



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

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[®] chloride test strips and a PetroFLAG[®] 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.

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 through 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 contaminants beneath the secondary lined containment do not exceed Site Closure Criteria. Remedial actions completed at the Site following the December 2024

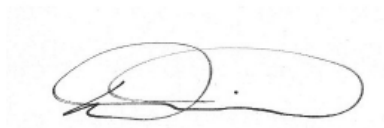
produced water release appear to have been protective of human health, the environment, and groundwater. Based on initial response efforts, and a reported depth to groundwater of greater than 55 feet bgs, Devon respectfully requests closure for Incident Number nAPP2433853476.

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 1	Soil Sample Analytical Results (Delineation Soil Samples)
Table 2	Soil Sample Analytical Results (Confirmation Soil Samples)
Table 3	Soil 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

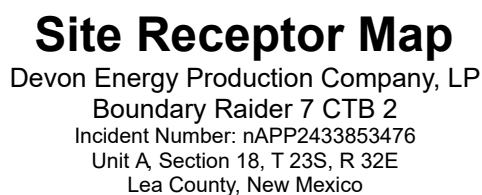
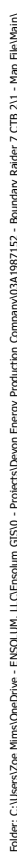
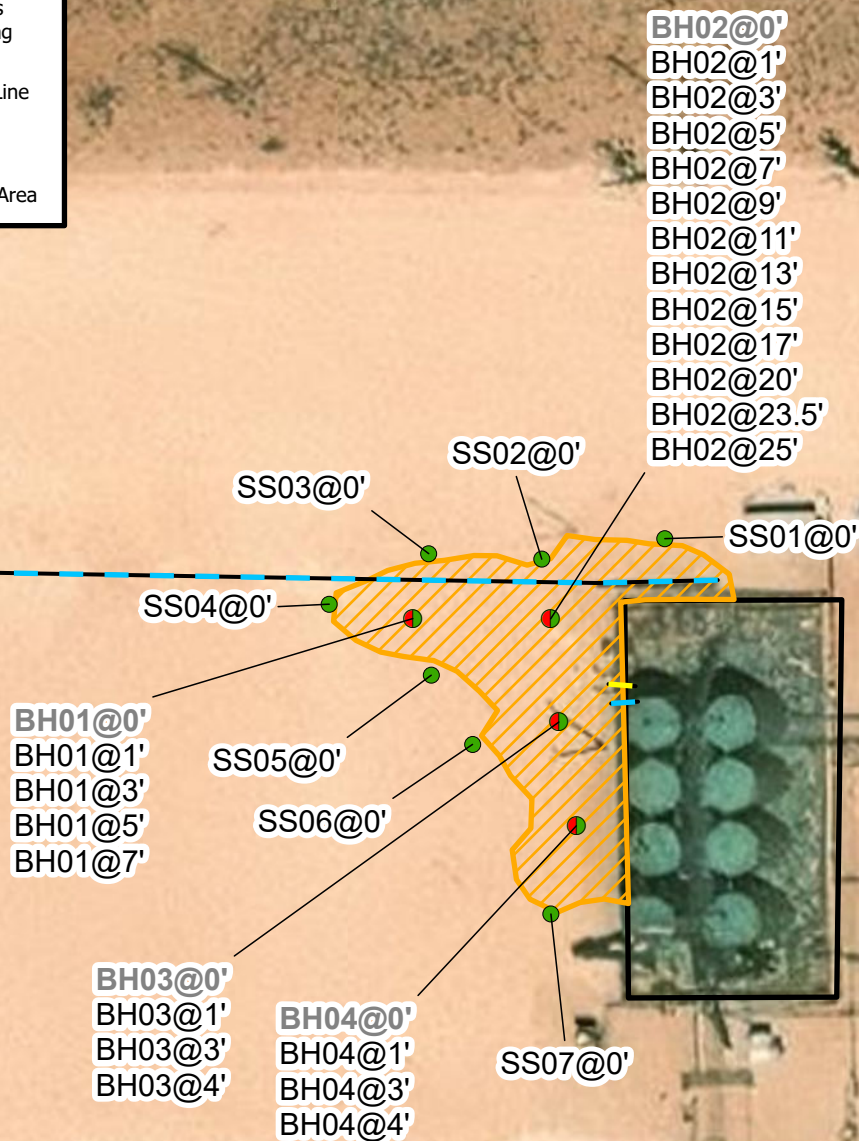


FIGURE
1

Legend

- Delineation Soil Sample in Compliance with Closure Criteria
- Delineation Soil Sample with Concentrations Previously Exceeding Closure Criteria
- Oil and Gas Utility Line
- Water Utility Line
- Release Extent
- Liner Containment Area



Notes:
 Sample ID @ Depth Below Ground Surface.
 Samples in bold indicate sample exceeded applicable Closure Criteria.
 Grey text indicate soil sample was removed during excavation activities.

0 12.5 25 50 75 100
 Feet

Sources: Environmental Systems Research Institute (ESRI)



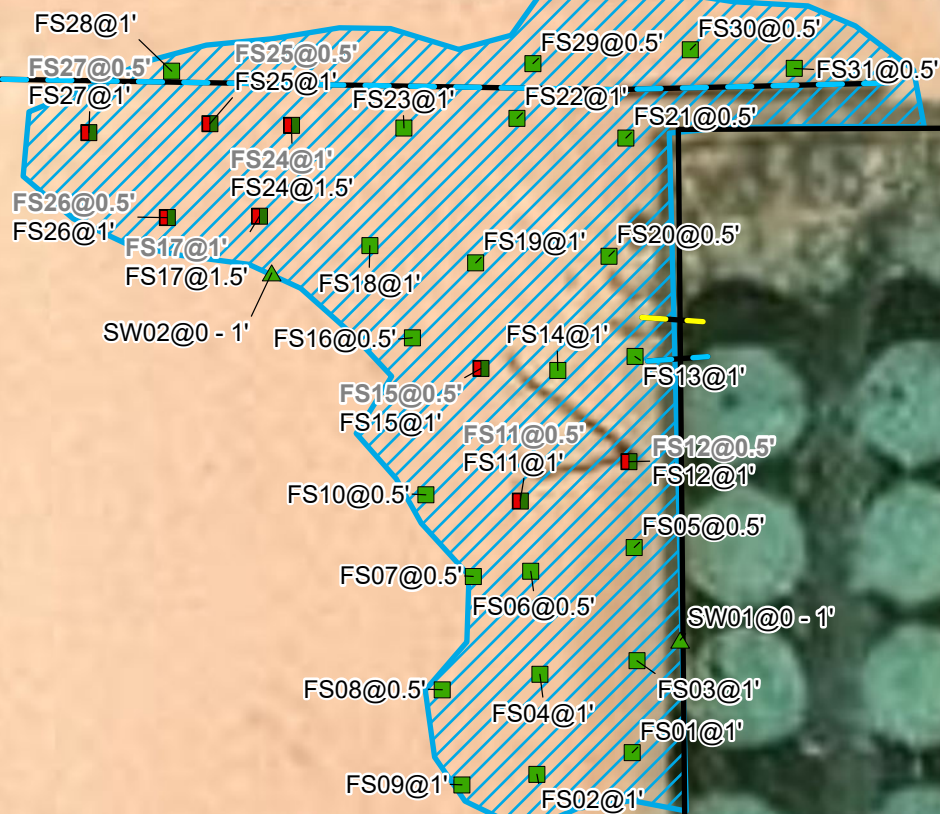
Delineation Soil Sample Locations

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

FIGURE
2

Legend

- Confirmation Floor Sample in Compliance with Closure Criteria
- ▲ Confirmation Sidewall Sample in Compliance with Closure Criteria
- Confirmation Floor Sample with Concentrations Previously Exceeding Closure Criteria
- Oil and Gas Utility Line
- Water Utility Line
- ▭ Liner Containment Area
- ▨ Excavation Extent



Notes:
 Sample ID @ Depth Below Ground Surface.
 Samples in bold indicate sample exceeded applicable closure criteria.
 Grey text indicate soil sample was removed during excavation activities.

0 5 10 20 30 40
 Feet

Sources: Environmental Systems Research Institute (ESRI)

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

FIGURE

3





TABLES



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
Delineation Soil Samples										
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	1/29/2025	23.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,450
BH02	1/29/2025	25	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<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	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
Delineation Soil Samples										
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

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
Excavation Floor Soil Samples										
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	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
Excavation Floor Soil 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	<0.0500	<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

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



TABLE 3 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
Sidewall Soil Samples										
SW01	3/14/2025	0-1	<0.0250	<0.0500	<20.0	39.8	<50.0	<25.0	<50.0	2,410
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

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TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes



APPENDIX A

Well Log and Record



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

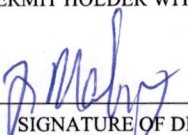
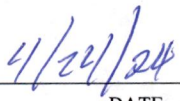
www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) C-04815 POD 1		WELL TAG ID NO.		OSE FILE NO(S). C-4815- POD1		
	WELL OWNER NAME(S) Devon Energy Resources				PHONE (OPTIONAL)		
	WELL OWNER MAILING ADDRESS 205 E. Bender Road #150				CITY Hobbs	STATE NM	ZIP 88240
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 18	SECONDS 51.8 N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND		
		LONGITUDE -103	41	59.4 W	* DATUM REQUIRED: WGS 84		
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE							
2. DRILLING & CASING INFORMATION	LICENSE NO. 1833		NAME OF LICENSED DRILLER Jason Maley			NAME OF WELL DRILLING COMPANY Vision Resources	
	DRILLING STARTED 4-16-24		DRILLING ENDED 4-16-24		DEPTH OF COMPLETED WELL (FT) 55'	BORE HOLE DEPTH (FT) 55'	DEPTH WATER FIRST ENCOUNTERED (FT) N/A
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN *add Centralizer info below <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT) 0'	DATE STATIC MEASURED 4-16-24
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:						
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:						CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>
	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM. (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)
	0 45		6"	PVC 2" SCH40	Thread	2"	SCH40
	45 55		6"	PVC 2" SCH40	Thread	2"	SCH40
3. ANNULAR MATERIAL	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL *(if using Centralizers for Artesian wells- indicate the spacing below)		AMOUNT (cubic feet)	METHOD OF PLACEMENT
				None pulled and plugged			

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 09/22/2022)

FILE NO. C-04815	POD NO. 1	TRN NO. 757440
LOCATION 235.32E.08.143	WELL TAG ID NO.	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)	
	FROM	TO					
	0	10	10'	Brown sand with caliche	Y ✓ N		
	10	30	20'	Tan fine sand with small rock	Y ✓ N		
	30	55	25'	Tan fine sand	Y ✓ N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
					Y N		
	METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER – SPECIFY: Dry hole				TOTAL ESTIMATED WELL YIELD (gpm): 0		
	5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.				
		MISCELLANEOUS INFORMATION: <div style="text-align: right;">USE OIT APR 25 2024 PM 2:37</div>					
PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Jason Maley							
6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:						
	<div style="display: flex; justify-content: space-between;"><div> SIGNATURE OF DRILLER / PRINT SIGNEE NAME</div><div>Jason Maley</div><div> DATE</div></div>						

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 09/22/2022)	
FILE NO. C-04815	POD NO. 1	TRN NO. 757440	
LOCATION 735 32 E 08. 143	WELL TAG ID NO		PAGE 2 OF 2

Mike A. Hamman, P.E.
State Engineer



Roswell Office
1900 WEST SECOND STREET
ROSWELL, NM 88201

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

Trn Nbr: 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,

A handwritten signature in black ink, appearing to read "Rodolfo Chavez".


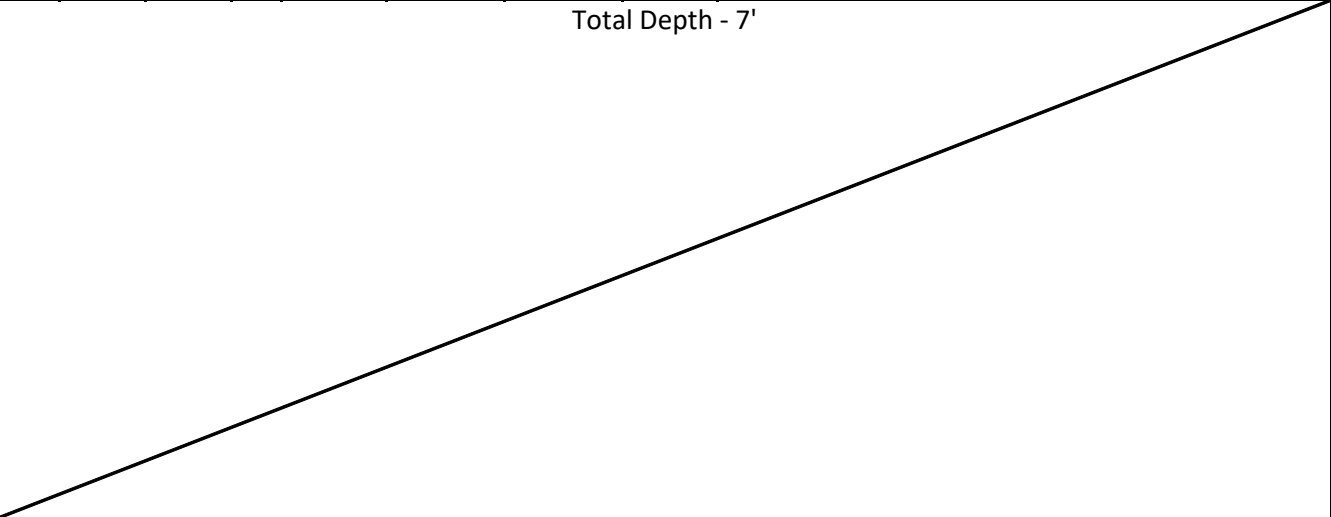
Rodolfo Chavez
(575) 622-6521


drywell





APPENDIX B


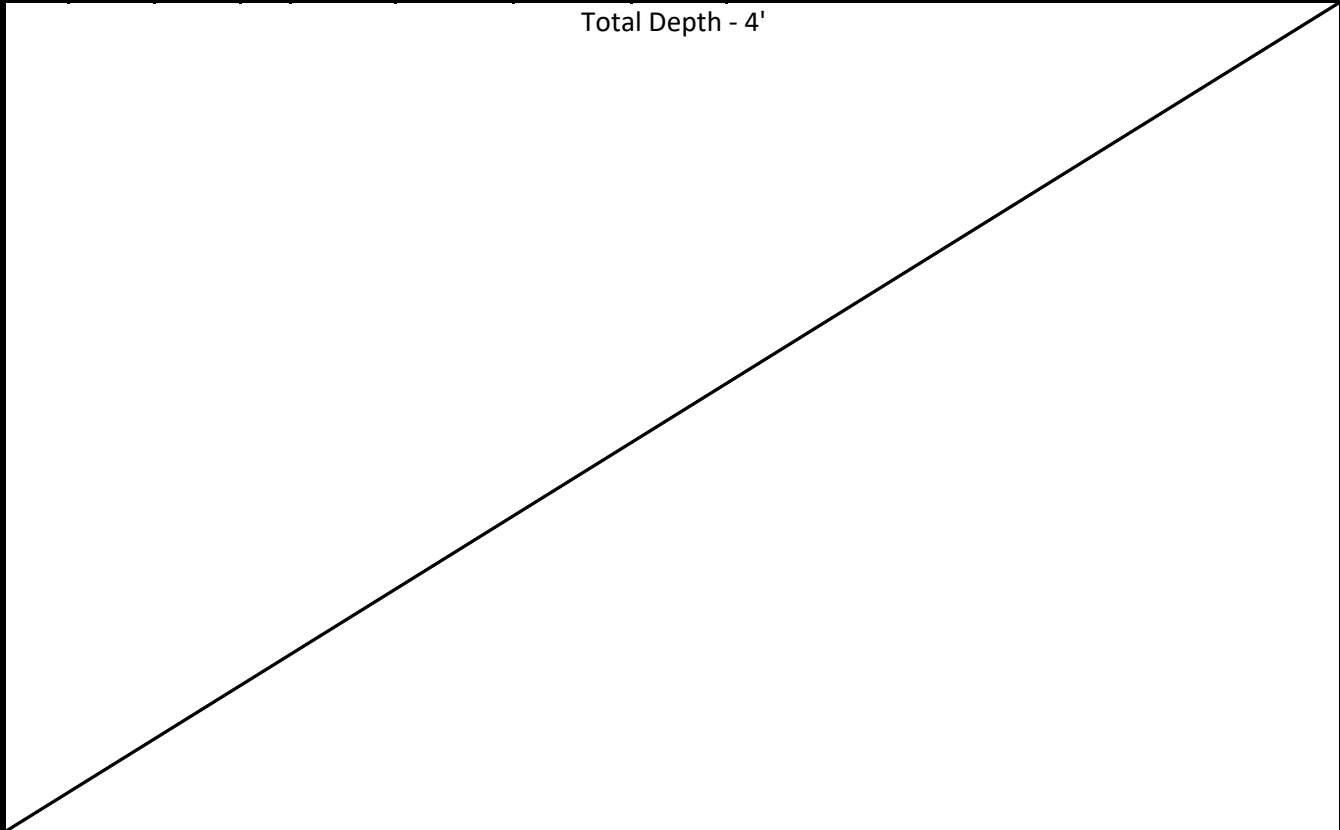
Lithologic Soil Sampling Logs

		Sample Name: BH01		Date: 12/19/24				
		Site Name: Boundary Raider 7 CTB 2						
		Incident Number: nAPP2433853476						
		Job Number: 03A1987152						
LITHOLOGIC / SOIL SAMPLING LOG								
Coordinates: 32.314353, -103.709500			Logged By: Bowan Simmons		Method: Hand Auger			
			Hole Diameter: 6"		Total Depth: 7'			
Comments: Field screening conducted with HACH Chloride Test Strips and PetroFlag for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.								
Moisture Content	Chloride (ppm)	TPH	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D	>3590		Y	BH01	0	0	CCHE	Dry, Stained, Caliche, Non Plastic, Non Pliable
M	>3590		N		1	1	SP	Moist, No Stain, Poorly graded brown sand, Non Plastic, Non Pliable.
	>3590				2	2		
	1590				3	3		
	3080				4	4		
	1590				5	5		
	ND	15			6	6		
	ND	15			7	7		
Total Depth - 7'								

		Sample Name: BH02		Date: 12/19/24				
		Site Name: Boundary Raider 7 CTB 2						
		Incident Number: nAPP2433853476						
		Job Number: 03A1987152						
LITHOLOGIC / SOIL SAMPLING LOG								
Coordinates: 32.314352, -103.709369			Logged By: Bowan Simmons		Method: Hand Auger			
			Hole Diameter: 6"		Total Depth: 17'			
Comments: Field screening conducted with HACH Chloride Test Strips and PetroFlag for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.								
Moisture Content	Chloride (ppm)	TPH	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D	>3590		Y	BH02	0	0	CCHE	Dry, Stained, Caliche, Non Plastic, Non Pliable
M	3080		N		1	1	SP	Moist, No Stain, Poorly graded brown sand, Non Plastic, Non Pliable.
	>3590				2	2		
	>3590				3	3		
	>3590				4	4		
	>3590				5	5		
	>3590				6	6		
	>3590				7	7		
	>3590				8	8		
	>3590				9	9		
	>3590				10	10		
	>3590				11	11		
	>3590				12	12		

								Sample Name: BH02		Date: 12/19/24	
								Site Name: Boundary Raider 7 CTB 2			
								Incident Number: nAPP2433853476			
								Job Number: 03A1987152			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: Bowan Simmons		Method: Hand Auger	
Coordinates: 32.314353, -103.709500								Hole Diameter: 6"		Total Depth: 27.5'	
Comments: Field screening conducted with HACH Chloride Test Strips and PetroFlag for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.											
Moisture Content	Chloride (ppm)	TPH	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
M	>3590		N	BH02	14	14	SP	Moist, No Stain, Poorly graded brown sand, Non Plastic, Non Pliable.			
M	>3590		N		15	15					
M	>3590		N		16	16					
M	>3590		N		17	17					
M			N		18	18					
M	5000		N		20	20	SW-SC	Sand w/ clay - Fine-grained, low plasticity, tan			
M	3600		N		22.5	22.5					
M	1400				23.5	23.5					
D	200		N		25	25					
						26		ML	Silt - Light brown, nonplastic, non-cohesive		
D	150		N	27.5	27.5						
Total Depth = 27.5'											

		Sample Name: BH03		Date: 12/19/24				
		Site Name: Boundary Raider 7 CTB 2						
		Incident Number: nAPP2433853476						
		Job Number: 03A1987152						
LITHOLOGIC / SOIL SAMPLING LOG								
Coordinates: 32.314268, -103.709363			Logged By: Bowan Simmons		Method: Hand Auger			
			Hole Diameter: 6"		Total Depth: 4'			
Comments: Field screening conducted with HACH Chloride Test Strips and PetroFlag for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.								
Moisture Content	Chloride (ppm)	TPH	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D	>3590		Y	BH03	0	0	CCHE	Dry, Stained, Caliche, Non Plastic, Non Pliable
M	1366		N		1	1	SP	Moist, No Stain, Poorly graded brown sand, Non Plastic, Non Pliable.
	ND	90			2	2		
	ND	96			3	3		
	ND	22			4	4		
						Total Depth - 4'		

 ENSOLUM		Sample Name: BH04		Date: 12/19/24				
		Site Name: Boundary Raider 7 CTB 2						
		Incident Number: nAPP2433853476						
		Job Number: 03A1987152						
LITHOLOGIC / SOIL SAMPLING LOG								
Coordinates: 32.314185, -103.709347			Logged By: Bowan Simmons		Method: Hand Auger			
			Hole Diameter: 6"		Total Depth: 4'			
Comments: Field screening conducted with HACH Chloride Test Strips and PetroFlag for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.								
Moisture Content	Chloride (ppm)	TPH	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D	>3590		Y	BH04	0	0	CCHE	Dry, Stained, Caliche, Non Plastic, Non Pliable
M	2862		N		1	1	SP	Moist, No Stain, Poorly graded brown sand, Non Plastic, Non Pliable.
	ND	0			2	2		
	ND	68			3	3		
	ND	14			4	4		
Total Depth - 4'								



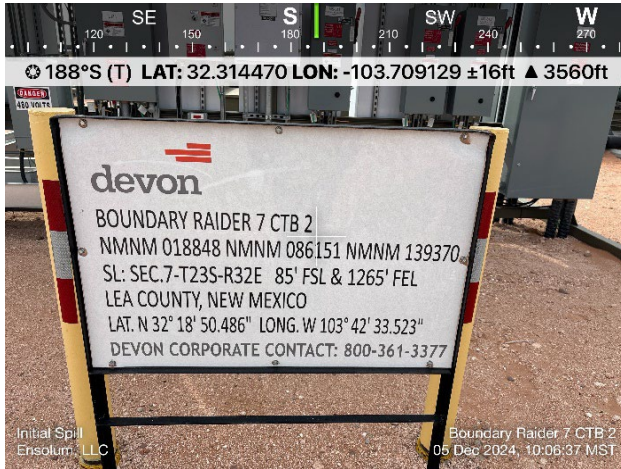
APPENDIX C

Photographic Log



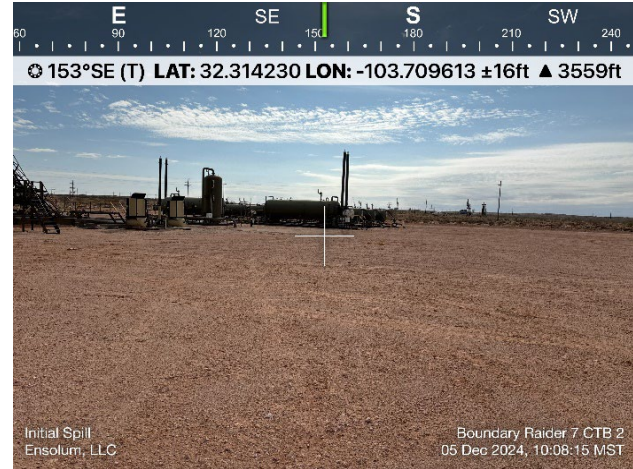
Photographic Log

Devon Energy Production Company, LP
Boundary Raider 7 CTB 2
nAPP2433853476



Photograph 1
Description: Signage
View: South

Date: 12/05/2024



Photograph 2
Description: Initial Spill
View: Southeast

Date: 12/05/2024



Photograph 3
Description: Initial Spill
View: Southeast

Date: 12/05/2024



Photograph 4
Description: Initial Spill
View: East

Date: 12/05/2024



Photographic Log

Devon Energy Production Company, LP
Boundary Raider 7 CTB 2
nAPP2433853476



Photograph 5

Date: 12/05/2024

Description: Point of Release

View: Southwest



Photograph 6

Date: 12/05/2024

Description: Initial Spill

View: Northeast

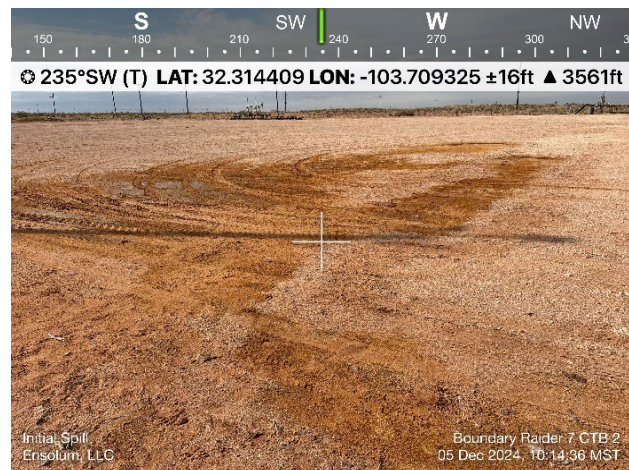


Photograph 7

Date: 12/05/2024

Description: Initial Spill

View: Southwest



Photograph 8

Date: 12/05/2024

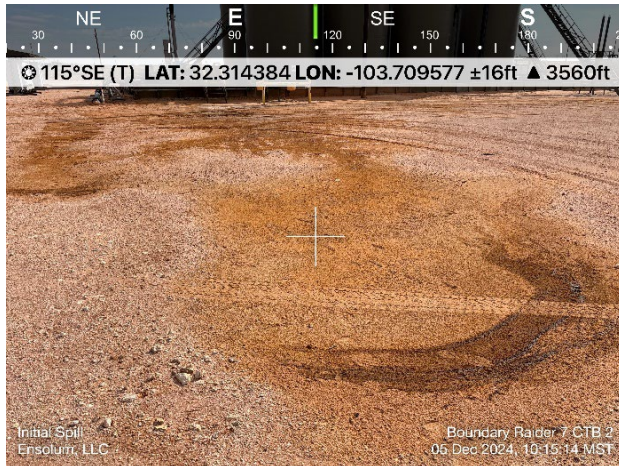
Description: Initial Spill

View: Southwest



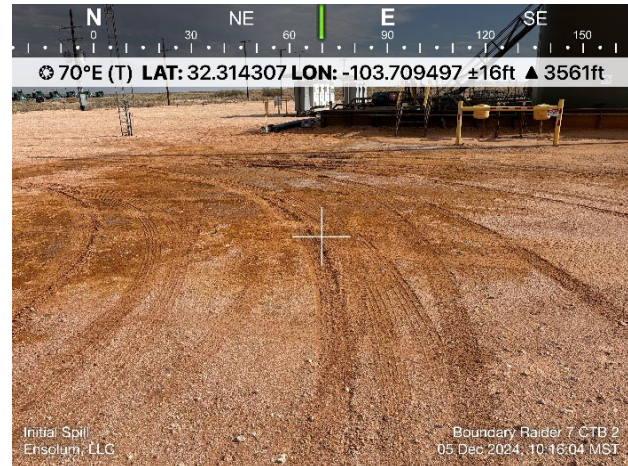
Photographic Log

Devon Energy Production Company, LP
Boundary Raider 7 CTB 2
nAPP2433853476



Photograph 9
Description: Initial Spill
View: Southeast

Date: 12/05/2024



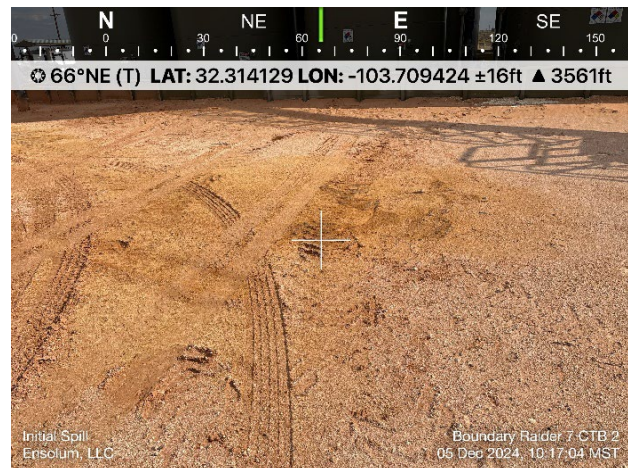
Photograph 10
Description: Initial Spill
View: East

Date: 12/05/2024



Photograph 11
Description: Initial Spill
View: Northeast

Date: 12/05/2024



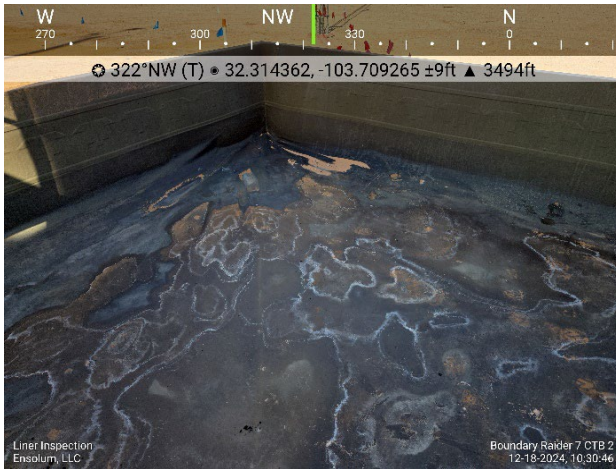
Photograph 12
Description: Initial Spill
View: Northeast

Date: 12/05/2024



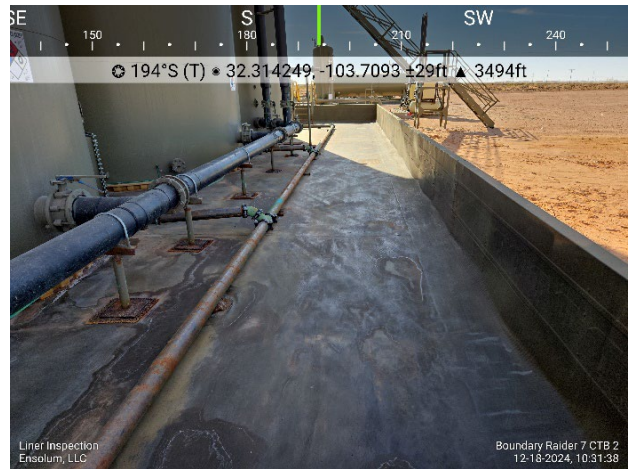
Photographic Log

Devon Energy Production Company, LP
Boundary Raider 7 CTB 2
nAPP2433853476



Photograph 13
Description: Liner Inspection
View: Northwest

Date: 12/18/2024



Photograph 14
Description: Liner Inspection
View: South

Date: 12/18/2024



Photograph 15
Description: Liner Inspection
View: Northeast

Date: 12/18/2024



Photograph 26
Description: Liner Inspection
View: East

Date: 12/18/2024



Photographic Log

Devon Energy Production Company, LP
Boundary Raider 7 CTB 2
nAPP2433853476



Photograph 17
Description: Liner Inspection
View: East

Date: 12/18/2024



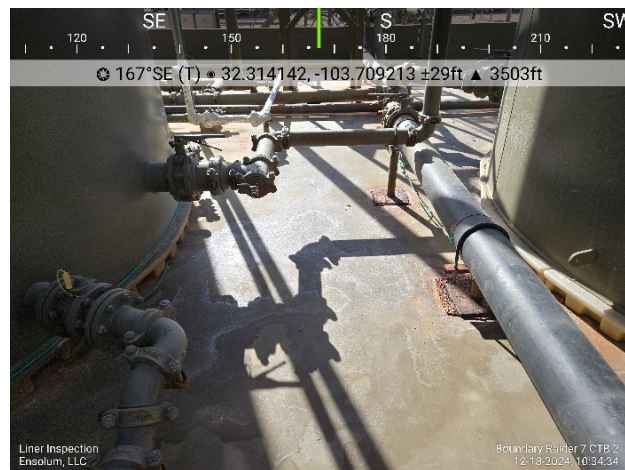
Photograph 18
Description: Liner Inspection
View: East

Date: 12/18/2024



Photograph 19
Description: Liner Inspection
View: North

Date: 12/18/2024



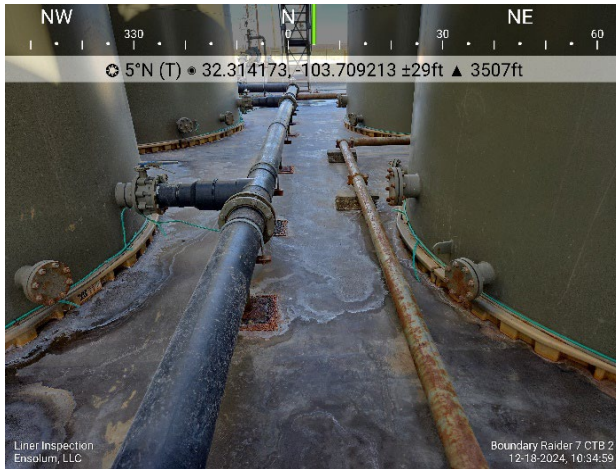
Photograph 20
Description: Liner Inspection
View: South

Date: 12/18/2024



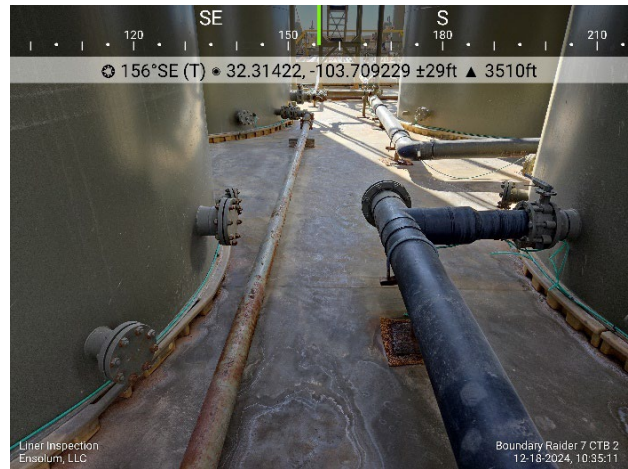
Photographic Log

Devon Energy Production Company, LP
Boundary Raider 7 CTB 2
nAPP2433853476



Photograph 21
Description: Liner Inspection
View: North

Date: 12/18/2024



Photograph 22
Description: Liner Inspection
View: Southeast

Date: 12/18/2024



Photograph 23
Description: Liner Inspection
View: West

Date: 12/18/2024



Photograph 24
Description: Liner Inspection
View: Southwest

Date: 12/18/2024



Photographic Log

Devon Energy Production Company, LP
Boundary Raider 7 CTB 2
nAPP2433853476



Photograph 25
Description: Liner Inspection
View: Southeast

Date: 12/18/2024



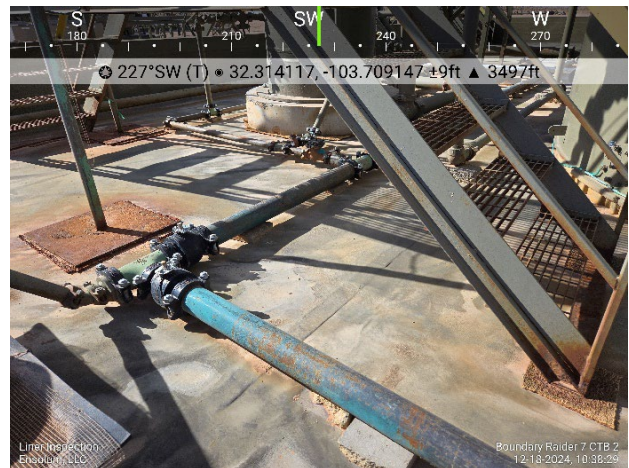
Photograph 26
Description: Liner Inspection
View: West

Date: 12/18/2024



Photograph 27
Description: Liner Inspection
View: South

Date: 12/18/2024



Photograph 28
Description: Liner Inspection
View: Southwest

Date: 12/18/2024



Photographic Log

Devon Energy Production Company, LP
Boundary Raider 7 CTB 2
nAPP2433853476



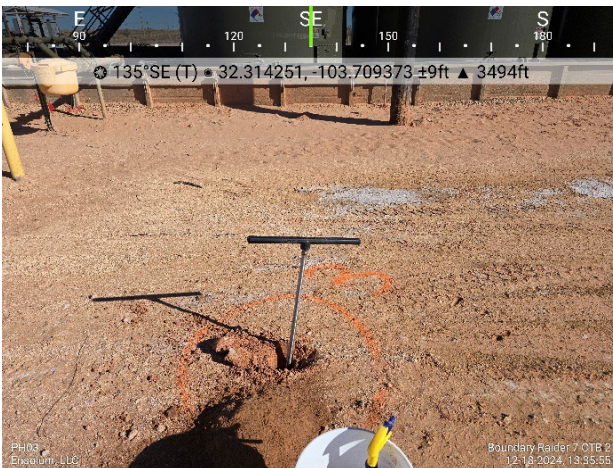
Photograph 29
Description: BH01
View: East

Date: 12/18/2024



Photograph 30
Description: BH02
View: East

Date: 12/18/2024



Photograph 31
Description: BH03
View: Southeast

Date: 12/18/2024



Photograph 32
Description: BH04
View: Southeast

Date: 12/18/2024



Photographic Log

Devon Energy Production Company, LP
Boundary Raider 7 CTB 2
nAPP2433853476



Photograph 33
Description: BH02
View: Southeast

Date: 12/19/2024



Photograph 34
Description: BH03
View: Northeast

Date: 12/19/2024



Photograph 35
Description: BH04
View: East

Date: 12/19/2024



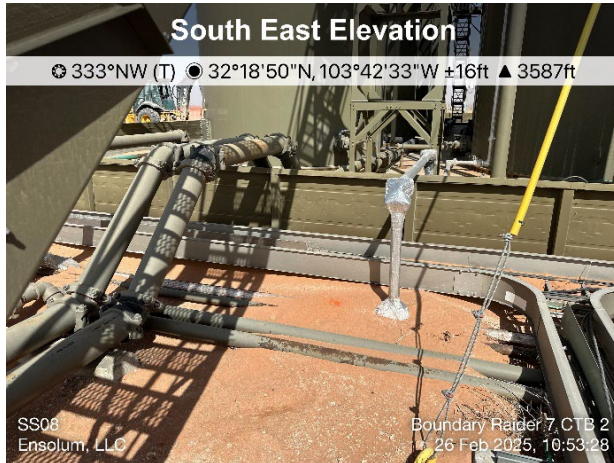
Photograph 36
Description: BH02
View: South

Date: 1/29/2025



Photographic Log

Devon Energy Production Company, LP
Boundary Raider 7 CTB 2
nAPP2433853476



Photograph 37
Description: SS08
View: Northwest

Date: 2/26/2025

Photograph 38
Description: SS09
View: West

Date: 2/26/2025



Photograph 39
Description: SS10
View: Southwest

Date: 2/26/2025

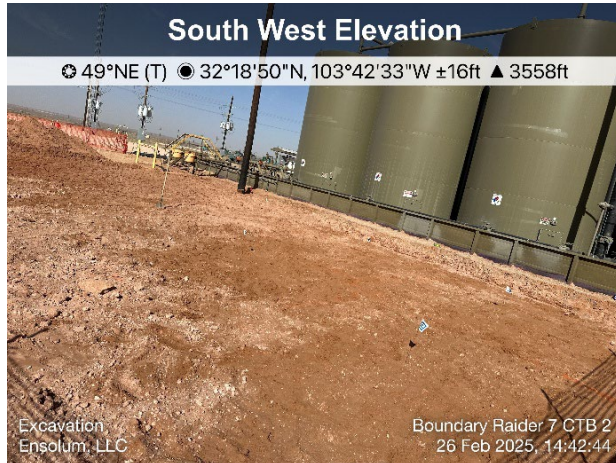
Photograph 40
Description: Excavation
View: East

Date: 2/26/2025



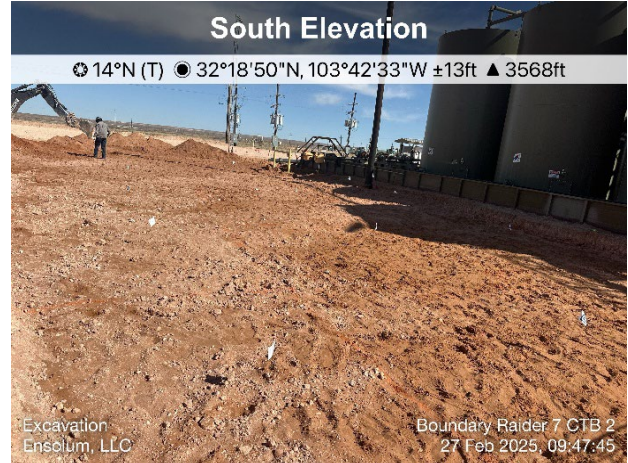
Photographic Log

Devon Energy Production Company, LP
Boundary Raider 7 CTB 2
nAPP2433853476



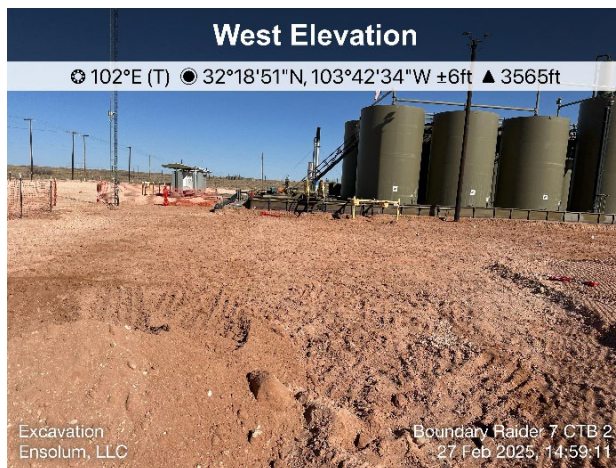
Photograph 41
Description: Excavation
View: Northeast

Date: 2/26/2025



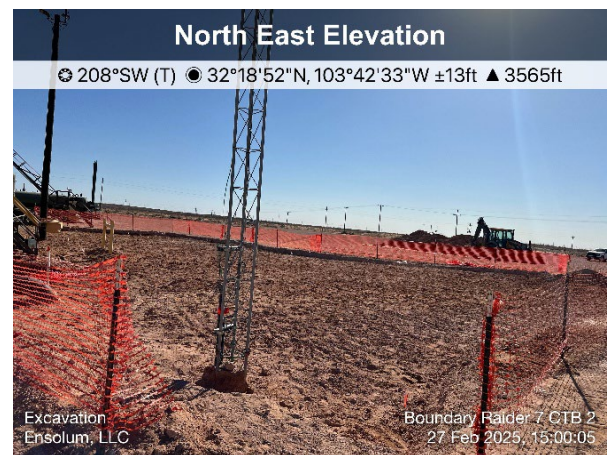
Photograph 42
Description: Excavation
View: North

Date: 2/27/2025



Photograph 43
Description: Excavation
View: East

Date: 2/27/2025



Photograph 44
Description: Excavation
View: Southwest

Date: 2/27/2025



Photographic Log

Devon Energy Production Company, LP
Boundary Raider 7 CTB 2
nAPP2433853476

North West Elevation

☉ 131°SE (T) ☉ 32°18'51"N, 103°42'34"W ±6ft ▲ 3572ft



Excavation
Ensolum, LLC

Boundary Raider 7 CTB 2
28 Feb 2025, 13:34:39

North West Elevation

☉ 115°SE (T) ☉ 32°18'51"N, 103°42'34"W ±6ft ▲ 3570ft



Excavation
Ensolum, LLC

Boundary Raider 7 CTB 2
28 Feb 2025, 13:35:10

Photograph 45

Date: 2/28/2025

Description: Excavation

View: Southeast

Photograph 46

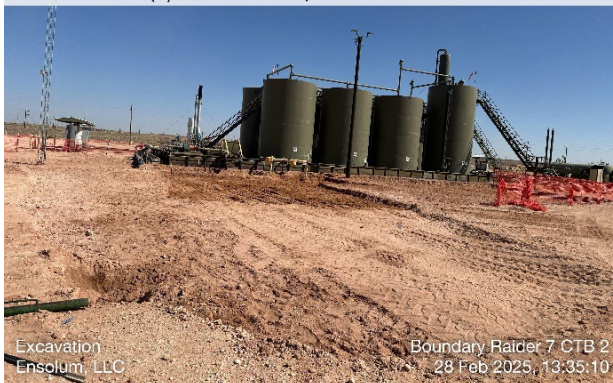
Date: 2/28/2025

Description: Excavation

View: Southeast

North West Elevation

☉ 115°SE (T) ☉ 32°18'51"N, 103°42'34"W ±6ft ▲ 3570ft



Excavation
Ensolum, LLC

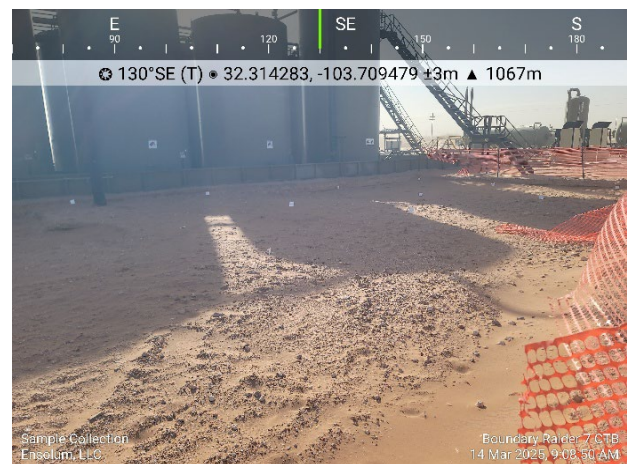
Boundary Raider 7 CTB 2
28 Feb 2025, 13:35:10

Photograph 47

Date: 2/28/2025

Description: Excavation

View: East



Sample Collection
Ensolum, LLC

Boundary Raider 7 CTB 2
14 Mar 2025, 9:08:50 AM

Photograph 48

Date: 3/14/2025

Description: Sample collection

View: Southeast



Photographic Log

Devon Energy Production Company, LP
Boundary Raider 7 CTB 2
nAPP2433853476



Photograph 49

Date: 3/14/2025

Description: Sample collection

View: Southeast



Photograph 50

Date: 3/14/2025

Description: Sample collection

View: East

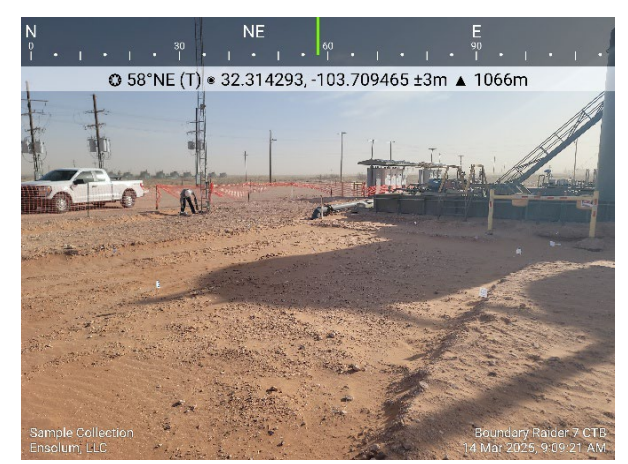


Photograph 51

Date: 3/14/2025

Description: Sample collection

View: North



Photograph 52

Date: 3/14/2025

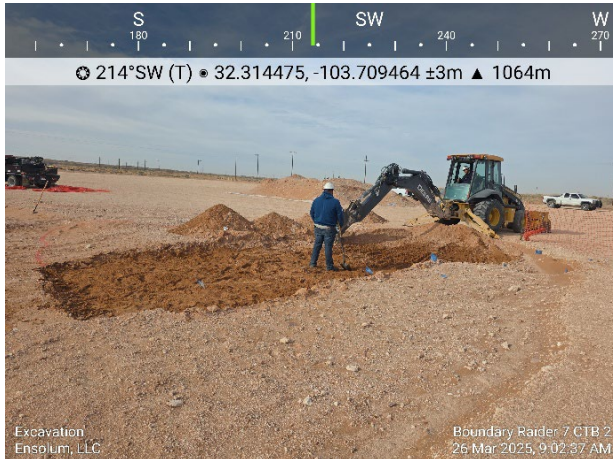
Description: Sample collection

View: Northeast



Photographic Log

Devon Energy Production Company, LP
Boundary Raider 7 CTB 2
nAPP2433853476



Photograph 53
Description: Excavation
View: Southwest

Date: 3/26/2025



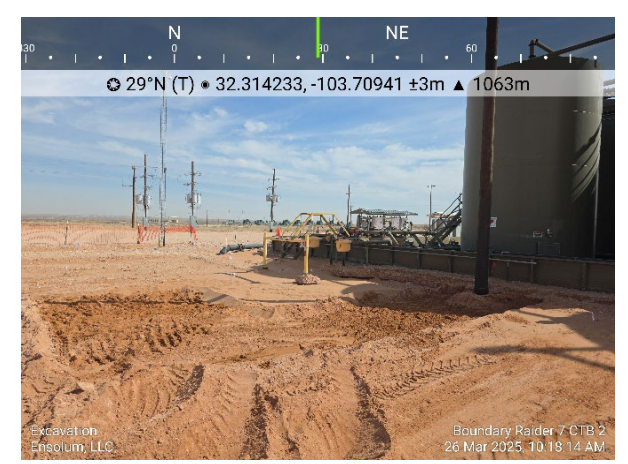
Photograph 54
Description: Excavation
View: South

Date: 3/26/2025



Photograph 55
Description: Excavation
View: East

Date: 3/26/2025



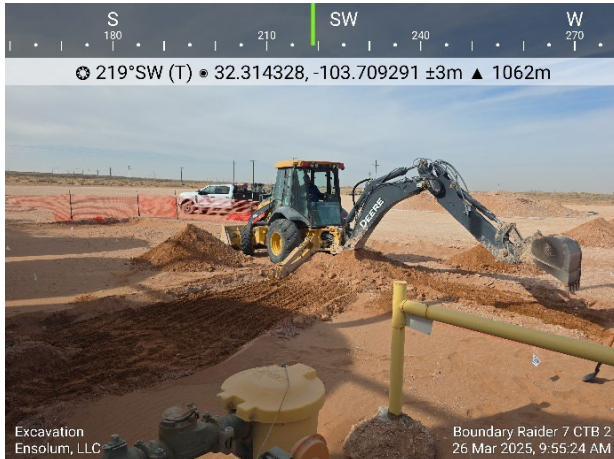
Photograph 56
Description: Excavation
View: Northeast

Date: 3/26/2025



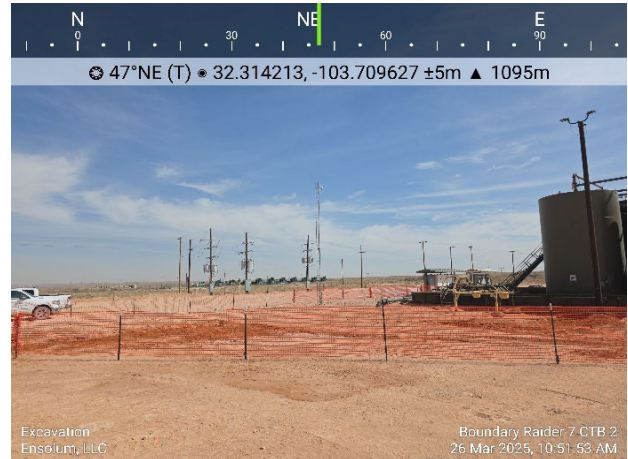
Photographic Log

Devon Energy Production Company, LP
Boundary Raider 7 CTB 2
nAPP2433853476



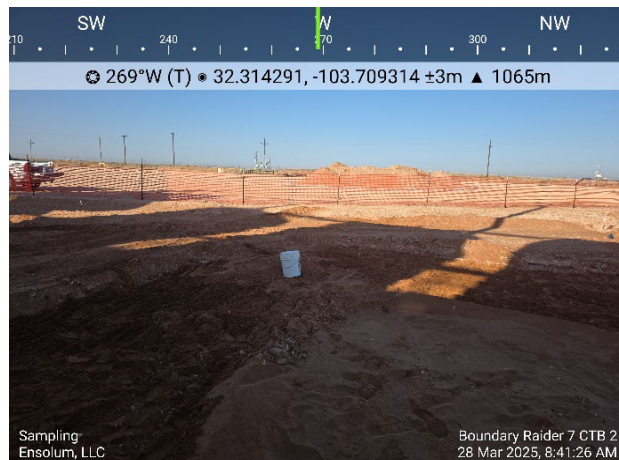
Photograph 57
Description: Excavation
View: Southwest

Date: 3/26/2025



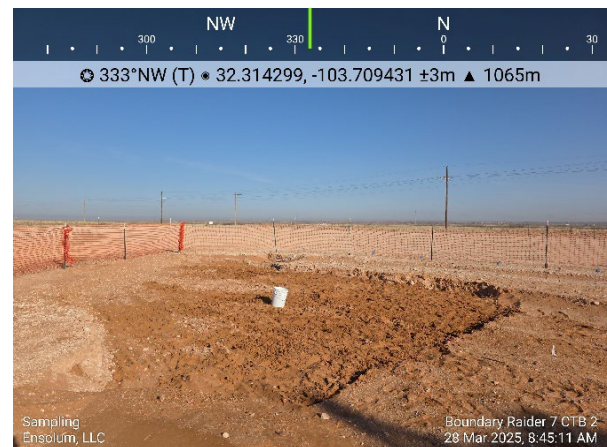
Photograph 58
Description: Excavation
View: Northeast

Date: 3/26/2025



Photograph 59
Description: Sampling
View: West

Date: 3/28/2025



Photograph 60
Description: Sampling
View: Northwest

Date: 3/28/2025



APPENDIX D

Laboratory Analytical Reports & Chain-of-Custody Documentation

Report to:
Ashley Giovengo



5796 U.S. Hwy 64
Farmington, NM 87401

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



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name: 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 regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

Walter Hinchman
Laboratory Director
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Cell: 775-287-1762
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Sample Summary

Devon Energy - Carlsbad	Project Name:	Boundary Raider 7 CTB 2	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	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.
SS04 @ 0'	E412049-04A	Soil	12/05/24	12/09/24	Glass Jar, 2 oz.
SS05 @ 0'	E412049-05A	Soil	12/05/24	12/09/24	Glass Jar, 2 oz.
SS06 @ 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.



Sample Data

Devon Energy - Carlsbad	Project Name:	Boundary Raider 7 CTB 2	Reported: 12/10/2024 11:37:54AM
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	

SS01 @ 0'

E412049-01

Analyte	Result	Reporting 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	Analyst: 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	Analyst: 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		116 %	50-200	12/09/24	12/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2450014	
Chloride	174	20.0	1	12/09/24	12/09/24	

Sample Data

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

Project Name: Boundary Raider 7 CTB 2
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
12/10/2024 11:37:54AM

SS02 @ 0'

E412049-02

Analyte	Result	Reporting 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		109 %	70-130	12/09/24	12/10/24	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: SL		Batch: 2450008
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/24	12/10/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		103 %	70-130	12/09/24	12/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: 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	
<i>Surrogate: n-Nonane</i>		112 %	50-200	12/09/24	12/09/24	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: DT		Batch: 2450014
Chloride	186	20.0	1	12/09/24	12/09/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 7 CTB 2 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 12/10/2024 11:37:54AM
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SS03 @ 0'

E412049-03

Analyte	Result	Reporting 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	109 %	70-130		12/09/24	12/10/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2450008	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/24	12/10/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	103 %	70-130		12/09/24	12/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: 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	
<i>Surrogate: n-Nonane</i>						
	108 %	50-200		12/09/24	12/09/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2450014	
Chloride	34.0	20.0	1	12/09/24	12/09/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 7 CTB 2 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 12/10/2024 11:37:54AM
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SS04 @ 0'

E412049-04

Analyte	Result	Reporting 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	109 %	70-130		12/09/24	12/10/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2450008	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/24	12/10/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	103 %	70-130		12/09/24	12/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: 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	
<i>Surrogate: n-Nonane</i>						
	113 %	50-200		12/09/24	12/09/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2450014	
Chloride	28.5	20.0	1	12/09/24	12/09/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 7 CTB 2 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 12/10/2024 11:37:54AM
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SS05 @ 0'
E412049-05

Analyte	Result	Reporting 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	109 %	70-130		12/09/24	12/10/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2450008	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/24	12/10/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	104 %	70-130		12/09/24	12/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: 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	
<i>Surrogate: n-Nonane</i>						
	109 %	50-200		12/09/24	12/09/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2450014	
Chloride	118	20.0	1	12/09/24	12/09/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 7 CTB 2 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 12/10/2024 11:37:54AM
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SS06 @ 0'

E412049-06

Analyte	Result	Reporting 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	108 %	70-130		12/09/24	12/10/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2450008	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/24	12/10/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	104 %	70-130		12/09/24	12/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: 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	
<i>Surrogate: n-Nonane</i>						
	109 %	50-200		12/09/24	12/09/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2450014	
Chloride	57.8	20.0	1	12/09/24	12/09/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 7 CTB 2 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 12/10/2024 11:37:54AM
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SS07 @ 0'
E412049-07

Analyte	Result	Reporting 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	Analyst: 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	Analyst: 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	111 %	50-200		12/09/24	12/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2450014	
Chloride	ND	20.0	1	12/09/24	12/09/24	

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Boundary Raider 7 CTB 2	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/10/2024 11:37:54AM

Volatile Organics by EPA 8021B

Analyst: SL

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

Blank (2450008-BLK1)

Prepared: 12/09/24 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: 12/09/24 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: 12/09/24 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		111	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Boundary Raider 7 CTB 2	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/10/2024 11:37:54AM

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
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Blank (2450008-BLK1) Prepared: 12/09/24 Analyzed: 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: 12/09/24 Analyzed: 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: 12/09/24 Analyzed: 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

Devon Energy - Carlsbad	Project Name:	Boundary Raider 7 CTB 2	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/10/2024 11:37:54AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2450003-BLK1)					Prepared: 12/09/24 Analyzed: 12/09/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	55.0		50.0		110	50-200			

LCS (2450003-BS1)					Prepared: 12/09/24 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: E412049-06		Prepared: 12/09/24 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: E412049-06		Prepared: 12/09/24 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

Devon Energy - Carlsbad	Project Name:	Boundary Raider 7 CTB 2	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/10/2024 11:37:54AM

Anions by EPA 300.0/9056A

Analyst: DT

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

Blank (2450014-BLK1)					Prepared: 12/09/24 Analyzed: 12/09/24				
Chloride	ND	20.0							
LCS (2450014-BS1)					Prepared: 12/09/24 Analyzed: 12/09/24				
Chloride	257	20.0	250		103	90-110			
LCS Dup (2450014-BSD1)					Prepared: 12/09/24 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.



Definitions and Notes

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.

Client Information				Invoice Information				Lab Use Only				TAT				State					
Client: Devon Project: Boundary Raider 7 CTB 2 Project Manager: Ashley Giovengo Address: 3122 National Parks Hwy City, State, Zip: Carlsbad NM, 88220 Phone: 575-988-0055 Email: agiovengo@ensolum.com				Company: Devon Energy Address: 5315 Buena Vista Dr City, State, Zip: Carlsbad NM, 88220 Phone: (575)689-7597 Email: jim.raley@dnv.com Miscellaneous: Jim Raley				Lab WO# E412049		Job Number 0058.0001		1D	2D	3D	Std	NM	CO	UT	TX		
Sample Information												Analysis and Method				EPA Program					
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA	Compliance	Y	or	N
																		PWSID #			
1236	12/5/2024	S	1	SS01 @ 0'		1						X									
1131	12/5/2024	S	1	SS02 @ 0'		2						X									
1134	12/5/2024	S	1	SS03 @ 0'		3						X									
1138	12/5/2024	S	1	SS04 @ 0'		4						X									
1204	12/5/2024	S	1	SS05 @ 0'		5						X									
1211	12/5/2024	S	1	SS06 @ 0'		6						X									
1215	12/5/2024	S	1	SS07 @ 0'		7						X									
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@dnv.com, iestrella@ensolum.com, chamilton@ensolum.com, bsimmons@ensolum.com, jgonzalez@ensolum.com I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Higinio Gonzalez, Jenna Hinkle																					
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>													
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time														
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time														
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time														
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other												Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA									
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																					



Envirotech Analytical Laboratory

Printed: 12/9/2024 9:33:46AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Devon Energy - Carlsbad	Date Received:	12/09/24 08:00	Work Order ID:	E412049
Phone:	(505) 382-1211	Date Logged In:	12/06/24 16:48	Logged In By:	Noe Soto
Email:	agiovento@ensolum.com	Due Date:	12/13/24 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Yes

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

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

Sample Container

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

Field Label

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

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

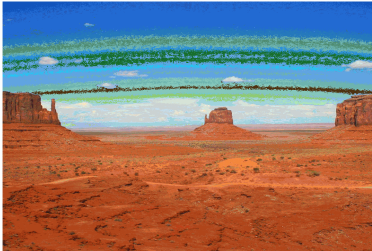
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name: 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

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 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,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/20/2024 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 regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

Walter Hinchman
Laboratory Director
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Cell: 775-287-1762
whinchman@envirotech-inc.com

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Sample Summary

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 7 CTB 2 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 12/30/24 14:46
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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.
BH01 - 1'	E412164-02A	Soil	12/18/24	12/20/24	Glass Jar, 2 oz.
BH01 - 3'	E412164-03A	Soil	12/18/24	12/20/24	Glass Jar, 2 oz.
BH01 - 5'	E412164-04A	Soil	12/18/24	12/20/24	Glass Jar, 2 oz.
BH02 - 0'	E412164-05A	Soil	12/18/24	12/20/24	Glass Jar, 2 oz.
BH02 - 1'	E412164-06A	Soil	12/18/24	12/20/24	Glass Jar, 2 oz.
BH02 - 3'	E412164-07A	Soil	12/18/24	12/20/24	Glass Jar, 2 oz.
BH02 - 5'	E412164-08A	Soil	12/18/24	12/20/24	Glass Jar, 2 oz.
BH03 - 0'	E412164-09A	Soil	12/18/24	12/20/24	Glass Jar, 2 oz.
BH03 - 1'	E412164-10A	Soil	12/18/24	12/20/24	Glass Jar, 2 oz.
BH03 - 3'	E412164-11A	Soil	12/18/24	12/20/24	Glass Jar, 2 oz.
BH04 - 0'	E412164-12A	Soil	12/18/24	12/20/24	Glass Jar, 2 oz.
BH04 - 1'	E412164-13A	Soil	12/18/24	12/20/24	Glass Jar, 2 oz.
BH04 - 3'	E412164-14A	Soil	12/18/24	12/20/24	Glass Jar, 2 oz.



Sample Data

Devon Energy - Carlsbad	Project Name:	Boundary Raider 7 CTB 2	Reported: 12/30/2024 2:46:40PM
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	

BH01 - 0'

E412164-01

Analyte	Result	Reporting 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	
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	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	94.3 %	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	87.1 %	50-200		12/20/24	12/20/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2451087	
Chloride	26300	400	20	12/20/24	12/20/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 7 CTB 2 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 12/30/2024 2:46:40PM
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BH01 - 1'

E412164-02

Analyte	Result	Reporting 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	
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	86.5 %	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	95.4 %	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	104 %	50-200		12/20/24	12/20/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2451087	
Chloride	3420	40.0	2	12/20/24	12/20/24	



Sample Data

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

Project Name: Boundary Raider 7 CTB 2
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
12/30/2024 2:46:40PM

BH01 - 3'

E412164-03

Analyte	Result	Reporting 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	
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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	86.0 %	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.3 %	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	
<i>Surrogate: n-Nonane</i>						
	99.4 %	50-200		12/20/24	12/20/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2451087
Chloride	1200	20.0	1	12/20/24	12/20/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 7 CTB 2 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 12/30/2024 2:46:40PM
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BH01 - 5'

E412164-04

Analyte	Result	Reporting 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	
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	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	94.8 %	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	Analyst: JM		Batch: 2451087	
Chloride	1170	20.0	1	12/20/24	12/20/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 7 CTB 2 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 12/30/2024 2:46:40PM
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BH02 - 0'

E412164-05

Analyte	Result	Reporting 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	
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	85.3 %	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	
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	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	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

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 7 CTB 2 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 12/30/2024 2:46:40PM
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BH02 - 1'

E412164-06

Analyte	Result	Reporting 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	
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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.9 %	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	
<i>Surrogate: n-Nonane</i>						
	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

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 7 CTB 2 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 12/30/2024 2:46:40PM
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BH02 - 3'

E412164-07

Analyte	Result	Reporting 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	
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	85.0 %	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	
Surrogate: 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	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	99.6 %	50-200		12/20/24	12/20/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2451087	
Chloride	3280	40.0	2	12/20/24	12/20/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 7 CTB 2 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 12/30/2024 2:46:40PM
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BH02 - 5'

E412164-08

Analyte	Result	Reporting 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	
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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.4 %	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	
<i>Surrogate: n-Nonane</i>						
	99.4 %	50-200		12/20/24	12/20/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: JM		Batch: 2451087	
Chloride	3280	40.0	2	12/20/24	12/20/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 7 CTB 2 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 12/30/2024 2:46:40PM
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BH03 - 0'

E412164-09

Analyte	Result	Reporting 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	
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	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	mg/kg	mg/kg	Analyst: NV		Batch: 2451093	
Diesel Range Organics (C10-C28)	65.3	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	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

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 7 CTB 2 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 12/30/2024 2:46:40PM
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BH03 - 1'

E412164-10

Analyte	Result	Reporting 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	
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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	84.2 %	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	
<i>Surrogate: 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: 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	
<i>Surrogate: n-Nonane</i>						
	97.9 %	50-200		12/20/24	12/20/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: JM		Batch: 2451087	
Chloride	1100	40.0	2	12/20/24	12/20/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 7 CTB 2 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 12/30/2024 2:46:40PM
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BH03 - 3'

E412164-11

Analyte	Result	Reporting 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	
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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	83.2 %	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.5 %	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	
<i>Surrogate: n-Nonane</i>						
	96.0 %	50-200		12/20/24	12/20/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: JM		Batch: 2451087	
Chloride	54.3	20.0	1	12/20/24	12/20/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 7 CTB 2 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 12/30/2024 2:46:40PM
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BH04 - 0'

E412164-12

Analyte	Result	Reporting 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	
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	83.6 %	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	96.2 %	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	82.7 %	50-200		12/20/24	12/20/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2451087	
Chloride	19200	200	10	12/20/24	12/20/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 7 CTB 2 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 12/30/2024 2:46:40PM
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BH04 - 1'

E412164-13

Analyte	Result	Reporting 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	
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	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	
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	12/21/24	
Oil 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	Analyst: JM		Batch: 2451087	
Chloride	2050	40.0	2	12/20/24	12/20/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 7 CTB 2 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 12/30/2024 2:46:40PM
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BH04 - 3'

E412164-14

Analyte	Result	Reporting 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	
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	82.7 %	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	96.7 %	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	12/21/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/20/24	12/21/24	
Surrogate: n-Nonane	99.1 %	50-200		12/20/24	12/21/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2451087	
Chloride	265	20.0	1	12/20/24	12/20/24	



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Boundary Raider 7 CTB 2	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/30/2024 2:46:40PM

Volatile Organics by EPA 8021B

Analyst: SL

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

Blank (2451086-BLK1) Prepared: 12/20/24 Analyzed: 12/20/24

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.07		8.00		88.4	70-130			

LCS (2451086-BS1) Prepared: 12/20/24 Analyzed: 12/20/24

Benzene	4.70	0.0250	5.00		94.0	70-130			
Ethylbenzene	4.68	0.0250	5.00		93.7	70-130			
Toluene	4.76	0.0250	5.00		95.2	70-130			
o-Xylene	4.72	0.0250	5.00		94.3	70-130			
p,m-Xylene	9.52	0.0500	10.0		95.2	70-130			
Total Xylenes	14.2	0.0250	15.0		94.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.01		8.00		87.7	70-130			

LCS Dup (2451086-BSD1) Prepared: 12/20/24 Analyzed: 12/21/24

Benzene	4.71	0.0250	5.00		94.2	70-130	0.194	20	
Ethylbenzene	4.73	0.0250	5.00		94.6	70-130	0.987	20	
Toluene	4.78	0.0250	5.00		95.6	70-130	0.448	20	
o-Xylene	4.73	0.0250	5.00		94.6	70-130	0.331	20	
p,m-Xylene	9.60	0.0500	10.0		96.0	70-130	0.808	20	
Total Xylenes	14.3	0.0250	15.0		95.5	70-130	0.650	20	
Surrogate: 4-Bromochlorobenzene-PID	6.97		8.00		87.2	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Boundary Raider 7 CTB 2	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/30/2024 2:46:40PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

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

Blank (2451086-BLK1) Prepared: 12/20/24 Analyzed: 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: 12/20/24 Analyzed: 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: 12/20/24 Analyzed: 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

Devon Energy - Carlsbad	Project Name:	Boundary Raider 7 CTB 2	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/30/2024 2:46:40PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2451093-BLK1)					Prepared: 12/20/24 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: 12/20/24 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: E412164-08		Prepared: 12/20/24 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: E412164-08		Prepared: 12/20/24 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

Devon Energy - Carlsbad	Project Name:	Boundary Raider 7 CTB 2	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/30/2024 2:46:40PM

Anions by EPA 300.0/9056A

Analyst: JM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2451087-BLK1)					Prepared: 12/20/24 Analyzed: 12/20/24				
Chloride	ND	20.0							
LCS (2451087-BS1)					Prepared: 12/20/24 Analyzed: 12/20/24				
Chloride	249	20.0	250		99.6	90-110			
LCS Dup (2451087-BSD1)					Prepared: 12/20/24 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.



Definitions and Notes

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.

W0# 21457702

Chain of Custody

Page 1 of 2

Client Information				Invoice Information		Lab Use Only		TAT				State						
Client: Devon				Company: Devon		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX			
Project: Boundary Raider 7 CTB 2				Address: 5315 Buena Vista Dr		E412164	61058-0007				X	X						
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220														
Address: 3122 National Parks Hwy				Phone: (575)689-7597														
City, State, Zip: Carlsbad NM, 88220				Email: jim.raley@dnv.com														
Phone: 575-988-0055				Miscellaneous: Jim Raley														
Email: agiovengo@ensolum.com																		
Sample Information						Analysis and Method						EPA Program						
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA	
11:43	12/18/2024	S	1	BH01 - 0'		1						X						
11:49	12/18/2024	S	1	BH01 - 1'		2						X						
11:56	12/18/2024	S	1	BH01 - 3'		3						X						
12:24	12/18/2024	S	1	BH01 - 5'		4						X						
12:36	12/18/2024	S	1	BH02 - 0'		5						X						
12:43	12/18/2024	S	1	BH02 - 1'		6						X						
12:47	12/18/2024	S	1	BH02 - 3'		7						X						
13:10	12/18/2024	S	1	BH02 - 5'		8						X						
13:26	12/18/2024	S	1	BH03 - 0'		9						X						
13:30	12/18/2024	S	1	BH03 - 1'		10						X						
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@dnv.com, iestrella@ensolum.com, bdeal@ensolum.com, chamilton@ensolum.com, bsimmons@ensolum.com I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Bowan Simmons																		
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. Lab Use Only Received on ice: (Y) / N T1 _____ T2 _____ T3 _____ AVG Temp °C 4										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time											
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____												Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA _____						
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																		



[illegible]

Envirotech Analytical Laboratory

Printed: 12/20/2024 9:40:51AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Devon Energy - Carlsbad	Date Received:	12/20/24 08:00	Work Order ID:	E412164
Phone:	(505) 382-1211	Date Logged In:	12/19/24 16:21	Logged In By:	Noe Soto
Email:	agiovento@ensolum.com	Due Date:	12/31/24 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

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

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

Sample Container

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

Field Label

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

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

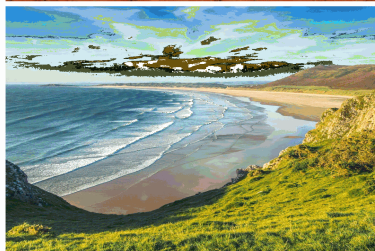
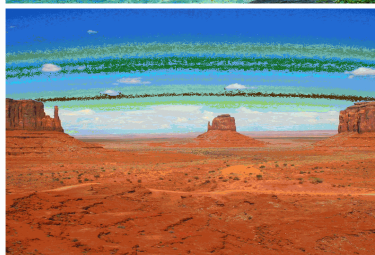
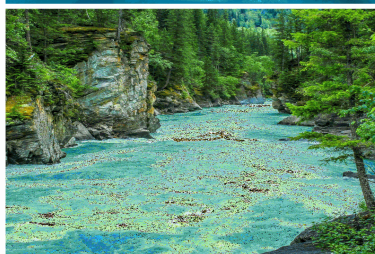
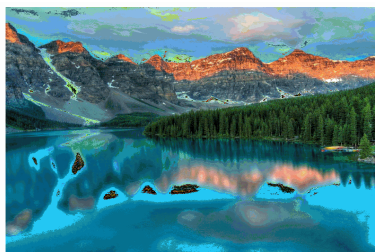
Date



envirotech Inc.

Report to:

Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name: 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

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 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 regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
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Sample Summary

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



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 7 CTB 2 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 1/2/2025 2:44:18PM
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BH03 - 4'

E412179-01

Analyte	Result	Reporting 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	12/23/24	
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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		91.1 %	70-130	12/23/24	12/23/24	
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	12/23/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.4 %	70-130	12/23/24	12/23/24	
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	12/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/23/24	12/31/24	
<i>Surrogate: n-Nonane</i>		105 %	50-200	12/23/24	12/31/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2452015	
Chloride	85.7	20.0	1	12/23/24	12/23/24	



Sample Data

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

Project Name: Boundary Raider 7 CTB 2
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
1/2/2025 2:44:18PM

BH04 - 4'

E412179-02

Analyte	Result	Reporting 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	12/23/24	
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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.0 %	70-130		12/23/24	12/23/24	
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	12/23/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.6 %	70-130		12/23/24	12/23/24	
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	12/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/23/24	12/31/24	
<i>Surrogate: n-Nonane</i>						
	102 %	50-200		12/23/24	12/31/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2452015	
Chloride	44.1	20.0	1	12/23/24	12/23/24	



Sample Data

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

Project Name: Boundary Raider 7 CTB 2
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
1/2/2025 2:44:18PM

BH01 - 7'

E412179-03

Analyte	Result	Reporting 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	12/23/24	
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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.4 %	70-130		12/23/24	12/23/24	
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	12/23/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.3 %	70-130		12/23/24	12/23/24	
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	12/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/23/24	12/31/24	
<i>Surrogate: n-Nonane</i>						
	100 %	50-200		12/23/24	12/31/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2452015	
Chloride	36.0	20.0	1	12/23/24	12/23/24	



Sample Data

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

Project Name: Boundary Raider 7 CTB 2
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
1/2/2025 2:44:18PM

BH02 - 7'

E412179-04

Analyte	Result	Reporting 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	12/23/24	
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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.0 %	70-130		12/23/24	12/23/24	
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	12/23/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.0 %	70-130		12/23/24	12/23/24	
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	12/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/23/24	12/31/24	
<i>Surrogate: n-Nonane</i>						
	106 %	50-200		12/23/24	12/31/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2452015	
Chloride	3160	40.0	2	12/23/24	12/23/24	



Sample Data

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

Project Name: Boundary Raider 7 CTB 2
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
1/2/2025 2:44:18PM

BH02 - 9'

E412179-05

Analyte	Result	Reporting 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	12/23/24	
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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.6 %	70-130		12/23/24	12/23/24	
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	12/23/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.5 %	70-130		12/23/24	12/23/24	
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	12/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/23/24	12/31/24	
<i>Surrogate: n-Nonane</i>						
	95.0 %	50-200		12/23/24	12/31/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2452015	
Chloride	5010	40.0	2	12/23/24	12/23/24	



Sample Data

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

Project Name: Boundary Raider 7 CTB 2
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
1/2/2025 2:44:18PM

BH02 - 11'

E412179-06

Analyte	Result	Reporting 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	12/23/24	
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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.7 %	70-130		12/23/24	12/23/24	
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	12/23/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.8 %	70-130		12/23/24	12/23/24	
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	12/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/23/24	12/31/24	
<i>Surrogate: n-Nonane</i>						
	113 %	50-200		12/23/24	12/31/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2452015	
Chloride	4920	40.0	2	12/23/24	12/23/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 7 CTB 2 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 1/2/2025 2:44:18PM
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BH02 - 13'
E412179-07

Analyte	Result	Reporting 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	12/23/24	
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	90.2 %	70-130		12/23/24	12/23/24	
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	12/23/24	
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	Analyst: 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	101 %	50-200		12/23/24	12/31/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2452015	
Chloride	3440	40.0	2	12/23/24	12/23/24	



Sample Data

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

Project Name: Boundary Raider 7 CTB 2
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
1/2/2025 2:44:18PM

BH02 - 15'

E412179-08

Analyte	Result	Reporting 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	
o-Xylene	ND	0.0250	1	12/23/24	12/24/24	
p,m-Xylene	ND	0.0500	1	12/23/24	12/24/24	
Total Xylenes	ND	0.0250	1	12/23/24	12/24/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	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	
Oil Range Organics (C28-C36)	ND	50.0	1	12/23/24	01/01/25	
<i>Surrogate: n-Nonane</i>						
	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

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 7 CTB 2 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 1/2/2025 2:44:18PM
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BH02 - 17'
E412179-09

Analyte	Result	Reporting 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	
o-Xylene	ND	0.0250	1	12/23/24	12/24/24	
p,m-Xylene	ND	0.0500	1	12/23/24	12/24/24	
Total Xylenes	ND	0.0250	1	12/23/24	12/24/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.3 %	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.8 %	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	
Oil Range Organics (C28-C36)	ND	50.0	1	12/23/24	01/01/25	
<i>Surrogate: n-Nonane</i>						
	108 %	50-200		12/23/24	01/01/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2452015	
Chloride	2290	20.0	1	12/23/24	12/23/24	



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Boundary Raider 7 CTB 2	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	1/2/2025 2:44:18PM

Volatile Organics by EPA 8021B

Analyst: SL

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

Blank (2452004-BLK1) Prepared: 12/23/24 Analyzed: 12/23/24

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.19		8.00		89.8	70-130			

LCS (2452004-BS1) Prepared: 12/23/24 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			
o-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: 12/23/24 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	
o-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

Devon Energy - Carlsbad	Project Name:	Boundary Raider 7 CTB 2	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	1/2/2025 2:44:18PM

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
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Blank (2452004-BLK1) Prepared: 12/23/24 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: 12/23/24 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: 12/23/24 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

Devon Energy - Carlsbad	Project Name:	Boundary Raider 7 CTB 2	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	1/2/2025 2:44:18PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2452016-BLK1)					Prepared: 12/23/24 Analyzed: 12/31/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	52.8		50.0		106	50-200			

LCS (2452016-BS1)					Prepared: 12/23/24 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: E412176-03		Prepared: 12/23/24 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: E412176-03		Prepared: 12/23/24 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

Devon Energy - Carlsbad	Project Name:	Boundary Raider 7 CTB 2	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	1/2/2025 2:44:18PM

Anions by EPA 300.0/9056A

Analyst: DT

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

Blank (2452015-BLK1)					Prepared: 12/23/24 Analyzed: 12/23/24				
Chloride	ND	20.0							
LCS (2452015-BS1)					Prepared: 12/23/24 Analyzed: 12/23/24				
Chloride	253	20.0	250		101	90-110			
LCS Dup (2452015-BSD1)					Prepared: 12/23/24 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.

Definitions and Notes

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

Page 1 of 1

Client Information					Invoice Information			Lab Use Only				TAT				State					
Client: Devon					Company: Devon			Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX		
Project: Boundary Raider 7 CTB 2					Address: 5315 Buena Vista Dr			E41279		0658-0007					X	X					
Project Manager: Ashley Giovengo					City, State, Zip: Carlsbad NM, 88220																
Address: 3122 National Parks Hwy					Phone: (575)689-7597																
City, State, Zip: Carlsbad NM, 88220					Email: jim.raley@dv.com																
Phone: 575-988-0055					Miscellaneous: Jim Raley																
Email: agiovento@ensolum.com																					
Sample Information					Analysis and Method										EPA Program						
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA	Compliance	Y	or	N
9:26	12/19/2024	S	1	BH03 - 4'		1						X									
9:29	12/19/2024	S	1	BH04 - 4'		2						X									
10:31	12/19/2024	S	1	BH01 - 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						X									
11:52	12/19/2024	S	1	BH02 - 11'		6						X									
12:15	12/19/2024	S	1	BH02 - 13'		7						X									
12:44	12/19/2024	S	1	BH02 - 15'		8						X									
13:19	12/19/2024	S	1	BH02 - 17'		9						X									
Additional Instructions: Please CC: cburton@ensolum.com, agiovento@ensolum.com, jim.raley@dv.com, iestrella@ensolum.com, bdeal@ensolum, chamilton@ensolum.com, bsimmons@ensolum.com																					
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																					
Sampled by: Bowan Simmons																					
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y / N T1 _____ T2 _____ T3 _____ AVG Temp °C 4															
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time																
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time																
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time																
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other						Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA															
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																					



Envirotech Analytical Laboratory

Printed: 12/23/2024 9:31:24AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Devon Energy - Carlsbad	Date Received:	12/23/24 08:30	Work Order ID:	E412179
Phone:	(505) 382-1211	Date Logged In:	12/23/24 09:27	Logged In By:	Noe Soto
Email:	agiovengo@ensolum.com	Due Date:	01/02/25 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Yes

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

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

Sample Container

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

Field Label

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

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Ashley Giovengo



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

5796 U.S. Hwy 64
Farmington, NM 87401

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



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.
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Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.

Date Reported: 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,

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 regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
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Field Offices:

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Sample Summary

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

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.



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 7 CTB 2 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 2/5/2025 8:07:26AM
---	---	--

BH02-20'

E501233-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	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	
o-Xylene	ND	0.0250	1	01/31/25	01/31/25	
p,m-Xylene	ND	0.0500	1	01/31/25	01/31/25	
Total Xylenes	ND	0.0250	1	01/31/25	01/31/25	
<i>Surrogate: Bromofluorobenzene</i>		95.4 %	70-130	01/31/25	01/31/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.1 %	70-130	01/31/25	01/31/25	
<i>Surrogate: Toluene-d8</i>		95.5 %	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	
<i>Surrogate: Bromofluorobenzene</i>		95.4 %	70-130	01/31/25	01/31/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.1 %	70-130	01/31/25	01/31/25	
<i>Surrogate: Toluene-d8</i>		95.5 %	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	
<i>Surrogate: n-Nonane</i>		117 %	61-141	01/31/25	02/01/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2505131
Chloride	7990	100	5	01/31/25	01/31/25	



Sample Data

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

Project Name: Boundary Raider 7 CTB 2
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
2/5/2025 8:07:26AM

BH02-23.5'

E501233-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	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	
o-Xylene	ND	0.0250	1	01/31/25	01/31/25	
p,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

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

Project Name: Boundary Raider 7 CTB 2
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
2/5/2025 8:07:26AM

BH02-25'

E501233-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	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	
o-Xylene	ND	0.0250	1	01/31/25	01/31/25	
p,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	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: SL		Batch: 2505124
Gasoline Range Organics (C6-C10)	ND	20.0	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: 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	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	01/31/25	01/31/25	



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Boundary Raider 7 CTB 2	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/5/2025 8:07:26AM

Volatile Organic Compounds by EPA 8260B

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
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Blank (2505124-BLK1)

Prepared: 01/30/25 Analyzed: 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)

Prepared: 01/30/25 Analyzed: 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)

Prepared: 01/30/25 Analyzed: 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			
Surrogate: Toluene-d8	0.470		0.500		93.9	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Boundary Raider 7 CTB 2	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/5/2025 8:07:26AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

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

Blank (2505124-BLK1) Prepared: 01/30/25 Analyzed: 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: 01/30/25 Analyzed: 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: 01/30/25 Analyzed: 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

Devon Energy - Carlsbad	Project Name:	Boundary Raider 7 CTB 2	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/5/2025 8:07:26AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: AF

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2505161-BLK1)					Prepared: 01/31/25 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: 01/31/25 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: 01/31/25 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: 01/31/25 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

Devon Energy - Carlsbad	Project Name:	Boundary Raider 7 CTB 2	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/5/2025 8:07:26AM

Anions by EPA 300.0/9056A

Analyst: DT

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

Blank (2505131-BLK1)					Prepared: 01/31/25 Analyzed: 01/31/25				
Chloride	ND	20.0							
LCS (2505131-BS1)					Prepared: 01/31/25 Analyzed: 01/31/25				
Chloride	258	20.0	250		103	90-110			
Matrix Spike (2505131-MS1)					Source: E501228-03		Prepared: 01/31/25 Analyzed: 01/31/25		
Chloride	589	20.0	250	327	105	80-120			
Matrix Spike Dup (2505131-MSD1)					Source: E501228-03		Prepared: 01/31/25 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.

Definitions and Notes

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.

envirotech

Envirotech Analytical Laboratory

Printed: 1/31/2025 9:36:19AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Devon Energy - Carlsbad	Date Received:	01/31/25 05:30	Work Order ID:	E501233
Phone:	(505) 382-1211	Date Logged In:	01/30/25 16:00	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	02/06/25 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

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

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

Sample Container

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

Field Label

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

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

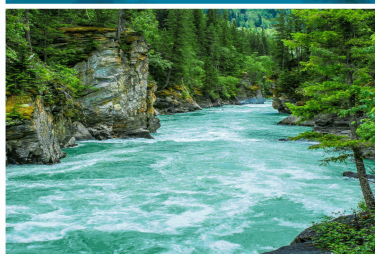
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Ashley Giovengo



5796 U.S. Hwy 64
Farmington, NM 87401

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



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name: 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,

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 regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

Walter Hinchman
Laboratory Director
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Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
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Sample Summary

Devon Energy - Carlsbad	Project Name:	Boundary Raider 7 CTB 2	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
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.



Sample Data

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

Project Name: Boundary Raider 7 CTB 2
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
3/6/2025 1:28:36PM

SS08-0'

E502281-01

Analyte	Result	Reporting Limit	Dilution	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	
o-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	
<i>Surrogate: Bromofluorobenzene</i>		96.3 %	70-130	02/28/25	03/05/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.4 %	70-130	02/28/25	03/05/25	
<i>Surrogate: Toluene-d8</i>		96.9 %	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	
<i>Surrogate: Bromofluorobenzene</i>		96.3 %	70-130	02/28/25	03/05/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.4 %	70-130	02/28/25	03/05/25	
<i>Surrogate: Toluene-d8</i>		96.9 %	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	
<i>Surrogate: n-Nonane</i>		101 %	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

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

Project Name: Boundary Raider 7 CTB 2
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
3/6/2025 1:28:36PM

SS09-0'

E502281-02

Analyte	Result	Reporting Limit	Dilution	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	
o-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	94.8 %	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	
Oil 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

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

Project Name: Boundary Raider 7 CTB 2
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
3/6/2025 1:28:36PM

SS10-0'

E502281-03

Analyte	Result	Reporting Limit	Dilution	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	
o-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

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

Project Name: Boundary Raider 7 CTB 2
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
3/6/2025 1:28:36PM

FS01-1'

E502281-04

Analyte	Result	Reporting Limit	Dilution	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	
o-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

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

Project Name: Boundary Raider 7 CTB 2
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
3/6/2025 1:28:36PM

FS02-1'

E502281-05

Analyte	Result	Reporting Limit	Dilution	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	
o-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

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

Project Name: Boundary Raider 7 CTB 2
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
3/6/2025 1:28:36PM

FS03-1'

E502281-06

Analyte	Result	Reporting Limit	Dilution	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	
o-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

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

Project Name: Boundary Raider 7 CTB 2
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
3/6/2025 1:28:36PM

FS04-1'

E502281-07

Analyte	Result	Reporting Limit	Dilution	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	
o-Xylene	ND	0.0250	1	02/28/25	03/06/25	
p,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	96.0 %	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		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	99.0 %	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

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

Project Name: Boundary Raider 7 CTB 2
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
3/6/2025 1:28:36PM

FS05-0.5'

E502281-08

Analyte	Result	Reporting Limit	Dilution	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	
o-Xylene	ND	0.0250	1	02/28/25	03/06/25	
p,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:	Boundary Raider 7 CTB 2	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	3/6/2025 1:28:36PM

Volatile Organic Compounds by EPA 8260B

Analyst: IY

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

Blank (2509119-BLK1) Prepared: 02/28/25 Analyzed: 03/05/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 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-BS1) Prepared: 02/28/25 Analyzed: 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			
Toluene	2.09	0.0250	2.50		83.8	70-130			
o-Xylene	2.04	0.0250	2.50		81.6	70-130			
p,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: E502281-04 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			
Toluene	2.26	0.0250	2.50	ND	90.2	48-130			
o-Xylene	2.27	0.0250	2.50	ND	90.8	43-135			
p,m-Xylene	4.55	0.0500	5.00	ND	91.0	43-135			
Total 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: E502281-04 Prepared: 02/28/25 Analyzed: 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	
Toluene	2.32	0.0250	2.50	ND	92.9	48-130	2.93	24	
o-Xylene	2.30	0.0250	2.50	ND	91.9	43-135	1.14	27	
p,m-Xylene	4.60	0.0500	5.00	ND	92.0	43-135	1.01	27	
Total Xylenes	6.90	0.0250	7.50	ND	91.9	43-135	1.05	27	
Surrogate: Bromofluorobenzene	0.492		0.500		98.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.486		0.500		97.1	70-130			
Surrogate: Toluene-d8	0.484		0.500		96.7	70-130			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Boundary Raider 7 CTB 2	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	3/6/2025 1:28:36PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2509119-BLK1) Prepared: 02/28/25 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: 02/28/25 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: E502281-04 Prepared: 02/28/25 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: 02/28/25 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

Devon Energy - Carlsbad	Project Name:	Boundary Raider 7 CTB 2	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	3/6/2025 1:28:36PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2509117-BLK1)					Prepared: 02/28/25 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: 02/28/25 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: 02/28/25 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: 02/28/25 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

Devon Energy - Carlsbad	Project Name:	Boundary Raider 7 CTB 2	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	3/6/2025 1:28:36PM

Anions by EPA 300.0/9056A

Analyst: IY

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

Blank (2509110-BLK1)					Prepared: 02/28/25 Analyzed: 02/28/25				
Chloride	ND	20.0							
LCS (2509110-BS1)					Prepared: 02/28/25 Analyzed: 02/28/25				
Chloride	251	20.0	250		101	90-110			
Matrix Spike (2509110-MS1)					Source: E502279-02		Prepared: 02/28/25 Analyzed: 02/28/25		
Chloride	655	20.0	250	407	99.1	80-120			
Matrix Spike Dup (2509110-MSD1)					Source: E502279-02		Prepared: 02/28/25 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.



Definitions and Notes

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

Page 1 of 1

Client Information				Invoice Information		Lab Use Only		TAT				State					
Client: Devon				Company: Devon Energy		Lab WO#		1D 2D 3D Std				NM CO UT TX					
Project: Boundary Raider 7 CTB 2				Address: 5315 Buena Vista Dr		E502281		Job Number				01058-0007					
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220								x					
Address: 3122 National Parks Hwy				Phone: (575)689-7597													
City, State, Zip: Carlsbad NM, 88220				Email: jim.raley@dvn.com													
Phone: 575-988-0055				Miscellaneous: Jim Raley													
Email: agiovengo@ensolum.com																	
Sample Information						Analysis and Method								EPA Program			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA
9:17	2/26/2025	S	1	SS08 - 0'		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'		4						X					
11:07	2/26/2025	S	1	FS02 - 1'		5						X					
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					
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@dvn.com, iestrella@ensolum.com, chamilton@ensolum.com, oaderinto@ensolum.com, bmoir@ensolum.com																	
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																	
Sampled by: Oluwale Aderinto																	
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time			Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.							
Oluwale Aderinto		2/27/25	08:15	Michelle Gonzales		2-27-25	1045			Lab Use Only							
Michelle Gonzales		2-27-25	1530	J. J.		2-27-25	1645			Received on ice: <input checked="" type="checkbox"/> Y / N							
J. J.		2-27-25	2245	Miguel R. HULL		2-28-25	0430			T1 T2 T3							
										AVG Temp °C 4							
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA							
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																	



Envirotech Analytical Laboratory

Printed: 2/28/2025 10:16:18AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Devon Energy - Carlsbad	Date Received:	02/28/25 04:30	Work Order ID:	E502281
Phone:	(505) 382-1211	Date Logged In:	02/27/25 16:00	Logged In By:	Noe Soto
Email:	agiovento@ensolum.com	Due Date:	03/06/25 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Yes

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

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

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Ashley Giovengo



5796 U.S. Hwy 64
Farmington, NM 87401

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



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name: 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,

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 regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

Walter Hinchman
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Sample Summary

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

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW01-0-1'	E503114-01A	Soil	03/14/25	03/15/25	Glass Jar, 2 oz.
SW02-0-1'	E503114-02A	Soil	03/14/25	03/15/25	Glass Jar, 2 oz.



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 7 CTB 2 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 3/19/2025 8:46:26AM
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SW01-0-1'

E503114-01

Analyte	Result	Reporting 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.5 %	70-130	03/15/25	03/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	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	
<i>Surrogate: n-Nonane</i>		97.0 %	61-141	03/15/25	03/15/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK		Batch: 2512004	
Chloride	2410	20.0	1	03/17/25	03/17/25	



Sample Data

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

Project Name: Boundary Raider 7 CTB 2
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
3/19/2025 8:46:26AM

SW02-0-1'

E503114-02

Analyte	Result	Reporting 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		97.7 %	70-130	03/15/25	03/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	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	
<i>Surrogate: n-Nonane</i>						
		85.3 %	61-141	03/15/25	03/15/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2512004
Chloride	3570	40.0	2	03/17/25	03/17/25	



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Boundary Raider 7 CTB 2	Reported:
6488 7 Rivers Hwy	Project Number:	23003-0002	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	3/19/2025 8:46:26AM

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2511091-BLK1) Prepared: 03/15/25 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	8.02		8.00		100	70-130			

LCS (2511091-BS1) Prepared: 03/15/25 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: E503109-02 Prepared: 03/15/25 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			
o-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: E503109-02 Prepared: 03/15/25 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	
o-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	
Total Xylenes	14.8	0.0250	15.0	ND	98.6	63-131	3.33	20	
Surrogate: 4-Bromochlorobenzene-PID	8.26		8.00		103	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Boundary Raider 7 CTB 2	Reported:
6488 7 Rivers Hwy	Project Number:	23003-0002	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	3/19/2025 8:46:26AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2511091-BLK1) Prepared: 03/15/25 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: 03/15/25 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: 03/15/25 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: 03/15/25 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

Devon Energy - Carlsbad	Project Name:	Boundary Raider 7 CTB 2	Reported:
6488 7 Rivers Hwy	Project Number:	23003-0002	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	3/19/2025 8:46:26AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

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

Blank (2511086-BLK1)					Prepared: 03/15/25 Analyzed: 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: 03/15/25 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: 03/15/25 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: 03/15/25 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 Raider 7 CTB 2	Reported:
6488 7 Rivers Hwy	Project Number:	23003-0002	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	3/19/2025 8:46:26AM

Anions by EPA 300.0/9056A

Analyst: AK

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

Blank (2512004-BLK1)					Prepared: 03/17/25 Analyzed: 03/17/25				
Chloride	ND	20.0							
LCS (2512004-BS1)					Prepared: 03/17/25 Analyzed: 03/17/25				
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2512004-MS1)					Source: E503123-08		Prepared: 03/17/25 Analyzed: 03/17/25		
Chloride	581	20.0	250	322	104	80-120			
Matrix Spike Dup (2512004-MSD1)					Source: E503123-08		Prepared: 03/17/25 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.

Definitions and Notes

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
 - 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 1 of 1

Client Information				Invoice Information		Lab Use Only		TAT				State						
Client: Devon				Company: Ensolum, LLC		Lab WO#		Job Number				NM CO UT TX						
Project: Boundary Raider 7 CTB 2				Address: on file		ESO3114		23003-0002				X						
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220														
Address: 3122 National Parks Hwy				Phone:														
City, State, Zip: Carlsbad NM, 88220				Email:														
Phone: 575-988-0055				Miscellaneous:														
Email: agiovengo@ensolum.com																		
Sample Information							Analysis and Method								EPA Program			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA	
8:58	3/14/2025	S	1	SW01 - 0-1'		1						X						
9:00	3/14/2025	S	1	SW02 - 0-1'		2						X						
	3/14/2025	S	1															
	3/14/2025	S	1															
	3/14/2025	S	1															
	3/14/2025	S	1															
	3/14/2025	S	1															
	3/14/2025	S	1															
	3/14/2025	S	1															
	3/14/2025	S	1															
	3/14/2025	S	1															
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@dmv.com, iestrella@ensolum.com, chamilton@ensolum.com, bsimmons@ensolum.com, bmoir@ensolum.com																		
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																		
Sampled by: Cole Burton																		
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. Lab Use Only Received on ice: <input checked="" type="checkbox"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C 4						
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time								
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time								
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time								
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA _____																		
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																		



envirotech

Envirotech Analytical Laboratory

Printed: 3/17/2025 8:57:14AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Devon Energy - Carlsbad	Date Received:	03/15/25 04:00	Work Order ID:	E503114
Phone:	(505) 382-1211	Date Logged In:	03/14/25 14:41	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	03/19/25 17:00 (2 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

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

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

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Ashley Giovengo



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

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 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,

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 regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

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Laboratory Administrator
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Sample Summary

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 7 CTB 2 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 03/19/25 12:28
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS01-1'	E503122-01A	Soil	03/14/25	03/15/25	Glass Jar, 2 oz.
FS02-1'	E503122-02A	Soil	03/14/25	03/15/25	Glass Jar, 2 oz.
FS03-1'	E503122-03A	Soil	03/14/25	03/15/25	Glass Jar, 2 oz.
FS04-1'	E503122-04A	Soil	03/14/25	03/15/25	Glass Jar, 2 oz.
FS05-0.5'	E503122-05A	Soil	03/14/25	03/15/25	Glass Jar, 2 oz.
FS06-0.5'	E503122-06A	Soil	03/14/25	03/15/25	Glass Jar, 2 oz.
FS07-0.5'	E503122-07A	Soil	03/14/25	03/15/25	Glass Jar, 2 oz.
FS08-0.5'	E503122-08A	Soil	03/14/25	03/15/25	Glass Jar, 2 oz.
FS09-1'	E503122-09A	Soil	03/14/25	03/15/25	Glass Jar, 2 oz.
FS10-0.5'	E503122-10A	Soil	03/14/25	03/15/25	Glass Jar, 2 oz.
FS11-0.5'	E503122-11A	Soil	03/14/25	03/15/25	Glass Jar, 2 oz.
FS12-0.5'	E503122-12A	Soil	03/14/25	03/15/25	Glass Jar, 2 oz.
FS13-1'	E503122-13A	Soil	03/14/25	03/15/25	Glass Jar, 2 oz.
FS14-1'	E503122-14A	Soil	03/14/25	03/15/25	Glass Jar, 2 oz.
FS15-0.5'	E503122-15A	Soil	03/14/25	03/15/25	Glass Jar, 2 oz.
FS16-0.5'	E503122-16A	Soil	03/14/25	03/15/25	Glass Jar, 2 oz.
FS17-1'	E503122-17A	Soil	03/14/25	03/15/25	Glass Jar, 2 oz.
FS18-1'	E503122-18A	Soil	03/14/25	03/15/25	Glass Jar, 2 oz.
FS19-1'	E503122-19A	Soil	03/14/25	03/15/25	Glass Jar, 2 oz.
FS20-0.5'	E503122-20A	Soil	03/14/25	03/15/25	Glass Jar, 2 oz.



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 7 CTB 2 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 3/19/2025 12:28:03PM
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FS01-1'

E503122-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: 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	
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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		79.1 %	70-130	03/15/25	03/15/25	
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	03/15/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.6 %	70-130	03/15/25	03/15/25	
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	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/25	03/17/25	
<i>Surrogate: n-Nonane</i>		106 %	61-141	03/15/25	03/17/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK		Batch: 2512002	
Chloride	159	20.0	1	03/17/25	03/17/25	



Sample Data

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

Project Name: Boundary Raider 7 CTB 2
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
3/19/2025 12:28:03PM

FS02-1'

E503122-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	78.1 %	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.5 %	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	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/25	03/17/25	
<i>Surrogate: n-Nonane</i>						
	107 %	61-141		03/15/25	03/17/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: AK		Batch: 2512002	
Chloride	1040	20.0	1	03/17/25	03/17/25	



Sample Data

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

Project Name: Boundary Raider 7 CTB 2
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
3/19/2025 12:28:03PM

FS03-1'

E503122-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	77.4 %	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	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	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/25	03/17/25	
<i>Surrogate: n-Nonane</i>						
	104 %	61-141		03/15/25	03/17/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: AK		Batch: 2512002	
Chloride	221	20.0	1	03/17/25	03/17/25	



Sample Data

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

Project Name: Boundary Raider 7 CTB 2
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
3/19/2025 12:28:03PM

FS04-1'

E503122-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: 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	
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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		81.4 %	70-130	03/15/25	03/15/25	
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	03/15/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.7 %	70-130	03/15/25	03/15/25	
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	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/25	03/17/25	
<i>Surrogate: n-Nonane</i>						
		108 %	61-141	03/15/25	03/17/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2512002
Chloride	1640	20.0	1	03/17/25	03/17/25	



Sample Data

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

Project Name: Boundary Raider 7 CTB 2
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
3/19/2025 12:28:03PM

FS05-0.5'

E503122-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.7 %	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	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/25	03/17/25	
<i>Surrogate: n-Nonane</i>						
	108 %	61-141		03/15/25	03/17/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: AK		Batch: 2512002	
Chloride	5630	40.0	2	03/17/25	03/17/25	



Sample Data

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

Project Name: Boundary Raider 7 CTB 2
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
3/19/2025 12:28:03PM

FS06-0.5'

E503122-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	77.0 %	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.7 %	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	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/25	03/17/25	
<i>Surrogate: n-Nonane</i>						
	106 %	61-141		03/15/25	03/17/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: AK		Batch: 2512002	
Chloride	2360	40.0	2	03/17/25	03/17/25	



Sample Data

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

Project Name: Boundary Raider 7 CTB 2
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
3/19/2025 12:28:03PM

FS07-0.5'

E503122-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: 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	
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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	76.2 %	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.5 %	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	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/25	03/17/25	
<i>Surrogate: n-Nonane</i>						
	104 %	61-141		03/15/25	03/17/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: AK		Batch: 2512002	
Chloride	1440	20.0	1	03/17/25	03/17/25	



Sample Data

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

Project Name: Boundary Raider 7 CTB 2
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
3/19/2025 12:28:03PM

FS08-0.5'

E503122-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	76.8 %	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.9 %	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	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/25	03/17/25	
<i>Surrogate: n-Nonane</i>						
	105 %	61-141		03/15/25	03/17/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: AK		Batch: 2512002	
Chloride	714	20.0	1	03/17/25	03/17/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 7 CTB 2 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 3/19/2025 12:28:03PM
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FS09-1'
E503122-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: 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	75.8 %	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	
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	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	Analyst: AK		Batch: 2512002	
Chloride	872	20.0	1	03/17/25	03/17/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 7 CTB 2 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 3/19/2025 12:28:03PM
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FS10-0.5'

E503122-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	75.3 %	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.2 %	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	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/25	03/17/25	
<i>Surrogate: n-Nonane</i>						
	106 %	61-141		03/15/25	03/17/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: AK		Batch: 2512002	
Chloride	9740	100	5	03/17/25	03/17/25	



Sample Data

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

Project Name: Boundary Raider 7 CTB 2
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
3/19/2025 12:28:03PM

FS11-0.5'

E503122-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	74.7 %	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.0 %	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	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/25	03/17/25	
<i>Surrogate: n-Nonane</i>						
	106 %	61-141		03/15/25	03/17/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: AK		Batch: 2512002	
Chloride	26900	1000	50	03/17/25	03/17/25	



Sample Data

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

Project Name: Boundary Raider 7 CTB 2
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
3/19/2025 12:28:03PM

FS12-0.5'

E503122-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	74.1 %	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.7 %	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	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/25	03/17/25	
<i>Surrogate: n-Nonane</i>						
	106 %	61-141		03/15/25	03/17/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: AK		Batch: 2512002	
Chloride	10500	200	10	03/17/25	03/17/25	



Sample Data

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

Project Name: Boundary Raider 7 CTB 2
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
3/19/2025 12:28:03PM

FS13-1'

E503122-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	74.0 %	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.9 %	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	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/25	03/17/25	
<i>Surrogate: n-Nonane</i>						
	102 %	61-141		03/15/25	03/17/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: AK		Batch: 2512002	
Chloride	3180	40.0	2	03/17/25	03/17/25	



Sample Data

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

Project Name: Boundary Raider 7 CTB 2
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
3/19/2025 12:28:03PM

FS14-1'

E503122-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	73.5 %	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.6 %	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	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/25	03/17/25	
<i>Surrogate: n-Nonane</i>						
	104 %	61-141		03/15/25	03/17/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2512002
Chloride	2680	40.0	2	03/17/25	03/17/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 7 CTB 2 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 3/19/2025 12:28:03PM
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FS15-0.5'

E503122-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	72.8 %	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.4 %	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	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/25	03/17/25	
<i>Surrogate: n-Nonane</i>						
	101 %	61-141		03/15/25	03/17/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: AK		Batch: 2512002	
Chloride	15700	200	10	03/17/25	03/17/25	



Sample Data

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

Project Name: Boundary Raider 7 CTB 2
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
3/19/2025 12:28:03PM

FS16-0.5'

E503122-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	72.4 %	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.3 %	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	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/25	03/17/25	
<i>Surrogate: n-Nonane</i>						
	106 %	61-141		03/15/25	03/17/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: AK		Batch: 2512002	
Chloride	8020	100	5	03/17/25	03/17/25	



Sample Data

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

Project Name: Boundary Raider 7 CTB 2
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
3/19/2025 12:28:03PM

FS17-1'

E503122-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	71.5 %	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.4 %	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	03/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/25	03/18/25	
<i>Surrogate: n-Nonane</i>						
	106 %	61-141		03/15/25	03/18/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: AK		Batch: 2512002	
Chloride	48300	1000	50	03/17/25	03/17/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 7 CTB 2 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 3/19/2025 12:28:03PM
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FS18-1'
E503122-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: 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	Analyst: 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	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	Analyst: AK		Batch: 2512002	
Chloride	2820	40.0	2	03/17/25	03/17/25	



Sample Data

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

Project Name: Boundary Raider 7 CTB 2
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
3/19/2025 12:28:03PM

FS19-1'

E503122-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	70.3 %	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.1 %	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	03/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/25	03/18/25	
<i>Surrogate: n-Nonane</i>						
	104 %	61-141		03/15/25	03/18/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: AK		Batch: 2512002	
Chloride	2330	40.0	2	03/17/25	03/17/25	



Sample Data

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

Project Name: Boundary Raider 7 CTB 2
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
3/19/2025 12:28:03PM

FS20-0.5'

E503122-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	70.2 %	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.5 %	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	03/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/25	03/18/25	
<i>Surrogate: n-Nonane</i>						
	105 %	61-141		03/15/25	03/18/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: AK		Batch: 2512002	
Chloride	4740	40.0	2	03/17/25	03/17/25	



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Boundary Raider 7 CTB 2	Reported:
6488 7 Rivers Hwy	Project Number:	23003-0002	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	3/19/2025 12:28:03PM

Volatile Organics by EPA 8021B

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
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Blank (2511099-BLK1)

Prepared: 03/15/25 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: 03/15/25 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: E503122-04

Prepared: 03/15/25 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		79.7	70-130			

Matrix Spike Dup (2511099-MSD1)

Source: E503122-04

Prepared: 03/15/25 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

Devon Energy - Carlsbad	Project Name:	Boundary Raider 7 CTB 2	Reported:
6488 7 Rivers Hwy	Project Number:	23003-0002	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	3/19/2025 12:28:03PM

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
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Blank (2511099-BLK1) Prepared: 03/15/25 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: 03/15/25 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: 03/15/25 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: 03/15/25 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

Devon Energy - Carlsbad	Project Name:	Boundary Raider 7 CTB 2	Reported:
6488 7 Rivers Hwy	Project Number:	23003-0002	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	3/19/2025 12:28:03PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2511090-BLK1)					Prepared: 03/15/25 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: 03/15/25 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: 03/15/25 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: 03/15/25 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

Devon Energy - Carlsbad	Project Name:	Boundary Raider 7 CTB 2	Reported:
6488 7 Rivers Hwy	Project Number:	23003-0002	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	3/19/2025 12:28:03PM

Anions by EPA 300.0/9056A

Analyst: AK

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

Blank (2512002-BLK1)					Prepared: 03/17/25 Analyzed: 03/17/25				
Chloride	ND	20.0							
LCS (2512002-BS1)					Prepared: 03/17/25 Analyzed: 03/17/25				
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2512002-MS1)					Source: E503122-03		Prepared: 03/17/25 Analyzed: 03/17/25		
Chloride	470	20.0	250	221	99.5	80-120			
Matrix Spike Dup (2512002-MSD1)					Source: E503122-03		Prepared: 03/17/25 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.



Definitions and Notes

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 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

Page 1 of 4

Client Information				Invoice Information		Lab Use Only		TAT				State							
Client: Devon				Company: Ensolum, LLC		Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX		
Project: Boundary Raider 7 CTB 2				Address: on file		E503122		23003-002					x	x					
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone:															
City, State, Zip: Carlsbad NM, 88220				Email:															
Phone: 575-988-0055				Miscellaneous:															
Email: agiovengo@ensolum.com																			
Sample Information										Analysis and Method						EPA Program			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA		
8:37	3/14/2025	S	1	FS01 - 1'		1						X							
8:56	3/14/2025	S	1	FS02 - 1'		2						X							
8:38	3/14/2025	S	1	FS03 - 1'		3						X							
8:38	3/14/2025	S	1	FS04 - 1'		4						X							
8:39	3/14/2025	S	1	FS05 - 0.5'		5						X							
8:41	3/14/2025	S	1	FS06 - 0.5'		6						X							
8:40	3/14/2025	S	1	FS07 - 0.5'		7						X							
8:37	3/14/2025	S	1	FS08 - 0.5'		8						X							
8:35	3/14/2025	S	1	FS09 - 1'		9						X							
8:42	3/14/2025	S	1	FS10 - 0.5'		10						X							
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@dmv.com, iestrella@ensolum.com, chamilton@ensolum.com, bsimmons@ensolum.com, bmoir@ensolum.com																			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																			
Sampled by: Cole Burton																			
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. Lab Use Only Received on ice: <input checked="" type="radio"/> Y / <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C 4											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time												
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time												
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time												
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA									
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			



envirotech

Chain of Custody

Page 2 of 4

Client Information				Invoice Information		Lab Use Only		TAT				State					
Client: Devon				Company: Ensolum, LLC		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX		
Project: Boundary Raider 7 CTB 2				Address: on file		E 503122	23003-0002				x	x					
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220													
Address: 3122 National Parks Hwy				Phone:													
City, State, Zip: Carlsbad NM, 88220				Email:													
Phone: 575-988-0055				Miscellaneous:													
Email: agiovengo@ensolum.com																	
Sample Information						Analysis and Method								EPA Program			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA
9:13	3/14/2025	S	1	FS11 - 0.5'		11						X					
9:14	3/14/2025	S	1	FS12 - 0.5'		12						X					
8:42	3/14/2025	S	1	FS13 - 1'		13						X					
8:43	3/14/2025	S	1	FS14 - 1'		14						X					
8:44	3/14/2025	S	1	FS15 - 0.5'		15						X					
8:43	3/14/2025	S	1	FS16 - 0.5'		16						X					
8:50	3/14/2025	S	1	FS17 - 1'		17						X					
8:46	3/14/2025	S	1	FS18 - 1'		18						X					
8:45	3/14/2025	S	1	FS19 - 1'		19						X					
8:44	3/14/2025	S	1	FS20 - 0.5'		20						X					
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@dmv.com, iestrella@ensolum.com, chamilton@ensolum.com, bsimmons@ensolum.com, bmoir@ensolum.com																	
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																	
Sampled by: Cole Burton																	
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. Lab Use Only Received on ice: <input checked="" type="radio"/> Y / <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C 4									
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time										
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other												Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA					
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																	



envirotech

Envirotech Analytical Laboratory

Printed: 3/17/2025 9:19:47AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Devon Energy - Carlsbad	Date Received:	03/15/25 04:00	Work Order ID:	E503122
Phone:	(505) 382-1211	Date Logged In:	03/14/25 15:28	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	03/19/25 17:00 (2 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

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

Carrier: CourierComments/Resolution

Project Boundary Raider 7 CTB 2 has been separated into 2 reports due to sample volume. WO are E503122 & E503123.

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

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

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

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Ashley Giovengo



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

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 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,

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 regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

Walter Hinchman
Laboratory Director
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Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
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Sample Summary

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 7 CTB 2 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 03/19/25 11:34
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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.
FS31-0.5'	E503123-11A	Soil	03/14/25	03/15/25	Glass Jar, 2 oz.



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 7 CTB 2 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 3/19/2025 11:34:53AM
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FS21-0.5'

E503123-01

Analyte	Result	Reporting 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	
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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		82.1 %	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		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	
Oil Range Organics (C28-C36)	ND	50.0	1	03/17/25	03/18/25	
<i>Surrogate: n-Nonane</i>		107 %	61-141	03/17/25	03/18/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK		Batch: 2512004	
Chloride	4790	40.0	2	03/17/25	03/17/25	



Sample Data

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

Project Name: Boundary Raider 7 CTB 2
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
3/19/2025 11:34:53AM

FS22-1'

E503123-02

Analyte	Result	Reporting 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	
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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	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	
Oil Range Organics (C28-C36)	ND	50.0	1	03/17/25	03/18/25	
<i>Surrogate: n-Nonane</i>						
	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

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

Project Name: Boundary Raider 7 CTB 2
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
3/19/2025 11:34:53AM

FS23-1'

E503123-03

Analyte	Result	Reporting 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	
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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	82.5 %	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.7 %	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	
Oil Range Organics (C28-C36)	ND	50.0	1	03/17/25	03/18/25	
<i>Surrogate: n-Nonane</i>						
	108 %	61-141		03/17/25	03/18/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: AK		Batch: 2512004	
Chloride	5410	40.0	2	03/17/25	03/17/25	



Sample Data

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

Project Name: Boundary Raider 7 CTB 2
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
3/19/2025 11:34:53AM

FS24-1'

E503123-04

Analyte	Result	Reporting 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	
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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	83.1 %	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.2 %	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	
Oil Range Organics (C28-C36)	ND	50.0	1	03/17/25	03/18/25	
<i>Surrogate: n-Nonane</i>						
	110 %	61-141		03/17/25	03/18/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: AK		Batch: 2512004	
Chloride	21500	200	10	03/17/25	03/17/25	



Sample Data

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

Project Name: Boundary Raider 7 CTB 2
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
3/19/2025 11:34:53AM

FS25-0.5'

E503123-05

Analyte	Result	Reporting 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	
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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	83.4 %	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.3 %	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	
Oil Range Organics (C28-C36)	ND	50.0	1	03/17/25	03/18/25	
<i>Surrogate: n-Nonane</i>						
	110 %	61-141		03/17/25	03/18/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: AK		Batch: 2512004	
Chloride	15900	200	10	03/17/25	03/17/25	



Sample Data

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

Project Name: Boundary Raider 7 CTB 2
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
3/19/2025 11:34:53AM

FS26-0.5'

E503123-06

Analyte	Result	Reporting 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	
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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	83.5 %	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	95.0 %	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	
Oil Range Organics (C28-C36)	ND	50.0	1	03/17/25	03/18/25	
<i>Surrogate: n-Nonane</i>	109 %	61-141		03/17/25	03/18/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK		Batch: 2512004	
Chloride	16000	200	10	03/17/25	03/17/25	



Sample Data

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

Project Name: Boundary Raider 7 CTB 2
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
3/19/2025 11:34:53AM

FS27-0.5'

E503123-07

Analyte	Result	Reporting 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	
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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	83.6 %	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.4 %	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	
Oil Range Organics (C28-C36)	ND	50.0	1	03/17/25	03/18/25	
<i>Surrogate: n-Nonane</i>						
	104 %	61-141		03/17/25	03/18/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: AK		Batch: 2512004	
Chloride	17000	200	10	03/17/25	03/17/25	



Sample Data

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

Project Name: Boundary Raider 7 CTB 2
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
3/19/2025 11:34:53AM

FS28-0.5'

E503123-08

Analyte	Result	Reporting 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	
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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	82.7 %	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.0 %	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	
Oil Range Organics (C28-C36)	ND	50.0	1	03/17/25	03/18/25	
<i>Surrogate: n-Nonane</i>						
	105 %	61-141		03/17/25	03/18/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: AK		Batch: 2512004	
Chloride	322	20.0	1	03/17/25	03/17/25	



Sample Data

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

Project Name: Boundary Raider 7 CTB 2
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
3/19/2025 11:34:53AM

FS29-0.5'

E503123-09

Analyte	Result	Reporting 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	
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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	82.5 %	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.7 %	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	
Oil Range Organics (C28-C36)	ND	50.0	1	03/17/25	03/18/25	
<i>Surrogate: n-Nonane</i>						
	108 %	61-141		03/17/25	03/18/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: AK		Batch: 2512004	
Chloride	1980	40.0	2	03/17/25	03/17/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 7 CTB 2 Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 3/19/2025 11:34:53AM
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FS30-0.5'

E503123-10

Analyte	Result	Reporting 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	
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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	82.3 %	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.5 %	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	
Oil Range Organics (C28-C36)	ND	50.0	1	03/17/25	03/18/25	
<i>Surrogate: n-Nonane</i>						
	108 %	61-141		03/17/25	03/18/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: AK		Batch: 2512004	
Chloride	4890	40.0	2	03/17/25	03/17/25	



Sample Data

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

Project Name: Boundary Raider 7 CTB 2
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
3/19/2025 11:34:53AM

FS31-0.5'

E503123-11

Analyte	Result	Reporting 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	
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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	82.1 %	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.9 %	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	
Oil Range Organics (C28-C36)	ND	50.0	1	03/17/25	03/18/25	
<i>Surrogate: n-Nonane</i>						
	117 %	61-141		03/17/25	03/18/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: AK		Batch: 2512004	
Chloride	7130	100	5	03/17/25	03/17/25	



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Boundary Raider 7 CTB 2	Reported:
6488 7 Rivers Hwy	Project Number:	23003-0002	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	3/19/2025 11:34:53AM

Volatile Organics by EPA 8021B

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
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Blank (2511100-BLK1) Prepared: 03/15/25 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	6.24		8.00		78.0	70-130			

LCS (2511100-BS1) Prepared: 03/15/25 Analyzed: 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: 03/15/25 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: 03/15/25 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

Devon Energy - Carlsbad	Project Name:	Boundary Raider 7 CTB 2	Reported:
6488 7 Rivers Hwy	Project Number:	23003-0002	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	3/19/2025 11:34:53AM

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
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Blank (2511100-BLK1) Prepared: 03/15/25 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: 03/15/25 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: 03/15/25 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: 03/15/25 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

Devon Energy - Carlsbad	Project Name:	Boundary Raider 7 CTB 2	Reported:
6488 7 Rivers Hwy	Project Number:	23003-0002	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	3/19/2025 11:34:53AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2512017-BLK1)					Prepared: 03/17/25 Analyzed: 03/18/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	52.3		50.0		105	61-141			

LCS (2512017-BS1)					Prepared: 03/17/25 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: 03/17/25 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: 03/17/25 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 Raider 7 CTB 2	Reported:
6488 7 Rivers Hwy	Project Number:	23003-0002	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	3/19/2025 11:34:53AM

Anions by EPA 300.0/9056A

Analyst: AK

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

Blank (2512004-BLK1)					Prepared: 03/17/25 Analyzed: 03/17/25				
Chloride	ND	20.0							
LCS (2512004-BS1)					Prepared: 03/17/25 Analyzed: 03/17/25				
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2512004-MS1)					Source: E503123-08		Prepared: 03/17/25 Analyzed: 03/17/25		
Chloride	581	20.0	250	322	104	80-120			
Matrix Spike Dup (2512004-MSD1)					Source: E503123-08		Prepared: 03/17/25 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.



Definitions and Notes

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

- 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 3 of 4

Client Information				Invoice Information				Lab Use Only				TAT				State			
Client: Devon				Company: Ensolum, LLC				Lab WO# E503123				Job Number 23003-0002				1D 2D 3D Std x x x x			
Project: Boundary Raider 7 CTB 2				Address: on file												NM CO UT TX x x x x			
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone:															
City, State, Zip: Carlsbad NM, 88220				Email:															
Phone: 575-988-0055				Miscellaneous:															
Email: agiovengo@ensolum.com																			
Sample Information												Analysis and Method				EPA Program			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA		
8:49	3/14/2025	S	1	FS21 - 0.5'		1						X							
8:48	3/14/2025	S	1	FS22 - 1'		2						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						X							
8:56	3/14/2025	S	1	FS30 - 0.5'		10						X							
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@dv.com, iestrella@ensolum.com, chamilton@ensolum.com, bsimmons@ensolum.com, bmoir@ensolum.com I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Cole Burton																			
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. Lab Use Only Received on ice: <input checked="" type="checkbox"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C 4											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time												
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time												
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time												
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other												Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA							
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			



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Chain of Custody

Page 4 of 4

Client Information				Invoice Information		Lab Use Only		TAT				State							
Client: Devon				Company: Ensolum, LLC		Lab WO# E503123		Job Number 23003-0002		1D	2D	3D	Std	NM	CO	UT	TX		
Project: Boundary Raider 7 CTB 2				Address: on file										x					
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone:															
City, State, Zip: Carlsbad NM, 88220				Email:															
Phone: 575-988-0055				Miscellaneous:															
Email: agiovengo@ensolum.com																			
Sample Information																			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	EPA Program				
																SDWA	CWA	RCRA	
																Compliance	Y	or	N
																PWSID #			
																Remarks			
8:57	3/14/2025	S	1	FS31 - 0.5'		11						X							
	3/14/2025	S	1									X							
	3/14/2025	S	1									X							
	3/14/2025	S	1									X							
	3/14/2025	S	1									X							
	3/14/2025	S	1									X							
	3/14/2025	S	1									X							
	3/14/2025	S	1									X							
	3/14/2025	S	1									X							
	3/14/2025	S	1									X							
	3/14/2025	S	1									X							
	3/14/2025	S	1									X							
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@dmv.com, iestrella@ensolum.com, chamilton@ensolum.com, bsimmons@ensolum.com, bmoir@ensolum.com																			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																			
Sampled by: Cole Burton																			
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. Lab Use Only Received on ice: (Y) N T1 T2 T3 AVG Temp °C 4											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time												
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time												
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time												
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																			
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																			
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			



envirotech

Envirotech Analytical Laboratory

Printed: 3/17/2025 9:20:56AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Devon Energy - Carlsbad	Date Received:	03/15/25 04:00	Work Order ID:	E503123
Phone:	(505) 382-1211	Date Logged In:	03/14/25 15:33	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	03/19/25 17:00 (2 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

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

Carrier: CourierComments/Resolution

Project Boundary Raider 7 CTB 2 has been separated into 2 reports due to sample volume. WO are E503122 & E503123.

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

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

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

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

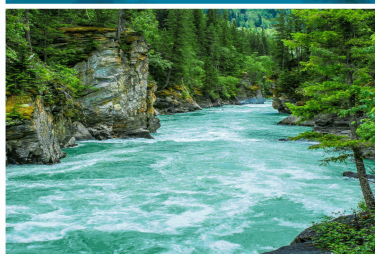
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Ashley Giovengo



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

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 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,

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 regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

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Sample Summary

Devon Energy - Carlsbad	Project Name:	Boundary Raider 7 CTB 2	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
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.



Sample Data

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

Project Name: Boundary Raider 7 CTB 2
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
4/4/2025 10:20:40AM

FS11-1'

E503247-01

Analyte	Result	Reporting Limit	Dilution	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	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	03/31/25	03/31/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.8 %	70-130	03/31/25	03/31/25	
<i>Surrogate: Toluene-d8</i>		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	03/31/25	03/31/25	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	03/31/25	03/31/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.8 %	70-130	03/31/25	03/31/25	
<i>Surrogate: Toluene-d8</i>		106 %	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	
<i>Surrogate: n-Nonane</i>		94.3 %	61-141	03/31/25	03/31/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2514008
Chloride	1350	20.0	1	03/31/25	03/31/25	



Sample Data

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

Project Name: Boundary Raider 7 CTB 2
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
4/4/2025 10:20:40AM

FS12-1'

E503247-02

Analyte	Result	Reporting Limit	Dilution	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		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

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

Project Name: Boundary Raider 7 CTB 2
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
4/4/2025 10:20:40AM

FS15-1'

E503247-03

Analyte	Result	Reporting Limit	Dilution	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		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: 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	663	20.0	1	03/31/25	03/31/25	



Sample Data

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

Project Name: Boundary Raider 7 CTB 2
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
4/4/2025 10:20:40AM

FS17-1.5'

E503247-04

Analyte	Result	Reporting Limit	Dilution	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		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	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: 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		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

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

Project Name: Boundary Raider 7 CTB 2
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
4/4/2025 10:20:40AM

FS24-1.5'

E503247-05

Analyte	Result	Reporting Limit	Dilution	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		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

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 7 CTB 2 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 4/4/2025 10:20:40AM
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FS25-1'
E503247-06

Analyte	Result	Reporting Limit	Dilution	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: 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	1750	20.0	1	03/31/25	03/31/25	



Sample Data

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

Project Name: Boundary Raider 7 CTB 2
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
4/4/2025 10:20:40AM

FS26-1'

E503247-07

Analyte	Result	Reporting Limit	Dilution	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		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

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

Project Name: Boundary Raider 7 CTB 2
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
4/4/2025 10:20:40AM

FS27-1'

E503247-08

Analyte	Result	Reporting Limit	Dilution	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	Project Name:	Boundary Raider 7 CTB 2	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	4/4/2025 10:20:40AM

Volatile Organic Compounds by EPA 8260B

Analyst: SL

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

Blank (2514007-BLK1) Prepared: 03/31/25 Analyzed: 03/31/25

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	0.518		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: 03/31/25 Analyzed: 03/31/25

Benzene	2.24	0.0250	2.50		89.5	70-130			
Ethylbenzene	2.32	0.0250	2.50		92.8	70-130			
Toluene	2.43	0.0250	2.50		97.1	70-130			
o-Xylene	2.46	0.0250	2.50		98.4	70-130			
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: 03/31/25 Analyzed: 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			
o-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: E503247-05 Prepared: 03/31/25 Analyzed: 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	
o-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	
Total Xylenes	7.31	0.0250	7.50	ND	97.5	43-135	5.08	27	
Surrogate: Bromofluorobenzene	0.518		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.507		0.500		101	70-130			
Surrogate: Toluene-d8	0.524		0.500		105	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Boundary Raider 7 CTB 2	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	4/4/2025 10:20:40AM

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
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Blank (2514007-BLK1)					Prepared: 03/31/25 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: 03/31/25 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: E503247-05	Prepared: 03/31/25 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: 03/31/25 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

Devon Energy - Carlsbad	Project Name:	Boundary Raider 7 CTB 2	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	4/4/2025 10:20:40AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2514005-BLK1)					Prepared: 03/31/25 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: 03/31/25 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: 03/31/25 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: 03/31/25 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

Devon Energy - Carlsbad	Project Name:	Boundary Raider 7 CTB 2	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	4/4/2025 10:20:40AM

Anions by EPA 300.0/9056A

Analyst: AK

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

Blank (2514008-BLK1)					Prepared: 03/31/25 Analyzed: 03/31/25				
Chloride	ND	20.0							
LCS (2514008-BS1)					Prepared: 03/31/25 Analyzed: 03/31/25				
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2514008-MS1)					Source: E503247-04		Prepared: 03/31/25 Analyzed: 03/31/25		
Chloride	1650	20.0	250	1450	81.4	80-120			
Matrix Spike Dup (2514008-MSD1)					Source: E503247-04		Prepared: 03/31/25 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.



Definitions and Notes

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.



WO# 21457702

Chain of Custody

Page 1 of 1

Client Information				Invoice Information				Lab Use Only				TAT				State			
Client: Devon				Company: Devon Energy				Lab WO#		Job Number		1D		2D		3D		Std	
Project: Boundary Raider 7 CTB 2				Address: 5315 Buena Vista Dr				E503247		01058-0007				X					
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: (575)689-7597															
City, State, Zip: Carlsbad NM, 88220				Email: jim.raley@dv.com															
Phone: 575-988-0055				Miscellaneous: Jim Raley															
Email: agiovengo@ensolum.com																			

Sample Information										Analysis and Method								EPA Program			Compliance		Y or N		PWSID #		Remarks	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				SDWA	CWA	RCRA								
8:42	3/28/2025	S	1	FS11 - 1'		1						X																Rush Chloride only
8:41	3/28/2025	S	1	FS12 - 1'		2						X																Rush Chloride only
8:44	3/28/2025	S	1	FS15 - 1'		3						X																Rush Chloride only
8:47	3/28/2025	S	1	FS17 - 1.5'		4						X																Rush Chloride only
8:48	3/28/2025	S	1	FS24 - 1.5'		5						X																Rush Chloride only
8:50	3/28/2025	S	1	FS25 - 1'		6						X																Rush Chloride only
8:51	3/28/2025	S	1	FS26 - 1'		7						X																Rush Chloride only
8:53	3/28/2025	S	1	FS27 - 1'		8						X																Rush Chloride only

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@dv.com, iestrella@ensolum.com, chamilton@ensolum.com, bsimmons@ensolum.com, bmoir@ensolum.com

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

Sampled by: Cole Burton

Relinquished by: (Signature) <i>Cole Burton</i>	Date 3/28/25	Time 10:22	Received by: (Signature) <i>Michelle Gonzales</i>	Date 3-28-25	Time 1022	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent day. Lab Use Only Received on ice: <input checked="" type="radio"/> Y / <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <i>Michelle Gonzales</i>	Date 3-28-25	Time 1022	Received by: (Signature) <i>Marissa Gonzales</i>	Date 3-28-25	Time 1022	
Relinquished by: (Signature) <i>Marissa Gonzales</i>	Date 3-28-25	Time 2100	Received by: (Signature) <i>Richard Gonzales</i>	Date 3-28-25	Time 2100	
Relinquished by: (Signature) <i>Richard Gonzales</i>	Date 3-28-25	Time 2300	Received by: (Signature) <i>Crittig Mar</i>	Date 3-31-25	Time 730	

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

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



envirotech

Envirotech Analytical Laboratory

Printed: 3/31/2025 10:37:40AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Devon Energy - Carlsbad	Date Received:	03/31/25 07:30	Work Order ID:	E503247
Phone:	(505) 382-1211	Date Logged In:	03/28/25 16:41	Logged In By:	Noe Soto
Email:	agiovento@ensolum.com	Due Date:	04/04/25 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

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

Carrier: CourierComments/Resolution

Client remark to rush chloride only.

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

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

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

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.



APPENDIX E

NMOCD Correspondence

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/oecd>



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.rale@dv.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

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 412055

QUESTIONS

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

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

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

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 412055

CONDITIONS

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

CONDITIONS

Created By	Condition	Condition Date
jralej	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

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 441225

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 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

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 441225

CONDITIONS

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

CONDITIONS

Created By	Condition	Condition Date
jralej	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

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 445937

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 445937
	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	
<i>Please answer all the questions in this group.</i>	
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

Action 445937

CONDITIONS

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

CONDITIONS

Created By	Condition	Condition Date
jralej	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

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QUESTIONS

Action 451733

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 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 <i>Please answer all the questions in this group.</i>	
Site Name	BOUNDARY RAIDER 7 CTB 2
Date Release Discovered	12/03/2024
Surface Owner	Federal

Incident Details <i>Please answer all the questions in this group.</i>	
Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release <i>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.</i>	
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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QUESTIONS, Page 2

Action 451733

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 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	<i>Unavailable.</i>
<i>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.</i>	

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvni.com Date: 04/14/2025
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QUESTIONS, Page 3

Action 451733

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 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 and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	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

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride (EPA 300.0 or SM4500 Cl B)	26300
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0
GRO+DRO (EPA SW-846 Method 8015M)	0
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0

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

On what estimated date will the remediation commence	02/26/2025
On what date will (or did) the final sampling or liner inspection occur	03/28/2025
On what date will (or was) the remediation complete(d)	03/26/2025
What is the estimated surface area (in square feet) that will be reclaimed	800
What is the estimated volume (in cubic yards) that will be reclaimed	26
What is the estimated surface area (in square feet) that will be remediated	5369
What is the estimated volume (in cubic yards) that will be remediated	340

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 4

Action 451733

QUESTIONS (continued)

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

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	HALFWAY DISPOSAL AND LANDFILL [FEEM0112334510]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dmv.com Date: 04/14/2025
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 451733

QUESTIONS (continued)

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

QUESTIONS

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

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QUESTIONS, Page 6

Action 451733

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 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	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	5369
What was the total volume (cubic yards) remediated	340
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	800
What was the total volume (in cubic yards) reclaimed	26
Summarize any additional remediation activities not included by answers (above)	Soils remediated.
<p><i>The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.</i></p>	
<p>I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.</p>	
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

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QUESTIONS, Page 7

Action 451733

QUESTIONS (continued)

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

QUESTIONS

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

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CONDITIONS

Action 451733

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 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