



May 1, 2025

New Mexico Energy Minerals 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 Federal #214H
Incident Number nAPP2435126810
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* to document assessment, excavation, and soil sampling activities at the Boundary Raider 7 Federal #214H (Site). The purpose of the Site assessment and soil sampling activities was to assess for the presence or absence of impacts to soil following a release of crude oil onto the well pad. Based on field observations, field screening activities, and soil sample laboratory analytical results, Devon is submitting this *Closure Request*, describing Site assessment, delineation, and excavation activities that have occurred and requesting no further action for Incident Number nAPP2435126810.

SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit A, Section 07, Township 23 South, Range 32 East, in Lea County, New Mexico (32.326°, -103.70814°) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM).

On December 15, 2024, the packing on the wellhead started leaking, resulting in the release of approximately 9 barrels (bbls) of crude oil onto the caliche pad of which none were recovered. Devon reported the release to the New Mexico Oil Conservation Division (NMOCD) via on the NMOCD Portal December 16, 2024, and submitted a Release Notification Form C-141 (Form C-141) on December 19, 2024. The release was assigned Incident Number nAPP2435126810. The Form C-141 can be referenced on the NMOCD Portal.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

The Site was characterized to assess applicability of Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29 (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 CP 2036 POD1, located approximately 115 feet southeast of the Site.

The well was drilled to assess depth to water, which had a reported depth to groundwater greater than 55 feet below ground surface (bgs) and a total depth of 55 feet bgs. There are no regional or Site-specific hydrogeological conditions, such as shallow surface water, karst features, wetlands, or vegetation to suggest the Site is conducive to shallower groundwater. All wells used for depth to groundwater determination are presented on Figure 1. The referenced well record is included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is a freshwater pond, located approximately 2.42 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 16, 2024, Ensolum personnel visited the Site to evaluate the release extent based on information provided on the Form C-141 and visual observations. Beginning on January 10, 2024, five preliminary soil samples (SS01 through SS05) were collected around the release extent at ground surface to assess the lateral extent of the impacted area and five boreholes (BH01 through BH05) were advanced within the release extent to assess the vertical extent of impacted soil; boreholes BH01 through BH05 were advanced to a depth of 1-foot bgs. The preliminary soil samples were field screened for chloride and TPH utilizing Hach® chloride QuanTab® test strips and a PetroFLAG® Soil Analyzer System, respectively. The release extent and preliminary soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2. Field screening results and observations for the boreholes were logged on lithologic/soil sampling logs, which are included in Appendix C.

The soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice and transported under strict chain-of-custody procedures to Envirotech Analysis Laboratory (Envirotech) in Farmington, New Mexico, for analysis of the following chemicals of concern (COCs): BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-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 April 02, 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 north side of the wellhead. 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 FS38) were collected from the floor of the excavation at depths ranging from 1-foot to 4 feet bgs. Composite sidewall soil samples (SW01 through SW04) were collected from the sidewall of the excavation at depths ranging from ground surface to 4 feet 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 7,510 square feet. A total of approximately 448 cubic yards of impacted soil was removed during the excavation activities. The impacted soil was transported and properly disposed of at the Northern Delaware Basin Landfill, New Mexico. After completion of confirmation sampling, the excavation areas were secured with fencing.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for preliminary soil samples SS01 through SS05 were all in compliance with the strictest Closure Criteria per NMOC Table I at ground surface. Laboratory analytical results for boreholes BH02 and BH03 indicated all COCs were in compliance with the Site Closure Criteria at 1-foot bgs. Laboratory analytical results for boreholes BH02 and BH03 indicated all COCs were in compliance with the strictest Closure Criteria at 1-foot bgs.

Laboratory analytical results for excavation floor soil samples FS01 through FS38 indicated all COC concentrations were compliant with the strictest Closure Criteria. Laboratory analytical results for sidewall soil samples SW01 through SW04 indicated all COC concentrations were compliant with the strictest Closure Criteria. Laboratory analytical results are summarized in Tables 1 through 3 and the complete laboratory analytical reports are included as Appendix D.

CLOSURE REQUEST

Site assessment and excavation activities were conducted at the Site to address the December 2024 release of crude oil. Laboratory analytical results for the excavation soil samples, collected from the final excavation extent, indicated all COC concentrations were in compliance with the strictest Closure Criteria. Based on the soil sample analytical results, no further remediation was required.

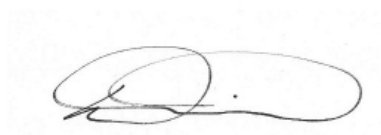
Excavation of impacted and waste-containing soil has mitigated adverse conditions at this Site. Depth to groundwater has been estimated to be greater than 55 feet bgs and no other sensitive receptors were identified near the release extent. Devon believes these remedial actions are protective of human health, the environment, and groundwater. As such, Devon respectfully requests closure for Incident Number nAPP2435126810.

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
Associate Principal



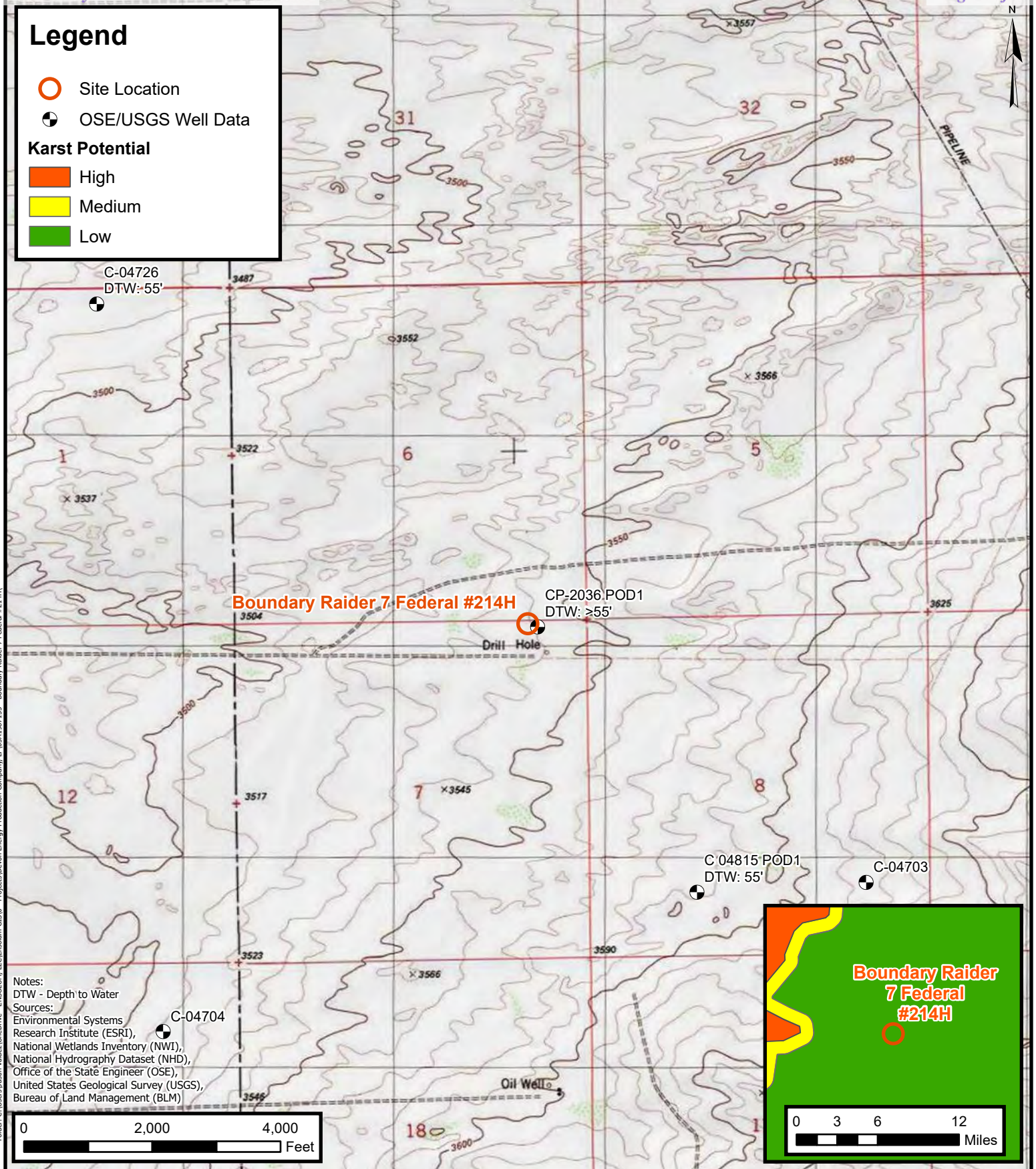
Daniel R. Moir, PG (licensed in WY & TX)
Senior Managing Geologist

Appendices:

Figure 1	Site Receptor Map
Figure 2	Delineation Soil Sample Locations
Figure 3	Excavation Soil Sample Locations
Table 1	Soil Sample Analytical Results (Delineation Soil Samples)
Table 2	Soil Sample Analytical Results (Excavation Floor Soil Samples)
Table 3	Soil Sample Analytical Results (Excavation Sidewall Soil Samples)
Table 4	Soil Sample Analytical Results (Backfill Soil Sample)
Appendix A	Well Log and Record
Appendix B	Photographic Log
Appendix C	Lithologic / Soil Sampling Logs
Appendix D	Laboratory Analytical Reports & Chain-of-Custody Documentation
Appendix E	NMOCD Correspondence



FIGURES



Site Receptor Map

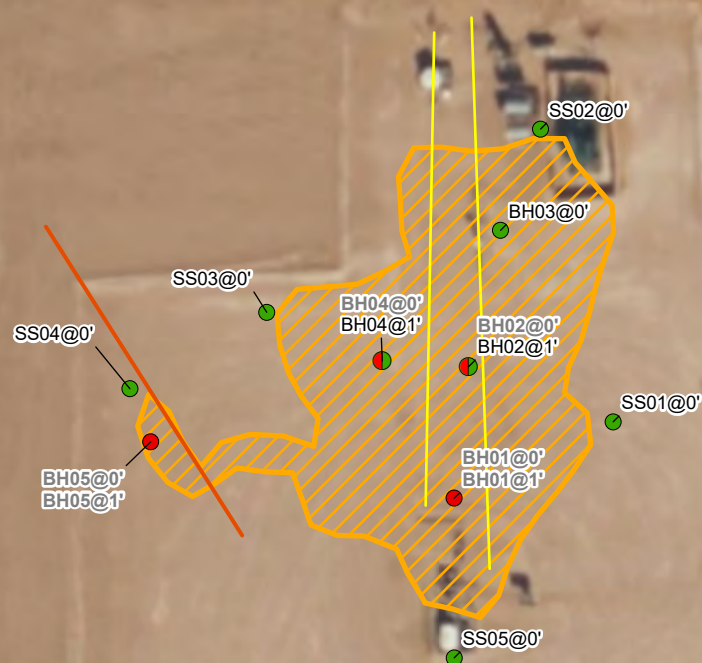
Devon Energy Production Company, LP
Boundary Raider 7 Federal #214H
Incident Number: nAPP2435126810
Unit A, Section 07, T 23S, R 32E
Lea County, New Mexico

FIGURE

1

Legend

- Delineation Soil Sample in Compliance with Closure Criteria
- Delineation Soil Sample with Concentrations Exceeding Closure Criteria
- ● Delineation Soil Sample with Concentrations Previously Exceeding Closure Criteria
- Electric Utility Line
- Oil and Gas Utility Line
- Release 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 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 Federal #214H
 Incident Number: nAPP2435126810
 Unit A, Section 07, T 23S, R 32E
 Lea County, New Mexico

FIGURE
2

Legend

- Excavation Floor Sample in Compliance with Closure Criteria
- ▲ Excavation Sidewall Sample in Compliance with Closure Criteria
- Electric Utility Line
- Oil and Gas Utility Line
- ▨ Excavation Extent



Notes:
 Sample ID @ Depth Below Ground Surface.
 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 Federal #214H
 Incident Number: nAPP2435126810
 Unit A, Section 07, T 23S, R 32E
 Lea County, New Mexico

FIGURE

3



TABLES

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
 Boundary Raider 7 Federal #214H
 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)
NMOCDC Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	10,000
Delineation Soil Samples										
SS01	12/16/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	110
SS02	12/16/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	402
SS03	12/16/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	272
SS04	12/16/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS05	12/16/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	508
BH01	1/10/2025	0	25.3	177.5	1,280	16,800	6,750	18,080	24,830	872
BH01	1/10/2025	1	<0.0250	0.026	<20.0	64.5	62.8	64.5	127.3	173
BH02	1/10/2025	0	0.2447	0.8707	<20.0	5,400	2,660	5,400	8,060	50.6
BH02	1/10/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	33.6
BH03	1/10/2025	0	<0.0250	<0.0500	<20.0	31.7	<50.0	31.7	31.7	77.2
BH03	1/10/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	63.5
BH04	1/10/2025	0	0.1075	0.5225	<20.0	3,160	1,780	3,160	4,940	1,600
BH04	1/10/2025	1	<0.0250	0.0414	<20.0	<25.0	<50.0	<25.0	<50.0	46.7
BH05	1/10/2025	0	13.74	99.44	491	16,900	7,200	17,391	24,591	11,400
BH05	1/10/2025	1	<0.0250	<0.0500	<20.0	147	84.2	147	231.2	<20.0

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCDC: 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 NMOCDC 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 Federal #214H
 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	4/3/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	76.4
FS02	4/3/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	53.7
FS03	4/3/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	205
FS04	4/3/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	262
FS05	4/3/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	195
FS06	4/3/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	202
FS07	4/3/2025	1	<0.0250	<0.0500	<20.0	32.3	<50.0	32.3	32.3	43.3
FS08	4/3/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	209
FS09	4/4/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	131
FS10	4/4/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	62.3
FS11	4/3/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	153
FS12	4/3/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	260
FS13	4/4/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	592
FS14	4/4/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	206
FS15	4/3/2025	1	<0.0250	0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	73.7
FS16	4/3/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	57.3
FS17	4/3/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	38.3
FS18	4/3/2025	1	<0.0250	<0.0500	<20.0	64.4	<50.0	64.4	64.4	272
FS19	4/4/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	260
FS20	4/4/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	49.8
FS21	4/7/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	254
FS22	4/4/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	180
FS23	4/4/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	354
FS24	4/3/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	256
FS25	4/3/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	75.3
FS26	4/3/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	295
FS27	4/4/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	127
FS28	4/4/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	77.1
FS29	4/4/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	117
FS30	4/4/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS31	4/4/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	125
FS32	4/4/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	85.5
FS33	4/4/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	62.5

TABLE 2
SOIL SAMPLE ANALYTICAL RESULTS
 Boundary Raider 7 Federal #214H
 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										
FS33	4/4/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	62.5
FS34	4/4/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	44.8
FS35	4/4/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	30.2
FS36	4/4/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	33.8
FS37	4/4/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS38	4/4/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	32.5

Notes:

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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

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TABLE 3
SOIL SAMPLE ANALYTICAL RESULTS
 Boundary Raider 7 Federal #214H
 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	4/7/2025	0-1	<0.0250	<0.0500	<20.0	39.8	<50.0	<25.0	<50.0	133
SW02	4/7/2025	0-1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	71.0
SW03	4/7/2025	0-1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	720
SW03	4/18/2025	0-1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	34.8
SW04	4/7/2025	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	139

Notes:

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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 4 SOIL SAMPLE ANALYTICAL RESULTS Boundary Raider 7 Federal #214H 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
Backfill Soil Sample										
BF01	4/7/2025	NA	<0.0250	<0.0500	<20.0	39.8	<50.0	<25.0	<50.0	182

Notes:

bgs: below ground surface

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ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

NA: Not Applicable



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.) Pod 1		WELL TAG ID NO.		OSE FILE NO(S). CP-2036			
	WELL OWNER NAME(S) Devon Energy				PHONE (OPTIONAL)			
	WELL OWNER MAILING ADDRESS 5315 Buena Vista Drive				CITY Carlsbad	STATE NM	ZIP 88220	
	WELL LOCATION (FROM GPS)	DEGREES 32		MINUTES 19	SECONDS 32.8	* ACCURACY REQUIRED: ONE TENTH OF A SECOND		
		LONGITUDE 103		42	28.2	* DATUM REQUIRED: WGS 84		
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE S7 T23s R32e								
2. DRILLING & CASING INFORMATION	LICENSE NO. WD-1862		NAME OF LICENSED DRILLER James Hawley			NAME OF WELL DRILLING COMPANY H&R Enterprises, LLC		
	DRILLING STARTED 1-23-25	DRILLING ENDED 1-23-25	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) N/A	DATE STATIC MEASURED 1-27-25		
	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)		BORE HOLE DIAM. (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0'	55'	6'	No casing left in hole				
3. ANNULAR MATERIAL	DEPTH (feet bgl)		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		
	FROM	TO						
				N/A				

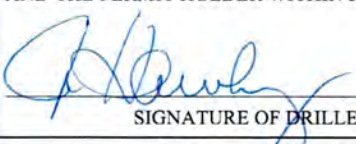
FOR OSE INTERNAL USE

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

FILE NO.	POD NO.	TRN NO.
LOCATION	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'	15'	15'	Sand	Y ✓ N	
	15'	25'	10'	Sandy Red Clay	Y ✓ N	
	25'	30'	5'	Grey Clay	Y ✓ N	
	30'	55'	25'	Sandy Red Clay	Y ✓ N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:					TOTAL ESTIMATED WELL YIELD (gpm): 0.00	
<input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input checked="" type="checkbox"/> OTHER – SPECIFY: DTGW Bore						

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: Depth to groundwater bore was gauged for water on 1-27-25. DTGW bore was dry. Temporary well casing was removed, bore hole was backfilled with drill cutting to 10' BGS. Hydrated bentonite hole plug was poured from 10' BGS to surface.	
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Nathan Smelcer	

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:  James Hawley SIGNATURE OF DRILLER / PRINT SIGNEE NAME	1-28-25 DATE
--------------	--	-----------------

FOR OSE INTERNAL USE

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

FILE NO.	POD NO.	TRN NO.
LOCATION	WELL TAG ID NO.	PAGE 2 OF 2



PLUGGING RECORD



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

I. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: CP-2036-POD1

Well owner: Devon Energy

Phone No.: _____

Mailing address: 5315 Buena Vista Drive

City: Carlsbad State: NM Zip code: 88220

II. WELL PLUGGING INFORMATION:

- 1) Name of well drilling company that plugged well: H&R Enterprises, LLC.
- 2) New Mexico Well Driller License No.: WD-1862 Expiration Date: 6-16-25
- 3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s):
Nathan Smelcer
- 4) Date well plugging began: 1-27-25 Date well plugging concluded: 1-27-25
- 5) GPS Well Location: Latitude: 32 deg, 19 min, 32.8 sec
Longitude: 103 deg, 42 min, 28.2 sec, WGS 84
- 6) Depth of well confirmed at initiation of plugging as: 55' ft below ground level (bgl),
by the following manner: well sounder
- 7) Static water level measured at initiation of plugging: N/A ft bgl
- 8) Date well plugging plan of operations was approved by the State Engineer: 11-22-24
- 9) Were all plugging activities consistent with an approved plugging plan? yes If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):

- For each interval plugged, describe within the following columns:**

[illegible]

MULTIPLY		BY	AND OBTAIN
cubic feet	x	7.4805	= gallons
cubic yards	x	201.97	= gallons

I, James Hawley, say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.

Signature _____

Signature of Well Driller

1-28-25

Date _____



APPENDIX B

Photographic Log



Photographic Log

Devon Energy Production Company, LP
Boundary Raider 7 Federal #214H
nAPP2435126810



Photograph 1
Description: Signage
View: North
Date: 12/16/2024



Photograph 2
Description: Spill Area
View: West
Date: 12/16/2024



Photograph 3
Description: Spill Area
View: Southwest
Date: 12/16/2024

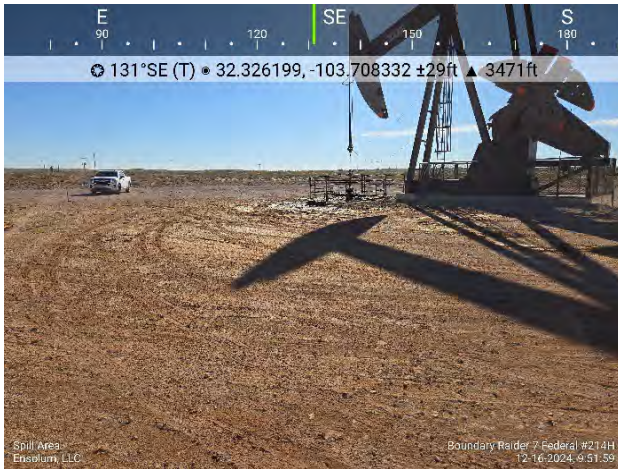


Photograph 4
Description: Spill Area
View: Southwest
Date: 12/16/2024



Photographic Log

Devon Energy Production Company, LP
Boundary Raider 7 Federal #214H
nAPP2435126810



Photograph 5
Description: Spill Area
View: Southeast

Date: 12/16/2024



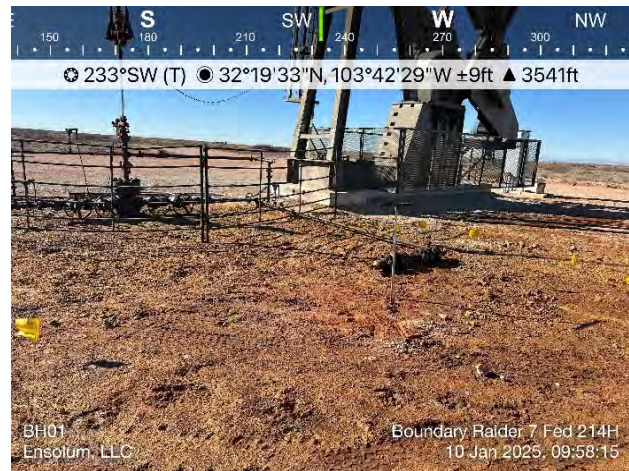
Photograph 6
Description: Spill Area
View: Southwest

Date: 12/16/2024



Photograph 7
Description: Spill Area
View: Southeast

Date: 12/16/2024



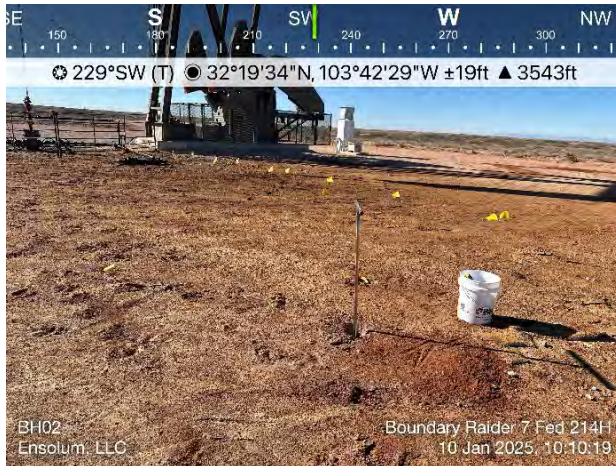
Photograph 8
Description: BH01
View: Southwest

Date: 1/10/2025



Photographic Log

Devon Energy Production Company, LP
Boundary Raider 7 Federal #214H
nAPP2435126810



Photograph 9
Description: BH02
View: Southwest

Date: 1/10/2025



Photograph 10
Description: BH03
View: South

Date: 1/10/2025



Photograph 11
Description: BH04
View: South

Date: 1/10/2025



Photograph 12
Description: BH05
View: East

Date: 1/10/2025



Photographic Log

Devon Energy Production Company, LP
Boundary Raider 7 Federal #214H
nAPP2435126810



Photograph 13
Description: Hydrovac
View: South

Date: 4/2/2025



Photograph 14
Description: Hydrovac
View: Northwest

Date: 4/2/2025



Photograph 15
Description: Excavation
View: East

Date: 4/3/2025



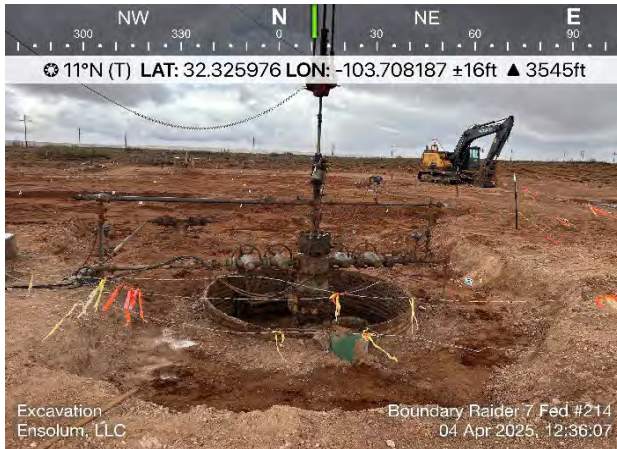
Photograph 16
Description: Excavation
View: Southeast

Date: 4/3/2025



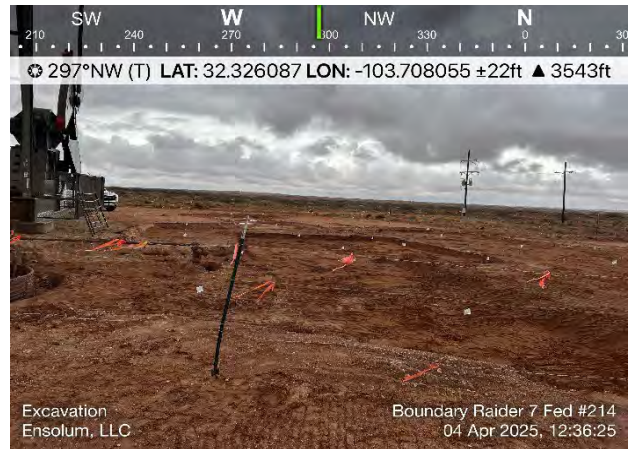
Photographic Log

Devon Energy Production Company, LP
Boundary Raider 7 Federal #214H
nAPP2435126810



Photograph 17
Description: Excavation
View: North

Date: 4/4/2025



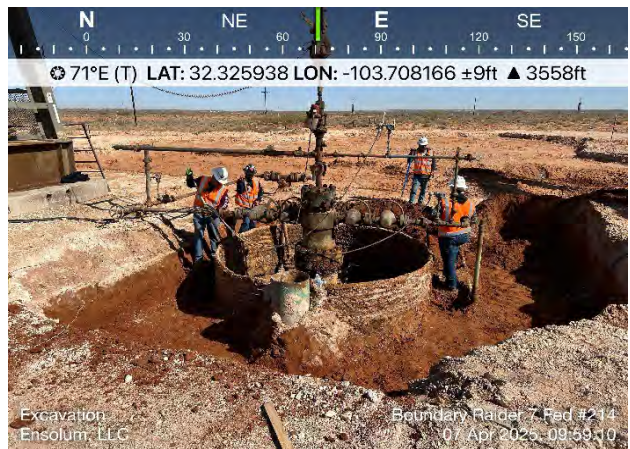
Photograph 18
Description: Excavation
View: Northwest

Date: 4/4/2025



Photograph 19
Description: Excavation
View: Northeast

Date: 4/5/2025




Photograph 20
Description: Excavation
View: East


Date: 4/5/2025





APPENDIX C


Lithologic Soil Sampling Logs

 ENSOLUM		Sample Name: BH01		Date: 1/10/25				
		Site Name: Boundary Raider 7 Federal 214H						
		Incident Number: nAPP2435126810						
		Job Number: 03A1987155						
LITHOLOGIC / SOIL SAMPLING LOG								
Coordinates: 32.326063, -103.708154			Logged By: Oluwale Aderinto		Method: Hand auger			
			Hole Diameter: 3"		Total Depth: 1'			
Comments: Field screening conducted with HACH Chloride Test Strips, and PetroFLAG Soil Analyzer System . Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.								
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
M			Y	BH01	0	0		Pad Caliche
M	196	16	N	BH01	1	1	CCHE	
Total Depth = 1'								

								Sample Name: BH02		Date: 1/10/25	
								Site Name: Boundary Raider 7 Federal 214H			
								Incident Number: nAPP2435126810			
								Job Number: 03A1987155			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: Oluwale Aderinto		Method: Hand auger	
Coordinates: 32.326157, -103.708140								Hole Diameter: 3"		Total Depth: 1'	
Comments: Field screening conducted with HACH Chloride Test Strips, and PetroFLAG Soil Analyzer System . Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.											
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
M			Y	BH02	0	0	CCHE	Pad Caliche			
M	ND	47	N	BH02	1	1	SP-SM	Brown, poorly graded sand with silt, non-pliable, non-plastic.			
Total Depth = 1'											

								Sample Name: BH03		Date: 1/10/25	
								Site Name: Boundary Raider 7 Federal 214H			
								Incident Number: nAPP2435126810			
								Job Number: 03A1987155			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: Oluwale Aderinto		Method: Hand auger	
Coordinates: 32.32.326254, -103.708112								Hole Diameter: 3"		Total Depth: 1'	
Comments: Field screening conducted with HACH Chloride Test Strips, and PetroFLAG Soil Analyzer System . Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.											
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
D			Y	BH03	0	0	CCHE	Pad Caliche			
M	ND	11	N	BH03	1	1	SP-SM	Brown, poorly graded sand with silt, non-pliable, non-plastic.			
Total Depth = 1'											

								Sample Name: BH04		Date: 1/10/25	
								Site Name: Boundary Raider 7 Federal 214H			
								Incident Number: nAPP2435126810			
								Job Number: 03A1987155			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: Oluwale Aderinto		Method: Hand auger	
Coordinates: 32.32.326162, -103.708213								Hole Diameter: 3"		Total Depth: 1'	
Comments: Field screening conducted with HACH Chloride Test Strips, and PetroFLAG Soil Analyzer System . Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.											
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
M			Y	BH04	0	0	CCHE	Pad Caliche			
M	ND	18	N	BH04	1	1	SP-SM	Brown, poorly graded sand with silt, non-pliable, non-plastic.			
Total Depth = 1'											

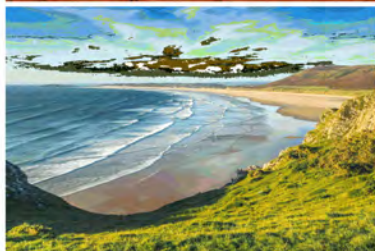
								Sample Name: BH05		Date: 1/10/25	
								Site Name: Boundary Raider 7 Federal 214H			
								Incident Number: nAPP2435126810			
								Job Number: 03A1987155			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: Oluwale Aderinto		Method: Hand auger	
Coordinates: 32.326106, -103.708409								Hole Diameter: 3"		Total Depth: 1'	
Comments: Field screening conducted with HACH Chloride Test Strips, and PetroFLAG Soil Analyzer System . Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.											
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
M			Y	BH05	0	0	CCHE	Pad Caliche			
M	ND	19	N	BH05	1	1	SP-SM	Brown, poorly graded sand with silt, non-pliable, non-plastic.			
Total Depth = 1'											



APPENDIX D

Laboratory Analytical Reports & Chain-of-Custody Documentation

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name: Boundary Raider 7 Federal #214H

Work Order: E412138

Job Number: 01058-0007

Received: 12/18/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
12/20/24

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: 12/20/24



Ashley Giovengo
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Boundary Raider 7 Federal #214H
Workorder: E412138
Date Received: 12/18/2024 8:15:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/18/2024 8:15:00AM, under the Project Name: Boundary Raider 7 Federal #214H.

The analytical test results summarized in this report with the Project Name: Boundary Raider 7 Federal #214H 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
Laboratory Administrator
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Sample Summary

Devon Energy - Carlsbad	Project Name:	Boundary Raider 7 Federal #214H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/20/24 15:00

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS01 - 0'	E412138-01A	Soil	12/16/24	12/18/24	Glass Jar, 2 oz.
SS02 - 0'	E412138-02A	Soil	12/16/24	12/18/24	Glass Jar, 2 oz.
SS03 - 0'	E412138-03A	Soil	12/16/24	12/18/24	Glass Jar, 2 oz.
SS04 - 0'	E412138-04A	Soil	12/16/24	12/18/24	Glass Jar, 2 oz.
SS05 - 0'	E412138-05A	Soil	12/16/24	12/18/24	Glass Jar, 2 oz.



Sample Data

Devon Energy - Carlsbad	Project Name:	Boundary Raider 7 Federal #214H	Reported: 12/20/2024 3:00:28PM
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	

SS01 - 0'

E412138-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2451053	
Benzene	ND	0.0250	1	12/18/24	12/19/24	
Ethylbenzene	ND	0.0250	1	12/18/24	12/19/24	
Toluene	ND	0.0250	1	12/18/24	12/19/24	
o-Xylene	ND	0.0250	1	12/18/24	12/19/24	
p,m-Xylene	ND	0.0500	1	12/18/24	12/19/24	
Total Xylenes	ND	0.0250	1	12/18/24	12/19/24	
Surrogate: 4-Bromochlorobenzene-PID	88.9 %	70-130		12/18/24	12/19/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2451053	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/24	12/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	92.3 %	70-130		12/18/24	12/19/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2451056	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/18/24	12/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/18/24	12/19/24	
Surrogate: n-Nonane	125 %	50-200		12/18/24	12/19/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2451057	
Chloride	110	20.0	1	12/18/24	12/19/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 7 Federal #214H Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 12/20/2024 3:00:28PM
---	---	-----------------------------------

SS02 - 0'

E412138-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2451053	
Benzene	ND	0.0250	1	12/18/24	12/19/24	
Ethylbenzene	ND	0.0250	1	12/18/24	12/19/24	
Toluene	ND	0.0250	1	12/18/24	12/19/24	
o-Xylene	ND	0.0250	1	12/18/24	12/19/24	
p,m-Xylene	ND	0.0500	1	12/18/24	12/19/24	
Total Xylenes	ND	0.0250	1	12/18/24	12/19/24	
Surrogate: 4-Bromochlorobenzene-PID	89.3 %	70-130		12/18/24	12/19/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2451053	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/24	12/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	91.5 %	70-130		12/18/24	12/19/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2451056	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/18/24	12/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/18/24	12/19/24	
Surrogate: n-Nonane	125 %	50-200		12/18/24	12/19/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2451057	
Chloride	402	20.0	1	12/18/24	12/19/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 7 Federal #214H Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 12/20/2024 3:00:28PM
---	---	-----------------------------------

SS03 - 0'

E412138-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2451053	
Benzene	ND	0.0250	1	12/18/24	12/19/24	
Ethylbenzene	ND	0.0250	1	12/18/24	12/19/24	
Toluene	ND	0.0250	1	12/18/24	12/19/24	
o-Xylene	ND	0.0250	1	12/18/24	12/19/24	
p,m-Xylene	ND	0.0500	1	12/18/24	12/19/24	
Total Xylenes	ND	0.0250	1	12/18/24	12/19/24	
Surrogate: 4-Bromochlorobenzene-PID	89.2 %	70-130		12/18/24	12/19/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2451053	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/24	12/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	92.4 %	70-130		12/18/24	12/19/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2451056	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/18/24	12/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/18/24	12/19/24	
Surrogate: n-Nonane	127 %	50-200		12/18/24	12/19/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2451057	
Chloride	272	20.0	1	12/18/24	12/19/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 7 Federal #214H Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 12/20/2024 3:00:28PM
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SS04 - 0'

E412138-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2451053	
Benzene	ND	0.0250	1	12/18/24	12/19/24	
Ethylbenzene	ND	0.0250	1	12/18/24	12/19/24	
Toluene	ND	0.0250	1	12/18/24	12/19/24	
o-Xylene	ND	0.0250	1	12/18/24	12/19/24	
p,m-Xylene	ND	0.0500	1	12/18/24	12/19/24	
Total Xylenes	ND	0.0250	1	12/18/24	12/19/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.7 %	70-130		12/18/24	12/19/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2451053	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/24	12/19/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.5 %	70-130		12/18/24	12/19/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2451056	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/18/24	12/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/18/24	12/19/24	
<i>Surrogate: n-Nonane</i>						
	123 %	50-200		12/18/24	12/19/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2451057	
Chloride	ND	20.0	1	12/18/24	12/19/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 7 Federal #214H Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 12/20/2024 3:00:28PM
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SS05 - 0'

E412138-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2451053	
Benzene	ND	0.0250	1	12/18/24	12/19/24	
Ethylbenzene	ND	0.0250	1	12/18/24	12/19/24	
Toluene	ND	0.0250	1	12/18/24	12/19/24	
o-Xylene	ND	0.0250	1	12/18/24	12/19/24	
p,m-Xylene	ND	0.0500	1	12/18/24	12/19/24	
Total Xylenes	ND	0.0250	1	12/18/24	12/19/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.3 %	70-130		12/18/24	12/19/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2451053	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/24	12/19/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.1 %	70-130		12/18/24	12/19/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2451056	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/18/24	12/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/18/24	12/19/24	
<i>Surrogate: n-Nonane</i>						
	127 %	50-200		12/18/24	12/19/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2451057	
Chloride	508	20.0	1	12/18/24	12/19/24	



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Boundary Raider 7 Federal #214H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/20/2024 3:00:28PM

Volatile Organics by EPA 8021B

Analyst: RKS

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

Blank (2451053-BLK1)

Prepared: 12/18/24 Analyzed: 12/19/24

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	6.88		8.00		85.9	70-130			

LCS (2451053-BS1)

Prepared: 12/18/24 Analyzed: 12/19/24

Benzene	5.14	0.0250	5.00		103	70-130			
Ethylbenzene	5.01	0.0250	5.00		100	70-130			
Toluene	5.11	0.0250	5.00		102	70-130			
o-Xylene	4.99	0.0250	5.00		99.8	70-130			
p,m-Xylene	10.2	0.0500	10.0		102	70-130			
Total Xylenes	15.1	0.0250	15.0		101	70-130			
Surrogate: 4-Bromochlorobenzene-PID	6.85		8.00		85.6	70-130			

LCS Dup (2451053-BSD1)

Prepared: 12/18/24 Analyzed: 12/19/24

Benzene	5.27	0.0250	5.00		105	70-130	2.45	20	
Ethylbenzene	5.14	0.0250	5.00		103	70-130	2.46	20	
Toluene	5.24	0.0250	5.00		105	70-130	2.47	20	
o-Xylene	5.11	0.0250	5.00		102	70-130	2.45	20	
p,m-Xylene	10.4	0.0500	10.0		104	70-130	2.37	20	
Total Xylenes	15.5	0.0250	15.0		103	70-130	2.40	20	
Surrogate: 4-Bromochlorobenzene-PID	6.89		8.00		86.1	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Boundary Raider 7 Federal #214H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/20/2024 3:00:28PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2451053-BLK1) Prepared: 12/18/24 Analyzed: 12/19/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.51		8.00		93.8	70-130			

LCS (2451053-BS2) Prepared: 12/18/24 Analyzed: 12/19/24

Gasoline Range Organics (C6-C10)	43.8	20.0	50.0		87.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.61		8.00		95.1	70-130			

LCS Dup (2451053-BSD2) Prepared: 12/18/24 Analyzed: 12/19/24

Gasoline Range Organics (C6-C10)	41.2	20.0	50.0		82.3	70-130	6.19	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.69		8.00		96.2	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Boundary Raider 7 Federal #214H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/20/2024 3:00:28PM

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 (2451056-BLK1)					Prepared: 12/18/24 Analyzed: 12/19/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	63.1		50.0		126	50-200			

LCS (2451056-BS1)					Prepared: 12/18/24 Analyzed: 12/19/24				
Diesel Range Organics (C10-C28)	296	25.0	250		118	38-132			
Surrogate: n-Nonane	61.1		50.0		122	50-200			

Matrix Spike (2451056-MS1)					Source: E412134-01		Prepared: 12/18/24 Analyzed: 12/19/24		
Diesel Range Organics (C10-C28)	286	25.0	250	ND	115	38-132			
Surrogate: n-Nonane	59.1		50.0		118	50-200			

Matrix Spike Dup (2451056-MSD1)					Source: E412134-01		Prepared: 12/18/24 Analyzed: 12/19/24		
Diesel Range Organics (C10-C28)	315	25.0	250	ND	126	38-132	9.44	20	
Surrogate: n-Nonane	66.7		50.0		133	50-200			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Boundary Raider 7 Federal #214H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/20/2024 3:00:28PM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2451057-BLK1)					Prepared: 12/18/24 Analyzed: 12/19/24				
Chloride	ND	20.0							
LCS (2451057-BS1)					Prepared: 12/18/24 Analyzed: 12/19/24				
Chloride	252	20.0	250		101	90-110			
LCS Dup (2451057-BSD1)					Prepared: 12/18/24 Analyzed: 12/19/24				
Chloride	253	20.0	250		101	90-110	0.127	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 Federal #214H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/20/24 15:00

- 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# 21461996

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 Federal #214H					Address: 5315 Buena Vista Dr		E412138	01058-0007				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@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
11:30	12/16/2024	S	1	SS01 - 0'		1						X					
10:00	12/16/2024	S	1	SS02 - 0'		2						X					
10:02	12/16/2024	S	1	SS03 - 0'		3						X					
10:04	12/16/2024	S	1	SS04 - 0'		4						X					
11:44	12/16/2024	S	1	SS05 - 0'		5						X					
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@dvn.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="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												
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: 12/18/2024 10:55:05AM

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:	12/18/24 08:15	Work Order ID:	E412138
Phone:	(505) 382-1211	Date Logged In:	12/17/24 16:46	Logged In By:	Noe Soto
Email:	agiovento@ensolum.com	Due Date:	12/24/24 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
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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 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 - 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

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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	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	
<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	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	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	
<i>Surrogate: n-Nonane</i>						
	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	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	
<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>						
	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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	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	
<i>Surrogate: n-Nonane</i>						
	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 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 (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	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

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.																	



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		01058-0007					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																							
												Analysis and Method				EPA Program							
												DRO/ORO by 8015	GRO/PRO 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 #			
																				Remarks			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field	Filter	Lab Number																
13:35	12/18/2024	S	1	BH03 - 3'			11								X								
13:59	12/18/2024	S	1	BH04 - 0'			12								X								
14:03	12/18/2024	S	1	BH04 - 1'			13								X								
14:08	12/18/2024	S	1	BH04 - 3'			14								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: ⑨/ 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: 12/20/2024 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:	agiovengo@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

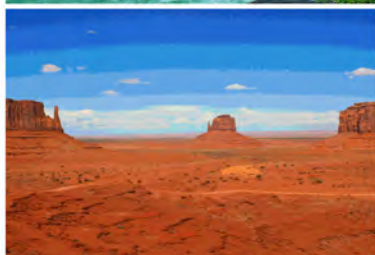
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name: Boundary Raider 7 Federal #214H

Work Order: E501072

Job Number: 01058-0007

Received: 1/14/2025

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
1/16/25

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: 1/16/25

Ashley Giovengo
6488 7 Rivers Hwy
Artesia, NM 88210



Project Name: Boundary Raider 7 Federal #214H
Workorder: E501072
Date Received: 1/14/2025 7:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/14/2025 7:30:00AM, under the Project Name: Boundary Raider 7 Federal #214H.

The analytical test results summarized in this report with the Project Name: Boundary Raider 7 Federal #214H 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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mgonzaless@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 7 Federal #214H Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 01/16/25 14:03
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH01-0'	E501072-01A	Soil	01/10/25	01/14/25	Glass Jar, 2 oz.
BH01-1'	E501072-02A	Soil	01/10/25	01/14/25	Glass Jar, 2 oz.
BH02-0'	E501072-03A	Soil	01/10/25	01/14/25	Glass Jar, 2 oz.
BH02-1'	E501072-04A	Soil	01/10/25	01/14/25	Glass Jar, 2 oz.
BH03-0'	E501072-05A	Soil	01/10/25	01/14/25	Glass Jar, 2 oz.
BH03-1'	E501072-06A	Soil	01/10/25	01/14/25	Glass Jar, 2 oz.
BH04-0'	E501072-07A	Soil	01/10/25	01/14/25	Glass Jar, 2 oz.
BH04-1'	E501072-08A	Soil	01/10/25	01/14/25	Glass Jar, 2 oz.
BH05-0'	E501072-09A	Soil	01/10/25	01/14/25	Glass Jar, 2 oz.
BH05-1'	E501072-10A	Soil	01/10/25	01/14/25	Glass Jar, 2 oz.



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 7 Federal #214H Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 1/16/2025 2:03:16PM
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BH01-0'

E501072-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2503034	
Benzene	2.50	0.125	5	01/14/25	01/15/25	
Ethylbenzene	22.8	0.125	5	01/14/25	01/15/25	
Toluene	41.2	0.125	5	01/14/25	01/15/25	
o-Xylene	29.7	0.125	5	01/14/25	01/15/25	
p,m-Xylene	80.9	0.250	5	01/14/25	01/15/25	
Total Xylenes	111	0.125	5	01/14/25	01/15/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.0 %	70-130		01/14/25	01/15/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2503034	
Gasoline Range Organics (C6-C10)	1280	100	5	01/14/25	01/15/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	118 %	70-130		01/14/25	01/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2503047	
Diesel Range Organics (C10-C28)	16800	125	5	01/14/25	01/14/25	T9
Oil Range Organics (C28-C36)	6750	250	5	01/14/25	01/14/25	
<i>Surrogate: n-Nonane</i>						
	452 %	50-200		01/14/25	01/14/25	S5
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2503030	
Chloride	872	20.0	1	01/14/25	01/15/25	



Sample Data

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

Project Name: Boundary Raider 7 Federal #214H
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
1/16/2025 2:03:16PM

BH01-1'

E501072-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	mg/kg	Analyst: SL		Batch: 2503034
Benzene	ND	0.0250	1	01/14/25	01/15/25	
Ethylbenzene	ND	0.0250	1	01/14/25	01/15/25	
Toluene	0.0260	0.0250	1	01/14/25	01/15/25	
o-Xylene	ND	0.0250	1	01/14/25	01/15/25	
p,m-Xylene	ND	0.0500	1	01/14/25	01/15/25	
Total Xylenes	ND	0.0250	1	01/14/25	01/15/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		82.2 %	70-130	01/14/25	01/15/25	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: SL		Batch: 2503034
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/14/25	01/15/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.4 %	70-130	01/14/25	01/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: NV		Batch: 2503047
Diesel Range Organics (C10-C28)	64.5	25.0	1	01/14/25	01/14/25	
Oil Range Organics (C28-C36)	62.8	50.0	1	01/14/25	01/14/25	
<i>Surrogate: n-Nonane</i>		108 %	50-200	01/14/25	01/14/25	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: IY		Batch: 2503030
Chloride	173	20.0	1	01/14/25	01/15/25	



Sample Data

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

Project Name: Boundary Raider 7 Federal #214H
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
1/16/2025 2:03:16PM

BH02-0'

E501072-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2503034	
Benzene	0.165	0.0250	1	01/14/25	01/14/25	
Ethylbenzene	0.0797	0.0250	1	01/14/25	01/14/25	
Toluene	0.426	0.0250	1	01/14/25	01/14/25	
o-Xylene	0.0596	0.0250	1	01/14/25	01/14/25	
p,m-Xylene	0.141	0.0500	1	01/14/25	01/14/25	
Total Xylenes	0.200	0.0250	1	01/14/25	01/14/25	
Surrogate: 4-Bromochlorobenzene-PID	88.5 %	70-130		01/14/25	01/14/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2503034	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/14/25	01/14/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	93.9 %	70-130		01/14/25	01/14/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2503047	
Diesel Range Organics (C10-C28)	5400	50.0	2	01/14/25	01/15/25	
Oil Range Organics (C28-C36)	2660	100	2	01/14/25	01/15/25	
Surrogate: n-Nonane	114 %	50-200		01/14/25	01/15/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2503030	
Chloride	50.6	20.0	1	01/14/25	01/15/25	



Sample Data

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

Project Name: Boundary Raider 7 Federal #214H
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
1/16/2025 2:03:16PM

BH02-1'

E501072-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2503034
Benzene	ND	0.0250	1	01/14/25	01/15/25	
Ethylbenzene	ND	0.0250	1	01/14/25	01/15/25	
Toluene	ND	0.0250	1	01/14/25	01/15/25	
o-Xylene	ND	0.0250	1	01/14/25	01/15/25	
p,m-Xylene	ND	0.0500	1	01/14/25	01/15/25	
Total Xylenes	ND	0.0250	1	01/14/25	01/15/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	85.7 %	70-130		01/14/25	01/15/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2503034
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/14/25	01/15/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.4 %	70-130		01/14/25	01/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2503047
Diesel Range Organics (C10-C28)	ND	25.0	1	01/14/25	01/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/14/25	01/14/25	
<i>Surrogate: n-Nonane</i>						
	107 %	50-200		01/14/25	01/14/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2503030
Chloride	33.6	20.0	1	01/14/25	01/15/25	



Sample Data

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

Project Name: Boundary Raider 7 Federal #214H
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
1/16/2025 2:03:16PM

BH03-0'

E501072-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2503034	
Benzene	ND	0.0250	1	01/14/25	01/14/25	
Ethylbenzene	ND	0.0250	1	01/14/25	01/14/25	
Toluene	ND	0.0250	1	01/14/25	01/14/25	
o-Xylene	ND	0.0250	1	01/14/25	01/14/25	
p,m-Xylene	ND	0.0500	1	01/14/25	01/14/25	
Total Xylenes	ND	0.0250	1	01/14/25	01/14/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	87.0 %	70-130		01/14/25	01/14/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2503034	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/14/25	01/14/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.6 %	70-130		01/14/25	01/14/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2503047	
Diesel Range Organics (C10-C28)	31.7	25.0	1	01/14/25	01/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/14/25	01/14/25	
<i>Surrogate: n-Nonane</i>						
	115 %	50-200		01/14/25	01/14/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2503030	
Chloride	77.2	20.0	1	01/14/25	01/15/25	



Sample Data

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

Project Name: Boundary Raider 7 Federal #214H
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
1/16/2025 2:03:16PM

BH03-1'

E501072-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2503034	
Benzene	ND	0.0250	1	01/14/25	01/14/25	
Ethylbenzene	ND	0.0250	1	01/14/25	01/14/25	
Toluene	ND	0.0250	1	01/14/25	01/14/25	
o-Xylene	ND	0.0250	1	01/14/25	01/14/25	
p,m-Xylene	ND	0.0500	1	01/14/25	01/14/25	
Total Xylenes	ND	0.0250	1	01/14/25	01/14/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	85.2 %	70-130		01/14/25	01/14/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2503034	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/14/25	01/14/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.3 %	70-130		01/14/25	01/14/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2503047	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/14/25	01/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/14/25	01/14/25	
<i>Surrogate: n-Nonane</i>						
	110 %	50-200		01/14/25	01/14/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2503030	
Chloride	63.5	20.0	1	01/14/25	01/15/25	



Sample Data

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

Project Name: Boundary Raider 7 Federal #214H
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
1/16/2025 2:03:16PM

BH04-0'

E501072-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2503034	
Benzene	0.0680	0.0250	1	01/14/25	01/14/25	
Ethylbenzene	0.0395	0.0250	1	01/14/25	01/14/25	
Toluene	0.301	0.0250	1	01/14/25	01/14/25	
o-Xylene	0.0273	0.0250	1	01/14/25	01/14/25	
p,m-Xylene	0.0864	0.0500	1	01/14/25	01/14/25	
Total Xylenes	0.114	0.0250	1	01/14/25	01/14/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	85.3 %	70-130		01/14/25	01/14/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2503034	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/14/25	01/14/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.3 %	70-130		01/14/25	01/14/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2503047	
Diesel Range Organics (C10-C28)	3160	25.0	1	01/14/25	01/14/25	
Oil Range Organics (C28-C36)	1780	50.0	1	01/14/25	01/14/25	
<i>Surrogate: n-Nonane</i>						
	113 %	50-200		01/14/25	01/14/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2503030	
Chloride	1600	20.0	1	01/14/25	01/15/25	



Sample Data

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

Project Name: Boundary Raider 7 Federal #214H
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
1/16/2025 2:03:16PM

BH04-1'

E501072-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2503034
Benzene	ND	0.0250	1	01/14/25	01/14/25	
Ethylbenzene	ND	0.0250	1	01/14/25	01/14/25	
Toluene	ND	0.0250	1	01/14/25	01/14/25	
o-Xylene	0.0414	0.0250	1	01/14/25	01/14/25	
p,m-Xylene	ND	0.0500	1	01/14/25	01/14/25	
Total Xylenes	0.0414	0.0250	1	01/14/25	01/14/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	86.6 %	70-130		01/14/25	01/14/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2503034
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/14/25	01/14/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.4 %	70-130		01/14/25	01/14/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2503047
Diesel Range Organics (C10-C28)	ND	25.0	1	01/14/25	01/14/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/14/25	01/14/25	
<i>Surrogate: n-Nonane</i>						
	112 %	50-200		01/14/25	01/14/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2503030
Chloride	46.7	20.0	1	01/14/25	01/15/25	



Sample Data

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

Project Name: Boundary Raider 7 Federal #214H
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
1/16/2025 2:03:16PM

BH05-0'

E501072-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2503034	
Benzene	1.84	0.0500	2	01/14/25	01/14/25	
Ethylbenzene	11.9	0.0500	2	01/14/25	01/14/25	
Toluene	28.2	0.0500	2	01/14/25	01/14/25	
o-Xylene	16.2	0.0500	2	01/14/25	01/14/25	
p,m-Xylene	41.2	0.100	2	01/14/25	01/14/25	
Total Xylenes	57.5	0.0500	2	01/14/25	01/14/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.0 %	70-130		01/14/25	01/14/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2503034	
Gasoline Range Organics (C6-C10)	491	40.0	2	01/14/25	01/14/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	103 %	70-130		01/14/25	01/14/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2503047	
Diesel Range Organics (C10-C28)	16900	500	20	01/14/25	01/15/25	T9
Oil Range Organics (C28-C36)	7200	1000	20	01/14/25	01/15/25	
<i>Surrogate: n-Nonane</i>						
	463 %	50-200		01/14/25	01/15/25	S5
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2503030	
Chloride	11400	200	10	01/14/25	01/15/25	



Sample Data

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

Project Name: Boundary Raider 7 Federal #214H
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
1/16/2025 2:03:16PM

BH05-1'

E501072-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2503034
Benzene	ND	0.0250	1	01/14/25	01/15/25	
Ethylbenzene	ND	0.0250	1	01/14/25	01/15/25	
Toluene	ND	0.0250	1	01/14/25	01/15/25	
o-Xylene	ND	0.0250	1	01/14/25	01/15/25	
p,m-Xylene	ND	0.0500	1	01/14/25	01/15/25	
Total Xylenes	ND	0.0250	1	01/14/25	01/15/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	83.7 %	70-130		01/14/25	01/15/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2503034
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/14/25	01/15/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.9 %	70-130		01/14/25	01/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2503047
Diesel Range Organics (C10-C28)	147	25.0	1	01/14/25	01/15/25	
Oil Range Organics (C28-C36)	84.2	50.0	1	01/14/25	01/15/25	
<i>Surrogate: n-Nonane</i>						
	109 %	50-200		01/14/25	01/15/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2503030
Chloride	ND	20.0	1	01/14/25	01/15/25	



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Boundary Raider 7 Federal #214H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	1/16/2025 2:03:16PM

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 (2503034-BLK1)

Prepared: 01/14/25 Analyzed: 01/14/25

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	6.94		8.00		86.7	70-130			

LCS (2503034-BS1)

Prepared: 01/14/25 Analyzed: 01/14/25

Benzene	4.87	0.0250	5.00		97.4	70-130			
Ethylbenzene	4.70	0.0250	5.00		94.1	70-130			
Toluene	4.81	0.0250	5.00		96.1	70-130			
o-Xylene	4.69	0.0250	5.00		93.9	70-130			
p,m-Xylene	9.57	0.0500	10.0		95.7	70-130			
Total Xylenes	14.3	0.0250	15.0		95.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	6.94		8.00		86.7	70-130			

Matrix Spike (2503034-MS1)

Source: E501072-05

Prepared: 01/14/25 Analyzed: 01/14/25

Benzene	5.31	0.0250	5.00	ND	106	54-133			
Ethylbenzene	5.14	0.0250	5.00	ND	103	61-133			
Toluene	5.26	0.0250	5.00	ND	105	61-130			
o-Xylene	5.13	0.0250	5.00	ND	103	63-131			
p,m-Xylene	10.4	0.0500	10.0	ND	104	63-131			
Total Xylenes	15.6	0.0250	15.0	ND	104	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.01		8.00		87.7	70-130			

Matrix Spike Dup (2503034-MSD1)

Source: E501072-05

Prepared: 01/14/25 Analyzed: 01/14/25

Benzene	4.89	0.0250	5.00	ND	97.8	54-133	8.30	20	
Ethylbenzene	4.74	0.0250	5.00	ND	94.8	61-133	8.01	20	
Toluene	4.85	0.0250	5.00	ND	97.0	61-130	8.11	20	
o-Xylene	4.74	0.0250	5.00	ND	94.7	63-131	7.98	20	
p,m-Xylene	9.67	0.0500	10.0	ND	96.7	63-131	7.79	20	
Total Xylenes	14.4	0.0250	15.0	ND	96.0	63-131	7.85	20	
Surrogate: 4-Bromochlorobenzene-PID	7.04		8.00		88.0	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Boundary Raider 7 Federal #214H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	1/16/2025 2:03:16PM

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 (2503034-BLK1) Prepared: 01/14/25 Analyzed: 01/14/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.55		8.00		94.4	70-130			

LCS (2503034-BS2) Prepared: 01/14/25 Analyzed: 01/14/25

Gasoline Range Organics (C6-C10)	41.2	20.0	50.0		82.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.79		8.00		97.4	70-130			

Matrix Spike (2503034-MS2) Source: E501072-05 Prepared: 01/14/25 Analyzed: 01/14/25

Gasoline Range Organics (C6-C10)	39.0	20.0	50.0	ND	78.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.58		8.00		94.7	70-130			

Matrix Spike Dup (2503034-MSD2) Source: E501072-05 Prepared: 01/14/25 Analyzed: 01/14/25

Gasoline Range Organics (C6-C10)	41.5	20.0	50.0	ND	83.1	70-130	6.33	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.60		8.00		95.0	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Boundary Raider 7 Federal #214H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	1/16/2025 2:03:16PM

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 (2503047-BLK1)					Prepared: 01/14/25 Analyzed: 01/14/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	55.4		50.0		111	50-200			

LCS (2503047-BS1)					Prepared: 01/14/25 Analyzed: 01/14/25				
Diesel Range Organics (C10-C28)	258	25.0	250		103	38-132			
Surrogate: n-Nonane	56.0		50.0		112	50-200			

Matrix Spike (2503047-MS1)				Source: E501072-03		Prepared: 01/14/25 Analyzed: 01/15/25			
Diesel Range Organics (C10-C28)	4670	50.0	250	5400	NR	38-132			M4
Surrogate: n-Nonane	56.6		50.0		113	50-200			

Matrix Spike Dup (2503047-MSD1)				Source: E501072-03		Prepared: 01/14/25 Analyzed: 01/15/25			
Diesel Range Organics (C10-C28)	4360	50.0	250	5400	NR	38-132	6.80	20	M4
Surrogate: n-Nonane	55.7		50.0		111	50-200			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Boundary Raider 7 Federal #214H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	1/16/2025 2:03:16PM

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 (2503030-BLK1)					Prepared: 01/14/25 Analyzed: 01/15/25				
Chloride	ND	20.0							
LCS (2503030-BS1)					Prepared: 01/14/25 Analyzed: 01/15/25				
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2503030-MS1)					Source: E501072-09		Prepared: 01/14/25 Analyzed: 01/15/25		
Chloride	11800	200	250	11400	179	80-120			M4
Matrix Spike Dup (2503030-MSD1)					Source: E501072-09		Prepared: 01/14/25 Analyzed: 01/15/25		
Chloride	10800	200	250	11400	NR	80-120	9.30	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 Federal #214H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	01/16/25 14:03

- 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.
- S5 Surrogate spike recovery exceeded acceptance limits due to interfering target and/or non-target analytes.
- T9 DRO includes undifferentiated early eluting analytes characteristic of GRO.
- 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# E501072		Job Number 010580007		1D 2D 3D Std				NM CO UT TX			
Project: Boundary Raider 7 Federal 214H				Address: 5315 Buena Vista Dr										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@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
9:46	1/10/2025	S	1	BH01 - 0'		1						X					
9:52	1/10/2025	S	1	BH01 - 1'		2						X					
10:02	1/10/2025	S	1	BH02 - 0'		3						X					
10:07	1/10/2025	S	1	BH02 - 1'		4						X					
10:19	1/10/2025	S	1	BH03 - 0'		5						X					
10:25	1/10/2025	S	1	BH03 - 1'		6						X					
10:31	1/10/2025	S	1	BH04 - 0'		7						X					
10:42	1/10/2025	S	1	BH04 - 1'		8						X					
10:47	1/10/2025	S	1	BH05 - 0'		9						X					
10:51	1/10/2025	S	1	BH05 - 1'		10						X					
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@dvn.com, iestrella@ensolum.com, chamilton@ensolum.com, bsimmons@ensolum.com oaderinto@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		1/13/25		8:05		Michelle Gonzales		1-13-25		0805							
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Lab Use Only					
Michelle Gonzales		1-13-25		1530		L.H.		1-13-25		1730		Received on ice: Y / N					
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		T1 T2 T3					
L.H.		1-13-25		2400		Caitlin Mauer		1-14-25		730							
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		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

Envirotech Analytical Laboratory

Printed: 1/14/2025 8:58:35AM

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:	01/14/25 07:30	Work Order ID:	E501072
Phone:	(505) 382-1211	Date Logged In:	01/13/25 14:05	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	01/20/25 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 Federal #214H

Work Order: E504037

Job Number: 23003-0002

Received: 4/5/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
4/11/25

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: 4/11/25



Ashley Giovengo
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Boundary Raider 7 Federal #214H
Workorder: E504037
Date Received: 4/5/2025 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/5/2025 8:00:00AM, under the Project Name: Boundary Raider 7 Federal #214H.

The analytical test results summarized in this report with the Project Name: Boundary Raider 7 Federal #214H 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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Sample Summary

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 7 Federal #214H Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 04/11/25 08:41
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS01-1'	E504037-01A	Soil	04/03/25	04/05/25	Glass Jar, 2 oz.
FS02-1'	E504037-02A	Soil	04/03/25	04/05/25	Glass Jar, 2 oz.
FS03-1'	E504037-03A	Soil	04/03/25	04/05/25	Glass Jar, 2 oz.
FS04-1'	E504037-04A	Soil	04/03/25	04/05/25	Glass Jar, 2 oz.
FS11-1'	E504037-05A	Soil	04/03/25	04/05/25	Glass Jar, 2 oz.
FS05-1'	E504037-06A	Soil	04/03/25	04/05/25	Glass Jar, 2 oz.
FS06-1'	E504037-07A	Soil	04/03/25	04/05/25	Glass Jar, 2 oz.
FS07-1'	E504037-08A	Soil	04/03/25	04/05/25	Glass Jar, 2 oz.
FS08-1'	E504037-09A	Soil	04/03/25	04/05/25	Glass Jar, 2 oz.
FS15-1'	E504037-10A	Soil	04/03/25	04/05/25	Glass Jar, 2 oz.
FS16-1'	E504037-11A	Soil	04/03/25	04/05/25	Glass Jar, 2 oz.
FS17-1'	E504037-12A	Soil	04/03/25	04/05/25	Glass Jar, 2 oz.
FS18-1'	E504037-13A	Soil	04/03/25	04/05/25	Glass Jar, 2 oz.
FS25-1'	E504037-14A	Soil	04/03/25	04/05/25	Glass Jar, 2 oz.
FS12-1'	E504037-15A	Soil	04/03/25	04/05/25	Glass Jar, 2 oz.
FS24-1'	E504037-16A	Soil	04/03/25	04/05/25	Glass Jar, 2 oz.
FS26-1'	E504037-17A	Soil	04/03/25	04/05/25	Glass Jar, 2 oz.



Sample Data

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

Project Name: Boundary Raider 7 Federal #214H
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
4/11/2025 8:41:15AM

FS01-1'

E504037-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2515012	
Benzene	ND	0.0250	1	04/07/25	04/08/25	
Ethylbenzene	ND	0.0250	1	04/07/25	04/08/25	
Toluene	ND	0.0250	1	04/07/25	04/08/25	
o-Xylene	ND	0.0250	1	04/07/25	04/08/25	
p,m-Xylene	ND	0.0500	1	04/07/25	04/08/25	
Total Xylenes	ND	0.0250	1	04/07/25	04/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		118 %	70-130	04/07/25	04/08/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2515012	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/07/25	04/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.2 %	70-130	04/07/25	04/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2515016	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/07/25	04/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/07/25	04/07/25	
<i>Surrogate: n-Nonane</i>		99.9 %	61-141	04/07/25	04/07/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2515004	
Chloride	76.4	20.0	1	04/07/25	04/07/25	



Sample Data

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

Project Name: Boundary Raider 7 Federal #214H
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
4/11/2025 8:41:15AM

FS02-1'

E504037-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2515012	
Benzene	ND	0.0250	1	04/07/25	04/08/25	
Ethylbenzene	ND	0.0250	1	04/07/25	04/08/25	
Toluene	ND	0.0250	1	04/07/25	04/08/25	
o-Xylene	ND	0.0250	1	04/07/25	04/08/25	
p,m-Xylene	ND	0.0500	1	04/07/25	04/08/25	
Total Xylenes	ND	0.0250	1	04/07/25	04/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		119 %	70-130	04/07/25	04/08/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2515012	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/07/25	04/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.0 %	70-130	04/07/25	04/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2515016	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/07/25	04/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/07/25	04/07/25	
<i>Surrogate: n-Nonane</i>		95.2 %	61-141	04/07/25	04/07/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2515004	
Chloride	53.7	20.0	1	04/07/25	04/07/25	



Sample Data

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

Project Name: Boundary Raider 7 Federal #214H
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
4/11/2025 8:41:15AM

FS03-1'

E504037-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2515012
Benzene	ND	0.0250	1	04/07/25	04/08/25	
Ethylbenzene	ND	0.0250	1	04/07/25	04/08/25	
Toluene	ND	0.0250	1	04/07/25	04/08/25	
o-Xylene	ND	0.0250	1	04/07/25	04/08/25	
p,m-Xylene	ND	0.0500	1	04/07/25	04/08/25	
Total Xylenes	ND	0.0250	1	04/07/25	04/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		120 %	70-130	04/07/25	04/08/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2515012
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/07/25	04/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.3 %	70-130	04/07/25	04/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2515016
Diesel Range Organics (C10-C28)	ND	25.0	1	04/07/25	04/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/07/25	04/07/25	
<i>Surrogate: n-Nonane</i>						
		91.7 %	61-141	04/07/25	04/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2515004
Chloride	205	20.0	1	04/07/25	04/07/25	



Sample Data

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

Project Name: Boundary Raider 7 Federal #214H
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
4/11/2025 8:41:15AM

FS04-1'

E504037-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2515012
Benzene	ND	0.0250	1	04/07/25	04/08/25	
Ethylbenzene	ND	0.0250	1	04/07/25	04/08/25	
Toluene	ND	0.0250	1	04/07/25	04/08/25	
o-Xylene	ND	0.0250	1	04/07/25	04/08/25	
p,m-Xylene	ND	0.0500	1	04/07/25	04/08/25	
Total Xylenes	ND	0.0250	1	04/07/25	04/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		121 %	70-130	04/07/25	04/08/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2515012
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/07/25	04/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.4 %	70-130	04/07/25	04/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2515016
Diesel Range Organics (C10-C28)	ND	25.0	1	04/07/25	04/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/07/25	04/07/25	
<i>Surrogate: n-Nonane</i>						
		93.3 %	61-141	04/07/25	04/07/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2515004
Chloride	262	20.0	1	04/07/25	04/07/25	



Sample Data

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

Project Name: Boundary Raider 7 Federal #214H
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
4/11/2025 8:41:15AM

FS11-1'

E504037-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2515012
Benzene	ND	0.0250	1	04/07/25	04/08/25	
Ethylbenzene	ND	0.0250	1	04/07/25	04/08/25	
Toluene	ND	0.0250	1	04/07/25	04/08/25	
o-Xylene	ND	0.0250	1	04/07/25	04/08/25	
p,m-Xylene	ND	0.0500	1	04/07/25	04/08/25	
Total Xylenes	ND	0.0250	1	04/07/25	04/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		121 %	70-130	04/07/25	04/08/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2515012
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/07/25	04/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.4 %	70-130	04/07/25	04/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2515016
Diesel Range Organics (C10-C28)	ND	25.0	1	04/07/25	04/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/07/25	04/08/25	
<i>Surrogate: n-Nonane</i>						
		93.2 %	61-141	04/07/25	04/08/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2515004
Chloride	153	20.0	1	04/07/25	04/07/25	



Sample Data

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

Project Name: Boundary Raider 7 Federal #214H
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
4/11/2025 8:41:15AM

FS05-1'

E504037-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2515012
Benzene	ND	0.0250	1	04/07/25	04/07/25	
Ethylbenzene	ND	0.0250	1	04/07/25	04/07/25	
Toluene	ND	0.0250	1	04/07/25	04/07/25	
o-Xylene	ND	0.0250	1	04/07/25	04/07/25	
p,m-Xylene	ND	0.0500	1	04/07/25	04/07/25	
Total Xylenes	ND	0.0250	1	04/07/25	04/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		117 %	70-130	04/07/25	04/07/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2515012
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/07/25	04/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.7 %	70-130	04/07/25	04/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2515016
Diesel Range Organics (C10-C28)	ND	25.0	1	04/07/25	04/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/07/25	04/08/25	
<i>Surrogate: n-Nonane</i>						
		93.3 %	61-141	04/07/25	04/08/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2515004
Chloride	195	20.0	1	04/07/25	04/07/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 7 Federal #214H Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 4/11/2025 8:41:15AM
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FS06-1'
E504037-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2515012	
Benzene	ND	0.0250	1	04/07/25	04/08/25	
Ethylbenzene	ND	0.0250	1	04/07/25	04/08/25	
Toluene	ND	0.0250	1	04/07/25	04/08/25	
o-Xylene	ND	0.0250	1	04/07/25	04/08/25	
p,m-Xylene	ND	0.0500	1	04/07/25	04/08/25	
Total Xylenes	ND	0.0250	1	04/07/25	04/08/25	
Surrogate: 4-Bromochlorobenzene-PID	121 %	70-130		04/07/25	04/08/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2515012	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/07/25	04/08/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	98.1 %	70-130		04/07/25	04/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2515016	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/07/25	04/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/07/25	04/08/25	
Surrogate: n-Nonane	92.3 %	61-141		04/07/25	04/08/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2515004	
Chloride	202	20.0	1	04/07/25	04/07/25	



Sample Data

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

Project Name: Boundary Raider 7 Federal #214H
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
4/11/2025 8:41:15AM

FS07-1'

E504037-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2515012
Benzene	ND	0.0250	1	04/07/25	04/08/25	
Ethylbenzene	ND	0.0250	1	04/07/25	04/08/25	
Toluene	ND	0.0250	1	04/07/25	04/08/25	
o-Xylene	ND	0.0250	1	04/07/25	04/08/25	
p,m-Xylene	ND	0.0500	1	04/07/25	04/08/25	
Total Xylenes	ND	0.0250	1	04/07/25	04/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		123 %	70-130	04/07/25	04/08/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2515012
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/07/25	04/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		99.1 %	70-130	04/07/25	04/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2515016
Diesel Range Organics (C10-C28)	32.3	25.0	1	04/07/25	04/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/07/25	04/08/25	
<i>Surrogate: n-Nonane</i>						
		91.8 %	61-141	04/07/25	04/08/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2515004
Chloride	46.3	20.0	1	04/07/25	04/07/25	



Sample Data

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

Project Name: Boundary Raider 7 Federal #214H
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
4/11/2025 8:41:15AM

FS08-1'

E504037-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2515012
Benzene	ND	0.0250	1	04/07/25	04/08/25	
Ethylbenzene	ND	0.0250	1	04/07/25	04/08/25	
Toluene	ND	0.0250	1	04/07/25	04/08/25	
o-Xylene	ND	0.0250	1	04/07/25	04/08/25	
p,m-Xylene	ND	0.0500	1	04/07/25	04/08/25	
Total Xylenes	ND	0.0250	1	04/07/25	04/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		122 %	70-130	04/07/25	04/08/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2515012
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/07/25	04/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		108 %	70-130	04/07/25	04/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2515016
Diesel Range Organics (C10-C28)	ND	25.0	1	04/07/25	04/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/07/25	04/08/25	
<i>Surrogate: n-Nonane</i>						
		91.0 %	61-141	04/07/25	04/08/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2515004
Chloride	209	20.0	1	04/07/25	04/07/25	



Sample Data

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

Project Name: Boundary Raider 7 Federal #214H
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
4/11/2025 8:41:15AM

FS15-1'

E504037-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2515012
Benzene	ND	0.0250	1	04/07/25	04/09/25	
Ethylbenzene	ND	0.0250	1	04/07/25	04/09/25	
Toluene	0.0250	0.0250	1	04/07/25	04/09/25	
o-Xylene	ND	0.0250	1	04/07/25	04/09/25	
p,m-Xylene	ND	0.0500	1	04/07/25	04/09/25	
Total Xylenes	ND	0.0250	1	04/07/25	04/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.5 %	70-130		04/07/25	04/09/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2515012
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/07/25	04/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	88.4 %	70-130		04/07/25	04/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2515016
Diesel Range Organics (C10-C28)	ND	25.0	1	04/07/25	04/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/07/25	04/08/25	
<i>Surrogate: n-Nonane</i>						
	95.2 %	61-141		04/07/25	04/08/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2515004
Chloride	73.7	20.0	1	04/07/25	04/07/25	



Sample Data

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

Project Name: Boundary Raider 7 Federal #214H
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
4/11/2025 8:41:15AM

FS16-1'

E504037-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2515012
Benzene	ND	0.0250	1	04/07/25	04/09/25	
Ethylbenzene	ND	0.0250	1	04/07/25	04/09/25	
Toluene	ND	0.0250	1	04/07/25	04/09/25	
o-Xylene	ND	0.0250	1	04/07/25	04/09/25	
p,m-Xylene	ND	0.0500	1	04/07/25	04/09/25	
Total Xylenes	ND	0.0250	1	04/07/25	04/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.8 %	70-130		04/07/25	04/09/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2515012
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/07/25	04/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.6 %	70-130		04/07/25	04/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2515016
Diesel Range Organics (C10-C28)	ND	25.0	1	04/07/25	04/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/07/25	04/08/25	
<i>Surrogate: n-Nonane</i>						
	97.1 %	61-141		04/07/25	04/08/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2515004
Chloride	57.3	20.0	1	04/07/25	04/07/25	



Sample Data

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

Project Name: Boundary Raider 7 Federal #214H
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
4/11/2025 8:41:15AM

FS17-1'

E504037-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2515012
Benzene	ND	0.0250	1	04/07/25	04/09/25	
Ethylbenzene	ND	0.0250	1	04/07/25	04/09/25	
Toluene	ND	0.0250	1	04/07/25	04/09/25	
o-Xylene	ND	0.0250	1	04/07/25	04/09/25	
p,m-Xylene	ND	0.0500	1	04/07/25	04/09/25	
Total Xylenes	ND	0.0250	1	04/07/25	04/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.5 %	70-130		04/07/25	04/09/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2515012
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/07/25	04/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.2 %	70-130		04/07/25	04/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2515016
Diesel Range Organics (C10-C28)	ND	25.0	1	04/07/25	04/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/07/25	04/08/25	
<i>Surrogate: n-Nonane</i>						
	97.2 %	61-141		04/07/25	04/08/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2515004
Chloride	38.3	20.0	1	04/07/25	04/07/25	



Sample Data

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

Project Name: Boundary Raider 7 Federal #214H
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
4/11/2025 8:41:15AM

FS18-1'

E504037-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2515012
Benzene	ND	0.0250	1	04/07/25	04/09/25	
Ethylbenzene	ND	0.0250	1	04/07/25	04/09/25	
Toluene	ND	0.0250	1	04/07/25	04/09/25	
o-Xylene	ND	0.0250	1	04/07/25	04/09/25	
p,m-Xylene	ND	0.0500	1	04/07/25	04/09/25	
Total Xylenes	ND	0.0250	1	04/07/25	04/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.1 %	70-130		04/07/25	04/09/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2515012
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/07/25	04/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.3 %	70-130		04/07/25	04/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2515016
Diesel Range Organics (C10-C28)	64.4	25.0	1	04/07/25	04/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/07/25	04/08/25	
<i>Surrogate: n-Nonane</i>						
	98.0 %	61-141		04/07/25	04/08/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2515004
Chloride	272	20.0	1	04/07/25	04/07/25	



Sample Data

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

Project Name: Boundary Raider 7 Federal #214H
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
4/11/2025 8:41:15AM

FS25-1'

E504037-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2515012
Benzene	ND	0.0250	1	04/07/25	04/09/25	
Ethylbenzene	ND	0.0250	1	04/07/25	04/09/25	
Toluene	ND	0.0250	1	04/07/25	04/09/25	
o-Xylene	ND	0.0250	1	04/07/25	04/09/25	
p,m-Xylene	ND	0.0500	1	04/07/25	04/09/25	
Total Xylenes	ND	0.0250	1	04/07/25	04/09/25	
Surrogate: 4-Bromochlorobenzene-PID	96.5 %	70-130		04/07/25	04/09/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2515012
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/07/25	04/09/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	90.3 %	70-130		04/07/25	04/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2515016
Diesel Range Organics (C10-C28)	ND	25.0	1	04/07/25	04/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/07/25	04/08/25	
Surrogate: n-Nonane	98.0 %	61-141		04/07/25	04/08/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2515004
Chloride	75.3	20.0	1	04/07/25	04/07/25	



Sample Data

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

Project Name: Boundary Raider 7 Federal #214H
Project Number: 23003-0002
Project Manager: Ashley Giovengo

Reported:
4/11/2025 8:41:15AM

FS12-1'

E504037-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2515012
Benzene	ND	0.0250	1	04/07/25	04/09/25	
Ethylbenzene	ND	0.0250	1	04/07/25	04/09/25	
Toluene	ND	0.0250	1	04/07/25	04/09/25	
o-Xylene	ND	0.0250	1	04/07/25	04/09/25	
p,m-Xylene	ND	0.0500	1	04/07/25	04/09/25	
Total Xylenes	ND	0.0250	1	04/07/25	04/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.3 %	70-130		04/07/25	04/09/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2515012
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/07/25	04/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	88.9 %	70-130		04/07/25	04/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2515016
Diesel Range Organics (C10-C28)	ND	25.0	1	04/07/25	04/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/07/25	04/08/25	
<i>Surrogate: n-Nonane</i>						
	95.2 %	61-141		04/07/25	04/08/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2515004
Chloride	260	20.0	1	04/07/25	04/07/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 7 Federal #214H Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 4/11/2025 8:41:15AM
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FS24-1'

E504037-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2515012	
Benzene	ND	0.0250	1	04/07/25	04/09/25	
Ethylbenzene	ND	0.0250	1	04/07/25	04/09/25	
Toluene	ND	0.0250	1	04/07/25	04/09/25	
o-Xylene	ND	0.0250	1	04/07/25	04/09/25	
p,m-Xylene	ND	0.0500	1	04/07/25	04/09/25	
Total Xylenes	ND	0.0250	1	04/07/25	04/09/25	
Surrogate: 4-Bromochlorobenzene-PID	95.8 %	70-130		04/07/25	04/09/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2515012	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/07/25	04/09/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	89.4 %	70-130		04/07/25	04/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2515016	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/07/25	04/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/07/25	04/08/25	
Surrogate: n-Nonane	96.4 %	61-141		04/07/25	04/08/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2515004	
Chloride	256	20.0	1	04/07/25	04/07/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 7 Federal #214H Project Number: 23003-0002 Project Manager: Ashley Giovengo	Reported: 4/11/2025 8:41:15AM
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FS26-1'
E504037-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2515012	
Benzene	ND	0.0250	1	04/07/25	04/09/25	
Ethylbenzene	ND	0.0250	1	04/07/25	04/09/25	
Toluene	ND	0.0250	1	04/07/25	04/09/25	
o-Xylene	ND	0.0250	1	04/07/25	04/09/25	
p,m-Xylene	ND	0.0500	1	04/07/25	04/09/25	
Total Xylenes	ND	0.0250	1	04/07/25	04/09/25	
Surrogate: 4-Bromochlorobenzene-PID	96.4 %	70-130		04/07/25	04/09/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2515012	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/07/25	04/09/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	88.9 %	70-130		04/07/25	04/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2515016	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/07/25	04/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/07/25	04/08/25	
Surrogate: n-Nonane	95.2 %	61-141		04/07/25	04/08/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2515004	
Chloride	295	20.0	1	04/07/25	04/07/25	



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Boundary Raider 7 Federal #214H	Reported:
6488 7 Rivers Hwy	Project Number:	23003-0002	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	4/11/2025 8:41:15AM

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 (2515012-BLK1)

Prepared: 04/07/25 Analyzed: 04/07/25

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	9.06		8.00		113	70-130			

LCS (2515012-BS1)

Prepared: 04/07/25 Analyzed: 04/07/25

Benzene	5.06	0.0250	5.00		101	70-130			
Ethylbenzene	4.88	0.0250	5.00		97.6	70-130			
Toluene	5.03	0.0250	5.00		101	70-130			
o-Xylene	4.87	0.0250	5.00		97.4	70-130			
p,m-Xylene	9.88	0.0500	10.0		98.8	70-130			
Total Xylenes	14.7	0.0250	15.0		98.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	9.23		8.00		115	70-130			

Matrix Spike (2515012-MS1)

Source: E504037-06

Prepared: 04/07/25 Analyzed: 04/07/25

Benzene	4.64	0.0250	5.00	ND	92.9	70-130			
Ethylbenzene	4.51	0.0250	5.00	ND	90.2	70-130			
Toluene	4.63	0.0250	5.00	ND	92.6	70-130			
o-Xylene	4.50	0.0250	5.00	ND	90.0	70-130			
p,m-Xylene	9.16	0.0500	10.0	ND	91.6	70-130			
Total Xylenes	13.7	0.0250	15.0	ND	91.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	9.56		8.00		119	70-130			

Matrix Spike Dup (2515012-MSD1)

Source: E504037-06

Prepared: 04/07/25 Analyzed: 04/07/25

Benzene	4.90	0.0250	5.00	ND	98.1	70-130	5.46	27	
Ethylbenzene	4.75	0.0250	5.00	ND	95.0	70-130	5.18	26	
Toluene	4.88	0.0250	5.00	ND	97.5	70-130	5.19	20	
o-Xylene	4.74	0.0250	5.00	ND	94.7	70-130	5.09	25	
p,m-Xylene	9.64	0.0500	10.0	ND	96.4	70-130	5.04	23	
Total Xylenes	14.4	0.0250	15.0	ND	95.8	70-130	5.05	26	
Surrogate: 4-Bromochlorobenzene-PID	9.57		8.00		120	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Boundary Raider 7 Federal #214H	Reported:
6488 7 Rivers Hwy	Project Number:	23003-0002	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	4/11/2025 8:41:15AM

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 (2515012-BLK1)

Prepared: 04/07/25 Analyzed: 04/07/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.56		8.00		94.5	70-130			

LCS (2515012-BS2)

Prepared: 04/07/25 Analyzed: 04/07/25

Gasoline Range Organics (C6-C10)	39.1	20.0	50.0		78.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.61		8.00		95.1	70-130			

Matrix Spike (2515012-MS2)

Source: E504037-06

Prepared: 04/07/25 Analyzed: 04/08/25

Gasoline Range Organics (C6-C10)	41.7	20.0	50.0	ND	83.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.57		8.00		94.6	70-130			

Matrix Spike Dup (2515012-MSD2)

Source: E504037-06

Prepared: 04/07/25 Analyzed: 04/08/25

Gasoline Range Organics (C6-C10)	40.9	20.0	50.0	ND	81.9	70-130	1.89	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.60		8.00		95.0	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Boundary Raider 7 Federal #214H	Reported:
6488 7 Rivers Hwy	Project Number:	23003-0002	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	4/11/2025 8:41:15AM

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 (2515016-BLK1)					Prepared: 04/07/25 Analyzed: 04/07/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	47.4		50.0		94.8	61-141			

LCS (2515016-BS1)					Prepared: 04/07/25 Analyzed: 04/07/25				
Diesel Range Organics (C10-C28)	238	25.0	250		95.1	66-144			
Surrogate: n-Nonane	47.4		50.0		94.7	61-141			

Matrix Spike (2515016-MS1)					Source: E504037-02		Prepared: 04/07/25 Analyzed: 04/07/25		
Diesel Range Organics (C10-C28)	255	25.0	250	ND	102	56-156			
Surrogate: n-Nonane	51.1		50.0		102	61-141			

Matrix Spike Dup (2515016-MSD1)					Source: E504037-02		Prepared: 04/07/25 Analyzed: 04/07/25		
Diesel Range Organics (C10-C28)	256	25.0	250	ND	102	56-156	0.384	20	
Surrogate: n-Nonane	51.7		50.0		103	61-141			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Boundary Raider 7 Federal #214H	Reported:
6488 7 Rivers Hwy	Project Number:	23003-0002	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	4/11/2025 8:41:15AM

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 (2515004-BLK1)					Prepared: 04/07/25 Analyzed: 04/07/25				
Chloride	ND	20.0							
LCS (2515004-BS1)					Prepared: 04/07/25 Analyzed: 04/07/25				
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2515004-MS1)					Source: E504037-07		Prepared: 04/07/25 Analyzed: 04/07/25		
Chloride	454	20.0	250	202	101	80-120			
Matrix Spike Dup (2515004-MSD1)					Source: E504037-07		Prepared: 04/07/25 Analyzed: 04/07/25		
Chloride	452	20.0	250	202	100	80-120	0.515	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 Federal #214H	
6488 7 Rivers Hwy	Project Number:	23003-0002	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	04/11/25 08:41

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.
- Note (1): Methods marked with ** are non-accredited methods.
- Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Chain of Custody

Page 1 of 2

Client Information				Invoice Information		Lab Use Only		TAT				State																					
Client: Devon				Company: Devon		Lab WO# E504037		Job Number 23003-002		1D 2D 3D Std X				NM CO UT TX X																			
Project: Boundary Raider 7 Fed 214H				Address: 5315 Buena Vista Dr		City, State, Zip: Carlsbad NM, 88220		Phone: (575)689-7597		Email: jim.raley@dv.com		Miscellaneous: Jim Raley		Analysis and Method		EPA Program																	
Project Manager: Ashley Giovengo				Address: 3122 National Parks Hwy		City, State, Zip: Carlsbad NM, 88220		Phone: 575-988-0055		Email: agiovengo@ensolum.com		DRO/ORO by 8015		GRO/DRO by 8015		BTEX by 8021		VOC by 8260		Chloride 300.0		BGDOC - NM		TCED 1005 - TX		RCRA 8 Metals		SDWA		CWA		RCRA	
Sample Information				Time Sampled		Date Sampled		Matrix		No. of Containers		Sample ID		Field Filter		Lab Number		Compliance		Y		or		N		PWSID #		Remarks					
1238				4/3/25		Soil		1		FS01-1'		1		X																			
1240										02		2		X																			
1242										03		3		X																			
1243										04		4		X																			
1245										11		5		X																			
1250										05		6		X																			
1252										06		7		X																			
1253										07		8		X																			
1255										08		9		X																			
1259										15		10		X																			
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@dv.com, chamilton@ensolum.com, iestrella@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: _Israel Estrella																																	
Relinquished by: (Signature) <u>[Signature]</u> Date <u>4/4/25</u> Time <u>7:11</u> Received by: (Signature) <u>Michelle Gonzales</u> Date <u>4-4-25</u> Time <u>0711</u>																																	
Relinquished by: (Signature) <u>Michelle Gonzales</u> Date <u>4-4-25</u> Time <u>1430</u> Received by: (Signature) <u>[Signature]</u> Date <u>4-4-25</u> Time <u>1630</u>																																	
Relinquished by: (Signature) <u>[Signature]</u> Date <u>4-4-25</u> Time <u>2300</u> Received by: (Signature) <u>[Signature]</u> Date <u>4-5-25</u> Time <u>800</u>																																	
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 2 of 2

Received by OCD: 5/20/2025 7:45:21 AM

03 of 62 Page 1

Page 125 of 220

Client Information				Invoice Information		Lab Use Only		TAT				State					
Client: Devon				Company: Devon		Lab WO#		1D 2D 3D Std				NM CO UT TX					
Project: Boundary Raider 7 Fed 214H				Address: 5315 Buena Vista Dr		E504037		Job Number 23003-0002				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			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRQ/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA
1258	4/3/25	soil	1	FS16-1'		11						X					
1314				17		12						X					
1312				18		13						X					
1316				25		14						X					
1420				12		15						X					
1423				24		16						X					
1427				26		17						X					
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@dv.com, chamilton@ensolum.com, iestrella@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: _Israel Estrella																	
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: <u>Y</u> / N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>									
<u>Israel Estrella</u>		4/4/25	7:11	<u>Michelle Gonzales</u>		4-4-25	0711										
<u>Michelle Gonzales</u>		4-4-25	1430	<u>John H.</u>		4-4-25	1630										
<u>John H.</u>		4-4-25	2300	<u>Chelly Mann</u>		4-5-25	800										
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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Envirotech Analytical Laboratory

Printed: 4/7/2025 8:30:54AM

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:	04/05/25 08:00	Work Order ID:	E504037
Phone:	(505) 382-1211	Date Logged In:	04/04/25 15:00	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	04/11/25 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



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name: Boundary Raider 7 Fed 214H

Work Order: E504047

Job Number: 01058-0007

Received: 4/8/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
4/14/25

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: 4/14/25



Ashley Giovengo
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Boundary Raider 7 Fed 214H
Workorder: E504047
Date Received: 4/8/2025 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/8/2025 8:00:00AM, under the Project Name: Boundary Raider 7 Fed 214H.

The analytical test results summarized in this report with the Project Name: Boundary Raider 7 Fed 214H 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
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
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Sample Summary

Devon Energy - Carlsbad	Project Name:	Boundary Raider 7 Fed 214H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	04/14/25 08:27

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS27-1'	E504047-01A	Soil	04/04/25	04/08/25	Glass Jar, 2 oz.
FS28-1'	E504047-02A	Soil	04/04/25	04/08/25	Glass Jar, 2 oz.
FS29-1'	E504047-03A	Soil	04/04/25	04/08/25	Glass Jar, 2 oz.
FS30-1'	E504047-04A	Soil	04/04/25	04/08/25	Glass Jar, 2 oz.
FS31-1'	E504047-05A	Soil	04/04/25	04/08/25	Glass Jar, 2 oz.
FS32-1'	E504047-06A	Soil	04/04/25	04/08/25	Glass Jar, 2 oz.
FS33-1'	E504047-07A	Soil	04/04/25	04/08/25	Glass Jar, 2 oz.
FS34-1'	E504047-08A	Soil	04/04/25	04/08/25	Glass Jar, 2 oz.
FS35-1'	E504047-09A	Soil	04/04/25	04/08/25	Glass Jar, 2 oz.
FS36-1'	E504047-10A	Soil	04/04/25	04/08/25	Glass Jar, 2 oz.
FS37-1'	E504047-11A	Soil	04/04/25	04/08/25	Glass Jar, 2 oz.
FS38-1'	E504047-12A	Soil	04/04/25	04/08/25	Glass Jar, 2 oz.
FS09-2'	E504047-13A	Soil	04/04/25	04/08/25	Glass Jar, 2 oz.
FS10-2'	E504047-14A	Soil	04/04/25	04/08/25	Glass Jar, 2 oz.
FS13-2'	E504047-15A	Soil	04/04/25	04/08/25	Glass Jar, 2 oz.
FS14-2'	E504047-16A	Soil	04/04/25	04/08/25	Glass Jar, 2 oz.
FS19-2'	E504047-17A	Soil	04/04/25	04/08/25	Glass Jar, 2 oz.
FS20-2'	E504047-18A	Soil	04/04/25	04/08/25	Glass Jar, 2 oz.
FS22-2'	E504047-19A	Soil	04/04/25	04/08/25	Glass Jar, 2 oz.
FS23-2'	E504047-20A	Soil	04/04/25	04/08/25	Glass Jar, 2 oz.



Sample Data

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

Project Name: Boundary Raider 7 Fed 214H
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
4/14/2025 8:27:10AM

FS27-1'

E504047-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2515031	
Benzene	ND	0.0250	1	04/08/25	04/08/25	
Ethylbenzene	ND	0.0250	1	04/08/25	04/08/25	
Toluene	ND	0.0250	1	04/08/25	04/08/25	
o-Xylene	ND	0.0250	1	04/08/25	04/08/25	
p,m-Xylene	ND	0.0500	1	04/08/25	04/08/25	
Total Xylenes	ND	0.0250	1	04/08/25	04/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	97.4 %	70-130		04/08/25	04/08/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2515031	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/08/25	04/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	96.1 %	70-130		04/08/25	04/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2515035	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/08/25	04/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/08/25	04/08/25	
<i>Surrogate: n-Nonane</i>	97.9 %	61-141		04/08/25	04/08/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2515037	
Chloride	127	20.0	1	04/08/25	04/08/25	



Sample Data

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

Project Name: Boundary Raider 7 Fed 214H
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
4/14/2025 8:27:10AM

FS28-1'

E504047-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2515031
Benzene	ND	0.0250	1	04/08/25	04/08/25	
Ethylbenzene	ND	0.0250	1	04/08/25	04/08/25	
Toluene	ND	0.0250	1	04/08/25	04/08/25	
o-Xylene	ND	0.0250	1	04/08/25	04/08/25	
p,m-Xylene	ND	0.0500	1	04/08/25	04/08/25	
Total Xylenes	ND	0.0250	1	04/08/25	04/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.9 %	70-130		04/08/25	04/08/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2515031
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/08/25	04/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	99.4 %	70-130		04/08/25	04/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2515035
Diesel Range Organics (C10-C28)	ND	25.0	1	04/08/25	04/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/08/25	04/08/25	
<i>Surrogate: n-Nonane</i>						
	96.5 %	61-141		04/08/25	04/08/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2515037
Chloride	77.1	20.0	1	04/08/25	04/08/25	



Sample Data

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

Project Name: Boundary Raider 7 Fed 214H
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
4/14/2025 8:27:10AM

FS29-1'

E504047-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2515031
Benzene	ND	0.0250	1	04/08/25	04/08/25	
Ethylbenzene	ND	0.0250	1	04/08/25	04/08/25	
Toluene	ND	0.0250	1	04/08/25	04/08/25	
o-Xylene	ND	0.0250	1	04/08/25	04/08/25	
p,m-Xylene	ND	0.0500	1	04/08/25	04/08/25	
Total Xylenes	ND	0.0250	1	04/08/25	04/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.8 %	70-130		04/08/25	04/08/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2515031
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/08/25	04/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.7 %	70-130		04/08/25	04/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2515035
Diesel Range Organics (C10-C28)	ND	25.0	1	04/08/25	04/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/08/25	04/08/25	
<i>Surrogate: n-Nonane</i>						
	96.9 %	61-141		04/08/25	04/08/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2515037
Chloride	117	20.0	1	04/08/25	04/08/25	



Sample Data

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

Project Name: Boundary Raider 7 Fed 214H
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
4/14/2025 8:27:10AM

FS30-1'

E504047-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2515031
Benzene	ND	0.0250	1	04/08/25	04/08/25	
Ethylbenzene	ND	0.0250	1	04/08/25	04/08/25	
Toluene	ND	0.0250	1	04/08/25	04/08/25	
o-Xylene	ND	0.0250	1	04/08/25	04/08/25	
p,m-Xylene	ND	0.0500	1	04/08/25	04/08/25	
Total Xylenes	ND	0.0250	1	04/08/25	04/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.8 %	70-130		04/08/25	04/08/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2515031
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/08/25	04/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	98.2 %	70-130		04/08/25	04/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2515035
Diesel Range Organics (C10-C28)	ND	25.0	1	04/08/25	04/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/08/25	04/08/25	
<i>Surrogate: n-Nonane</i>						
	98.8 %	61-141		04/08/25	04/08/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2515037
Chloride	ND	20.0	1	04/08/25	04/08/25	



Sample Data

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

Project Name: Boundary Raider 7 Fed 214H
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
4/14/2025 8:27:10AM

FS31-1'

E504047-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2515031
Benzene	ND	0.0250	1	04/08/25	04/08/25	
Ethylbenzene	ND	0.0250	1	04/08/25	04/08/25	
Toluene	ND	0.0250	1	04/08/25	04/08/25	
o-Xylene	ND	0.0250	1	04/08/25	04/08/25	
p,m-Xylene	ND	0.0500	1	04/08/25	04/08/25	
Total Xylenes	ND	0.0250	1	04/08/25	04/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.1 %	70-130		04/08/25	04/08/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2515031
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/08/25	04/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.4 %	70-130		04/08/25	04/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2515035
Diesel Range Organics (C10-C28)	ND	25.0	1	04/08/25	04/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/08/25	04/08/25	
<i>Surrogate: n-Nonane</i>						
	96.7 %	61-141		04/08/25	04/08/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2515037
Chloride	125	20.0	1	04/08/25	04/08/25	



Sample Data

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

Project Name: Boundary Raider 7 Fed 214H
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
4/14/2025 8:27:10AM

FS32-1'

E504047-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2515031
Benzene	ND	0.0250	1	04/08/25	04/08/25	
Ethylbenzene	ND	0.0250	1	04/08/25	04/08/25	
Toluene	ND	0.0250	1	04/08/25	04/08/25	
o-Xylene	ND	0.0250	1	04/08/25	04/08/25	
p,m-Xylene	ND	0.0500	1	04/08/25	04/08/25	
Total Xylenes	ND	0.0250	1	04/08/25	04/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.8 %	70-130		04/08/25	04/08/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2515031
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/08/25	04/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.5 %	70-130		04/08/25	04/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2515035
Diesel Range Organics (C10-C28)	ND	25.0	1	04/08/25	04/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/08/25	04/08/25	
<i>Surrogate: n-Nonane</i>						
	95.2 %	61-141		04/08/25	04/08/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2515037
Chloride	85.5	20.0	1	04/08/25	04/08/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 7 Fed 214H Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 4/14/2025 8:27:10AM
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FS33-1'

E504047-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2515031
Benzene	ND	0.0250	1	04/08/25	04/08/25	
Ethylbenzene	ND	0.0250	1	04/08/25	04/08/25	
Toluene	ND	0.0250	1	04/08/25	04/08/25	
o-Xylene	ND	0.0250	1	04/08/25	04/08/25	
p,m-Xylene	ND	0.0500	1	04/08/25	04/08/25	
Total Xylenes	ND	0.0250	1	04/08/25	04/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.9 %	70-130		04/08/25	04/08/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2515031
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/08/25	04/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.5 %	70-130		04/08/25	04/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2515035
Diesel Range Organics (C10-C28)	ND	25.0	1	04/08/25	04/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/08/25	04/08/25	
<i>Surrogate: n-Nonane</i>						
	98.1 %	61-141		04/08/25	04/08/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2515037
Chloride	62.5	20.0	1	04/08/25	04/08/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 7 Fed 214H Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 4/14/2025 8:27:10AM
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FS34-1'
E504047-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2515031	
Benzene	ND	0.0250	1	04/08/25	04/08/25	
Ethylbenzene	ND	0.0250	1	04/08/25	04/08/25	
Toluene	ND	0.0250	1	04/08/25	04/08/25	
o-Xylene	ND	0.0250	1	04/08/25	04/08/25	
p,m-Xylene	ND	0.0500	1	04/08/25	04/08/25	
Total Xylenes	ND	0.0250	1	04/08/25	04/08/25	
Surrogate: 4-Bromochlorobenzene-PID	99.7 %	70-130		04/08/25	04/08/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2515031	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/08/25	04/08/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	93.9 %	70-130		04/08/25	04/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2515035	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/08/25	04/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/08/25	04/08/25	
Surrogate: n-Nonane	97.8 %	61-141		04/08/25	04/08/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2515037	
Chloride	44.8	20.0	1	04/08/25	04/08/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 7 Fed 214H Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 4/14/2025 8:27:10AM
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FS35-1'
E504047-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2515031	
Benzene	ND	0.0250	1	04/08/25	04/08/25	
Ethylbenzene	ND	0.0250	1	04/08/25	04/08/25	
Toluene	ND	0.0250	1	04/08/25	04/08/25	
o-Xylene	ND	0.0250	1	04/08/25	04/08/25	
p,m-Xylene	ND	0.0500	1	04/08/25	04/08/25	
Total Xylenes	ND	0.0250	1	04/08/25	04/08/25	
Surrogate: 4-Bromochlorobenzene-PID	99.2 %	70-130		04/08/25	04/08/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2515031	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/08/25	04/08/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	96.6 %	70-130		04/08/25	04/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2515035	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/08/25	04/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/08/25	04/08/25	
Surrogate: n-Nonane	95.9 %	61-141		04/08/25	04/08/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2515037	
Chloride	30.2	20.0	1	04/08/25	04/08/25	



Sample Data

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

Project Name: Boundary Raider 7 Fed 214H
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
4/14/2025 8:27:10AM

FS36-1'

E504047-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2515031
Benzene	ND	0.0250	1	04/08/25	04/08/25	
Ethylbenzene	ND	0.0250	1	04/08/25	04/08/25	
Toluene	ND	0.0250	1	04/08/25	04/08/25	
o-Xylene	ND	0.0250	1	04/08/25	04/08/25	
p,m-Xylene	ND	0.0500	1	04/08/25	04/08/25	
Total Xylenes	ND	0.0250	1	04/08/25	04/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.0 %	70-130		04/08/25	04/08/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2515031
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/08/25	04/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.8 %	70-130		04/08/25	04/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2515035
Diesel Range Organics (C10-C28)	ND	25.0	1	04/08/25	04/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/08/25	04/08/25	
<i>Surrogate: n-Nonane</i>						
	97.1 %	61-141		04/08/25	04/08/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2515037
Chloride	33.8	20.0	1	04/08/25	04/08/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 7 Fed 214H Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 4/14/2025 8:27:10AM
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FS37-1'

E504047-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2515031	
Benzene	ND	0.0250	1	04/08/25	04/08/25	
Ethylbenzene	ND	0.0250	1	04/08/25	04/08/25	
Toluene	ND	0.0250	1	04/08/25	04/08/25	
o-Xylene	ND	0.0250	1	04/08/25	04/08/25	
p,m-Xylene	ND	0.0500	1	04/08/25	04/08/25	
Total Xylenes	ND	0.0250	1	04/08/25	04/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.6 %	70-130		04/08/25	04/08/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2515031	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/08/25	04/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	98.3 %	70-130		04/08/25	04/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2515035	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/08/25	04/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/08/25	04/08/25	
<i>Surrogate: n-Nonane</i>						
	97.2 %	61-141		04/08/25	04/08/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2515037	
Chloride	ND	20.0	1	04/08/25	04/08/25	



Sample Data

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

Project Name: Boundary Raider 7 Fed 214H
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
4/14/2025 8:27:10AM

FS38-1'

E504047-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2515031
Benzene	ND	0.0250	1	04/08/25	04/08/25	
Ethylbenzene	ND	0.0250	1	04/08/25	04/08/25	
Toluene	ND	0.0250	1	04/08/25	04/08/25	
o-Xylene	ND	0.0250	1	04/08/25	04/08/25	
p,m-Xylene	ND	0.0500	1	04/08/25	04/08/25	
Total Xylenes	ND	0.0250	1	04/08/25	04/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.4 %	70-130		04/08/25	04/08/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2515031
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/08/25	04/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.3 %	70-130		04/08/25	04/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2515035
Diesel Range Organics (C10-C28)	ND	25.0	1	04/08/25	04/08/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/08/25	04/08/25	
<i>Surrogate: n-Nonane</i>						
	99.4 %	61-141		04/08/25	04/08/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2515037
Chloride	32.5	20.0	1	04/08/25	04/08/25	



Sample Data

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

Project Name: Boundary Raider 7 Fed 214H
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
4/14/2025 8:27:10AM

FS09-2'

E504047-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2515031	
Benzene	ND	0.0250	1	04/08/25	04/08/25	
Ethylbenzene	ND	0.0250	1	04/08/25	04/08/25	
Toluene	ND	0.0250	1	04/08/25	04/08/25	
o-Xylene	ND	0.0250	1	04/08/25	04/08/25	
p,m-Xylene	ND	0.0500	1	04/08/25	04/08/25	
Total Xylenes	ND	0.0250	1	04/08/25	04/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	04/08/25	04/08/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2515031	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/08/25	04/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.8 %	70-130	04/08/25	04/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2515035	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/08/25	04/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/08/25	04/09/25	
<i>Surrogate: n-Nonane</i>		99.7 %	61-141	04/08/25	04/09/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2515037	
Chloride	131	20.0	1	04/08/25	04/08/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Boundary Raider 7 Fed 214H Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 4/14/2025 8:27:10AM
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FS10-2'

E504047-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2515031	
Benzene	ND	0.0250	1	04/08/25	04/08/25	
Ethylbenzene	ND	0.0250	1	04/08/25	04/08/25	
Toluene	ND	0.0250	1	04/08/25	04/08/25	
o-Xylene	ND	0.0250	1	04/08/25	04/08/25	
p,m-Xylene	ND	0.0500	1	04/08/25	04/08/25	
Total Xylenes	ND	0.0250	1	04/08/25	04/08/25	
Surrogate: 4-Bromochlorobenzene-PID	100 %	70-130		04/08/25	04/08/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2515031	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/08/25	04/08/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	95.7 %	70-130		04/08/25	04/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2515035	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/08/25	04/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/08/25	04/09/25	
Surrogate: n-Nonane	100 %	61-141		04/08/25	04/09/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2515037	
Chloride	62.3	20.0	1	04/08/25	04/08/25	



Sample Data

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

Project Name: Boundary Raider 7 Fed 214H
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
4/14/2025 8:27:10AM

FS13-2'

E504047-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2515031
Benzene	ND	0.0250	1	04/08/25	04/08/25	
Ethylbenzene	ND	0.0250	1	04/08/25	04/08/25	
Toluene	ND	0.0250	1	04/08/25	04/08/25	
o-Xylene	ND	0.0250	1	04/08/25	04/08/25	
p,m-Xylene	ND	0.0500	1	04/08/25	04/08/25	
Total Xylenes	ND	0.0250	1	04/08/25	04/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.4 %	70-130		04/08/25	04/08/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2515031
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/08/25	04/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.1 %	70-130		04/08/25	04/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2515035
Diesel Range Organics (C10-C28)	ND	25.0	1	04/08/25	04/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/08/25	04/09/25	
<i>Surrogate: n-Nonane</i>						
	99.8 %	61-141		04/08/25	04/09/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2515037
Chloride	492	20.0	1	04/08/25	04/08/25	



Sample Data

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

Project Name: Boundary Raider 7 Fed 214H
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
4/14/2025 8:27:10AM

FS14-2'

E504047-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2515031
Benzene	ND	0.0250	1	04/08/25	04/08/25	
Ethylbenzene	ND	0.0250	1	04/08/25	04/08/25	
Toluene	ND	0.0250	1	04/08/25	04/08/25	
o-Xylene	ND	0.0250	1	04/08/25	04/08/25	
p,m-Xylene	ND	0.0500	1	04/08/25	04/08/25	
Total Xylenes	ND	0.0250	1	04/08/25	04/08/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.8 %	70-130		04/08/25	04/08/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2515031
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/08/25	04/08/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.4 %	70-130		04/08/25	04/08/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2515035
Diesel Range Organics (C10-C28)	ND	25.0	1	04/08/25	04/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/08/25	04/09/25	
<i>Surrogate: n-Nonane</i>						
	97.2 %	61-141		04/08/25	04/09/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2515037
Chloride	206	20.0	1	04/08/25	04/08/25	



Sample Data

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

Project Name: Boundary Raider 7 Fed 214H
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
4/14/2025 8:27:10AM

FS19-2'

E504047-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2515031
Benzene	ND	0.0250	1	04/08/25	04/09/25	
Ethylbenzene	ND	0.0250	1	04/08/25	04/09/25	
Toluene	ND	0.0250	1	04/08/25	04/09/25	
o-Xylene	ND	0.0250	1	04/08/25	04/09/25	
p,m-Xylene	ND	0.0500	1	04/08/25	04/09/25	
Total Xylenes	ND	0.0250	1	04/08/25	04/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	04/08/25	04/09/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2515031
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/08/25	04/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.0 %	70-130	04/08/25	04/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2515035
Diesel Range Organics (C10-C28)	ND	25.0	1	04/08/25	04/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/08/25	04/09/25	
<i>Surrogate: n-Nonane</i>						
		97.5 %	61-141	04/08/25	04/09/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2515037
Chloride	260	20.0	1	04/08/25	04/08/25	



Sample Data

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

Project Name: Boundary Raider 7 Fed 214H
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
4/14/2025 8:27:10AM

FS20-2'

E504047-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2515031
Benzene	ND	0.0250	1	04/08/25	04/09/25	
Ethylbenzene	ND	0.0250	1	04/08/25	04/09/25	
Toluene	ND	0.0250	1	04/08/25	04/09/25	
o-Xylene	ND	0.0250	1	04/08/25	04/09/25	
p,m-Xylene	ND	0.0500	1	04/08/25	04/09/25	
Total Xylenes	ND	0.0250	1	04/08/25	04/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	04/08/25	04/09/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2515031
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/08/25	04/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.6 %	70-130	04/08/25	04/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2515035
Diesel Range Organics (C10-C28)	ND	25.0	1	04/08/25	04/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/08/25	04/09/25	
<i>Surrogate: n-Nonane</i>						
		99.6 %	61-141	04/08/25	04/09/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2515037
Chloride	49.8	20.0	1	04/08/25	04/08/25	



Sample Data

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

Project Name: Boundary Raider 7 Fed 214H
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
4/14/2025 8:27:10AM

FS22-2'

E504047-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2515031
Benzene	ND	0.0250	1	04/08/25	04/09/25	
Ethylbenzene	ND	0.0250	1	04/08/25	04/09/25	
Toluene	ND	0.0250	1	04/08/25	04/09/25	
o-Xylene	ND	0.0250	1	04/08/25	04/09/25	
p,m-Xylene	ND	0.0500	1	04/08/25	04/09/25	
Total Xylenes	ND	0.0250	1	04/08/25	04/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.7 %	70-130		04/08/25	04/09/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2515031
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/08/25	04/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.2 %	70-130		04/08/25	04/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2515035
Diesel Range Organics (C10-C28)	ND	25.0	1	04/08/25	04/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/08/25	04/09/25	
<i>Surrogate: n-Nonane</i>						
	113 %	61-141		04/08/25	04/09/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2515037
Chloride	180	20.0	1	04/08/25	04/08/25	



Sample Data

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

Project Name: Boundary Raider 7 Fed 214H
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
4/14/2025 8:27:10AM

FS23-2'

E504047-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2515031
Benzene	ND	0.0250	1	04/08/25	04/09/25	
Ethylbenzene	ND	0.0250	1	04/08/25	04/09/25	
Toluene	ND	0.0250	1	04/08/25	04/09/25	
o-Xylene	ND	0.0250	1	04/08/25	04/09/25	
p,m-Xylene	ND	0.0500	1	04/08/25	04/09/25	
Total Xylenes	ND	0.0250	1	04/08/25	04/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	04/08/25	04/09/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2515031
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/08/25	04/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		97.4 %	70-130	04/08/25	04/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2515035
Diesel Range Organics (C10-C28)	ND	25.0	1	04/08/25	04/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/08/25	04/09/25	
<i>Surrogate: n-Nonane</i>						
		106 %	61-141	04/08/25	04/09/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2515037
Chloride	354	20.0	1	04/08/25	04/08/25	



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Boundary Raider 7 Fed 214H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	4/14/2025 8:27:10AM

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 (2515031-BLK1)

Prepared: 04/08/25 Analyzed: 04/08/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.77		8.00		97.1	70-130			

LCS (2515031-BS1)

Prepared: 04/08/25 Analyzed: 04/08/25

Benzene	3.69	0.0250	5.00		73.9	70-130			
Ethylbenzene	3.69	0.0250	5.00		73.8	70-130			
Toluene	3.75	0.0250	5.00		75.0	70-130			
o-Xylene	3.69	0.0250	5.00		73.9	70-130			
p,m-Xylene	7.44	0.0500	10.0		74.4	70-130			
Total Xylenes	11.1	0.0250	15.0		74.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.53		8.00		94.1	70-130			

Matrix Spike (2515031-MS1)

Source: E504047-05

Prepared: 04/08/25 Analyzed: 04/08/25

Benzene	3.90	0.0250	5.00	ND	77.9	70-130			
Ethylbenzene	3.90	0.0250	5.00	ND	77.9	70-130			
Toluene	3.96	0.0250	5.00	ND	79.2	70-130			
o-Xylene	3.92	0.0250	5.00	ND	78.4	70-130			
p,m-Xylene	7.85	0.0500	10.0	ND	78.5	70-130			
Total Xylenes	11.8	0.0250	15.0	ND	78.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.92		8.00		98.9	70-130			

Matrix Spike Dup (2515031-MSD1)

Source: E504047-05

Prepared: 04/08/25 Analyzed: 04/08/25

Benzene	4.40	0.0250	5.00	ND	88.0	70-130	12.2	27	
Ethylbenzene	4.43	0.0250	5.00	ND	88.5	70-130	12.7	26	
Toluene	4.48	0.0250	5.00	ND	89.7	70-130	12.4	20	
o-Xylene	4.43	0.0250	5.00	ND	88.6	70-130	12.1	25	
p,m-Xylene	8.91	0.0500	10.0	ND	89.1	70-130	12.6	23	
Total Xylenes	13.3	0.0250	15.0	ND	88.9	70-130	12.5	26	
Surrogate: 4-Bromochlorobenzene-PID	7.82		8.00		97.7	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Boundary Raider 7 Fed 214H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	4/14/2025 8:27:10AM

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
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2515031-BLK1) Prepared: 04/08/25 Analyzed: 04/08/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.39		8.00		92.3	70-130			

LCS (2515031-BS2) Prepared: 04/08/25 Analyzed: 04/08/25

Gasoline Range Organics (C6-C10)	50.8	20.0	50.0		102	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.72		8.00		96.5	70-130			

Matrix Spike (2515031-MS2) Source: E504047-05 Prepared: 04/08/25 Analyzed: 04/08/25

Gasoline Range Organics (C6-C10)	48.9	20.0	50.0	ND	97.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.87		8.00		98.4	70-130			

Matrix Spike Dup (2515031-MSD2) Source: E504047-05 Prepared: 04/08/25 Analyzed: 04/08/25

Gasoline Range Organics (C6-C10)	44.5	20.0	50.0	ND	89.1	70-130	9.25	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.56		8.00		94.4	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Boundary Raider 7 Fed 214H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	4/14/2025 8:27:10AM

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 (2515035-BLK1)					Prepared: 04/08/25 Analyzed: 04/08/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	48.0		50.0		95.9	61-141			

LCS (2515035-BS1)					Prepared: 04/08/25 Analyzed: 04/08/25				
Diesel Range Organics (C10-C28)	237	25.0	250		95.0	66-144			
Surrogate: n-Nonane	48.1		50.0		96.1	61-141			

Matrix Spike (2515035-MS1)					Source: E504047-03		Prepared: 04/08/25 Analyzed: 04/08/25		
Diesel Range Organics (C10-C28)	237	25.0	250	ND	94.7	56-156			
Surrogate: n-Nonane	48.6		50.0		97.3	61-141			

Matrix Spike Dup (2515035-MSD1)					Source: E504047-03		Prepared: 04/08/25 Analyzed: 04/08/25		
Diesel Range Organics (C10-C28)	245	25.0	250	ND	98.2	56-156	3.63	20	
Surrogate: n-Nonane	49.1		50.0		98.2	61-141			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Boundary Raider 7 Fed 214H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	4/14/2025 8:27:10AM

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 (2515037-BLK1)					Prepared: 04/08/25 Analyzed: 04/08/25				
Chloride	ND	20.0							
LCS (2515037-BS1)					Prepared: 04/08/25 Analyzed: 04/08/25				
Chloride	258	20.0	250		103	90-110			
Matrix Spike (2515037-MS1)					Source: E504047-04		Prepared: 04/08/25 Analyzed: 04/08/25		
Chloride	275	20.0	250	ND	110	80-120			
Matrix Spike Dup (2515037-MSD1)					Source: E504047-04		Prepared: 04/08/25 Analyzed: 04/08/25		
Chloride	276	20.0	250	ND	111	80-120	0.626	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 Fed 214H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	04/14/25 08:27

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.
- Note (1): Methods marked with ** are non-accredited methods.
- Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Chain of Custody

Page 1 of 2

Received by OCD: 5/20/2025 7:45:21 AM

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Client Information				Invoice Information		Lab Use Only		TAT				State											
Client: Devon				Company: Devon		Lab WO# E504047		Job Number 01058007				<table border="1"> <tr> <td>1D</td> <td>2D</td> <td>3D</td> <td>Std</td> </tr> <tr> <td></td> <td></td> <td></td> <td>X</td> </tr> </table>				1D	2D	3D	Std				X
1D	2D	3D	Std																				
			X																				
Project: Boudary Raider 7 Fed 214H				Address: 5315 Buena Vista Dr								<table border="1"> <tr> <td>NM</td> <td>CO</td> <td>UT</td> <td>TX</td> </tr> <tr> <td>X</td> <td></td> <td></td> <td></td> </tr> </table>				NM	CO	UT	TX	X			
NM	CO	UT	TX																				
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									
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						
1008	4/4/25	soil	1	FS27-1'		1						X											
1012				28		2						X											
1016				29		3						X											
1019				30		4						X											
1022				31		5						X											
1029				32		6						X											
1026				33		7						X											
1027				34		8						X											
1029				35		9						X											
1031				36		10						X											
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@dv.com, chamilton@ensolum.com, iestrella@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: Israel Estrella																							
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.																							



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Page 157 of 220

Chain of Custody

Page 2 of 2

Client Information				Invoice Information		Lab Use Only		TAT				State					
Client: Devon				Company: Devon		Lab WO#		1D 2D 3D Std				NM CO UT TX					
Project: Boudary Raider 7 Fed 214H				Address: 5315 Buena Vista Dr		E204047		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@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
1032	4/4/25	Soil	1	FS37-1'		11						X					
1034				38 ↓		12						X					
1044				09-2'		13						X					
1046				10		14						X					
1047				13		15						X					
1042				14		16						X					
1049				19		17						X					
1054				20		18						X					
1052				22		19						X					
1050	↓	↓	↓	23 ↓		20						X					
Additional Instructions: Please CC: cburton@ensolum.com, agiovento@ensolum.com, jim.raley@dv.com, chamilton@ensolum.com, iestrella@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: _Israel Estrella																	
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.																	



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Envirotech Analytical Laboratory

Printed: 4/8/2025 8:45:45AM

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:	04/08/25 08:00	Work Order ID:	E504047
Phone:	(505) 382-1211	Date Logged In:	04/07/25 14:06	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	04/14/25 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



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name: Boundary Raider 7 Fed 214H

Work Order: E504057

Job Number: 01058-0007

Received: 4/9/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
4/10/25

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: 4/10/25



Ashley Giovengo
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Boundary Raider 7 Fed 214H
Workorder: E504057
Date Received: 4/9/2025 4:45:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/9/2025 4:45:00AM, under the Project Name: Boundary Raider 7 Fed 214H.

The analytical test results summarized in this report with the Project Name: Boundary Raider 7 Fed 214H 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
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

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Michelle Gonzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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QC - Anions by EPA 300.0/9056A	9
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Sample Summary

Devon Energy - Carlsbad	Project Name:	Boundary Raider 7 Fed 214H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	04/10/25 12:48

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BF01-0'	E504057-01A	Soil	04/07/25	04/09/25	Glass Jar, 2 oz.



Sample Data

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

Project Name: Boundary Raider 7 Fed 214H
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
4/10/2025 12:48:58PM

BF01-0'

E504057-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2515047	
Benzene	ND	0.0250	1	04/09/25	04/09/25	
Ethylbenzene	ND	0.0250	1	04/09/25	04/09/25	
Toluene	ND	0.0250	1	04/09/25	04/09/25	
o-Xylene	ND	0.0250	1	04/09/25	04/09/25	
p,m-Xylene	ND	0.0500	1	04/09/25	04/09/25	
Total Xylenes	ND	0.0250	1	04/09/25	04/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.1 %	70-130	04/09/25	04/09/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2515047	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/09/25	04/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.4 %	70-130	04/09/25	04/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2515043	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/09/25	04/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/09/25	04/09/25	
<i>Surrogate: n-Nonane</i>		103 %	61-141	04/09/25	04/09/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2515042	
Chloride	182	20.0	1	04/09/25	04/09/25	



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Boundary Raider 7 Fed 214H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	4/10/2025 12:48:58PM

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 (2515047-BLK1)

Prepared: 04/09/25 Analyzed: 04/09/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.93		8.00		99.1	70-130			

LCS (2515047-BS1)

Prepared: 04/09/25 Analyzed: 04/09/25

Benzene	5.00	0.0250	5.00		99.9	70-130			
Ethylbenzene	5.10	0.0250	5.00		102	70-130			
Toluene	5.16	0.0250	5.00		103	70-130			
o-Xylene	5.08	0.0250	5.00		102	70-130			
p,m-Xylene	10.4	0.0500	10.0		104	70-130			
Total Xylenes	15.4	0.0250	15.0		103	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.82		8.00		97.7	70-130			

LCS Dup (2515047-BSD1)

Prepared: 04/09/25 Analyzed: 04/09/25

Benzene	5.16	0.0250	5.00		103	70-130	3.26	20	
Ethylbenzene	5.28	0.0250	5.00		106	70-130	3.52	20	
Toluene	5.33	0.0250	5.00		107	70-130	3.36	20	
o-Xylene	5.27	0.0250	5.00		105	70-130	3.67	20	
p,m-Xylene	10.7	0.0500	10.0		107	70-130	3.52	20	
Total Xylenes	16.0	0.0250	15.0		107	70-130	3.57	20	
Surrogate: 4-Bromochlorobenzene-PID	7.85		8.00		98.2	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Boundary Raider 7 Fed 214H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	4/10/2025 12:48:58PM

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 (2515047-BLK1) Prepared: 04/09/25 Analyzed: 04/09/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.12		8.00		89.0	70-130			

LCS (2515047-BS2) Prepared: 04/09/25 Analyzed: 04/09/25

Gasoline Range Organics (C6-C10)	42.5	20.0	50.0		85.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.18		8.00		89.7	70-130			

LCS Dup (2515047-BSD2) Prepared: 04/09/25 Analyzed: 04/09/25

Gasoline Range Organics (C6-C10)	43.4	20.0	50.0		86.7	70-130	1.95	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.10		8.00		88.8	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Boundary Raider 7 Fed 214H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	4/10/2025 12:48:58PM

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 (2515043-BLK1) Prepared: 04/09/25 Analyzed: 04/09/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	49.4		50.0		98.9	61-141			

LCS (2515043-BS1) Prepared: 04/09/25 Analyzed: 04/09/25

Diesel Range Organics (C10-C28)	235	25.0	250		94.2	66-144			
Surrogate: n-Nonane	47.9		50.0		95.8	61-141			

Matrix Spike (2515043-MS1) Source: E504057-01 Prepared: 04/09/25 Analyzed: 04/09/25

Diesel Range Organics (C10-C28)	253	25.0	250	ND	101	56-156			
Surrogate: n-Nonane	50.2		50.0		100	61-141			

Matrix Spike Dup (2515043-MSD1) Source: E504057-01 Prepared: 04/09/25 Analyzed: 04/09/25

Diesel Range Organics (C10-C28)	265	25.0	250	ND	106	56-156	4.82	20	
Surrogate: n-Nonane	49.8		50.0		99.5	61-141			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Boundary Raider 7 Fed 214H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	4/10/2025 12:48:58PM

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 (2515042-BLK1)					Prepared: 04/09/25 Analyzed: 04/09/25				
Chloride	ND	20.0							
LCS (2515042-BS1)					Prepared: 04/09/25 Analyzed: 04/09/25				
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2515042-MS1)					Source: E504057-01		Prepared: 04/09/25 Analyzed: 04/09/25		
Chloride	442	20.0	250	182	104	80-120			
Matrix Spike Dup (2515042-MSD1)					Source: E504057-01		Prepared: 04/09/25 Analyzed: 04/09/25		
Chloride	444	20.0	250	182	105	80-120	0.486	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 Fed 214H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	04/10/25 12:48

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.
- Note (1): Methods marked with ** are non-accredited methods.
- Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Chain of Custody

Page 1 of 1

Received by OCD: 5/20/2025 7:45:21 AM

Page 11 of 12

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: Boudary Raider 7 Fed 214H				Address: 5315 Buena Vista Dr		E 504057		01058-0007		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@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/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
1307	4/7/25	Soil	1	BF01-0		1						X					
												X					
												X					
												X					
												X					
												X					
												X					
												X					
												X					
												X					
												X					
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@dvn.com, chamilton@ensolum.com, iestrella@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: _Israel Estrella																	
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

Page 170 of 220

Envirotech Analytical Laboratory

Printed: 4/9/2025 9:03:07AM

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:	04/09/25 04:45	Work Order ID:	E504057
Phone:	(505) 382-1211	Date Logged In:	04/08/25 14:30	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	04/09/25 17:00 (0 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
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 Fed 214H

Work Order: E504059

Job Number: 01058-0007

Received: 4/9/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
4/14/25

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: 4/14/25



Ashley Giovengo
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Boundary Raider 7 Fed 214H
Workorder: E504059
Date Received: 4/9/2025 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/9/2025 8:00:00AM, under the Project Name: Boundary Raider 7 Fed 214H.

The analytical test results summarized in this report with the Project Name: Boundary Raider 7 Fed 214H 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
Office: 505-632-1881
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mgonzales@envirotech-inc.com

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Sample Summary

Devon Energy - Carlsbad	Project Name:	Boundary Raider 7 Fed 214H	Reported: 04/14/25 08:42
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
FS21-4'	E504059-01A	Soil	04/07/25	04/09/25	Glass Jar, 2 oz.
SW02-0-1'	E504059-02A	Soil	04/07/25	04/09/25	Glass Jar, 2 oz.
SW03-0-1'	E504059-03A	Soil	04/07/25	04/09/25	Glass Jar, 2 oz.
SW04-0-4'	E504059-04A	Soil	04/07/25	04/09/25	Glass Jar, 2 oz.
SW01-0-1'	E504059-05A	Soil	04/07/25	04/09/25	Glass Jar, 2 oz.



Sample Data

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

Project Name: Boundary Raider 7 Fed 214H
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
4/14/2025 8:42:39AM

FS21-4'

E504059-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2515047	
Benzene	ND	0.0250	1	04/09/25	04/09/25	
Ethylbenzene	ND	0.0250	1	04/09/25	04/09/25	
Toluene	ND	0.0250	1	04/09/25	04/09/25	
o-Xylene	ND	0.0250	1	04/09/25	04/09/25	
p,m-Xylene	ND	0.0500	1	04/09/25	04/09/25	
Total Xylenes	ND	0.0250	1	04/09/25	04/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	04/09/25	04/09/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2515047	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/09/25	04/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		88.5 %	70-130	04/09/25	04/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2515043	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/09/25	04/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/09/25	04/09/25	
<i>Surrogate: n-Nonane</i>		99.9 %	61-141	04/09/25	04/09/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2515042	
Chloride	254	20.0	1	04/09/25	04/09/25	



Sample Data

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

Project Name: Boundary Raider 7 Fed 214H
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
4/14/2025 8:42:39AM

SW02-0-1'

E504059-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2515047	
Benzene	ND	0.0250	1	04/09/25	04/09/25	
Ethylbenzene	ND	0.0250	1	04/09/25	04/09/25	
Toluene	ND	0.0250	1	04/09/25	04/09/25	
o-Xylene	ND	0.0250	1	04/09/25	04/09/25	
p,m-Xylene	ND	0.0500	1	04/09/25	04/09/25	
Total Xylenes	ND	0.0250	1	04/09/25	04/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	70-130	04/09/25	04/09/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2515047	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/09/25	04/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		88.6 %	70-130	04/09/25	04/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2515043	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/09/25	04/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/09/25	04/09/25	
<i>Surrogate: n-Nonane</i>		95.9 %	61-141	04/09/25	04/09/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2515042	
Chloride	133	20.0	1	04/09/25	04/09/25	



Sample Data

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

Project Name: Boundary Raider 7 Fed 214H
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
4/14/2025 8:42:39AM

SW03-0-1'

E504059-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2515047	
Benzene	ND	0.0250	1	04/09/25	04/09/25	
Ethylbenzene	ND	0.0250	1	04/09/25	04/09/25	
Toluene	ND	0.0250	1	04/09/25	04/09/25	
o-Xylene	ND	0.0250	1	04/09/25	04/09/25	
p,m-Xylene	ND	0.0500	1	04/09/25	04/09/25	
Total Xylenes	ND	0.0250	1	04/09/25	04/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	04/09/25	04/09/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2515047	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/09/25	04/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		88.8 %	70-130	04/09/25	04/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2515043	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/09/25	04/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/09/25	04/09/25	
<i>Surrogate: n-Nonane</i>						
		94.3 %	61-141	04/09/25	04/09/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2515042	
Chloride	71.0	20.0	1	04/09/25	04/09/25	



Sample Data

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

Project Name: Boundary Raider 7 Fed 214H
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
4/14/2025 8:42:39AM

SW04-0-4'

E504059-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2515047	
Benzene	ND	0.0250	1	04/09/25	04/09/25	
Ethylbenzene	ND	0.0250	1	04/09/25	04/09/25	
Toluene	ND	0.0250	1	04/09/25	04/09/25	
o-Xylene	ND	0.0250	1	04/09/25	04/09/25	
p,m-Xylene	ND	0.0500	1	04/09/25	04/09/25	
Total Xylenes	ND	0.0250	1	04/09/25	04/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.1 %	70-130		04/09/25	04/09/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2515047	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/09/25	04/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.1 %	70-130		04/09/25	04/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2515043	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/09/25	04/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/09/25	04/09/25	
<i>Surrogate: n-Nonane</i>						
	94.6 %	61-141		04/09/25	04/09/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2515042	
Chloride	720	20.0	1	04/09/25	04/09/25	



Sample Data

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

Project Name: Boundary Raider 7 Fed 214H
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
4/14/2025 8:42:39AM

SW01-0-1'

E504059-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2515047	
Benzene	ND	0.0250	1	04/09/25	04/09/25	
Ethylbenzene	ND	0.0250	1	04/09/25	04/09/25	
Toluene	ND	0.0250	1	04/09/25	04/09/25	
o-Xylene	ND	0.0250	1	04/09/25	04/09/25	
p,m-Xylene	ND	0.0500	1	04/09/25	04/09/25	
Total Xylenes	ND	0.0250	1	04/09/25	04/09/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.7 %	70-130		04/09/25	04/09/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2515047	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/09/25	04/09/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	88.9 %	70-130		04/09/25	04/09/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KH		Batch: 2515043	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/09/25	04/09/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/09/25	04/09/25	
<i>Surrogate: n-Nonane</i>						
	99.1 %	61-141		04/09/25	04/09/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2515042	
Chloride	139	20.0	1	04/09/25	04/09/25	



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Boundary Raider 7 Fed 214H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	4/14/2025 8:42:39AM

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
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2515047-BLK1) Prepared: 04/09/25 Analyzed: 04/09/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.93		8.00		99.1	70-130			

LCS (2515047-BS1) Prepared: 04/09/25 Analyzed: 04/09/25

Benzene	5.00	0.0250	5.00		99.9	70-130			
Ethylbenzene	5.10	0.0250	5.00		102	70-130			
Toluene	5.16	0.0250	5.00		103	70-130			
o-Xylene	5.08	0.0250	5.00		102	70-130			
p,m-Xylene	10.4	0.0500	10.0		104	70-130			
Total Xylenes	15.4	0.0250	15.0		103	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.82		8.00		97.7	70-130			

LCS Dup (2515047-BSD1) Prepared: 04/09/25 Analyzed: 04/09/25

Benzene	5.16	0.0250	5.00		103	70-130	3.26	20	
Ethylbenzene	5.28	0.0250	5.00		106	70-130	3.52	20	
Toluene	5.33	0.0250	5.00		107	70-130	3.36	20	
o-Xylene	5.27	0.0250	5.00		105	70-130	3.67	20	
p,m-Xylene	10.7	0.0500	10.0		107	70-130	3.52	20	
Total Xylenes	16.0	0.0250	15.0		107	70-130	3.57	20	
Surrogate: 4-Bromochlorobenzene-PID	7.85		8.00		98.2	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Boundary Raider 7 Fed 214H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	4/14/2025 8:42:39AM

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 (2515047-BLK1) Prepared: 04/09/25 Analyzed: 04/09/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.12		8.00		89.0	70-130			

LCS (2515047-BS2) Prepared: 04/09/25 Analyzed: 04/09/25

Gasoline Range Organics (C6-C10)	42.5	20.0	50.0		85.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.18		8.00		89.7	70-130			

LCS Dup (2515047-BSD2) Prepared: 04/09/25 Analyzed: 04/09/25

Gasoline Range Organics (C6-C10)	43.4	20.0	50.0		86.7	70-130	1.95	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.10		8.00		88.8	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Boundary Raider 7 Fed 214H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	4/14/2025 8:42:39AM

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 (2515043-BLK1)					Prepared: 04/09/25 Analyzed: 04/09/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	49.4		50.0		98.9	61-141			

LCS (2515043-BS1)					Prepared: 04/09/25 Analyzed: 04/09/25				
Diesel Range Organics (C10-C28)	235	25.0	250		94.2	66-144			
Surrogate: n-Nonane	47.9		50.0		95.8	61-141			

Matrix Spike (2515043-MS1)					Source: E504057-01		Prepared: 04/09/25 Analyzed: 04/09/25		
Diesel Range Organics (C10-C28)	253	25.0	250	ND	101	56-156			
Surrogate: n-Nonane	50.2		50.0		100	61-141			

Matrix Spike Dup (2515043-MSD1)					Source: E504057-01		Prepared: 04/09/25 Analyzed: 04/09/25		
Diesel Range Organics (C10-C28)	265	25.0	250	ND	106	56-156	4.82	20	
Surrogate: n-Nonane	49.8		50.0		99.5	61-141			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Boundary Raider 7 Fed 214H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	4/14/2025 8:42:39AM

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 (2515042-BLK1)					Prepared: 04/09/25 Analyzed: 04/09/25				
Chloride	ND	20.0							
LCS (2515042-BS1)					Prepared: 04/09/25 Analyzed: 04/09/25				
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2515042-MS1)					Source: E504057-01		Prepared: 04/09/25 Analyzed: 04/09/25		
Chloride	442	20.0	250	182	104	80-120			
Matrix Spike Dup (2515042-MSD1)					Source: E504057-01		Prepared: 04/09/25 Analyzed: 04/09/25		
Chloride	444	20.0	250	182	105	80-120	0.486	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 Fed 214H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	04/14/25 08:42

- 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		Lab WO#		1D 2D 3D Std				NM CO UT TX					
Project: Boudary Raider 7 Fed 214H				Address: 5315 Buena Vista Dr		E504059		Job Number				01058-0057					
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
1046	4/7/25	soil	1	FS21-4'		1						x					
1038				SW02-0-1'		2						x					
1041				03-0-1'		3						x					
1044				04-0-1'		4						x					
1126				01-0-1'		5						x					
												x					
												x					
												x					
												x					
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@dvn.com, chamilton@ensolum.com, iestrella@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: Israel Estrella																	
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

Envirotech Analytical Laboratory

Printed: 4/9/2025 9:05:26AM

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:	04/09/25 08:00	Work Order ID:	E504059
Phone:	(505) 382-1211	Date Logged In:	04/08/25 14:36	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	04/15/25 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



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name: Boundary Raider 7 Fed 214H

Work Order: E504160

Job Number: 01058-0007

Received: 4/21/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
4/24/25

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: 4/24/25



Ashley Giovengo
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Boundary Raider 7 Fed 214H
Workorder: E504160
Date Received: 4/21/2025 7:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/21/2025 7:30:00AM, under the Project Name: Boundary Raider 7 Fed 214H.

The analytical test results summarized in this report with the Project Name: Boundary Raider 7 Fed 214H 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	Project Name:	Boundary Raider 7 Fed 214H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	04/24/25 13:01

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW03-0-1'	E504160-01A	Soil	04/18/25	04/21/25	Glass Jar, 2 oz.



Sample Data

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

Project Name: Boundary Raider 7 Fed 214H
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
4/24/2025 1:01:37PM

SW03-0-1'

E504160-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2517005	
Benzene	ND	0.0250	1	04/21/25	04/21/25	
Ethylbenzene	ND	0.0250	1	04/21/25	04/21/25	
Toluene	ND	0.0250	1	04/21/25	04/21/25	
o-Xylene	ND	0.0250	1	04/21/25	04/21/25	
p,m-Xylene	ND	0.0500	1	04/21/25	04/21/25	
Total Xylenes	ND	0.0250	1	04/21/25	04/21/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	95.9 %	70-130		04/21/25	04/21/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2517005	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/21/25	04/21/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	94.7 %	70-130		04/21/25	04/21/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM		Batch: 2517011	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/21/25	04/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/21/25	04/21/25	
<i>Surrogate: n-Nonane</i>	95.5 %	61-141		04/21/25	04/21/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2517002	
Chloride	34.8	20.0	1	04/21/25	04/21/25	



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Boundary Raider 7 Fed 214H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	4/24/2025 1:01:37PM

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 (2517005-BLK1)

Prepared: 04/21/25 Analyzed: 04/21/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.80		8.00		97.5	70-130			

LCS (2517005-BS1)

Prepared: 04/21/25 Analyzed: 04/21/25

Benzene	3.94	0.0250	5.00		78.7	70-130			
Ethylbenzene	3.94	0.0250	5.00		78.9	70-130			
Toluene	3.97	0.0250	5.00		79.3	70-130			
o-Xylene	3.98	0.0250	5.00		79.6	70-130			
p,m-Xylene	7.92	0.0500	10.0		79.2	70-130			
Total Xylenes	11.9	0.0250	15.0		79.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.09		8.00		101	70-130			

Matrix Spike (2517005-MS1)

Source: E504158-04

Prepared: 04/21/25 Analyzed: 04/21/25

Benzene	4.40	0.0250	5.00	ND	88.0	70-130			
Ethylbenzene	4.44	0.0250	5.00	ND	88.8	70-130			
Toluene	4.44	0.0250	5.00	ND	88.8	70-130			
o-Xylene	4.42	0.0250	5.00	ND	88.4	70-130			
p,m-Xylene	8.87	0.0500	10.0	ND	88.7	70-130			
Total Xylenes	13.3	0.0250	15.0	ND	88.6	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.98		8.00		99.7	70-130			

Matrix Spike Dup (2517005-MSD1)

Source: E504158-04

Prepared: 04/21/25 Analyzed: 04/21/25

Benzene	4.81	0.0250	5.00	ND	96.3	70-130	9.01	27	
Ethylbenzene	4.85	0.0250	5.00	ND	97.1	70-130	8.90	26	
Toluene	4.86	0.0250	5.00	ND	97.2	70-130	8.97	20	
o-Xylene	4.83	0.0250	5.00	ND	96.6	70-130	8.87	25	
p,m-Xylene	9.70	0.0500	10.0	ND	97.0	70-130	8.94	23	
Total Xylenes	14.5	0.0250	15.0	ND	96.9	70-130	8.91	26	
Surrogate: 4-Bromochlorobenzene-PID	7.96		8.00		99.5	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Boundary Raider 7 Fed 214H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	4/24/2025 1:01:37PM

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 (2517005-BLK1) Prepared: 04/21/25 Analyzed: 04/21/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.74		8.00		96.8	70-130			

LCS (2517005-BS2) Prepared: 04/21/25 Analyzed: 04/21/25

Gasoline Range Organics (C6-C10)	55.0	20.0	50.0		110	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.21		8.00		103	70-130			

Matrix Spike (2517005-MS2) Source: E504158-04 Prepared: 04/21/25 Analyzed: 04/21/25

Gasoline Range Organics (C6-C10)	50.7	20.0	50.0	ND	101	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.73		8.00		96.7	70-130			

Matrix Spike Dup (2517005-MSD2) Source: E504158-04 Prepared: 04/21/25 Analyzed: 04/21/25

Gasoline Range Organics (C6-C10)	51.7	20.0	50.0	ND	103	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 Fed 214H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	4/24/2025 1:01:37PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

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 (2517011-BLK1)	Prepared: 04/21/25 Analyzed: 04/21/25								
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	45.6		50.0		91.1	61-141			

LCS (2517011-BS1)	Prepared: 04/21/25 Analyzed: 04/21/25								
Diesel Range Organics (C10-C28)	246	25.0	250		98.5	66-144			
Surrogate: n-Nonane	44.6		50.0		89.2	61-141			

Matrix Spike (2517011-MS1)				Source: E504162-04	Prepared: 04/21/25 Analyzed: 04/21/25				
Diesel Range Organics (C10-C28)	12500	125	250	11200	503	56-156			M4
Surrogate: n-Nonane	81.0		50.0		162	61-141			S5

Matrix Spike Dup (2517011-MSD1)				Source: E504162-04	Prepared: 04/21/25 Analyzed: 04/21/25				
Diesel Range Organics (C10-C28)	12200	125	250	11200	380	56-156	2.49	20	M4
Surrogate: n-Nonane	88.5		50.0		177	61-141			S5



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Boundary Raider 7 Fed 214H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	4/24/2025 1:01:37PM

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 (2517002-BLK1)					Prepared: 04/21/25 Analyzed: 04/21/25				
Chloride	ND	20.0							
LCS (2517002-BS1)					Prepared: 04/21/25 Analyzed: 04/21/25				
Chloride	257	20.0	250		103	90-110			
Matrix Spike (2517002-MS1)					Source: E504157-04		Prepared: 04/21/25 Analyzed: 04/21/25		
Chloride	252	20.0	250	ND	101	80-120			
Matrix Spike Dup (2517002-MSD1)					Source: E504157-04		Prepared: 04/21/25 Analyzed: 04/21/25		
Chloride	252	20.0	250	ND	101	80-120	0.166	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 Fed 214H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	04/24/25 13:01

- 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.
- S5 Surrogate spike recovery exceeded acceptance limits due to interfering target and/or non-target analytes.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.

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

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



Page 11 of 12

Envirotech Analytical Laboratory

Printed: 4/21/2025 2:59:37PM

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:	04/21/25 07:30	Work Order ID:	E504160
Phone:	(505) 382-1211	Date Logged In:	04/18/25 16:02	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	04/25/25 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

Individual sample temperatures listed on COC.

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: 5.8°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

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 447389

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 447389
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2435126810
Incident Name	NAPP2435126810 BOUNDARY RAIDER 7 FEDERAL #214H @ 30-025-44292
Incident Type	Oil Release
Incident Status	Initial C-141 Approved
Incident Well	[30-025-44292] BOUNDARY RAIDER 7 FEDERAL #214H

Location of Release Source	
Site Name	BOUNDARY RAIDER 7 FEDERAL #214H
Date Release Discovered	12/15/2024
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	8,416
What is the estimated number of samples that will be gathered	48
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/02/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Please contact Isreal Estrella @ 575-291-9537
Please provide any information necessary for navigation to sampling site	32.326, -103.70814

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Phone: (505) 476-3441

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CONDITIONS

Action 447389

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 447389
	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.	3/31/2025

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QUESTIONS

Action 447389

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 447389
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

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Incident Type	Oil Release
Incident Status	Initial C-141 Approved
Incident Well	[30-025-44292] BOUNDARY RAIDER 7 FEDERAL #214H

Location of Release Source	
Site Name	BOUNDARY RAIDER 7 FEDERAL #214H
Date Release Discovered	12/15/2024
Surface Owner	Federal

Sampling Event General Information	
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QUESTIONS

Action 447390

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 447390
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2435126810
Incident Name	NAPP2435126810 BOUNDARY RAIDER 7 FEDERAL #214H @ 30-025-44292
Incident Type	Oil Release
Incident Status	Initial C-141 Approved
Incident Well	[30-025-44292] BOUNDARY RAIDER 7 FEDERAL #214H

Location of Release Source	
Site Name	BOUNDARY RAIDER 7 FEDERAL #214H
Date Release Discovered	12/15/2024
Surface Owner	Federal

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	8,416
What is the estimated number of samples that will be gathered	48
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/03/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Please contact Isreal Estrella @ 575-291-9537
Please provide any information necessary for navigation to sampling site	32.326, -103.70814

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Action 447390

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	Action Number: 447390
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

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QUESTIONS

Action 447391

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 447391
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2435126810
Incident Name	NAPP2435126810 BOUNDARY RAIDER 7 FEDERAL #214H @ 30-025-44292
Incident Type	Oil Release
Incident Status	Initial C-141 Approved
Incident Well	[30-025-44292] BOUNDARY RAIDER 7 FEDERAL #214H

Location of Release Source	
Site Name	BOUNDARY RAIDER 7 FEDERAL #214H
Date Release Discovered	12/15/2024
Surface Owner	Federal

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	8,416
What is the estimated number of samples that will be gathered	48
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/04/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Please contact Isreal Estrella @ 575-291-9537
Please provide any information necessary for navigation to sampling site	32.326, -103.70814

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CONDITIONS

Action 447391

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 447391
	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.	3/31/2025

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

QUESTIONS

Action 447393

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 447393
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2435126810
Incident Name	NAPP2435126810 BOUNDARY RAIDER 7 FEDERAL #214H @ 30-025-44292
Incident Type	Oil Release
Incident Status	Initial C-141 Approved
Incident Well	[30-025-44292] BOUNDARY RAIDER 7 FEDERAL #214H

Location of Release Source	
Site Name	BOUNDARY RAIDER 7 FEDERAL #214H
Date Release Discovered	12/15/2024
Surface Owner	Federal

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	8,416
What is the estimated number of samples that will be gathered	48
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/07/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Please contact Isreal Estrella @ 575-291-9537
Please provide any information necessary for navigation to sampling site	32.326, -103.70814

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Santa Fe, NM 87505

CONDITIONS

Action 447393

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 447393
	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.	3/31/2025

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Santa Fe, NM 87505

QUESTIONS

Action 452597

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 452597
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2435126810
Incident Name	NAPP2435126810 BOUNDARY RAIDER 7 FEDERAL #214H @ 30-025-44292
Incident Type	Oil Release
Incident Status	Initial C-141 Approved
Incident Well	[30-025-44292] BOUNDARY RAIDER 7 FEDERAL #214H

Location of Release Source	
Site Name	BOUNDARY RAIDER 7 FEDERAL #214H
Date Release Discovered	12/15/2024
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	200
What is the estimated number of samples that will be gathered	1
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/18/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Please contact Israel Estrella @ 575-291-9537
Please provide any information necessary for navigation to sampling site	32.326, -103.70814

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Oil Conservation Division
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Santa Fe, NM 87505

CONDITIONS

Action 452597

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 452597
	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.	4/16/2025

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

QUESTIONS

Action 464988

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 464988
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2435126810
Incident Name	NAPP2435126810 BOUNDARY RAIDER 7 FEDERAL #214H @ 30-025-44292
Incident Type	Oil Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-025-44292] BOUNDARY RAIDER 7 FEDERAL #214H

Location of Release Source*Please answer all the questions in this group.*

Site Name	BOUNDARY RAIDER 7 FEDERAL #214H
Date Release Discovered	12/15/2024
Surface Owner	Federal

Incident Details*Please answer all the questions in this group.*

Incident Type	Oil Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release*Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.*

Crude Oil Released (bbls) Details	Cause: Equipment Failure Well Crude Oil Released: 9 BBL Recovered: 0 BBL Lost: 9 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Packing leak on wellhead. Fluids released around wellhead base.

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QUESTIONS, Page 2

Action 464988

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 464988
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.

With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvni.com Date: 05/20/2025
--	---

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QUESTIONS, Page 3

Action 464988

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 464988
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
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	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	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	No

Remediation Plan	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	11400
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	24830
GRO+DRO (EPA SW-846 Method 8015M)	18080
BTEX (EPA SW-846 Method 8021B or 8260B)	177.5
Benzene (EPA SW-846 Method 8021B or 8260B)	25.3
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	04/02/2025
On what date will (or did) the final sampling or liner inspection occur	04/18/2025
On what date will (or was) the remediation complete(d)	04/18/2025
What is the estimated surface area (in square feet) that will be reclaimed	7510
What is the estimated volume (in cubic yards) that will be reclaimed	448
What is the estimated surface area (in square feet) that will be remediated	7510
What is the estimated volume (in cubic yards) that will be remediated	448
<i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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General Information
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Online Phone Directory
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Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS, Page 4

Action 464988

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 464988
	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@dvn.com Date: 05/20/2025
<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 464988

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 464988
	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 464988

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 464988
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	452597
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/18/2025
What was the (estimated) number of samples that were to be gathered	1
What was the sampling surface area in square feet	200

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	7510
What was the total volume (cubic yards) remediated	448
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	7510
What was the total volume (in cubic yards) reclaimed	448
Summarize any additional remediation activities not included by answers (above)	Remediation Complete
<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>	
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.	
I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 05/20/2025

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QUESTIONS, Page 7

Action 464988

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 464988
	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 464988

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 464988
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
nvez	None	7/9/2025