



October 15, 2024

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
Rebel 20 Federal 6Y
Incident Number nAPP2406964143
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 Rebel 20 Federal 6Y (Site). The Site is located in Unit C, Section 20, Township 24 South, Range 32 East, in Lea County, New Mexico (32.2095183°, -103.6989181°) and is associated with oil and gas exploration and production operations on land managed by the Bureau of Land Management (BLM).

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. Based on field observations, field screening activities, and soil sampling laboratory analytical results, Devon is submitting this *Closure Request*, describing Site assessment, excavation, and delineation activities that have occurred and requesting no further action for Incident Number nAPP2406964143.

BACKGROUND

On March 09, 2024, a leak on an underground steel flowline developed, which resulted in the release of approximately 37 barrels (bbls) of crude oil onto the caliche well pad; 20 bbls of crude oil were recovered. The release originated near the wellhead, flowed across the eastern portion of the caliche pad to the access road, and eventually off-pad. Devon reported the release to the New Mexico Oil Conservation Division (NMOCD) via web portal on March 25, 2024. The release was subsequently assigned Incident Number nAPP2406964143.

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 the initial C-141 application subsection, Site Characterization. Potential Site receptors are identified on Figure 1.

The closest permitted groundwater well with depth to groundwater data is a New Mexico Office of the State Engineer (NMOSE) well, C 04845 POD1, which is 0.17 miles east of the Site. The Boring (BH01) was completed by John Scarborough Drilling, Inc. on June 26, 2024, in order to establish depth to water within a 0.5-mile radius of the Site. The well was drilled to a total depth of 105 feet below ground surface

(bgs). The boring was allowed to equilibrate for at least 72 hours to allow for potentially slow in-filling groundwater to collect. Following the waiting period, groundwater was not encountered, and it was determined that groundwater is greater than 105 feet bgs. All wells used for depth to groundwater determination are presented in Figure 1. The referenced well log and record is included in Appendix A. There are no regional or Site-specific hydrogeological conditions, such as shallow surface water, known 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 emergent wetland, located approximately 0.92 miles northeast 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: 20,000 mg/kg

A reclamation requirement of 600 mg/kg chloride and 100 mg/kg TPH was applied to the top 4 feet of the off-pad area that was impacted by the release, per 19.15.29.13.D (1) NMAC for the top 4 feet of areas that will be reclaimed following remediation.

SITE ASSESSMENT AND DELINEATION SOIL SAMPLING ACTIVITIES

On March 20 and March 21, 2024, Ensolum personnel were onsite to evaluate the release extent and conduct delineation soil sampling activities. Eight preliminary assessment soil samples (SS01 through SS08) were collected from around the release extent at ground surface to verify the lateral extent. The soil samples were field screened for chloride utilizing Hach® chloride QuanTab® test strips and for TPH utilizing a PetroFLAG® Soil Analyzer System. All soil samples were field screened for chloride in the same manner previously described. Ensolum personnel returned to the Site on April 3, 2024, to advance two potholes, PH01 and PH02, via backhoe to depths of 1-foot and 3 feet bgs, respectively, and two boreholes, BH01 and BH02, via hand auger to depths of 2 feet and 3 feet bgs, respectively, within the release to assess the vertical extent of impacted soil. Soil from the potholes and the boreholes were field screened in the same manner as previously described and field screening results and observations were logged on lithologic/soil sampling logs, which are included in Appendix B. The delineation soil sample locations are depicted on Figure 2 and a photographic log is 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

From August 07, 2024, through August 26, 2024, Ensolum personnel were onsite to oversee the excavation of the subject matter release. Standard Safety and Supply completed the excavation utilizing a backhoe, hydrovac, and hand tools. To direct excavation activities, Ensolum personnel field screened soil samples in the same manner as previously described.

Following the removal of impacted and waste-containing soil, Ensolum personnel collected 5-point composite soil samples representing at least 200 square feet from the floor of the excavation. 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 FS59) were collected from the floor of the excavation at depths ranging from 0.5 feet to 5 feet bgs. Ensolum personnel collected 12 confirmation sidewall soil samples (SW01 through SW12) at depths ranging from ground surface to 5 feet bgs. The area of the sidewall soil sample (SW01) that failed was excavated again on August 08, 2024, to remove contaminated soil and the sidewall sample was recollected. 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.

Ensolum personnel returned to the Site on September 12, 2024, to advance the excavation in areas represented by confirmation samples FS34@0.5' and FS47@4'. Once additional soil was removed, Ensolum collected confirmation samples FS34@1.5' and FS47@5' bgs and confirmation sidewall soil samples SW13@0-1.5' and SW14@4-5' bgs. The final excavation extent measured approximately 11,198 square feet. A total of approximately 876 cubic yards of waste-containing soil was removed during the excavation activities. Impacted and waste-containing soil was transported and properly disposed of at the Northern Delaware Basin Landfill Facility in Jal, New Mexico.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for lateral delineation soil samples (SS01 through SS08) collected at ground surface were all in compliance with the Closure Criteria and reclamation requirement. Laboratory analytical results for potholes (PH01 through PH02) were in compliance with the strictest Closure Criteria at 1-foot and 3 feet bgs, respectively, and boreholes (BH01 and BH02) were in compliance with the strictest Closure Criteria at 2 feet and 3 feet bgs, respectively. Samples collected from the ground surface within the release extent contained TPH exceeding the Closure Criteria.

Laboratory analytical results for excavation floor soil samples (FS01 through FS59) indicated all COC concentrations were in compliance with the Site Closure Criteria at depths ranging from ground surface to 5 feet bgs with the exception of FS34@0.5' bgs and FS47@4' bgs. Those areas were extended and new confirmation samples collected to confirm removal of impacted soil. All floor samples collected off pad were in compliance with the reclamation requirement.

Laboratory analytical results for final confirmation sidewall soil samples (SW01 through SW14) collected at depths ranging from ground surface to 5 feet bgs were all in compliance with the reclamation requirement. Laboratory analytical results are summarized in Tables 1 through 3 and the complete laboratory analytical reports are included as Appendix D.

Rebel 20 Federal 6Y

CLOSURE REQUEST

The release extent has been laterally defined by delineation soil samples (SS01 through SS08), collected at ground surface, and vertically defined by samples from potholes PH01 and PH02 collected at 1-foot and 3 feet bgs, respectively, and from boreholes BH01 and BH02 collected at 2 feet bgs and 3 feet bgs, respectively. Excavation of impacted and waste-containing soil was completed, confirmed by laboratory analytical results from final floor samples FS01 through FS59 collected at depths ranging from ground surface to 5 feet bgs, which were all in compliance with the Site Closure Criteria. All confirmation sample collected from the excavation conducted off pad were in compliance with the reclamation requirement.

Devon will backfill the excavation with non-waste containing topsoil, purchased locally, and recontour the Site to match pre-existing site conditions. The disturbed pasture area will be re-seeded with BLM seed mixture #2 for sandy sites, as stipulated in the approved Sundry.

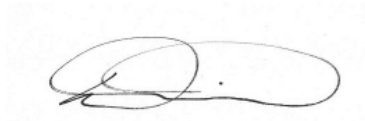
Based on the remedial actions completed to date and a depth to groundwater greater than 105 feet bgs, Devon believes these remedial actions are protective of human health, the environment, and groundwater and as such, respectfully requests closure for Incident Number nAPP2406964143.

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

Sincerely,
Ensolum, LLC



Ashley Giovengo
Senior Scientist



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

Appendices:

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

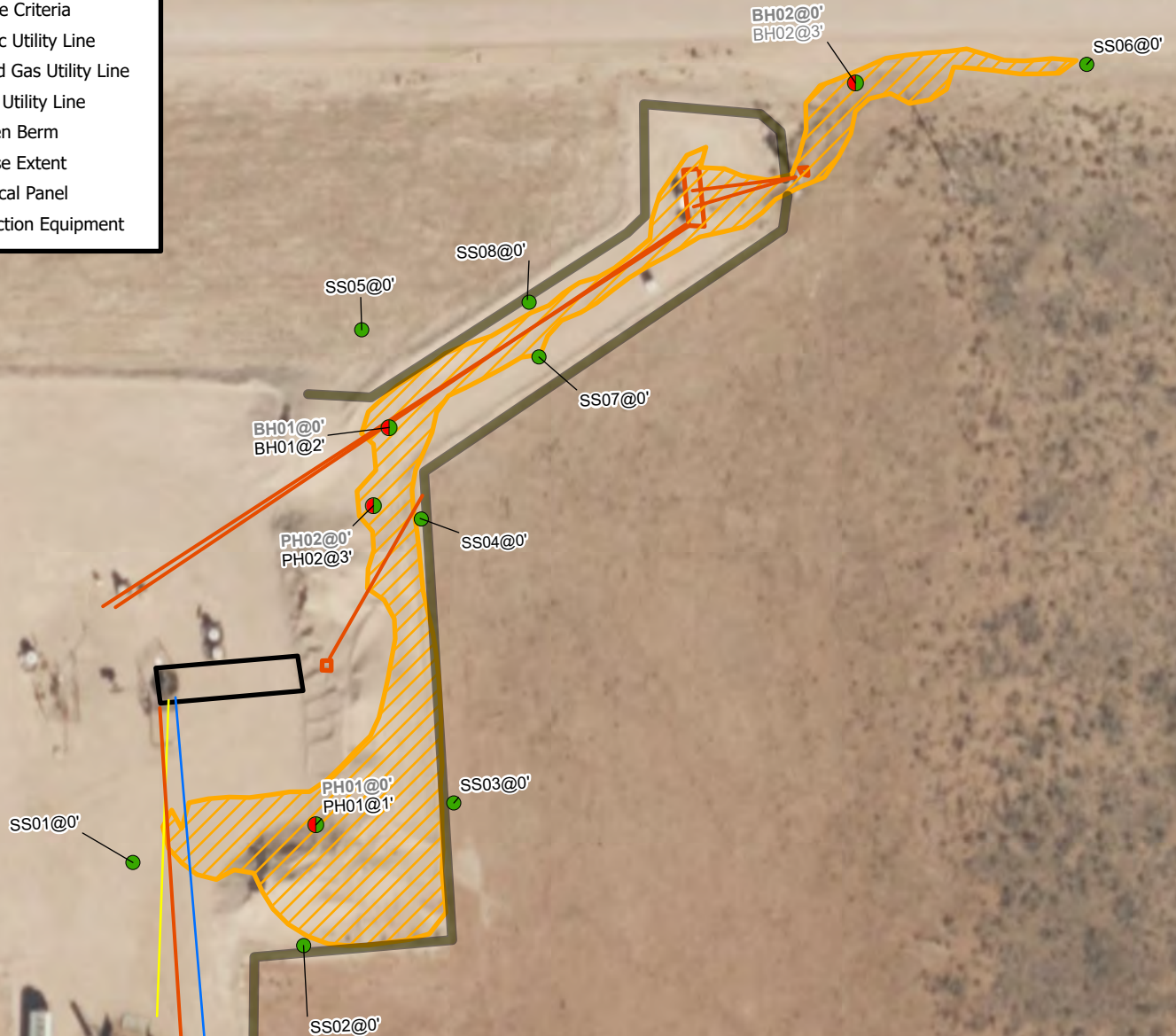


FIGURES



Legend

- Delineation Soil Sample in Compliance with Closure Criteria
- Delineation Soil Sample with Concentrations Previously Exceeding Closure Criteria
- Electric Utility Line
- Oil and Gas Utility Line
- Water Utility Line
- Earthen Berm
- Release Extent
- Electrical Panel
- Production Equipment



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 15 30 60 90 120
 Feet

Sources: Environmental Systems Research Institute (ESRI)

Delineation Soil Sample Locations

Devon Energy Production Company, LP
 Rebel 20 Federal 6Y
 Incident Number: nAPP2406964143
 Unit C, Section 20, Township 24S, Range 32E
 Lea County, New Mexico

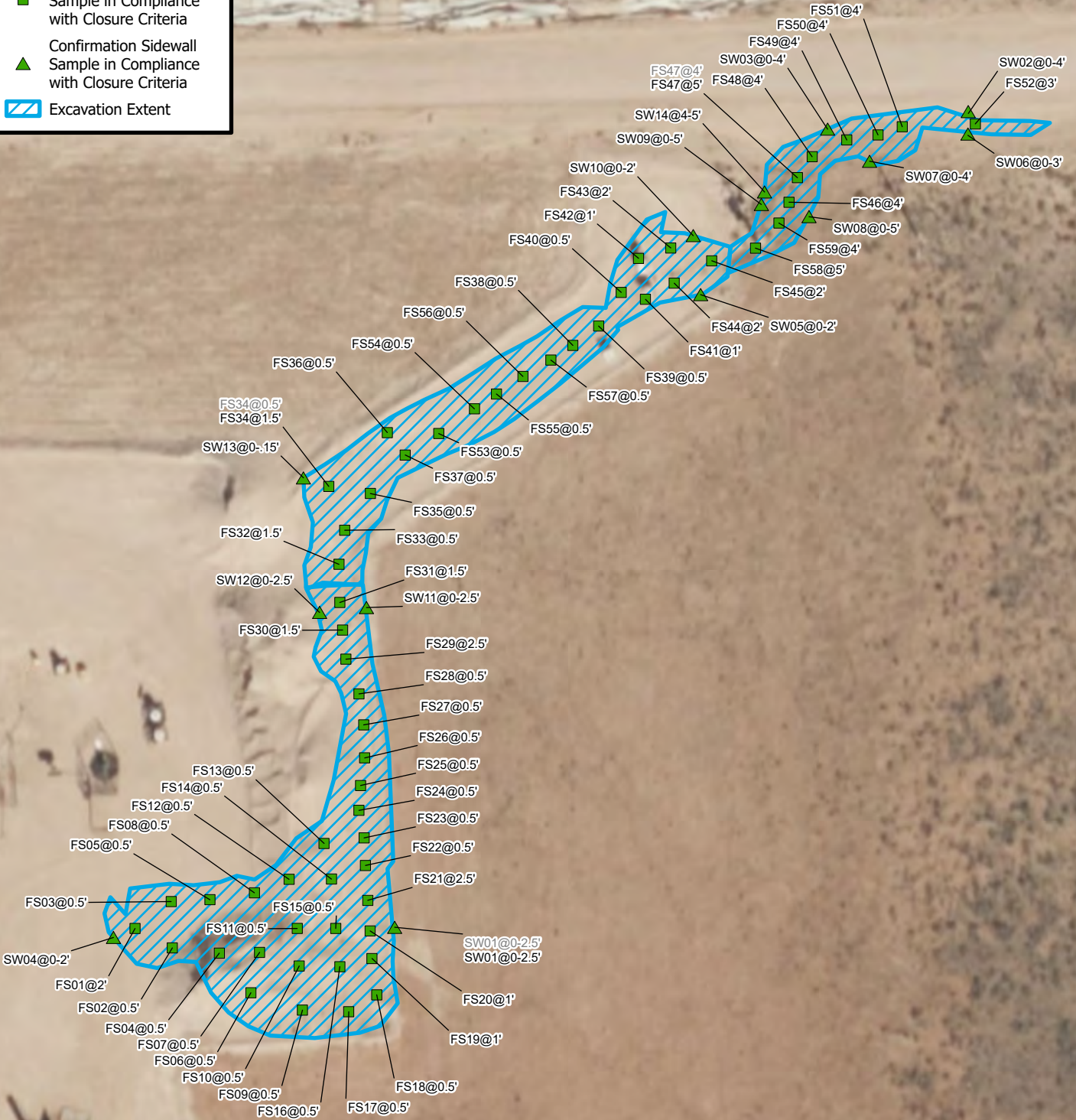
FIGURE

2

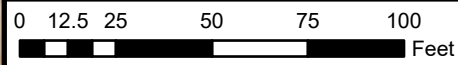


Legend

- Confirmation Floor Sample in Compliance with Closure Criteria
- Confirmation Sidewall Sample in Compliance with Closure Criteria
- Excavation Extent



Notes:
Sample ID @ Depth Below Ground Surface.



Sources: Environmental Systems Research Institute (ESRI)



Confirmation Soil Sample Locations

Devon Energy Production Company, LP
Rebel 20 Federal 6Y
Incident Number: nAPP2406964143
C-20-24S-32E
Lea County, New Mexico

FIGURE

3



TABLES



TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
 Rebel 20 Federal 6Y
 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	20,000
Delineation Soil Samples										
SS01	3/20/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS02	3/20/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	84.1
SS03	3/20/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	47.4
SS04	3/21/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	38.6
SS05	3/20/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS06	3/20/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	88.6
SS07	3/21/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	139
SS08	3/21/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	237
PH01	4/3/2024	0	0.0251	12.0431	58.5	5,290	1,560	5,348.5	6,909	10,800
PH01	4/3/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	232
PH02	4/3/2024	0	17.11	264.01	1120	20,500	4,790	21,620	26,410	6,310
PH02	4/3/2024	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH01	4/3/2024	0	5.32	77.35	224	23,100	6,240	23,324	29,564	5,520
BH01	4/3/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	27.9
BH02	4/3/2024	0	1.813	37.663	111	8,810	2,340	8,921	11,261	1,510
BH02	4/3/2024	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	28.8

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Grey text represents samples that have been excavated

<: Laboratory Analytical result is less than reporting limit

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

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

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes



TABLE 2
SOIL SAMPLE ANALYTICAL RESULTS
 Rebel 20 Federal 6Y
 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	20,000
Confirmation Soil Samples										
FS01	8/8/2024	2	<0.0250	<0.0500	<20.0	54.5	<50.0	54.5	54.5	2,500
FS02	8/8/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,030
FS03	8/8/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	3,680
FS04	8/8/2024	0.5	<0.0250	<0.0500	<20.0	287	112	287	399	765
FS05	8/8/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,300
FS06	8/8/2024	0.5	<0.0250	<0.0500	<20.0	178	66	178	244	1,350
FS07	8/8/2024	0.5	<0.0250	<0.0500	<20.0	540	170	540	710	1,520
FS08	8/8/2024	0.5	<0.0250	<0.0500	<20.0	43.8	<50.0	43.8	43.8	1,440
FS09	8/8/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,060
FS10	8/8/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,290
FS11	8/8/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,860
FS12	8/8/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,800
FS13	8/8/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,340
FS14	8/8/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,620
FS15	8/8/2024	0.5	<0.0250	<0.0500	<20.0	428	118	428	546	2,210
FS16	8/8/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,700
FS17	8/8/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,540
FS18	8/8/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,360
FS19	8/9/2024	1	<0.0250	<0.0500	<20.0	69.8	<50.0	69.8	69.8	2,170
FS20	8/9/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,840
FS21	8/9/2024	2.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,000
FS22	8/8/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,920
FS23	8/8/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,840
FS24	8/8/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,540
FS25	8/8/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	750
FS26	8/9/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	844
FS27	8/9/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,590
FS28	8/9/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	742
FS29	8/26/2024	2.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	75.7
FS30	8/22/2024	1.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	352



TABLE 2 - CONT'D
SOIL SAMPLE ANALYTICAL RESULTS
 Rebel 20 Federal 6Y
 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	20,000
Confirmation Soil Samples										
FS29	8/26/2024	2.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	75.7
FS30	8/22/2024	1.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	352
FS31	8/26/2024	1.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,300
FS32	8/26/2024	1.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	49.9
FS33	8/22/2024	0.5	<0.0250	<0.0500	<20.0	319	110	319	429	102
FS34	8/22/2024	0.5	<0.0250	1.3276	27.4	1,800	619	1,827.4	2,446.40	305
FS34	9/12/2024	1.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	41.7
FS35	8/22/2024	0.5	<0.0250	<0.0500	<20.0	186	70.0	186	256	335
FS36	8/22/2024	0.5	<0.0250	0.1703	<20.0	775	249	775	1,024	141
FS37	8/22/2024	0.5	<0.0250	1.0976	<20.0	625	178	625	803	189
FS38	8/16/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	67.5
FS39	8/16/2024	0.5	<0.0250	<0.0500	<20.0	73.5	<50.0	73.5	73.5	60.9
FS40	8/16/2024	0.5	<0.0250	<0.0500	<20.0	130	<50.0	130	130	336
FS41	8/22/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS42	8/22/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS43	8/13/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS44	8/13/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	26.7
FS45	8/13/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS46	8/23/2024	4	<0.0250	<0.0500	<20.0	431	186	431	617	637
FS47	8/23/2024	4	<0.0250	<0.0500	<20.0	1140	390	1,140	1,530	690
FS47	9/12/2024	5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	132
FS48	8/23/2024	4	<0.0250	<0.0500	<20.0	223	93.3	223	316.3	1,070
FS49	8/23/2024	4	<0.0250	<0.0500	<20.0	88.0	<50.0	88	88	309
FS50	8/23/2024	4	<0.0250	<0.0500	<20.0	120	53.9	120	173.9	160
FS51	8/23/2024	4	<0.0250	<0.0500	<20.0	48.9	<50.0	48.9	48.9	67.6
FS52	8/13/2024	3	<0.0250	<0.0500	<20.0	28.1	<50.0	28.1	28.1	81.9
FS53	8/22/2024	0.5	<0.0250	<0.0500	<20.0	34.8	<50.0	34.8	34.8	70.3
FS54	8/22/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	489



TABLE 2 - CONT'D
SOIL SAMPLE ANALYTICAL RESULTS
 Rebel 20 Federal 6Y
 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	20,000
Confirmation Soil Samples										
FS55	8/22/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	185
FS56	8/22/2024	0.5	<0.0250	<0.0500	<20.0	227	66.6	227	293.6	157
FS57	8/22/2024	0.5	<0.0250	<0.0500	<20.0	278	96.1	278	374.1	74.6
FS58	8/26/2024	5	<0.0250	<0.0500	<20.0	43.6	<20.0	43.6	43.6	51.1
FS59	8/23/2024	4	<0.0250	<0.0500	<20.0	735	301	735	1,036	527

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Grey text represents samples that have been excavated

<: Laboratory Analytical result is less than reporting limit

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

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

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes



TABLE 3
SOIL SAMPLE ANALYTICAL RESULTS
 Rebel 20 Federal 6Y
 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	20,000
Confirmation Sidewall Soil Samples										
SW01	8/9/2024	0-2.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	738
SW01	8/22/2024	0-2.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	83.6
SW02	8/13/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SW03	8/13/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	40.2
SW04	8/26/2024	0-2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	296
SW05	8/22/2024	0-2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SW06	8/23/2024	0-3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	96.7
SW07	8/23/2024	0-4	<0.0250	<0.0500	<20.0	74.8	<50.0	74.8	74.8	174
SW08	8/26/2024	0-5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	27.2
SW09	8/26/2024	0-5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SW10	8/23/2024	0-2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SW11	8/26/2024	0-2.5	<0.0250	<0.0500	<20.0	29.2	<50.0	29.2	29.2	68.1
SW12	8/26/2024	0-2.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	34.3
SW13	9/12/2024	0-1.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	23.1
SW14	9/12/2024	4-5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	147

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Grey text represents samples that have been excavated

<": Laboratory Analytical result is less than reporting limit

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

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

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes



APPENDIX A

Well Log and Record



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO) POD 1		WELL TAG ID NO N/A		OSE FILE NO(S) C-04845 POD 1			
	WELL OWNER NAME(S) Devon Energy Production Company				PHONE (OPTIONAL) 575-748-1838			
	WELL OWNER MAILING ADDRESS 205 E. Bender Road #150				CITY Hobbs	STATE NM	ZIP 88210	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 12	SECONDS 35.14 N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND			
		LONGITUDE -103	41	45.53 W	* DATUM REQUIRED: WGS 84			
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE Unit C, Section 20, Township 24S, Range 32E, Lea County								
2. DRILLING & CASING INFORMATION	LICENSE NO WD1188		NAME OF LICENSED DRILLER John Scarborough			NAME OF WELL DRILLING COMPANY John Scarborough Drilling Inc.		
	DRILLING STARTED 06/26/2024		DRILLING ENDED 06/26/2024		DEPTH OF COMPLETED WELL (FT) 105	BORE HOLE DEPTH (FT) 105	DEPTH WATER FIRST ENCOUNTERED (FT) N/A	
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT) N/A		
	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:							
	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM. (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	0 105		5	Soil Boring	-	-	-	-
3. ANNULAR MATERIAL	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL		AMOUNT (cubic feet)	METHOD OF PLACEMENT	
				N/A				

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 04/30/19)

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	10	10	Sand, Medium to light brown, Medium to coarse	Y ✓ N	
	10	20	10	Sandy caliche, White to pink, Medium to fine	Y ✓ N	
	20	30	10	Sand with gravel, Brown to red, Medium to coarse with some gravel	Y ✓ N	
	30	40	10	Sand with clay, Medium to light brown, Medium to fine some very fine	Y ✓ N	
	40	50	10	Sand with clay, Red to light brown, Medium to fine some gravel	Y ✓ N	
	50	60	10	Sand with clay, Red to light brown, Medium to very fine trace gravel	Y ✓ N	
	60	70	10	Sand with clay, Medium to light brown, Medium to very fine	Y ✓ N	
	70	80	10	Sand with clay, Medium brown to red, Medium to fine trace very fine	Y ✓ N	
	80	90	10	Sand with clay, Medium brown to red, Medium to fine trace very fine	Y ✓ N	
	90	100	10	Clay with sand, Red to medium brown, fine to very fine	Y ✓ N	
	100	105	5	Sand with clay, Red to medium brown, Medium to fine trace very fine	Y ✓ N	
	105	105	0	Sand with clay, Red to medium brown, Medium to fine trace very fine	Y ✓ N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY:					TOTAL ESTIMATED WELL YIELD (gpm): 0.00	

5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.
		MISCELLANEOUS INFORMATION: Temporary well material removed and soil boring backfilled using drill cuttings from total depth to 10 ft below ground surface (bgs), then hydrated bentonite chips 10 ft bgs to ground surface.
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:	

6. SIGNATURE	BY SIGNING BELOW, I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED WELL. I ALSO CERTIFY THAT THE WELL TAG, IF REQUIRED, HAS BEEN INSTALLED AND THAT THIS WELL RECORD WILL ALSO BE FILED WITH THE PERMIT HOLDER WITHIN 30 DAYS AFTER THE COMPLETION OF WELL DRILLING	
Scott Scarborough	Digitally signed by Scott Scarborough Date: 2024.07.03 06:47:30 -06'00'	DATE
SIGNATURE OF DRILLER / PRINT SIGNED NAME		

FOR OSE INTERNAL USE


WR-20 WELL RECORD & LOG (Version 04/30/2019)


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





APPENDIX B

Lithologic Soil Sampling Logs

								Sample Name: BH01		Date: 04/03/2024	
								Site Name: Rebel 20 Federal 6Y			
								Incident Number: nAPP2406964143			
								Job Number: 03A1987125			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: Israel Estrella		Method: Backhoe	
Coordinates: 32.209761, -103.698666								Hole Diameter: 2'		Total Depth: 3'	
Comments: Field screening conducted with HACH Chloride Test Strips and a PetroFLAG® Soil Analyzer System for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.											
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
M	3,612		N	BH01	0	0	CCHE	Caliche, No stain, Moist			
M	ND	117	N	BH01	1	1	SP-SM	Red sand, No stain, Moist			
M	ND	30	N	BH01	2	2	SP-SM	Red sand, No stain, Moist			
M	ND	31	N	BH01	3	3	SP-SM	Red sand, No stain, Moist			
Total Depth = 3 ft bgs											

 ENSOLUM		Sample Name: BH02		Date: 04/03/2024				
		Site Name: Rebel 20 Federal 6Y						
		Incident Number: nAPP2406964143						
		Job Number: 03A1987125						
LITHOLOGIC / SOIL SAMPLING LOG								
Coordinates: 32.210089, -103.698130			Logged By: Israel Estrella		Method: Backhoe			
			Hole Diameter: 2'		Total Depth: 3'			
Comments: Field screening conducted with HACH Chloride Test Strips and a PetroFLAG® Soil Analyzer System for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.								
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
M	1,562		N	BH02	0	0	SP-SM	Red sand, No stain, Moist
M	ND		N	BH02	1	1	SP-SM	Red sand, No stain, Moist
M	996		N	BH02	2	2	SP-SM	Red sand, No stain, Moist
M	ND	51	N	BH02	3	3	SP-SM	Red sand, No stain, Moist
Total Depth = 3 ft bgs								

								Sample Name: PH01		Date: 04/03/2024	
								Site Name: Rebel 20 Federal 6Y			
								Incident Number: nAPP2406964143			
								Job Number: 03A1987125			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: Israel Estrella		Method: Backhoe	
Coordinates: 32.209377, -103.698755								Hole Diameter: 2'		Total Depth: 3'	
Comments: Field screening conducted with HACH Chloride Test Strips and a PetroFLAG® Soil Analyzer System for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.											
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
M	12,611		N	PH01		0	CCHE	Caliche, No stain, Moist			
M	912		N	PH01		1	SP-SM	Red sand, No stain, Moist			
M	274	51	N	PH01		2	SP-SM	Red sand, No stain, Moist			
M	ND		N	PH01		3	SP-SM	Red sand, No stain, Moist			
Total Depth = 3 ft bgs											

								Sample Name: PH02		Date: 04/03/2024	
								Site Name: Rebel 20 Federal 6Y			
								Incident Number: nAPP2406964143			
								Job Number: 03A1987125			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: Israel Estrella		Method: Backhoe	
Coordinates: 32.209685, -103.698685								Hole Diameter: 2'		Total Depth: 4'	
Comments: Field screening conducted with HACH Chloride Test Strips and a PetroFIAG® Soil Analyzer System for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.											
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
M	7,403		N	PH02	0	0	CCHE	Caliche, No stain, Moist			
M	3,348		N	PH02	1	1	SP-SM	Red sand, No stain, Moist			
M	3,612		N	PH02	2	2	SP-SM	Red sand, No stain, Moist			
M	ND	19	N	PH02	3	3	SP-SM	Red sand, No stain, Moist			
M	ND		N	PH02	4	4	SP-SM	Red sand, No stain, Moist			
Total Depth = 4 ft bgs											



APPENDIX C

Photographic Log



Photographic Log

Devon Energy Production Company, LP
Rebel 20 Federal 6Y
nAPP2406964143



Lease sign
Ensolum, LLC

Rebel 20 Federal 6Y
20 Mar 2024, 10:23:04

Photograph 1
Description: Site Signage
View: South

Date: 03/20/2024



Spill area
Ensolum, LLC

Rebel 20 Federal 6Y
20 Mar 2024, 10:24:11

Photograph 2
Description: Point of Release (POR)
View: Southeast

Date: 03/20/2024



Spill area
Ensolum, LLC

Rebel 20 Federal 6Y
20 Mar 2024, 10:24:45

Photograph 3
Description: Release Extent
View: East

Date: 03/20/2024



Spill area
Ensolum, LLC

Rebel 20 Federal 6Y
20 Mar 2024, 10:26:29

Photograph 4
Description: Release Extent
View: South

Date: 03/20/2024



Photographic Log

Devon Energy Production Company, LP
Rebel 20 Federal 6Y
nAPP2406964143



Photograph 5
Description: Release Extent
View: Northwest

Date: 03/20/2024



Photograph 6
Description: Lateral Delineation Sampling
View: North

Date: 03/20/2024



Photograph 7
Description: Lateral Delineation Sampling
View: Northwest

Date: 03/21/2024



Photograph 8
Description: Lateral Delineation Sampling
View: East

Date: 03/21/2024

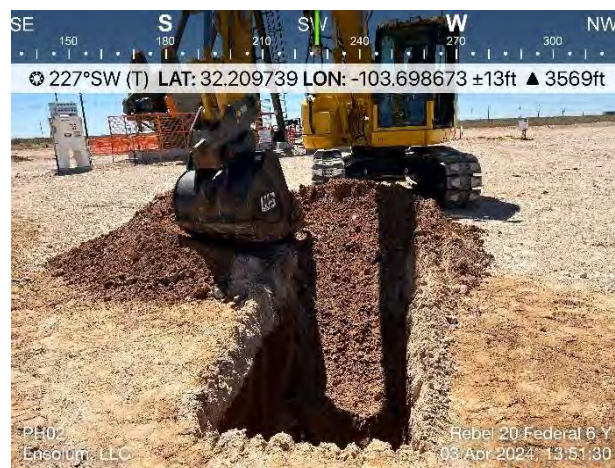


Photographic Log

Devon Energy Production Company, LP
Rebel 20 Federal 6Y
nAPP2406964143



Photograph 9 Date: 04/03/2024
Description: Vertical Delineation Sampling
View: Southwest



Photograph 10 Date: 04/03/2024
Description: Vertical Delineation Sampling
View: Southwest



Photograph 11 Date: 06/26/2024
Description: Depth to Water (DTW) Boring
View: South



Photograph 12 Date: 06/26/2024
Description: Depth to Water (DTW) Boring
View: South



Photographic Log

Devon Energy Production Company, LP
Rebel 20 Fedral 6Y
nAPP2406964143



Photograph 13

Date: 08/07/2024

Description: Excavation Activities

View: Southwest



Photograph 14

Date: 08/07/2024

Description: Excavation Activities

View: Northwest



Photograph 15

Date: 08/08/2024

Description: Excavation Activities

View: Northwest



Photograph 16

Date: 08/08/2024

Description: Excavation Activities

View: South



Photographic Log

Devon Energy Production Company, LP
Rebel 20 Fedral 6Y
nAPP2406964143



Photograph 17

Date: 08/09/2024

Description: Excavation Activities

View: East



Photograph 18

Date: 08/09/2024

Description: Excavation Activities

View: Northeast



Photograph 19

Date: 08/12/2024

Description: Excavation Activities

View: Southwest



Photograph 20

Date: 08/12/2024

Description: Excavation Activities

View: Southwest



Photographic Log

Devon Energy Production Company, LP
Rebel 20 Fedral 6Y
nAPP2406964143



Photograph 21

Date: 08/13/2024

Description: Excavation Activities

View: West

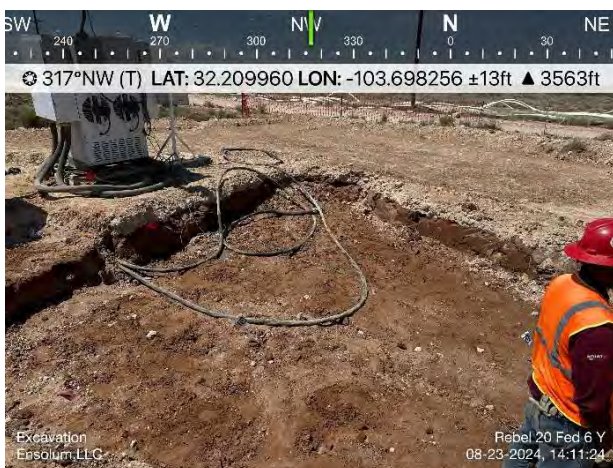


Photograph 22

Date: 08/22/2024

Description: Excavation Activities

View: Southeast



Photograph 23

Date: 08/23/2024

Description: Excavation Activities

View: Northwest



Photograph 24

Date: 08/26/2024

Description: Excavation Activities

View: Southwest



Photographic Log

Devon Energy Production Company, LP
Rebel 20 Fedral 6Y
nAPP2406964143



Photograph 25

Date: 09/12/2024

Description: Excavation Activities

View: Northeast



Photograph 26

Date: 09/12/2024

Description: Excavation Activities

View: Northeast



Photograph 27

Date: 09/12/2024

Description: Excavation Activities

View: Northeast



Photograph 28

Date: 09/12/2024

Description: Excavation Activities

View: Northeast

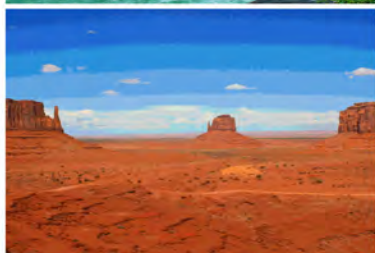


APPENDIX D

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: Rebel 20 Federal 6Y

Work Order: E403210

Job Number: 01058-0007

Received: 3/22/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
3/27/24

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: 3/27/24



Ashley Giovengo
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Rebel 20 Federal 6Y
Workorder: E403210
Date Received: 3/22/2024 7:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/22/2024 7:00:00AM, under the Project Name: Rebel 20 Federal 6Y.

The analytical test results summarized in this report with the Project Name: Rebel 20 Federal 6Y 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

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljjarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
SS01-0'	5
SS02-0'	6
SS03-0'	7
SS05-0'	8
SS06-0'	9
QC Summary Data	10
QC - Volatile Organics by EPA 8021B	10
QC - Nonhalogenated Organics by EPA 8015D - GRO	11
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	12
QC - Anions by EPA 300.0/9056A	13
Definitions and Notes	14
Chain of Custody etc.	15

Sample Summary

Devon Energy - Carlsbad	Project Name:	Rebel 20 Federal 6Y	Reported: 03/27/24 14:10
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
SS01-0'	E403210-01A	Soil	03/20/24	03/22/24	Glass Jar, 2 oz.
SS02-0'	E403210-02A	Soil	03/20/24	03/22/24	Glass Jar, 2 oz.
SS03-0'	E403210-03A	Soil	03/20/24	03/22/24	Glass Jar, 2 oz.
SS05-0'	E403210-04A	Soil	03/20/24	03/22/24	Glass Jar, 2 oz.
SS06-0'	E403210-05A	Soil	03/20/24	03/22/24	Glass Jar, 2 oz.



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Rebel 20 Federal 6Y Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 3/27/2024 2:10:19PM
---	---	----------------------------------

SS01-0'
E403210-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG		Batch: 2412103	
Benzene	ND	0.0250	1	03/22/24	03/22/24	
Ethylbenzene	ND	0.0250	1	03/22/24	03/22/24	
Toluene	ND	0.0250	1	03/22/24	03/22/24	
o-Xylene	ND	0.0250	1	03/22/24	03/22/24	
p,m-Xylene	ND	0.0500	1	03/22/24	03/22/24	
Total Xylenes	ND	0.0250	1	03/22/24	03/22/24	
Surrogate: 4-Bromochlorobenzene-PID	92.9 %	70-130		03/22/24	03/22/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG		Batch: 2412103	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/22/24	03/22/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	96.3 %	70-130		03/22/24	03/22/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2413011	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/25/24	03/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/25/24	03/26/24	
Surrogate: n-Nonane	77.8 %	50-200		03/25/24	03/26/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2412105	
Chloride	ND	20.0	1	03/22/24	03/23/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Rebel 20 Federal 6Y Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 3/27/2024 2:10:19PM
---	---	----------------------------------

SS02-0'

E403210-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG		Batch: 2412103	
Benzene	ND	0.0250	1	03/22/24	03/22/24	
Ethylbenzene	ND	0.0250	1	03/22/24	03/22/24	
Toluene	ND	0.0250	1	03/22/24	03/22/24	
o-Xylene	ND	0.0250	1	03/22/24	03/22/24	
p,m-Xylene	ND	0.0500	1	03/22/24	03/22/24	
Total Xylenes	ND	0.0250	1	03/22/24	03/22/24	
Surrogate: 4-Bromochlorobenzene-PID	93.5 %	70-130		03/22/24	03/22/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG		Batch: 2412103	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/22/24	03/22/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	95.8 %	70-130		03/22/24	03/22/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2413011	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/25/24	03/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/25/24	03/26/24	
Surrogate: n-Nonane	77.1 %	50-200		03/25/24	03/26/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2412105	
Chloride	84.1	20.0	1	03/22/24	03/23/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Rebel 20 Federal 6Y Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 3/27/2024 2:10:19PM
---	---	----------------------------------

SS03-0'

E403210-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG		Batch: 2412103	
Benzene	ND	0.0250	1	03/22/24	03/22/24	
Ethylbenzene	ND	0.0250	1	03/22/24	03/22/24	
Toluene	ND	0.0250	1	03/22/24	03/22/24	
o-Xylene	ND	0.0250	1	03/22/24	03/22/24	
p,m-Xylene	ND	0.0500	1	03/22/24	03/22/24	
Total Xylenes	ND	0.0250	1	03/22/24	03/22/24	
Surrogate: 4-Bromochlorobenzene-PID	93.1 %	70-130		03/22/24	03/22/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG		Batch: 2412103	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/22/24	03/22/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	97.2 %	70-130		03/22/24	03/22/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2413011	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/25/24	03/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/25/24	03/26/24	
Surrogate: n-Nonane	73.2 %	50-200		03/25/24	03/26/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2412105	
Chloride	47.4	20.0	1	03/22/24	03/23/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Rebel 20 Federal 6Y Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 3/27/2024 2:10:19PM
---	---	----------------------------------

SS05-0'

E403210-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG		Batch: 2412103	
Benzene	ND	0.0250	1	03/22/24	03/22/24	
Ethylbenzene	ND	0.0250	1	03/22/24	03/22/24	
Toluene	ND	0.0250	1	03/22/24	03/22/24	
o-Xylene	ND	0.0250	1	03/22/24	03/22/24	
p,m-Xylene	ND	0.0500	1	03/22/24	03/22/24	
Total Xylenes	ND	0.0250	1	03/22/24	03/22/24	
Surrogate: 4-Bromochlorobenzene-PID	93.9 %	70-130		03/22/24	03/22/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG		Batch: 2412103	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/22/24	03/22/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	97.8 %	70-130		03/22/24	03/22/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2413011	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/25/24	03/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/25/24	03/26/24	
Surrogate: n-Nonane	75.5 %	50-200		03/25/24	03/26/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2412105	
Chloride	ND	20.0	1	03/22/24	03/23/24	



Sample Data

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

Project Name: Rebel 20 Federal 6Y
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
3/27/2024 2:10:19PM

SS06-0'

E403210-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG		Batch: 2412103	
Benzene	ND	0.0250	1	03/22/24	03/22/24	
Ethylbenzene	ND	0.0250	1	03/22/24	03/22/24	
Toluene	ND	0.0250	1	03/22/24	03/22/24	
o-Xylene	ND	0.0250	1	03/22/24	03/22/24	
p,m-Xylene	ND	0.0500	1	03/22/24	03/22/24	
Total Xylenes	ND	0.0250	1	03/22/24	03/22/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	94.2 %	70-130		03/22/24	03/22/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG		Batch: 2412103	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/22/24	03/22/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	97.4 %	70-130		03/22/24	03/22/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2413011	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/25/24	03/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/25/24	03/26/24	
<i>Surrogate: n-Nonane</i>	75.6 %	50-200		03/25/24	03/26/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2412105	
Chloride	88.6	20.0	1	03/22/24	03/23/24	



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Rebel 20 Federal 6Y	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	3/27/2024 2:10:19PM

Volatile Organics by EPA 8021B

Analyst: EG

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

Blank (2412103-BLK1) Prepared: 03/22/24 Analyzed: 03/22/24

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	7.53		8.00		94.1	70-130			

LCS (2412103-BS1) Prepared: 03/22/24 Analyzed: 03/22/24

Benzene	5.04	0.0250	5.00		101	70-130			
Ethylbenzene	4.99	0.0250	5.00		99.9	70-130			
Toluene	5.00	0.0250	5.00		100	70-130			
o-Xylene	4.93	0.0250	5.00		98.6	70-130			
p,m-Xylene	10.0	0.0500	10.0		100	70-130			
Total Xylenes	15.0	0.0250	15.0		99.8	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.58		8.00		94.7	70-130			

Matrix Spike (2412103-MS1) Source: E403208-12 Prepared: 03/22/24 Analyzed: 03/22/24

Benzene	5.00	0.0250	5.00	ND	100	54-133			
Ethylbenzene	4.97	0.0250	5.00	ND	99.4	61-133			
Toluene	4.97	0.0250	5.00	ND	99.5	61-130			
o-Xylene	4.91	0.0250	5.00	ND	98.3	63-131			
p,m-Xylene	10.0	0.0500	10.0	ND	100	63-131			
Total Xylenes	14.9	0.0250	15.0	ND	99.5	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.54		8.00		94.2	70-130			

Matrix Spike Dup (2412103-MSD1) Source: E403208-12 Prepared: 03/22/24 Analyzed: 03/22/24

Benzene	4.78	0.0250	5.00	ND	95.6	54-133	4.45	20	
Ethylbenzene	4.75	0.0250	5.00	ND	95.0	61-133	4.56	20	
Toluene	4.75	0.0250	5.00	ND	95.1	61-130	4.56	20	
o-Xylene	4.71	0.0250	5.00	ND	94.3	63-131	4.14	20	
p,m-Xylene	9.58	0.0500	10.0	ND	95.8	63-131	4.51	20	
Total Xylenes	14.3	0.0250	15.0	ND	95.3	63-131	4.39	20	
Surrogate: 4-Bromochlorobenzene-PID	7.65		8.00		95.7	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Rebel 20 Federal 6Y	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	3/27/2024 2:10:19PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: EG

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

Blank (2412103-BLK1) Prepared: 03/22/24 Analyzed: 03/22/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.78		8.00		97.2	70-130			

LCS (2412103-BS2) Prepared: 03/22/24 Analyzed: 03/22/24

Gasoline Range Organics (C6-C10)	50.7	20.0	50.0		101	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.74		8.00		96.8	70-130			

Matrix Spike (2412103-MS2) Source: E403208-12 Prepared: 03/22/24 Analyzed: 03/22/24

Gasoline Range Organics (C6-C10)	50.1	20.0	50.0	ND	100	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.77		8.00		97.1	70-130			

Matrix Spike Dup (2412103-MSD2) Source: E403208-12 Prepared: 03/22/24 Analyzed: 03/22/24

Gasoline Range Organics (C6-C10)	50.5	20.0	50.0	ND	101	70-130	0.654	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.72		8.00		96.5	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Rebel 20 Federal 6Y	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	3/27/2024 2:10:19PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

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

Blank (2413011-BLK1)					Prepared: 03/25/24 Analyzed: 03/26/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	40.3		50.0		80.5	50-200			

LCS (2413011-BS1)					Prepared: 03/25/24 Analyzed: 03/26/24				
Diesel Range Organics (C10-C28)	257	25.0	250		103	38-132			
Surrogate: n-Nonane	39.3		50.0		78.7	50-200			

Matrix Spike (2413011-MS1)					Source: E403209-04		Prepared: 03/25/24 Analyzed: 03/26/24		
Diesel Range Organics (C10-C28)	256	25.0	250	ND	102	38-132			
Surrogate: n-Nonane	38.9		50.0		77.8	50-200			

Matrix Spike Dup (2413011-MSD1)					Source: E403209-04		Prepared: 03/25/24 Analyzed: 03/26/24		
Diesel Range Organics (C10-C28)	251	25.0	250	ND	100	38-132	1.70	20	
Surrogate: n-Nonane	41.6		50.0		83.2	50-200			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Rebel 20 Federal 6Y	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	3/27/2024 2:10:19PM

Anions by EPA 300.0/9056A

Analyst: IY

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

Blank (2412105-BLK1)				Prepared: 03/22/24 Analyzed: 03/22/24					
Chloride	ND	20.0							
LCS (2412105-BS1)				Prepared: 03/22/24 Analyzed: 03/22/24					
Chloride	248	20.0	250		99.3	90-110			
Matrix Spike (2412105-MS1)				Source: E403208-08		Prepared: 03/22/24 Analyzed: 03/22/24			
Chloride	372	20.0	250	128	97.6	80-120			
Matrix Spike Dup (2412105-MSD1)				Source: E403208-08		Prepared: 03/22/24 Analyzed: 03/22/24			
Chloride	370	20.0	250	128	96.5	80-120	0.761	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:	Rebel 20 Federal 6Y	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	03/27/24 14:10

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

Client: Devon					Bill To		Lab Use Only				TAT			EPA Program													
Project: Rebel 20 Federal6Y					Attention: Dale Woodall		Lab WO#		Job Number		1D	2D	3D	Standard	CWA	SDWA											
Project Manager: Ashley Giovengo					Address: 205 E Bender Road #150		E403210		01058-0007					x													
Address: 3122 National Parks Hwy					City, State, Zip: Hobbs NM, 88240		Analysis and Method												RCRA								
City, State, Zip: Carlsbad NM, 88220					Phone: (575)748-1838		TPH GRO/DRO/GRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM		GDOC TX											
Phone: 575-988-0055					Email: dale.woodall@dvn.com													State					NM	CO	UT	AZ	TX
Email: agiovengo@ensolum.com																							x				
Report due by:																	Remarks										
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number																						
12:39	3/20/2024	Soil	1	SS01 - 0'	1									X													
12:02	3/20/2024	Soil	1	SS02 - 0'	2									X													
12:04	3/20/2024	Soil	1	SS03 - 0'	3									X													
12:42	3/20/2024	Soil	1	SS05 - 0'	4									X													
11:12	3/20/2024	Soil	1	SS06 - 0'	5									X													
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, dale.woodall@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 mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.											Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.																
Sampled by: Israel Estrella																											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only																			
		3/21/24	8:10			3-21-24	0810	Received on ice: <input checked="" type="radio"/> Y / N																			
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 T2 T3																			
		3-21-24	1400			3-21-24	1800																				
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	AVG Temp °C																			
		3-21-24	2400			3-22-24	0700	4																			
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other											Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above sample 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: 3/25/2024 12:53:22PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Devon Energy - Carlsbad	Date Received:	03/22/24 07:00	Work Order ID:	E403210
Phone:	(505) 382-1211	Date Logged In:	03/21/24 16:48	Logged In By:	Alexa Michaels
Email:	ashley.giovengo@wescominc.com	Due Date:	03/28/24 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? 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: Rebel 20 Federal 6Y

Work Order: E403238

Job Number: 01058-0007

Received: 3/25/2024

Revision: 3

Report Reviewed By:

Walter Hinchman
Laboratory Director
4/2/24

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: 4/2/24

Ashley Giovengo
6488 7 Rivers Hwy
Artesia, NM 88210



Project Name: Rebel 20 Federal 6Y
Workorder: E403238
Date Received: 3/25/2024 10:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/25/2024 10:00:00AM, under the Project Name: Rebel 20 Federal 6Y.

The analytical test results summarized in this report with the Project Name: Rebel 20 Federal 6Y 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

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljjarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
SS04-0'	5
SS07-0'	6
SS08-0'	7
QC Summary Data	8
QC - Volatile Organic Compounds by EPA 8260B	8
QC - Nonhalogenated Organics by EPA 8015D - GRO	9
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	10
QC - Anions by EPA 300.0/9056A	11
Definitions and Notes	12
Chain of Custody etc.	13

Sample Summary

Devon Energy - Carlsbad	Project Name:	Rebel 20 Federal 6Y	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	04/02/24 15:45

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS04-0'	E403238-01A	Soil	03/21/24	03/25/24	Glass Jar, 2 oz.
SS07-0'	E403238-02A	Soil	03/21/24	03/25/24	Glass Jar, 2 oz.
SS08-0'	E403238-03A	Soil	03/21/24	03/25/24	Glass Jar, 2 oz.



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Rebel 20 Federal 6Y Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 4/2/2024 3:45:37PM
---	---	---------------------------------

SS04-0'
E403238-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS		Batch: 2413038	
Benzene	ND	0.0250	1	03/26/24	03/28/24	
Ethylbenzene	ND	0.0250	1	03/26/24	03/28/24	
Toluene	ND	0.0250	1	03/26/24	03/28/24	
o-Xylene	ND	0.0250	1	03/26/24	03/28/24	
p,m-Xylene	ND	0.0500	1	03/26/24	03/28/24	
Total Xylenes	ND	0.0250	1	03/26/24	03/28/24	
Surrogate: Bromofluorobenzene		108 %	70-130	03/26/24	03/28/24	
Surrogate: 1,2-Dichloroethane-d4		94.8 %	70-130	03/26/24	03/28/24	
Surrogate: Toluene-d8		104 %	70-130	03/26/24	03/28/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2413038	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/26/24	03/28/24	
Surrogate: Bromofluorobenzene		108 %	70-130	03/26/24	03/28/24	
Surrogate: 1,2-Dichloroethane-d4		94.8 %	70-130	03/26/24	03/28/24	
Surrogate: Toluene-d8		104 %	70-130	03/26/24	03/28/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2413089	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/28/24	03/29/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/28/24	03/29/24	
Surrogate: n-Nonane		99.8 %	50-200	03/28/24	03/29/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2413046	
Chloride	38.6	20.0	1	03/26/24	03/27/24	



Sample Data

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

Project Name: Rebel 20 Federal 6Y
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
4/2/2024 3:45:37PM

SS07-0'

E403238-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2413038
Benzene	ND	0.0250	1	03/26/24	03/28/24	
Ethylbenzene	ND	0.0250	1	03/26/24	03/28/24	
Toluene	ND	0.0250	1	03/26/24	03/28/24	
o-Xylene	ND	0.0250	1	03/26/24	03/28/24	
p,m-Xylene	ND	0.0500	1	03/26/24	03/28/24	
Total Xylenes	ND	0.0250	1	03/26/24	03/28/24	
Surrogate: Bromofluorobenzene		111 %	70-130	03/26/24	03/28/24	
Surrogate: 1,2-Dichloroethane-d4		93.2 %	70-130	03/26/24	03/28/24	
Surrogate: Toluene-d8		106 %	70-130	03/26/24	03/28/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2413038
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/26/24	03/28/24	
Surrogate: Bromofluorobenzene		111 %	70-130	03/26/24	03/28/24	
Surrogate: 1,2-Dichloroethane-d4		93.2 %	70-130	03/26/24	03/28/24	
Surrogate: Toluene-d8		106 %	70-130	03/26/24	03/28/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2413089
Diesel Range Organics (C10-C28)	ND	25.0	1	03/28/24	03/29/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/28/24	03/29/24	
Surrogate: n-Nonane		91.9 %	50-200	03/28/24	03/29/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2413046
Chloride	139	20.0	1	03/26/24	03/27/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Rebel 20 Federal 6Y Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 4/2/2024 3:45:37PM
---	---	---------------------------------

SS08-0'

E403238-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2413038
Benzene	ND	0.0250	1	03/26/24	03/28/24	
Ethylbenzene	ND	0.0250	1	03/26/24	03/28/24	
Toluene	ND	0.0250	1	03/26/24	03/28/24	
o-Xylene	ND	0.0250	1	03/26/24	03/28/24	
p,m-Xylene	ND	0.0500	1	03/26/24	03/28/24	
Total Xylenes	ND	0.0250	1	03/26/24	03/28/24	
Surrogate: Bromofluorobenzene		109 %	70-130	03/26/24	03/28/24	
Surrogate: 1,2-Dichloroethane-d4		92.7 %	70-130	03/26/24	03/28/24	
Surrogate: Toluene-d8		107 %	70-130	03/26/24	03/28/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2413038
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/26/24	03/28/24	
Surrogate: Bromofluorobenzene		109 %	70-130	03/26/24	03/28/24	
Surrogate: 1,2-Dichloroethane-d4		92.7 %	70-130	03/26/24	03/28/24	
Surrogate: Toluene-d8		107 %	70-130	03/26/24	03/28/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2413089
Diesel Range Organics (C10-C28)	ND	25.0	1	03/28/24	03/29/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/28/24	03/29/24	
Surrogate: n-Nonane		90.0 %	50-200	03/28/24	03/29/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2413046
Chloride	237	20.0	1	03/26/24	03/27/24	



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Rebel 20 Federal 6Y	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	4/2/2024 3:45:37PM

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

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

Blank (2413038-BLK1) Prepared: 03/26/24 Analyzed: 03/28/24

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.528		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.470		0.500		94.0	70-130			
Surrogate: Toluene-d8	0.543		0.500		109	70-130			

LCS (2413038-BS1) Prepared: 03/26/24 Analyzed: 03/28/24

Benzene	2.88	0.0250	2.50		115	70-130			
Ethylbenzene	2.77	0.0250	2.50		111	70-130			
Toluene	2.95	0.0250	2.50		118	70-130			
o-Xylene	2.78	0.0250	2.50		111	70-130			
p,m-Xylene	5.46	0.0500	5.00		109	70-130			
Total Xylenes	8.24	0.0250	7.50		110	70-130			
Surrogate: Bromofluorobenzene	0.533		0.500		107	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.500		0.500		99.9	70-130			
Surrogate: Toluene-d8	0.534		0.500		107	70-130			

Matrix Spike (2413038-MS1) Source: E403234-04 Prepared: 03/26/24 Analyzed: 03/28/24

Benzene	2.37	0.0250	2.50	ND	94.8	48-131			
Ethylbenzene	2.31	0.0250	2.50	ND	92.4	45-135			
Toluene	2.44	0.0250	2.50	ND	97.6	48-130			
o-Xylene	2.36	0.0250	2.50	ND	94.2	43-135			
p,m-Xylene	4.67	0.0500	5.00	ND	93.5	43-135			
Total Xylenes	7.03	0.0250	7.50	ND	93.7	43-135			
Surrogate: Bromofluorobenzene	0.526		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.477		0.500		95.3	70-130			
Surrogate: Toluene-d8	0.527		0.500		105	70-130			

Matrix Spike Dup (2413038-MSD1) Source: E403234-04 Prepared: 03/26/24 Analyzed: 03/28/24

Benzene	2.84	0.0250	2.50	ND	114	48-131	18.2	23	
Ethylbenzene	2.75	0.0250	2.50	ND	110	45-135	17.4	27	
Toluene	2.93	0.0250	2.50	ND	117	48-130	18.3	24	
o-Xylene	2.90	0.0250	2.50	ND	116	43-135	20.6	27	
p,m-Xylene	5.68	0.0500	5.00	ND	114	43-135	19.5	27	
Total Xylenes	8.58	0.0250	7.50	ND	114	43-135	19.9	27	
Surrogate: Bromofluorobenzene	0.545		0.500		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.480		0.500		95.9	70-130			
Surrogate: Toluene-d8	0.521		0.500		104	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Rebel 20 Federal 6Y	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	4/2/2024 3:45:37PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

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

Blank (2413038-BLK1) Prepared: 03/26/24 Analyzed: 03/28/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.528		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.470		0.500		94.0	70-130			
Surrogate: Toluene-d8	0.543		0.500		109	70-130			

LCS (2413038-BS2) Prepared: 03/26/24 Analyzed: 03/28/24

Gasoline Range Organics (C6-C10)	57.6	20.0	50.0		115	70-130			
Surrogate: Bromofluorobenzene	0.568		0.500		114	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.456		0.500		91.2	70-130			
Surrogate: Toluene-d8	0.551		0.500		110	70-130			

Matrix Spike (2413038-MS2) Source: E403234-04 Prepared: 03/26/24 Analyzed: 03/28/24

Gasoline Range Organics (C6-C10)	56.6	20.0	50.0	ND	113	70-130			
Surrogate: Bromofluorobenzene	0.550		0.500		110	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.476		0.500		95.2	70-130			
Surrogate: Toluene-d8	0.546		0.500		109	70-130			

Matrix Spike Dup (2413038-MSD2) Source: E403234-04 Prepared: 03/26/24 Analyzed: 03/28/24

Gasoline Range Organics (C6-C10)	56.8	20.0	50.0	ND	114	70-130	0.425	20	
Surrogate: Bromofluorobenzene	0.549		0.500		110	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.466		0.500		93.2	70-130			
Surrogate: Toluene-d8	0.539		0.500		108	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Rebel 20 Federal 6Y	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	4/2/2024 3:45:37PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

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

Blank (2413089-BLK1)					Prepared: 03/28/24 Analyzed: 03/28/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	49.7		50.0		99.3	50-200			

LCS (2413089-BS1)					Prepared: 03/28/24 Analyzed: 03/28/24				
Diesel Range Organics (C10-C28)	309	25.0	250		123	38-132			
Surrogate: n-Nonane	55.5		50.0		111	50-200			

Matrix Spike (2413089-MS1)					Source: E403223-25		Prepared: 03/28/24 Analyzed: 03/28/24		
Diesel Range Organics (C10-C28)	326	25.0	250	ND	130	38-132			
Surrogate: n-Nonane	55.3		50.0		111	50-200			

Matrix Spike Dup (2413089-MSD1)					Source: E403223-25		Prepared: 03/28/24 Analyzed: 03/28/24		
Diesel Range Organics (C10-C28)	310	25.0	250	ND	124	38-132	4.80	20	
Surrogate: n-Nonane	54.3		50.0		109	50-200			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Rebel 20 Federal 6Y	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	4/2/2024 3:45:37PM

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 (2413046-BLK1)					Prepared: 03/26/24 Analyzed: 03/26/24				
Chloride	ND	20.0							
LCS (2413046-BS1)					Prepared: 03/26/24 Analyzed: 03/26/24				
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2413046-MS1)					Source: E403239-01		Prepared: 03/26/24 Analyzed: 03/26/24		
Chloride	1290	20.0	250	1060	94.3	80-120			
Matrix Spike Dup (2413046-MSD1)					Source: E403239-01		Prepared: 03/26/24 Analyzed: 03/26/24		
Chloride	1530	20.0	250	1060	189	80-120	16.8	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:	Rebel 20 Federal 6Y	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	04/02/24 15:45

- M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.

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

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



Client: Devon						Bill To							Lab Use Only								TAT				EPA Program				
Project: Rebel 20 Federal 6Y						Attention: Dale Woodall						Lab WO# E403238				Job Number 01058-0009				1D	2D	3D	Standard	CWA	SDWA				
Project Manager: Ashley Giovengo						Address: 205 E Bender Road #150																		x					
Address: 3122 National Parks Hwy						City, State, Zip: Hobbs NM, 88240						Analysis and Method																	
City, State, Zip: Carlsbad NM, 88220						Phone: (575)748-1838						TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM	GDOC TX	State								
Email: agiovengo@ensolum.com						Email: dale.woodall@dvn.com															NM	CO	UT	AZ	TX				
Report due by:												x																	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number																	Remarks							
9:46	3/21/2024	Soil	1	SS04A - 0'	1												X												
9:48	3/21/2024	Soil	1	SS07 - 0'	2												X												
9:50	3/21/2024	Soil	1	SS08 - 0'	3												X												
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, dale.woodall@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 mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.												Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.																	
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Lab Use Only																	
		3/22/24		9:03				3-22-24		1125		Received on ice: Y/N																	
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		T1 T2 T3																	
		3-22-24		1530				3/25/24		1000																			
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 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above sample 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: 3/26/2024 2:18:12PM

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:	WPX Energy - Carlsbad	Date Received:	03/25/24 10:00	Work Order ID:	E403238
Phone:	(539) 573-4018	Date Logged In:	03/25/24 17:47	Logged In By:	Alexa Michaels
Email:	devon-team@etechenv.com	Due Date:	03/29/24 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? 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: Rebel 20 Federal 6Y

Work Order: E404034

Job Number: 01058-0007

Received: 4/5/2024

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
4/11/24

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 4/11/24



Ashley Giovengo
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Rebel 20 Federal 6Y
Workorder: E404034
Date Received: 4/5/2024 6:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/5/2024 6:30:00AM, under the Project Name: Rebel 20 Federal 6Y.

The analytical test results summarized in this report with the Project Name: Rebel 20 Federal 6Y 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

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljjarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
PH01 -0'	5
PH01 -1'	6
PH02 -0'	7
PH02 -3'	8
BH01 -0'	9
BH01 -2'	10
BH02 -0'	11
BH02 -3'	12
QC Summary Data	13
QC - Volatile Organics by EPA 8021B	13
QC - Nonhalogenated Organics by EPA 8015D - GRO	14
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	15
QC - Anions by EPA 300.0/9056A	16
Definitions and Notes	17
Chain of Custody etc.	18

Sample Summary

Devon Energy - Carlsbad	Project Name:	Rebel 20 Federal 6Y	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	04/11/24 15:50

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
PH01 -0'	E404034-01A	Soil	04/03/24	04/05/24	Glass Jar, 2 oz.
PH01 -1'	E404034-02A	Soil	04/03/24	04/05/24	Glass Jar, 2 oz.
PH02 -0'	E404034-03A	Soil	04/03/24	04/05/24	Glass Jar, 2 oz.
PH02 -3'	E404034-04A	Soil	04/03/24	04/05/24	Glass Jar, 2 oz.
BH01 -0'	E404034-05A	Soil	04/03/24	04/05/24	Glass Jar, 2 oz.
BH01 -2'	E404034-06A	Soil	04/03/24	04/05/24	Glass Jar, 2 oz.
BH02 -0'	E404034-07A	Soil	04/03/24	04/05/24	Glass Jar, 2 oz.
BH02 -3'	E404034-08A	Soil	04/03/24	04/05/24	Glass Jar, 2 oz.



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Rebel 20 Federal 6Y Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 4/11/2024 3:50:16PM
---	---	----------------------------------

PH01 -0'

E404034-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2414072	
Benzene	0.0251	0.0250	1	04/05/24	04/05/24	
Ethylbenzene	0.404	0.0250	1	04/05/24	04/05/24	
Toluene	0.814	0.0250	1	04/05/24	04/05/24	
o-Xylene	1.55	0.0250	1	04/05/24	04/05/24	
p,m-Xylene	3.85	0.0500	1	04/05/24	04/05/24	
Total Xylenes	5.40	0.0250	1	04/05/24	04/05/24	
Surrogate: 4-Bromochlorobenzene-PID	111 %	70-130		04/05/24	04/05/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2414072	
Gasoline Range Organics (C6-C10)	58.5	20.0	1	04/05/24	04/05/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	92.1 %	70-130		04/05/24	04/05/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2414070	
Diesel Range Organics (C10-C28)	5290	25.0	1	04/05/24	04/09/24	
Oil Range Organics (C28-C36)	1560	50.0	1	04/05/24	04/09/24	
Surrogate: n-Nonane	119 %	50-200		04/05/24	04/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2414065	
Chloride	10800	200	10	04/05/24	04/05/24	



Sample Data

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

Project Name: Rebel 20 Federal 6Y
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
4/11/2024 3:50:16PM

PH01 -1'

E404034-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2414072	
Benzene	ND	0.0250	1	04/05/24	04/05/24	
Ethylbenzene	ND	0.0250	1	04/05/24	04/05/24	
Toluene	ND	0.0250	1	04/05/24	04/05/24	
o-Xylene	ND	0.0250	1	04/05/24	04/05/24	
p,m-Xylene	ND	0.0500	1	04/05/24	04/05/24	
Total Xylenes	ND	0.0250	1	04/05/24	04/05/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	04/05/24	04/05/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2414072	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/05/24	04/05/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.0 %	70-130	04/05/24	04/05/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2414070	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/05/24	04/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/05/24	04/09/24	
<i>Surrogate: n-Nonane</i>						
		76.3 %	50-200	04/05/24	04/09/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2414065	
Chloride	232	20.0	1	04/05/24	04/05/24	



Sample Data

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

Project Name: Rebel 20 Federal 6Y
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
4/11/2024 3:50:16PM

PH02 -0'

E404034-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2414072	
Benzene	4.11	0.125	5	04/05/24	04/08/24	
Ethylbenzene	13.0	0.125	5	04/05/24	04/08/24	
Toluene	40.8	0.125	5	04/05/24	04/08/24	
o-Xylene	26.9	0.125	5	04/05/24	04/08/24	
p,m-Xylene	76.2	0.250	5	04/05/24	04/08/24	
Total Xylenes	103	0.125	5	04/05/24	04/08/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		108 %	70-130	04/05/24	04/08/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2414072	
Gasoline Range Organics (C6-C10)	1120	100	5	04/05/24	04/08/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		99.7 %	70-130	04/05/24	04/08/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2414070	
Diesel Range Organics (C10-C28)	20500	250	10	04/05/24	04/10/24	
Oil Range Organics (C28-C36)	4790	500	10	04/05/24	04/10/24	
<i>Surrogate: n-Nonane</i>						
		697 %	50-200	04/05/24	04/10/24	S5
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2414065	
Chloride	6310	100	5	04/05/24	04/05/24	



Sample Data

Devon Energy - Carlsbad	Project Name:	Rebel 20 Federal 6Y	Reported: 4/11/2024 3:50:16PM
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	

PH02 -3'

E404034-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2414072	
Benzene	ND	0.0250	1	04/05/24	04/08/24	
Ethylbenzene	ND	0.0250	1	04/05/24	04/08/24	
Toluene	ND	0.0250	1	04/05/24	04/08/24	
o-Xylene	ND	0.0250	1	04/05/24	04/08/24	
p,m-Xylene	ND	0.0500	1	04/05/24	04/08/24	
Total Xylenes	ND	0.0250	1	04/05/24	04/08/24	
Surrogate: 4-Bromochlorobenzene-PID	97.7 %	70-130		04/05/24	04/08/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2414072	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/05/24	04/08/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	90.7 %	70-130		04/05/24	04/08/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2414070	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/05/24	04/10/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/05/24	04/10/24	
Surrogate: n-Nonane	105 %	50-200		04/05/24	04/10/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2414065	
Chloride	ND	20.0	1	04/05/24	04/05/24	



Sample Data

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

Project Name: Rebel 20 Federal 6Y
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
4/11/2024 3:50:16PM

BH01 -0'

E404034-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2414072	
Benzene	1.68	0.0250	1	04/05/24	04/05/24	
Ethylbenzene	3.64	0.0250	1	04/05/24	04/05/24	
Toluene	14.5	0.0250	1	04/05/24	04/05/24	
o-Xylene	7.63	0.0250	1	04/05/24	04/05/24	
p,m-Xylene	21.1	0.0500	1	04/05/24	04/05/24	
Total Xylenes	28.8	0.0250	1	04/05/24	04/05/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		106 %	70-130	04/05/24	04/05/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2414072	
Gasoline Range Organics (C6-C10)	224	20.0	1	04/05/24	04/05/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.2 %	70-130	04/05/24	04/05/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2414070	
Diesel Range Organics (C10-C28)	23100	250	10	04/05/24	04/10/24	
Oil Range Organics (C28-C36)	6240	500	10	04/05/24	04/10/24	
<i>Surrogate: n-Nonane</i>						
		564 %	50-200	04/05/24	04/10/24	S5
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2414065	
Chloride	5520	100	5	04/05/24	04/05/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Rebel 20 Federal 6Y Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 4/11/2024 3:50:16PM
---	---	----------------------------------

BH01 -2'

E404034-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2414072	
Benzene	ND	0.0250	1	04/05/24	04/06/24	
Ethylbenzene	ND	0.0250	1	04/05/24	04/06/24	
Toluene	ND	0.0250	1	04/05/24	04/06/24	
o-Xylene	ND	0.0250	1	04/05/24	04/06/24	
p,m-Xylene	ND	0.0500	1	04/05/24	04/06/24	
Total Xylenes	ND	0.0250	1	04/05/24	04/06/24	
Surrogate: 4-Bromochlorobenzene-PID	101 %	70-130		04/05/24	04/06/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2414072	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/05/24	04/06/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	90.2 %	70-130		04/05/24	04/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2414070	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/05/24	04/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/05/24	04/09/24	
Surrogate: n-Nonane	82.5 %	50-200		04/05/24	04/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2414065	
Chloride	27.9	20.0	1	04/05/24	04/05/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Rebel 20 Federal 6Y Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 4/11/2024 3:50:16PM
---	---	----------------------------------

BH02 -0'

E404034-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2414072	
Benzene	0.163	0.0250	1	04/05/24	04/06/24	
Ethylbenzene	1.65	0.0250	1	04/05/24	04/06/24	
Toluene	3.22	0.0250	1	04/05/24	04/06/24	
o-Xylene	4.93	0.0250	1	04/05/24	04/06/24	
p,m-Xylene	11.4	0.0500	1	04/05/24	04/06/24	
Total Xylenes	16.3	0.0250	1	04/05/24	04/06/24	
Surrogate: 4-Bromochlorobenzene-PID	113 %	70-130		04/05/24	04/06/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2414072	
Gasoline Range Organics (C6-C10)	111	20.0	1	04/05/24	04/06/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	93.1 %	70-130		04/05/24	04/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2414070	
Diesel Range Organics (C10-C28)	8810	125	5	04/05/24	04/11/24	
Oil Range Organics (C28-C36)	2340	250	5	04/05/24	04/11/24	
Surrogate: n-Nonane	92.2 %	50-200		04/05/24	04/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2414065	
Chloride	1510	20.0	1	04/05/24	04/05/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Rebel 20 Federal 6Y Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 4/11/2024 3:50:16PM
---	---	----------------------------------

BH02 -3'

E404034-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2414072	
Benzene	ND	0.0250	1	04/05/24	04/06/24	
Ethylbenzene	ND	0.0250	1	04/05/24	04/06/24	
Toluene	ND	0.0250	1	04/05/24	04/06/24	
o-Xylene	ND	0.0250	1	04/05/24	04/06/24	
p,m-Xylene	ND	0.0500	1	04/05/24	04/06/24	
Total Xylenes	ND	0.0250	1	04/05/24	04/06/24	
Surrogate: 4-Bromochlorobenzene-PID	102 %	70-130		04/05/24	04/06/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2414072	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/05/24	04/06/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	89.4 %	70-130		04/05/24	04/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2414070	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/05/24	04/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	04/05/24	04/11/24	
Surrogate: n-Nonane	109 %	50-200		04/05/24	04/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2414065	
Chloride	28.8	20.0	1	04/05/24	04/05/24	



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Rebel 20 Federal 6Y	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	4/11/2024 3:50:16PM

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 (2414072-BLK1)Prepared: 04/05/24 Analyzed: 04/05/24

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.71		8.00		96.4	70-130			

LCS (2414072-BS1)Prepared: 04/05/24 Analyzed: 04/05/24

Benzene	5.31	0.0250	5.00		106	70-130			
Ethylbenzene	5.16	0.0250	5.00		103	70-130			
Toluene	5.30	0.0250	5.00		106	70-130			
o-Xylene	5.24	0.0250	5.00		105	70-130			
p,m-Xylene	10.5	0.0500	10.0		105	70-130			
Total Xylenes	15.8	0.0250	15.0		105	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.82		8.00		97.8	70-130			

Matrix Spike (2414072-MS1)Source: E404034-05Prepared: 04/05/24 Analyzed: 04/05/24

Benzene	6.57	0.0250	5.00	1.68	97.8	54-133			
Ethylbenzene	8.02	0.0250	5.00	3.64	87.7	61-133			
Toluene	17.7	0.0250	5.00	14.5	63.9	61-130			
o-Xylene	11.5	0.0250	5.00	7.63	78.0	63-131			
p,m-Xylene	27.8	0.0500	10.0	21.1	66.1	63-131			
Total Xylenes	39.3	0.0250	15.0	28.8	70.1	63-131			
Surrogate: 4-Bromochlorobenzene-PID	8.56		8.00		107	70-130			

Matrix Spike Dup (2414072-MSD1)Source: E404034-05Prepared: 04/05/24 Analyzed: 04/05/24

Benzene	5.92	0.0250	5.00	1.68	84.8	54-133	10.4	20	
Ethylbenzene	7.46	0.0250	5.00	3.64	76.3	61-133	7.32	20	
Toluene	17.9	0.0250	5.00	14.5	67.7	61-130	1.09	20	
o-Xylene	11.3	0.0250	5.00	7.63	74.1	63-131	1.72	20	
p,m-Xylene	28.0	0.0500	10.0	21.1	68.6	63-131	0.906	20	
Total Xylenes	39.3	0.0250	15.0	28.8	70.4	63-131	0.143	20	
Surrogate: 4-Bromochlorobenzene-PID	8.58		8.00		107	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Rebel 20 Federal 6Y	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	4/11/2024 3:50:16PM

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

Blank (2414072-BLK1) Prepared: 04/05/24 Analyzed: 04/05/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.20		8.00		90.1	70-130			

LCS (2414072-BS2) Prepared: 04/05/24 Analyzed: 04/05/24

Gasoline Range Organics (C6-C10)	45.5	20.0	50.0		91.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.38		8.00		92.2	70-130			

Matrix Spike (2414072-MS2) Source: E404034-05 Prepared: 04/05/24 Analyzed: 04/05/24

Gasoline Range Organics (C6-C10)	235	20.0	50.0	224	21.5	70-130			M4
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.59		8.00		94.8	70-130			

Matrix Spike Dup (2414072-MSD2) Source: E404034-05 Prepared: 04/05/24 Analyzed: 04/05/24

Gasoline Range Organics (C6-C10)	247	20.0	50.0	224	44.9	70-130	4.87	20	M4
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.72		8.00		96.5	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Rebel 20 Federal 6Y	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	4/11/2024 3:50:16PM

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

Blank (2414070-BLK1)					Prepared: 04/05/24 Analyzed: 04/08/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	40.4		50.0		80.7	50-200			

LCS (2414070-BS1)					Prepared: 04/05/24 Analyzed: 04/09/24				
Diesel Range Organics (C10-C28)	245	25.0	250		98.0	38-132			
Surrogate: n-Nonane	43.7		50.0		87.4	50-200			

Matrix Spike (2414070-MS1)					Source: E404034-01		Prepared: 04/05/24 Analyzed: 04/09/24		
Diesel Range Organics (C10-C28)	5960	25.0	250	5290	267	38-132			M4
Surrogate: n-Nonane	62.5		50.0		125	50-200			

Matrix Spike Dup (2414070-MSD1)					Source: E404034-01		Prepared: 04/05/24 Analyzed: 04/09/24		
Diesel Range Organics (C10-C28)	5550	25.0	250	5290	106	38-132	7.00	20	
Surrogate: n-Nonane	60.6		50.0		121	50-200			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Rebel 20 Federal 6Y	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	4/11/2024 3:50:16PM

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 (2414065-BLK1)					Prepared: 04/05/24 Analyzed: 04/05/24				
Chloride	ND	20.0							
LCS (2414065-BS1)					Prepared: 04/05/24 Analyzed: 04/05/24				
Chloride	249	20.0	250		99.6	90-110			
Matrix Spike (2414065-MS1)					Source: E404031-01		Prepared: 04/05/24 Analyzed: 04/05/24		
Chloride	598	40.0	250	302	119	80-120			
Matrix Spike Dup (2414065-MSD1)					Source: E404031-01		Prepared: 04/05/24 Analyzed: 04/05/24		
Chloride	572	40.0	250	302	108	80-120	4.54	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:	Rebel 20 Federal 6Y	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	04/11/24 15:50

- 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.



Project Information

Chain of Custody

Page 1 of 1

Client: Devon	Bill To	Lab Use Only	TAT	EPA Program
Project: Rebel 20 Federal 6Y	Attention: Dale Woodall	Lab WO# E404034	1D 2D 3D Standard x	CWA SDWA
Project Manager: Ashley Giovengo	Address: 205 E Bender Road #150	Job Number D1058-0007		RCRA
Address: 3122 National Parks Hwy	City, State, Zip: Hobbs NM, 88240	Analysis and Method		
City, State, Zip: Carlsbad NM, 88220	Phone: (575)748-1838			
Phone: 575-988-0055	Email: dale.woodall@dvn.com			
Email: agiovengo@ensolum.com				
Report due by:				

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BDOC NM	GDOC TX	Remarks
9:28	4/3/2024	Soil	1	PH01 - 0'	1						X		
9:34	4/3/2024	Soil	1	PH01 - 1'	2						X		
10:02	4/3/2024	Soil	1	PH02 - 0'	3						X		
10:28	4/3/2024	Soil	1	PH02 - 3'	4						X		
10:43	4/3/2024	Soil	1	BH01 - 0'	5						X		
10:49	4/3/2024	Soil	1	BH01 - 2'	6						X		
12:02	4/3/2024	Soil	1	BH02 - 0'	7						X		
12:17	4/3/2024	Soil	1	BH02 - 3'	8						X		

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, dale.woodall@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 mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by: Israel Estrella

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only
<i>[Signature]</i>	4/4/24	9:25	<i>Michelle Conley</i>	4-4-24	0925	Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	T1 T2 T3
<i>Michelle Conley</i>	4-4-24	1547	<i>Andrew M880</i>	4-4-24	1730	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	AVG Temp °C
<i>Andrew M880</i>	4-4-24	2330	<i>[Signature]</i>	4/5/24	1030	4

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

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

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above sample 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: 4/5/2024 12:30:33PM

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:	04/05/24 06:30	Work Order ID:	E404034
Phone:	(505) 382-1211	Date Logged In:	04/04/24 16:09	Logged In By:	Angelina Pineda
Email:	ashley.giovengo@wescominc.com	Due Date:	04/11/24 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 (pca 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: Rebel 20 Federal 6Y

Work Order: E408112

Job Number: 01058-0007

Received: 8/12/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
8/16/24

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: 8/16/24

Ashley Giovengo
6488 7 Rivers Hwy
Artesia, NM 88210



Project Name: Rebel 20 Federal 6Y
Workorder: E408112
Date Received: 8/12/2024 8:15:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/12/2024 8:15:00AM, under the Project Name: Rebel 20 Federal 6Y.

The analytical test results summarized in this report with the Project Name: Rebel 20 Federal 6Y 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
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljjarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	5
Sample Data	6
FS01-2'	6
FS02-0.5'	7
FS03-0.5'	8
FS04-0.5'	9
FS05-0.5'	10
FS06-0.5'	11
FS07-0.5'	12
FS08-0.5'	13
FS09-0.5'	14
FS10-0.5'	15
FS11-0.5'	16
FS12-0.5'	17
FS13-0.5'	18
FS14-0.5'	19
FS15-0.5'	20
FS16-0.5'	21
FS17-0.5'	22
FS18-0.5'	23
FS22-0.5'	24
FS23-0.5'	25

Table of Contents (continued)

FS24-0.5'	26
FS25-0.5'	27
QC Summary Data	28
QC - Volatile Organic Compounds by EPA8260B	28
QC - Nonhalogenated Organics by EPA 8015D - GRO	30
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	32
QC - Anions by EPA 300.0/9056A	34
Definitions and Notes	36
Chain of Custody etc.	37

Sample Summary

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Rebel 20 Federal 6Y Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 08/16/24 11:08
---	---	-----------------------------

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS01-2'	E408112-01A	Soil	08/08/24	08/12/24	Glass Jar, 2 oz.
FS02-0.5'	E408112-02A	Soil	08/08/24	08/12/24	Glass Jar, 2 oz.
FS03-0.5'	E408112-03A	Soil	08/08/24	08/12/24	Glass Jar, 2 oz.
FS04-0.5'	E408112-04A	Soil	08/08/24	08/12/24	Glass Jar, 2 oz.
FS05-0.5'	E408112-05A	Soil	08/08/24	08/12/24	Glass Jar, 2 oz.
FS06-0.5'	E408112-06A	Soil	08/08/24	08/12/24	Glass Jar, 2 oz.
FS07-0.5'	E408112-07A	Soil	08/08/24	08/12/24	Glass Jar, 2 oz.
FS08-0.5'	E408112-08A	Soil	08/08/24	08/12/24	Glass Jar, 2 oz.
FS09-0.5'	E408112-09A	Soil	08/08/24	08/12/24	Glass Jar, 2 oz.
FS10-0.5'	E408112-10A	Soil	08/08/24	08/12/24	Glass Jar, 2 oz.
FS11-0.5'	E408112-11A	Soil	08/08/24	08/12/24	Glass Jar, 2 oz.
FS12-0.5'	E408112-12A	Soil	08/08/24	08/12/24	Glass Jar, 2 oz.
FS13-0.5'	E408112-13A	Soil	08/08/24	08/12/24	Glass Jar, 2 oz.
FS14-0.5'	E408112-14A	Soil	08/08/24	08/12/24	Glass Jar, 2 oz.
FS15-0.5'	E408112-15A	Soil	08/08/24	08/12/24	Glass Jar, 2 oz.
FS16-0.5'	E408112-16A	Soil	08/08/24	08/12/24	Glass Jar, 2 oz.
FS17-0.5'	E408112-17A	Soil	08/08/24	08/12/24	Glass Jar, 2 oz.
FS18-0.5'	E408112-18A	Soil	08/08/24	08/12/24	Glass Jar, 2 oz.
FS22-0.5'	E408112-19A	Soil	08/08/24	08/12/24	Glass Jar, 2 oz.
FS23-0.5'	E408112-20A	Soil	08/08/24	08/12/24	Glass Jar, 2 oz.
FS24-0.5'	E408112-21A	Soil	08/08/24	08/12/24	Glass Jar, 2 oz.
FS25-0.5'	E408112-22A	Soil	08/08/24	08/12/24	Glass Jar, 2 oz.



Sample Data

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

Project Name: Rebel 20 Federal 6Y
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
8/16/2024 11:08:21AM

FS01-2'

E408112-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2433015
Benzene	ND	0.0250	1	08/12/24	08/13/24	
Ethylbenzene	ND	0.0250	1	08/12/24	08/13/24	
Toluene	ND	0.0250	1	08/12/24	08/13/24	
o-Xylene	ND	0.0250	1	08/12/24	08/13/24	
p,m-Xylene	ND	0.0500	1	08/12/24	08/13/24	
Total Xylenes	ND	0.0250	1	08/12/24	08/13/24	
Surrogate: Bromofluorobenzene		100 %	70-130	08/12/24	08/13/24	
Surrogate: 1,2-Dichloroethane-d4		95.9 %	70-130	08/12/24	08/13/24	
Surrogate: Toluene-d8		105 %	70-130	08/12/24	08/13/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2433015
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/12/24	08/13/24	
Surrogate: Bromofluorobenzene		100 %	70-130	08/12/24	08/13/24	
Surrogate: 1,2-Dichloroethane-d4		95.9 %	70-130	08/12/24	08/13/24	
Surrogate: Toluene-d8		105 %	70-130	08/12/24	08/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2433013
Diesel Range Organics (C10-C28)	54.5	25.0	1	08/12/24	08/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/12/24	08/12/24	
Surrogate: n-Nonane		110 %	50-200	08/12/24	08/12/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2433024
Chloride	2500	40.0	2	08/12/24	08/13/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Rebel 20 Federal 6Y Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 8/16/2024 11:08:21AM
---	---	-----------------------------------

FS02-0.5'

E408112-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2433015
Benzene	ND	0.0250	1	08/12/24	08/13/24	
Ethylbenzene	ND	0.0250	1	08/12/24	08/13/24	
Toluene	ND	0.0250	1	08/12/24	08/13/24	
o-Xylene	ND	0.0250	1	08/12/24	08/13/24	
p,m-Xylene	ND	0.0500	1	08/12/24	08/13/24	
Total Xylenes	ND	0.0250	1	08/12/24	08/13/24	
Surrogate: Bromofluorobenzene	97.8 %	70-130		08/12/24	08/13/24	
Surrogate: 1,2-Dichloroethane-d4	96.9 %	70-130		08/12/24	08/13/24	
Surrogate: Toluene-d8	104 %	70-130		08/12/24	08/13/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2433015
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/12/24	08/13/24	
Surrogate: Bromofluorobenzene	97.8 %	70-130		08/12/24	08/13/24	
Surrogate: 1,2-Dichloroethane-d4	96.9 %	70-130		08/12/24	08/13/24	
Surrogate: Toluene-d8	104 %	70-130		08/12/24	08/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2433013
Diesel Range Organics (C10-C28)	ND	25.0	1	08/12/24	08/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/12/24	08/12/24	
Surrogate: n-Nonane	109 %	50-200		08/12/24	08/12/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2433024
Chloride	2030	40.0	2	08/12/24	08/13/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Rebel 20 Federal 6Y Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 8/16/2024 11:08:21AM
---	---	-----------------------------------

FS03-0.5'

E408112-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2433015
Benzene	ND	0.0250	1	08/12/24	08/13/24	
Ethylbenzene	ND	0.0250	1	08/12/24	08/13/24	
Toluene	ND	0.0250	1	08/12/24	08/13/24	
o-Xylene	ND	0.0250	1	08/12/24	08/13/24	
p,m-Xylene	ND	0.0500	1	08/12/24	08/13/24	
Total Xylenes	ND	0.0250	1	08/12/24	08/13/24	
Surrogate: Bromofluorobenzene	97.4 %	70-130		08/12/24	08/13/24	
Surrogate: 1,2-Dichloroethane-d4	98.8 %	70-130		08/12/24	08/13/24	
Surrogate: Toluene-d8	105 %	70-130		08/12/24	08/13/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2433015
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/12/24	08/13/24	
Surrogate: Bromofluorobenzene	97.4 %	70-130		08/12/24	08/13/24	
Surrogate: 1,2-Dichloroethane-d4	98.8 %	70-130		08/12/24	08/13/24	
Surrogate: Toluene-d8	105 %	70-130		08/12/24	08/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2433013
Diesel Range Organics (C10-C28)	ND	25.0	1	08/12/24	08/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/12/24	08/12/24	
Surrogate: n-Nonane	111 %	50-200		08/12/24	08/12/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2433024
Chloride	3680	40.0	2	08/12/24	08/13/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Rebel 20 Federal 6Y Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 8/16/2024 11:08:21AM
---	---	-----------------------------------

FS04-0.5'

E408112-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2433015
Benzene	ND	0.0250	1	08/12/24	08/13/24	
Ethylbenzene	ND	0.0250	1	08/12/24	08/13/24	
Toluene	ND	0.0250	1	08/12/24	08/13/24	
o-Xylene	ND	0.0250	1	08/12/24	08/13/24	
p,m-Xylene	ND	0.0500	1	08/12/24	08/13/24	
Total Xylenes	ND	0.0250	1	08/12/24	08/13/24	
Surrogate: Bromofluorobenzene	97.6 %	70-130		08/12/24	08/13/24	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		08/12/24	08/13/24	
Surrogate: Toluene-d8	105 %	70-130		08/12/24	08/13/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2433015
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/12/24	08/13/24	
Surrogate: Bromofluorobenzene	97.6 %	70-130		08/12/24	08/13/24	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		08/12/24	08/13/24	
Surrogate: Toluene-d8	105 %	70-130		08/12/24	08/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2433013
Diesel Range Organics (C10-C28)	287	25.0	1	08/12/24	08/12/24	
Oil Range Organics (C28-C36)	112	50.0	1	08/12/24	08/12/24	
Surrogate: n-Nonane	112 %	50-200		08/12/24	08/12/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2433024
Chloride	765	20.0	1	08/12/24	08/13/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Rebel 20 Federal 6Y Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 8/16/2024 11:08:21AM
---	---	-----------------------------------

FS05-0.5'

E408112-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2433015
Benzene	ND	0.0250	1	08/12/24	08/13/24	
Ethylbenzene	ND	0.0250	1	08/12/24	08/13/24	
Toluene	ND	0.0250	1	08/12/24	08/13/24	
o-Xylene	ND	0.0250	1	08/12/24	08/13/24	
p,m-Xylene	ND	0.0500	1	08/12/24	08/13/24	
Total Xylenes	ND	0.0250	1	08/12/24	08/13/24	
Surrogate: Bromofluorobenzene	99.3 %	70-130		08/12/24	08/13/24	
Surrogate: 1,2-Dichloroethane-d4	98.0 %	70-130		08/12/24	08/13/24	
Surrogate: Toluene-d8	105 %	70-130		08/12/24	08/13/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2433015
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/12/24	08/13/24	
Surrogate: Bromofluorobenzene	99.3 %	70-130		08/12/24	08/13/24	
Surrogate: 1,2-Dichloroethane-d4	98.0 %	70-130		08/12/24	08/13/24	
Surrogate: Toluene-d8	105 %	70-130		08/12/24	08/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2433013
Diesel Range Organics (C10-C28)	ND	25.0	1	08/12/24	08/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/12/24	08/12/24	
Surrogate: n-Nonane	111 %	50-200		08/12/24	08/12/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2433024
Chloride	1300	20.0	1	08/12/24	08/13/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Rebel 20 Federal 6Y Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 8/16/2024 11:08:21AM
---	---	-----------------------------------

FS06-0.5'

E408112-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2433015
Benzene	ND	0.0250	1	08/12/24	08/13/24	
Ethylbenzene	ND	0.0250	1	08/12/24	08/13/24	
Toluene	ND	0.0250	1	08/12/24	08/13/24	
o-Xylene	ND	0.0250	1	08/12/24	08/13/24	
p,m-Xylene	ND	0.0500	1	08/12/24	08/13/24	
Total Xylenes	ND	0.0250	1	08/12/24	08/13/24	
Surrogate: Bromofluorobenzene	99.6 %	70-130		08/12/24	08/13/24	
Surrogate: 1,2-Dichloroethane-d4	95.7 %	70-130		08/12/24	08/13/24	
Surrogate: Toluene-d8	105 %	70-130		08/12/24	08/13/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2433015
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/12/24	08/13/24	
Surrogate: Bromofluorobenzene	99.6 %	70-130		08/12/24	08/13/24	
Surrogate: 1,2-Dichloroethane-d4	95.7 %	70-130		08/12/24	08/13/24	
Surrogate: Toluene-d8	105 %	70-130		08/12/24	08/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2433013
Diesel Range Organics (C10-C28)	178	25.0	1	08/12/24	08/12/24	
Oil Range Organics (C28-C36)	66.0	50.0	1	08/12/24	08/12/24	
Surrogate: n-Nonane	111 %	50-200		08/12/24	08/12/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2433024
Chloride	1350	20.0	1	08/12/24	08/13/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Rebel 20 Federal 6Y Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 8/16/2024 11:08:21AM
---	---	-----------------------------------

FS07-0.5'

E408112-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2433015
Benzene	ND	0.0250	1	08/12/24	08/13/24	
Ethylbenzene	ND	0.0250	1	08/12/24	08/13/24	
Toluene	ND	0.0250	1	08/12/24	08/13/24	
o-Xylene	ND	0.0250	1	08/12/24	08/13/24	
p,m-Xylene	ND	0.0500	1	08/12/24	08/13/24	
Total Xylenes	ND	0.0250	1	08/12/24	08/13/24	
Surrogate: Bromofluorobenzene	98.6 %	70-130		08/12/24	08/13/24	
Surrogate: 1,2-Dichloroethane-d4	92.9 %	70-130		08/12/24	08/13/24	
Surrogate: Toluene-d8	104 %	70-130		08/12/24	08/13/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2433015
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/12/24	08/13/24	
Surrogate: Bromofluorobenzene	98.6 %	70-130		08/12/24	08/13/24	
Surrogate: 1,2-Dichloroethane-d4	92.9 %	70-130		08/12/24	08/13/24	
Surrogate: Toluene-d8	104 %	70-130		08/12/24	08/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2433013
Diesel Range Organics (C10-C28)	540	25.0	1	08/12/24	08/12/24	
Oil Range Organics (C28-C36)	170	50.0	1	08/12/24	08/12/24	
Surrogate: n-Nonane	113 %	50-200		08/12/24	08/12/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2433024
Chloride	1520	20.0	1	08/12/24	08/13/24	



Sample Data

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

Project Name: Rebel 20 Federal 6Y
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
8/16/2024 11:08:21AM

FS08-0.5'

E408112-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2433015
Benzene	ND	0.0250	1	08/12/24	08/13/24	
Ethylbenzene	ND	0.0250	1	08/12/24	08/13/24	
Toluene	ND	0.0250	1	08/12/24	08/13/24	
o-Xylene	ND	0.0250	1	08/12/24	08/13/24	
p,m-Xylene	ND	0.0500	1	08/12/24	08/13/24	
Total Xylenes	ND	0.0250	1	08/12/24	08/13/24	
Surrogate: Bromofluorobenzene	96.3 %	70-130		08/12/24	08/13/24	
Surrogate: 1,2-Dichloroethane-d4	98.1 %	70-130		08/12/24	08/13/24	
Surrogate: Toluene-d8	106 %	70-130		08/12/24	08/13/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2433015
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/12/24	08/13/24	
Surrogate: Bromofluorobenzene	96.3 %	70-130		08/12/24	08/13/24	
Surrogate: 1,2-Dichloroethane-d4	98.1 %	70-130		08/12/24	08/13/24	
Surrogate: Toluene-d8	106 %	70-130		08/12/24	08/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2433013
Diesel Range Organics (C10-C28)	43.8	25.0	1	08/12/24	08/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/12/24	08/12/24	
Surrogate: n-Nonane	114 %	50-200		08/12/24	08/12/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2433024
Chloride	1440	20.0	1	08/12/24	08/13/24	



Sample Data

Devon Energy - Carlsbad	Project Name:	Rebel 20 Federal 6Y	Reported: 8/16/2024 11:08:21AM
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	

FS09-0.5'

E408112-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS		Batch: 2433015	
Benzene	ND	0.0250	1	08/12/24	08/13/24	
Ethylbenzene	ND	0.0250	1	08/12/24	08/13/24	
Toluene	ND	0.0250	1	08/12/24	08/13/24	
o-Xylene	ND	0.0250	1	08/12/24	08/13/24	
p,m-Xylene	ND	0.0500	1	08/12/24	08/13/24	
Total Xylenes	ND	0.0250	1	08/12/24	08/13/24	
Surrogate: Bromofluorobenzene	97.4 %	70-130		08/12/24	08/13/24	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		08/12/24	08/13/24	
Surrogate: Toluene-d8	106 %	70-130		08/12/24	08/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2433015	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/12/24	08/13/24	
Surrogate: Bromofluorobenzene	97.4 %	70-130		08/12/24	08/13/24	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		08/12/24	08/13/24	
Surrogate: Toluene-d8	106 %	70-130		08/12/24	08/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2433013	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/12/24	08/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/12/24	08/13/24	
Surrogate: n-Nonane	112 %	50-200		08/12/24	08/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2433024	
Chloride	1060	20.0	1	08/12/24	08/13/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Rebel 20 Federal 6Y Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 8/16/2024 11:08:21AM
---	---	-----------------------------------

FS10-0.5'

E408112-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2433015
Benzene	ND	0.0250	1	08/12/24	08/13/24	
Ethylbenzene	ND	0.0250	1	08/12/24	08/13/24	
Toluene	ND	0.0250	1	08/12/24	08/13/24	
o-Xylene	ND	0.0250	1	08/12/24	08/13/24	
p,m-Xylene	ND	0.0500	1	08/12/24	08/13/24	
Total Xylenes	ND	0.0250	1	08/12/24	08/13/24	
Surrogate: Bromofluorobenzene	98.2 %	70-130		08/12/24	08/13/24	
Surrogate: 1,2-Dichloroethane-d4	96.2 %	70-130		08/12/24	08/13/24	
Surrogate: Toluene-d8	105 %	70-130		08/12/24	08/13/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2433015
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/12/24	08/13/24	
Surrogate: Bromofluorobenzene	98.2 %	70-130		08/12/24	08/13/24	
Surrogate: 1,2-Dichloroethane-d4	96.2 %	70-130		08/12/24	08/13/24	
Surrogate: Toluene-d8	105 %	70-130		08/12/24	08/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2433013
Diesel Range Organics (C10-C28)	ND	25.0	1	08/12/24	08/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/12/24	08/13/24	
Surrogate: n-Nonane	114 %	50-200		08/12/24	08/13/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2433024
Chloride	1290	20.0	1	08/12/24	08/13/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Rebel 20 Federal 6Y Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 8/16/2024 11:08:21AM
---	---	-----------------------------------

FS11-0.5'

E408112-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2433015
Benzene	ND	0.0250	1	08/12/24	08/13/24	
Ethylbenzene	ND	0.0250	1	08/12/24	08/13/24	
Toluene	ND	0.0250	1	08/12/24	08/13/24	
o-Xylene	ND	0.0250	1	08/12/24	08/13/24	
p,m-Xylene	ND	0.0500	1	08/12/24	08/13/24	
Total Xylenes	ND	0.0250	1	08/12/24	08/13/24	
Surrogate: Bromofluorobenzene	98.2 %	70-130		08/12/24	08/13/24	
Surrogate: 1,2-Dichloroethane-d4	91.1 %	70-130		08/12/24	08/13/24	
Surrogate: Toluene-d8	105 %	70-130		08/12/24	08/13/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2433015
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/12/24	08/13/24	
Surrogate: Bromofluorobenzene	98.2 %	70-130		08/12/24	08/13/24	
Surrogate: 1,2-Dichloroethane-d4	91.1 %	70-130		08/12/24	08/13/24	
Surrogate: Toluene-d8	105 %	70-130		08/12/24	08/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2433013
Diesel Range Organics (C10-C28)	ND	25.0	1	08/12/24	08/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/12/24	08/13/24	
Surrogate: n-Nonane	113 %	50-200		08/12/24	08/13/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2433024
Chloride	1860	40.0	2	08/12/24	08/13/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Rebel 20 Federal 6Y Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 8/16/2024 11:08:21AM
---	---	-----------------------------------

FS12-0.5'

E408112-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2433015	
Benzene	ND	0.0250	1	08/12/24	08/13/24	
Ethylbenzene	ND	0.0250	1	08/12/24	08/13/24	
Toluene	ND	0.0250	1	08/12/24	08/13/24	
o-Xylene	ND	0.0250	1	08/12/24	08/13/24	
p,m-Xylene	ND	0.0500	1	08/12/24	08/13/24	
Total Xylenes	ND	0.0250	1	08/12/24	08/13/24	
Surrogate: Bromofluorobenzene	96.6 %	70-130		08/12/24	08/13/24	
Surrogate: 1,2-Dichloroethane-d4	99.6 %	70-130		08/12/24	08/13/24	
Surrogate: Toluene-d8	105 %	70-130		08/12/24	08/13/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2433015	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/12/24	08/13/24	
Surrogate: Bromofluorobenzene	96.6 %	70-130		08/12/24	08/13/24	
Surrogate: 1,2-Dichloroethane-d4	99.6 %	70-130		08/12/24	08/13/24	
Surrogate: Toluene-d8	105 %	70-130		08/12/24	08/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2433013	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/12/24	08/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/12/24	08/13/24	
Surrogate: n-Nonane	113 %	50-200		08/12/24	08/13/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: JM		Batch: 2433024	
Chloride	1800	40.0	2	08/12/24	08/13/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Rebel 20 Federal 6Y Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 8/16/2024 11:08:21AM
---	---	-----------------------------------

FS13-0.5'

E408112-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2433015	
Benzene	ND	0.0250	1	08/12/24	08/13/24	
Ethylbenzene	ND	0.0250	1	08/12/24	08/13/24	
Toluene	ND	0.0250	1	08/12/24	08/13/24	
o-Xylene	ND	0.0250	1	08/12/24	08/13/24	
p,m-Xylene	ND	0.0500	1	08/12/24	08/13/24	
Total Xylenes	ND	0.0250	1	08/12/24	08/13/24	
Surrogate: Bromofluorobenzene	96.9 %	70-130		08/12/24	08/13/24	
Surrogate: 1,2-Dichloroethane-d4	99.6 %	70-130		08/12/24	08/13/24	
Surrogate: Toluene-d8	106 %	70-130		08/12/24	08/13/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2433015	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/12/24	08/13/24	
Surrogate: Bromofluorobenzene	96.9 %	70-130		08/12/24	08/13/24	
Surrogate: 1,2-Dichloroethane-d4	99.6 %	70-130		08/12/24	08/13/24	
Surrogate: Toluene-d8	106 %	70-130		08/12/24	08/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2433013	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/12/24	08/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/12/24	08/13/24	
Surrogate: n-Nonane	115 %	50-200		08/12/24	08/13/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: JM		Batch: 2433024	
Chloride	1340	20.0	1	08/12/24	08/13/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Rebel 20 Federal 6Y Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 8/16/2024 11:08:21AM
---	---	-----------------------------------

FS14-0.5'

E408112-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2433015	
Benzene	ND	0.0250	1	08/12/24	08/13/24	
Ethylbenzene	ND	0.0250	1	08/12/24	08/13/24	
Toluene	ND	0.0250	1	08/12/24	08/13/24	
o-Xylene	ND	0.0250	1	08/12/24	08/13/24	
p,m-Xylene	ND	0.0500	1	08/12/24	08/13/24	
Total Xylenes	ND	0.0250	1	08/12/24	08/13/24	
Surrogate: Bromofluorobenzene	97.1 %	70-130		08/12/24	08/13/24	
Surrogate: 1,2-Dichloroethane-d4	98.6 %	70-130		08/12/24	08/13/24	
Surrogate: Toluene-d8	105 %	70-130		08/12/24	08/13/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2433015	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/12/24	08/13/24	
Surrogate: Bromofluorobenzene	97.1 %	70-130		08/12/24	08/13/24	
Surrogate: 1,2-Dichloroethane-d4	98.6 %	70-130		08/12/24	08/13/24	
Surrogate: Toluene-d8	105 %	70-130		08/12/24	08/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2433013	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/12/24	08/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/12/24	08/13/24	
Surrogate: n-Nonane	112 %	50-200		08/12/24	08/13/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: JM		Batch: 2433024	
Chloride	2620	40.0	2	08/12/24	08/13/24	



Sample Data

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

Project Name: Rebel 20 Federal 6Y
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
8/16/2024 11:08:21AM

FS15-0.5'

E408112-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2433015
Benzene	ND	0.0250	1	08/12/24	08/13/24	
Ethylbenzene	ND	0.0250	1	08/12/24	08/13/24	
Toluene	ND	0.0250	1	08/12/24	08/13/24	
o-Xylene	ND	0.0250	1	08/12/24	08/13/24	
p,m-Xylene	ND	0.0500	1	08/12/24	08/13/24	
Total Xylenes	ND	0.0250	1	08/12/24	08/13/24	
Surrogate: Bromofluorobenzene		101 %	70-130	08/12/24	08/13/24	
Surrogate: 1,2-Dichloroethane-d4		96.1 %	70-130	08/12/24	08/13/24	
Surrogate: Toluene-d8		106 %	70-130	08/12/24	08/13/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2433015
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/12/24	08/13/24	
Surrogate: Bromofluorobenzene		101 %	70-130	08/12/24	08/13/24	
Surrogate: 1,2-Dichloroethane-d4		96.1 %	70-130	08/12/24	08/13/24	
Surrogate: Toluene-d8		106 %	70-130	08/12/24	08/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2433013
Diesel Range Organics (C10-C28)	428	25.0	1	08/12/24	08/13/24	
Oil Range Organics (C28-C36)	118	50.0	1	08/12/24	08/13/24	
Surrogate: n-Nonane		113 %	50-200	08/12/24	08/13/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2433024
Chloride	2210	40.0	2	08/12/24	08/13/24	



Sample Data

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

Project Name: Rebel 20 Federal 6Y
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
8/16/2024 11:08:21AM

FS16-0.5'

E408112-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2433015
Benzene	ND	0.0250	1	08/12/24	08/13/24	
Ethylbenzene	ND	0.0250	1	08/12/24	08/13/24	
Toluene	ND	0.0250	1	08/12/24	08/13/24	
o-Xylene	ND	0.0250	1	08/12/24	08/13/24	
p,m-Xylene	ND	0.0500	1	08/12/24	08/13/24	
Total Xylenes	ND	0.0250	1	08/12/24	08/13/24	
Surrogate: Bromofluorobenzene	99.7 %	70-130		08/12/24	08/13/24	
Surrogate: 1,2-Dichloroethane-d4	94.8 %	70-130		08/12/24	08/13/24	
Surrogate: Toluene-d8	103 %	70-130		08/12/24	08/13/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2433015
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/12/24	08/13/24	
Surrogate: Bromofluorobenzene	99.7 %	70-130		08/12/24	08/13/24	
Surrogate: 1,2-Dichloroethane-d4	94.8 %	70-130		08/12/24	08/13/24	
Surrogate: Toluene-d8	103 %	70-130		08/12/24	08/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2433013
Diesel Range Organics (C10-C28)	ND	25.0	1	08/12/24	08/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/12/24	08/13/24	
Surrogate: n-Nonane	111 %	50-200		08/12/24	08/13/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2433024
Chloride	1700	40.0	2	08/12/24	08/13/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Rebel 20 Federal 6Y Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 8/16/2024 11:08:21AM
---	---	-----------------------------------

FS17-0.5'

E408112-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2433015
Benzene	ND	0.0250	1	08/12/24	08/13/24	
Ethylbenzene	ND	0.0250	1	08/12/24	08/13/24	
Toluene	ND	0.0250	1	08/12/24	08/13/24	
o-Xylene	ND	0.0250	1	08/12/24	08/13/24	
p,m-Xylene	ND	0.0500	1	08/12/24	08/13/24	
Total Xylenes	ND	0.0250	1	08/12/24	08/13/24	
Surrogate: Bromofluorobenzene	98.2 %	70-130		08/12/24	08/13/24	
Surrogate: 1,2-Dichloroethane-d4	97.9 %	70-130		08/12/24	08/13/24	
Surrogate: Toluene-d8	104 %	70-130		08/12/24	08/13/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2433015
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/12/24	08/13/24	
Surrogate: Bromofluorobenzene	98.2 %	70-130		08/12/24	08/13/24	
Surrogate: 1,2-Dichloroethane-d4	97.9 %	70-130		08/12/24	08/13/24	
Surrogate: Toluene-d8	104 %	70-130		08/12/24	08/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2433013
Diesel Range Organics (C10-C28)	ND	25.0	1	08/12/24	08/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/12/24	08/13/24	
Surrogate: n-Nonane	114 %	50-200		08/12/24	08/13/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2433024
Chloride	2540	40.0	2	08/12/24	08/13/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Rebel 20 Federal 6Y Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 8/16/2024 11:08:21AM
---	---	-----------------------------------

FS18-0.5'

E408112-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2433015
Benzene	ND	0.0250	1	08/12/24	08/13/24	
Ethylbenzene	ND	0.0250	1	08/12/24	08/13/24	
Toluene	ND	0.0250	1	08/12/24	08/13/24	
o-Xylene	ND	0.0250	1	08/12/24	08/13/24	
p,m-Xylene	ND	0.0500	1	08/12/24	08/13/24	
Total Xylenes	ND	0.0250	1	08/12/24	08/13/24	
Surrogate: Bromofluorobenzene	96.9 %	70-130		08/12/24	08/13/24	
Surrogate: 1,2-Dichloroethane-d4	98.8 %	70-130		08/12/24	08/13/24	
Surrogate: Toluene-d8	103 %	70-130		08/12/24	08/13/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2433015
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/12/24	08/13/24	
Surrogate: Bromofluorobenzene	96.9 %	70-130		08/12/24	08/13/24	
Surrogate: 1,2-Dichloroethane-d4	98.8 %	70-130		08/12/24	08/13/24	
Surrogate: Toluene-d8	103 %	70-130		08/12/24	08/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2433013
Diesel Range Organics (C10-C28)	ND	25.0	1	08/12/24	08/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/12/24	08/13/24	
Surrogate: n-Nonane	113 %	50-200		08/12/24	08/13/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2433024
Chloride	1360	20.0	1	08/12/24	08/13/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Rebel 20 Federal 6Y Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 8/16/2024 11:08:21AM
---	---	-----------------------------------

FS22-0.5'

E408112-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2433015
Benzene	ND	0.0250	1	08/12/24	08/13/24	
Ethylbenzene	ND	0.0250	1	08/12/24	08/13/24	
Toluene	ND	0.0250	1	08/12/24	08/13/24	
o-Xylene	ND	0.0250	1	08/12/24	08/13/24	
p,m-Xylene	ND	0.0500	1	08/12/24	08/13/24	
Total Xylenes	ND	0.0250	1	08/12/24	08/13/24	
Surrogate: Bromofluorobenzene	97.0 %	70-130		08/12/24	08/13/24	
Surrogate: 1,2-Dichloroethane-d4	96.8 %	70-130		08/12/24	08/13/24	
Surrogate: Toluene-d8	103 %	70-130		08/12/24	08/13/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2433015
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/12/24	08/13/24	
Surrogate: Bromofluorobenzene	97.0 %	70-130		08/12/24	08/13/24	
Surrogate: 1,2-Dichloroethane-d4	96.8 %	70-130		08/12/24	08/13/24	
Surrogate: Toluene-d8	103 %	70-130		08/12/24	08/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2433013
Diesel Range Organics (C10-C28)	ND	25.0	1	08/12/24	08/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/12/24	08/13/24	
Surrogate: n-Nonane	112 %	50-200		08/12/24	08/13/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2433024
Chloride	1920	40.0	2	08/12/24	08/13/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Rebel 20 Federal 6Y Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 8/16/2024 11:08:21AM
---	---	-----------------------------------

FS23-0.5'

E408112-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2433015
Benzene	ND	0.0250	1	08/12/24	08/14/24	
Ethylbenzene	ND	0.0250	1	08/12/24	08/14/24	
Toluene	ND	0.0250	1	08/12/24	08/14/24	
o-Xylene	ND	0.0250	1	08/12/24	08/14/24	
p,m-Xylene	ND	0.0500	1	08/12/24	08/14/24	
Total Xylenes	ND	0.0250	1	08/12/24	08/14/24	
Surrogate: Bromofluorobenzene	98.0 %	70-130		08/12/24	08/14/24	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		08/12/24	08/14/24	
Surrogate: Toluene-d8	103 %	70-130		08/12/24	08/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2433015
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/12/24	08/14/24	
Surrogate: Bromofluorobenzene	98.0 %	70-130		08/12/24	08/14/24	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		08/12/24	08/14/24	
Surrogate: Toluene-d8	103 %	70-130		08/12/24	08/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2433013
Diesel Range Organics (C10-C28)	ND	25.0	1	08/12/24	08/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/12/24	08/13/24	
Surrogate: n-Nonane	113 %	50-200		08/12/24	08/13/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2433024
Chloride	1840	40.0	2	08/12/24	08/13/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Rebel 20 Federal 6Y Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 8/16/2024 11:08:21AM
---	---	-----------------------------------

FS24-0.5'

E408112-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2433016	
Benzene	ND	0.0250	1	08/12/24	08/13/24	
Ethylbenzene	ND	0.0250	1	08/12/24	08/13/24	
Toluene	ND	0.0250	1	08/12/24	08/13/24	
o-Xylene	ND	0.0250	1	08/12/24	08/13/24	
p,m-Xylene	ND	0.0500	1	08/12/24	08/13/24	
Total Xylenes	ND	0.0250	1	08/12/24	08/13/24	
Surrogate: Bromofluorobenzene	97.4 %	70-130		08/12/24	08/13/24	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		08/12/24	08/13/24	
Surrogate: Toluene-d8	105 %	70-130		08/12/24	08/13/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2433016	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/12/24	08/13/24	
Surrogate: Bromofluorobenzene	97.4 %	70-130		08/12/24	08/13/24	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		08/12/24	08/13/24	
Surrogate: Toluene-d8	105 %	70-130		08/12/24	08/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2433014	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/12/24	08/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/12/24	08/12/24	
Surrogate: n-Nonane	96.8 %	50-200		08/12/24	08/12/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2433017	
Chloride	1540	20.0	1	08/12/24	08/12/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Rebel 20 Federal 6Y Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 8/16/2024 11:08:21AM
---	---	-----------------------------------

FS25-0.5'

E408112-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2433016	
Benzene	ND	0.0250	1	08/12/24	08/13/24	
Ethylbenzene	ND	0.0250	1	08/12/24	08/13/24	
Toluene	ND	0.0250	1	08/12/24	08/13/24	
o-Xylene	ND	0.0250	1	08/12/24	08/13/24	
p,m-Xylene	ND	0.0500	1	08/12/24	08/13/24	
Total Xylenes	ND	0.0250	1	08/12/24	08/13/24	
Surrogate: Bromofluorobenzene	95.1 %	70-130		08/12/24	08/13/24	
Surrogate: 1,2-Dichloroethane-d4	103 %	70-130		08/12/24	08/13/24	
Surrogate: Toluene-d8	105 %	70-130		08/12/24	08/13/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2433016	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/12/24	08/13/24	
Surrogate: Bromofluorobenzene	95.1 %	70-130		08/12/24	08/13/24	
Surrogate: 1,2-Dichloroethane-d4	103 %	70-130		08/12/24	08/13/24	
Surrogate: Toluene-d8	105 %	70-130		08/12/24	08/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2433014	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/12/24	08/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/12/24	08/12/24	
Surrogate: n-Nonane	89.9 %	50-200		08/12/24	08/12/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2433017	
Chloride	750	20.0	1	08/12/24	08/12/24	



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Rebel 20 Federal 6Y	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	8/16/2024 11:08:21AM

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

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

Blank (2433015-BLK1)

Prepared: 08/12/24 Analyzed: 08/13/24

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.493		0.500		98.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.495		0.500		99.0	70-130			
Surrogate: Toluene-d8	0.527		0.500		105	70-130			

LCS (2433015-BS1)

Prepared: 08/12/24 Analyzed: 08/13/24

Benzene	2.45	0.0250	2.50		97.9	70-130			
Ethylbenzene	2.53	0.0250	2.50		101	70-130			
Toluene	2.53	0.0250	2.50		101	70-130			
o-Xylene	2.48	0.0250	2.50		99.1	70-130			
p,m-Xylene	4.97	0.0500	5.00		99.3	70-130			
Total Xylenes	7.44	0.0250	7.50		99.3	70-130			
Surrogate: Bromofluorobenzene	0.485		0.500		97.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.491		0.500		98.2	70-130			
Surrogate: Toluene-d8	0.510		0.500		102	70-130			

Matrix Spike (2433015-MS1)

Source: E408112-09

Prepared: 08/12/24 Analyzed: 08/13/24

Benzene	2.27	0.0250	2.50	ND	90.7	48-131			
Ethylbenzene	2.37	0.0250	2.50	ND	94.6	45-135			
Toluene	2.35	0.0250	2.50	ND	93.9	48-130			
o-Xylene	2.26	0.0250	2.50	ND	90.3	43-135			
p,m-Xylene	4.53	0.0500	5.00	ND	90.6	43-135			
Total Xylenes	6.79	0.0250	7.50	ND	90.5	43-135			
Surrogate: Bromofluorobenzene	0.483		0.500		96.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.482		0.500		96.4	70-130			
Surrogate: Toluene-d8	0.517		0.500		103	70-130			

Matrix Spike Dup (2433015-MSD1)

Source: E408112-09

Prepared: 08/12/24 Analyzed: 08/13/24

Benzene	2.26	0.0250	2.50	ND	90.4	48-131	0.375	23	
Ethylbenzene	2.38	0.0250	2.50	ND	95.1	45-135	0.443	27	
Toluene	2.39	0.0250	2.50	ND	95.5	48-130	1.71	24	
o-Xylene	2.32	0.0250	2.50	ND	92.7	43-135	2.58	27	
p,m-Xylene	4.65	0.0500	5.00	ND	93.0	43-135	2.59	27	
Total Xylenes	6.97	0.0250	7.50	ND	92.9	43-135	2.59	27	
Surrogate: Bromofluorobenzene	0.495		0.500		99.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.502		0.500		100	70-130			
Surrogate: Toluene-d8	0.519		0.500		104	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Rebel 20 Federal 6Y	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	8/16/2024 11:08:21AM

Volatile Organic Compounds by EPA 8260B

Analyst: IY

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

Blank (2433016-BLK1) Prepared: 08/12/24 Analyzed: 08/12/24

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.481		0.500		96.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.498		0.500		99.5	70-130			
Surrogate: Toluene-d8	0.524		0.500		105	70-130			

LCS (2433016-BS1) Prepared: 08/12/24 Analyzed: 08/12/24

Benzene	2.45	0.0250	2.50		98.2	70-130			
Ethylbenzene	2.51	0.0250	2.50		100	70-130			
Toluene	2.52	0.0250	2.50		101	70-130			
o-Xylene	2.41	0.0250	2.50		96.5	70-130			
p,m-Xylene	4.82	0.0500	5.00		96.4	70-130			
Total Xylenes	7.23	0.0250	7.50		96.5	70-130			
Surrogate: Bromofluorobenzene	0.487		0.500		97.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.486		0.500		97.1	70-130			
Surrogate: Toluene-d8	0.521		0.500		104	70-130			

Matrix Spike (2433016-MS1) Source: E408112-21 Prepared: 08/12/24 Analyzed: 08/13/24

Benzene	2.51	0.0250	2.50	ND	100	48-131			
Ethylbenzene	2.50	0.0250	2.50	ND	100	45-135			
Toluene	2.54	0.0250	2.50	ND	101	48-130			
o-Xylene	2.44	0.0250	2.50	ND	97.6	43-135			
p,m-Xylene	4.87	0.0500	5.00	ND	97.3	43-135			
Total Xylenes	7.31	0.0250	7.50	ND	97.4	43-135			
Surrogate: Bromofluorobenzene	0.491		0.500		98.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.516		0.500		103	70-130			
Surrogate: Toluene-d8	0.515		0.500		103	70-130			

Matrix Spike Dup (2433016-MSD1) Source: E408112-21 Prepared: 08/12/24 Analyzed: 08/13/24

Benzene	2.45	0.0250	2.50	ND	98.1	48-131	2.40	23	
Ethylbenzene	2.49	0.0250	2.50	ND	99.7	45-135	0.461	27	
Toluene	2.53	0.0250	2.50	ND	101	48-130	0.0592	24	
o-Xylene	2.43	0.0250	2.50	ND	97.4	43-135	0.185	27	
p,m-Xylene	4.90	0.0500	5.00	ND	98.0	43-135	0.696	27	
Total Xylenes	7.34	0.0250	7.50	ND	97.8	43-135	0.403	27	
Surrogate: Bromofluorobenzene	0.484		0.500		96.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.510		0.500		102	70-130			
Surrogate: Toluene-d8	0.523		0.500		105	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Rebel 20 Federal 6Y	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	8/16/2024 11:08:21AM

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

Blank (2433015-BLK1) Prepared: 08/12/24 Analyzed: 08/13/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.493		0.500		98.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.495		0.500		99.0	70-130			
Surrogate: Toluene-d8	0.527		0.500		105	70-130			

LCS (2433015-BS2) Prepared: 08/12/24 Analyzed: 08/13/24

Gasoline Range Organics (C6-C10)	51.5	20.0	50.0		103	70-130			
Surrogate: Bromofluorobenzene	0.487		0.500		97.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.490		0.500		97.9	70-130			
Surrogate: Toluene-d8	0.523		0.500		105	70-130			

Matrix Spike (2433015-MS2) Source: E408112-09 Prepared: 08/12/24 Analyzed: 08/13/24

Gasoline Range Organics (C6-C10)	46.2	20.0	50.0	ND	92.4	70-130			
Surrogate: Bromofluorobenzene	0.492		0.500		98.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.494		0.500		98.7	70-130			
Surrogate: Toluene-d8	0.525		0.500		105	70-130			

Matrix Spike Dup (2433015-MSD2) Source: E408112-09 Prepared: 08/12/24 Analyzed: 08/13/24

Gasoline Range Organics (C6-C10)	48.5	20.0	50.0	ND	97.1	70-130	4.93	20	
Surrogate: Bromofluorobenzene	0.505		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.478		0.500		95.6	70-130			
Surrogate: Toluene-d8	0.522		0.500		104	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Rebel 20 Federal 6Y	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	8/16/2024 11:08:21AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

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

Blank (2433016-BLK1)

Prepared: 08/12/24 Analyzed: 08/12/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.481		0.500		96.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.498		0.500		99.5	70-130			
Surrogate: Toluene-d8	0.524		0.500		105	70-130			

LCS (2433016-BS2)

Prepared: 08/12/24 Analyzed: 08/13/24

Gasoline Range Organics (C6-C10)	51.0	20.0	50.0		102	70-130			
Surrogate: Bromofluorobenzene	0.489		0.500		97.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.492		0.500		98.4	70-130			
Surrogate: Toluene-d8	0.539		0.500		108	70-130			

Matrix Spike (2433016-MS2)

Source: E408112-21

Prepared: 08/12/24 Analyzed: 08/13/24

Gasoline Range Organics (C6-C10)	51.7	20.0	50.0	ND	103	70-130			
Surrogate: Bromofluorobenzene	0.498		0.500		99.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.498		0.500		99.5	70-130			
Surrogate: Toluene-d8	0.534		0.500		107	70-130			

Matrix Spike Dup (2433016-MSD2)

Source: E408112-21

Prepared: 08/12/24 Analyzed: 08/13/24

Gasoline Range Organics (C6-C10)	50.3	20.0	50.0	ND	101	70-130	2.60	20	
Surrogate: Bromofluorobenzene	0.496		0.500		99.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.506		0.500		101	70-130			
Surrogate: Toluene-d8	0.528		0.500		106	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Rebel 20 Federal 6Y	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	8/16/2024 11:08:21AM

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

Blank (2433013-BLK1)					Prepared: 08/12/24 Analyzed: 08/12/24				
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 (2433013-BS1)					Prepared: 08/12/24 Analyzed: 08/12/24				
Diesel Range Organics (C10-C28)	259	25.0	250		104	38-132			
Surrogate: n-Nonane	55.3		50.0		111	50-200			

Matrix Spike (2433013-MS1)					Source: E408112-02		Prepared: 08/12/24 Analyzed: 08/12/24		
Diesel Range Organics (C10-C28)	272	25.0	250	ND	109	38-132			
Surrogate: n-Nonane	55.7		50.0		111	50-200			

Matrix Spike Dup (2433013-MSD1)					Source: E408112-02		Prepared: 08/12/24 Analyzed: 08/12/24		
Diesel Range Organics (C10-C28)	295	25.0	250	ND	118	38-132	8.01	20	
Surrogate: n-Nonane	62.0		50.0		124	50-200			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Rebel 20 Federal 6Y	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	8/16/2024 11:08:21AM

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

Blank (2433014-BLK1) Prepared: 08/12/24 Analyzed: 08/12/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	48.4		50.0		96.7	50-200			

LCS (2433014-BS1) Prepared: 08/12/24 Analyzed: 08/12/24

Diesel Range Organics (C10-C28)	238	25.0	250		95.3	38-132			
Surrogate: n-Nonane	46.4		50.0		92.8	50-200			

Matrix Spike (2433014-MS1) Source: E408110-02 Prepared: 08/12/24 Analyzed: 08/13/24

Diesel Range Organics (C10-C28)	320	25.0	250	89.3	92.2	38-132			
Surrogate: n-Nonane	50.3		50.0		101	50-200			

Matrix Spike Dup (2433014-MSD1) Source: E408110-02 Prepared: 08/12/24 Analyzed: 08/13/24

Diesel Range Organics (C10-C28)	318	25.0	250	89.3	91.6	38-132	0.455	20	
Surrogate: n-Nonane	47.9		50.0		95.8	50-200			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Rebel 20 Federal 6Y	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	8/16/2024 11:08:21AM

Anions by EPA 300.0/9056A

Analyst: WF

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

Blank (2433017-BLK1)					Prepared: 08/12/24 Analyzed: 08/12/24				
Chloride	ND	20.0							
LCS (2433017-BS1)					Prepared: 08/12/24 Analyzed: 08/12/24				
Chloride	251	20.0	250		100	90-110			
Matrix Spike (2433017-MS1)					Source: E408110-01		Prepared: 08/12/24 Analyzed: 08/12/24		
Chloride	642	20.0	250	372	108	80-120			
Matrix Spike Dup (2433017-MSD1)					Source: E408110-01		Prepared: 08/12/24 Analyzed: 08/12/24		
Chloride	630	20.0	250	372	103	80-120	1.78	20	



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Rebel 20 Federal 6Y	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	8/16/2024 11:08:21AM

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 (2433024-BLK1)					Prepared: 08/12/24 Analyzed: 08/13/24				
Chloride	ND	20.0							
LCS (2433024-BS1)					Prepared: 08/12/24 Analyzed: 08/13/24				
Chloride	249	20.0	250		99.7	90-110			
Matrix Spike (2433024-MS1)					Source: E408112-02		Prepared: 08/12/24 Analyzed: 08/13/24		
Chloride	2330	40.0	250	2030	122	80-120			M4
Matrix Spike Dup (2433024-MSD1)					Source: E408112-02		Prepared: 08/12/24 Analyzed: 08/13/24		
Chloride	2450	40.0	250	2030	168	80-120	4.76	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:	Rebel 20 Federal 6Y	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	08/16/24 11:08

- M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.

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

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



Chain of Custody

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: Rebel 20 Federal 6Y				Address: 205 E Bender Road #150		E408112	01058-0007				x	x					
Project Manager: Ashley Giovengo				City, State, Zip: Hobbs NM, 88240													
Address: 3122 National Parks Hwy				Phone: (575)748-1838													
City, State, Zip: Carlsbad NM, 88220				Email: dale.woodall@dvn.com													
Phone: 575-988-0055				Miscellaneous: Dale Woodall													
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
9:23	8/8/2024	S	1	FS01 - 2'		1						X					
9:26	8/8/2024	S	1	FS02 - 0.5'		2						X					
9:23	8/8/2024	S	1	FS03 - 0.5'		3						X					
9:28	8/8/2024	S	1	FS04 - 0.5'		4						X					
9:30	8/8/2024	S	1	FS05 - 0.5'		5						X					
9:32	8/8/2024	S	1	FS06 - 0.5'		6						X					
9:39	8/8/2024	S	1	FS07 - 0.5'		7						X					
9:36	8/8/2024	S	1	FS08 - 0.5'		8						X					
9:42	8/8/2024	S	1	FS09 - 0.5'		9						X					
9:40	8/8/2024	S	1	FS10 - 0.5'		10						X					
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, dale.woodall@dvn.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: Cole Burton																	
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	<div>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.</div> <div>Lab Use Only</div> <div>Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N</div> <div>T1 _____ T2 _____ T3 _____</div> <div>AVG Temp °C 4</div>									
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time										
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____																	
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA _____																	
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																	



envirotech

Chain of Custody

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: Rebel 20 Federal 6Y				Address: 205 E Bender Road #150				E 408112		01058-0007								X		X							
Project Manager: Ashley Giovengo				City, State, Zip: Hobbs NM, 88240																							
Address: 3122 National Parks Hwy				Phone: (575)748-1838																							
City, State, Zip: Carlsbad NM, 88220				Email: dale.woodall@dvn.com																							
Phone: 575-988-0055				Miscellaneous: Dale Woodall																							
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	Compliance	Y	or	N	PWSID #	Remarks				
9:39	8/8/2024	S	1	FS11 - 0.5'		11						X															
9:37	8/8/2024	S	1	FS12 - 0.5'		12						X															
10:21	8/8/2024	S	1	FS13 - 0.5'		13						X															
10:20	8/8/2024	S	1	FS14 - 0.5'		14						X															
10:18	8/8/2024	S	1	FS15 - 0.5'		15						X															
10:17	8/8/2024	S	1	FS16 - 0.5'		16						X															
10:16	8/8/2024	S	1	FS17 - 0.5'		17						X															
10:23	8/8/2024	S	1	FS18 - 0.5'		18						X															
10:27	8/8/2024	S	1	FS22 - 0.5'		19						X															
10:29	8/8/2024	S	1	FS23 - 0.5'		20						X															
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, dale.woodall@dvn.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: Cole Burton																											
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.															
Michelle Gonzales		8/9/24		7:30		Michelle Gonzales		8-9-24		0730																	
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Lab Use Only															
Michelle Gonzales		8-9-24		1540		Michelle Gonzales		8-9-24		1637		Received on ice: (Y) / N															
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		T1 T2 T3															
Michelle Gonzales		8-9-24		2317		Michelle Gonzales		8/12/24		815		AVG Temp °C 4															
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA															
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																											
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																											



Chain of Custody

Page 3 of 3

Client Information				Invoice Information		Lab Use Only		TAT				State					
Client: Devon				Company: Devon		Lab WO# E 408112		Job Number 01058-0007		1D 2D 3D Std				NM CO UT TX			
Project: Rebel 20 Federal 6Y				Address: 205 E Bender Road #150										x			
Project Manager: Ashley Giovengo				City, State, Zip: Hobbs NM, 88240													
Address: 3122 National Parks Hwy				Phone: (575)748-1838													
City, State, Zip: Carlsbad NM, 88220				Email: dale.woodall@envirotech.com													
Phone: 575-988-0055				Miscellaneous: Dale Woodall													
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
10:30	8/8/2024	S	1	FS24 - 0.5'		21						X					
10:31	8/8/2024	S	1	FS25 - 0.5'		22						X					
												X					
												X					
												X					
												X					
												X					
												X					
												X					
												X					
												X					
												X					
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, dale.woodall@envirotech.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: Cole Burton																	
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.					
[Signature]		8/9/24		7:30		Michelle Gonzales		8-9-24		0730							
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Lab Use Only					
[Signature]		8-9-24		1540		[Signature]		8-9-24		1637		Received on ice: Y/ N					
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		T1 T2 T3					
[Signature]		8-9-24		2317		[Signature]		8/12/24		815							
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		AVG Temp °C					
[Signature]						[Signature]						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: 8/12/2024 8:49:19AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Devon Energy - Carlsbad	Date Received:	08/12/24 08:15	Work Order ID:	E408112
Phone:	(505) 382-1211	Date Logged In:	08/12/24 08:45	Logged In By:	Alexa Michaels
Email:	ashley.giovengo@wescominc.com	Due Date:	08/16/24 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? 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: Rebel 20 Federal 6Y

Work Order: E408116

Job Number: 01058-0007

Received: 8/13/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
8/16/24

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: 8/16/24

Ashley Giovengo
6488 7 Rivers Hwy
Artesia, NM 88210



Project Name: Rebel 20 Federal 6Y
Workorder: E408116
Date Received: 8/13/2024 9:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/13/2024 9:00:00AM, under the Project Name: Rebel 20 Federal 6Y.

The analytical test results summarized in this report with the Project Name: Rebel 20 Federal 6Y 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
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljjarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
FS27-0.5'	5
FS28-0.5'	6
FS28-0.5'	7
FS19-1'	8
FS21-1'	9
FS20-2.5	10
SW01-0-2.5	11
QC Summary Data	12
QC - Volatile Organics by EPA 8021B	12
QC - Nonhalogenated Organics by EPA 8015D - GRO	13
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	14
QC - Anions by EPA 300.0/9056A	15
Definitions and Notes	16
Chain of Custody etc.	17

Sample Summary

Devon Energy - Carlsbad	Project Name:	Rebel 20 Federal 6Y	Reported: 08/16/24 14:19
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
FS27-0.5'	E408116-01A	Soil	08/09/24	08/13/24	Glass Jar, 2 oz.
FS28-0.5'	E408116-02A	Soil	08/09/24	08/13/24	Glass Jar, 2 oz.
FS28-0.5'	E408116-03A	Soil	08/09/24	08/13/24	Glass Jar, 2 oz.
FS19-1'	E408116-04A	Soil	08/09/24	08/13/24	Glass Jar, 2 oz.
FS21-1'	E408116-05A	Soil	08/09/24	08/13/24	Glass Jar, 2 oz.
FS20-2.5	E408116-06A	Soil	08/09/24	08/13/24	Glass Jar, 2 oz.
SW01-0-2.5	E408116-07A	Soil	08/09/24	08/13/24	Glass Jar, 2 oz.



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Rebel 20 Federal 6Y Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 8/16/2024 2:19:42PM
---	---	----------------------------------

FS27-0.5'

E408116-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2433039	
Benzene	ND	0.0250	1	08/13/24	08/14/24	
Ethylbenzene	ND	0.0250	1	08/13/24	08/14/24	
Toluene	ND	0.0250	1	08/13/24	08/14/24	
o-Xylene	ND	0.0250	1	08/13/24	08/14/24	
p,m-Xylene	ND	0.0500	1	08/13/24	08/14/24	
Total Xylenes	ND	0.0250	1	08/13/24	08/14/24	
Surrogate: 4-Bromochlorobenzene-PID	90.9 %	70-130		08/13/24	08/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2433039	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/13/24	08/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	92.7 %	70-130		08/13/24	08/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2433043	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/13/24	08/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/13/24	08/13/24	
Surrogate: n-Nonane	107 %	50-200		08/13/24	08/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2433048	
Chloride	844	20.0	1	08/13/24	08/13/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Rebel 20 Federal 6Y Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 8/16/2024 2:19:42PM
---	---	----------------------------------

FS28-0.5'

E408116-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2433039	
Benzene	ND	0.0250	1	08/13/24	08/14/24	
Ethylbenzene	ND	0.0250	1	08/13/24	08/14/24	
Toluene	ND	0.0250	1	08/13/24	08/14/24	
o-Xylene	ND	0.0250	1	08/13/24	08/14/24	
p,m-Xylene	ND	0.0500	1	08/13/24	08/14/24	
Total Xylenes	ND	0.0250	1	08/13/24	08/14/24	
Surrogate: 4-Bromochlorobenzene-PID	90.9 %	70-130		08/13/24	08/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2433039	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/13/24	08/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	93.7 %	70-130		08/13/24	08/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2433043	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/13/24	08/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/13/24	08/13/24	
Surrogate: n-Nonane	105 %	50-200		08/13/24	08/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2433048	
Chloride	1590	20.0	1	08/13/24	08/13/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Rebel 20 Federal 6Y Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 8/16/2024 2:19:42PM
---	---	----------------------------------

FS28-0.5'

E408116-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2433039	
Benzene	ND	0.0250	1	08/13/24	08/14/24	
Ethylbenzene	ND	0.0250	1	08/13/24	08/14/24	
Toluene	ND	0.0250	1	08/13/24	08/14/24	
o-Xylene	ND	0.0250	1	08/13/24	08/14/24	
p,m-Xylene	ND	0.0500	1	08/13/24	08/14/24	
Total Xylenes	ND	0.0250	1	08/13/24	08/14/24	
Surrogate: 4-Bromochlorobenzene-PID	90.0 %	70-130		08/13/24	08/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2433039	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/13/24	08/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	92.9 %	70-130		08/13/24	08/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2433043	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/13/24	08/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/13/24	08/13/24	
Surrogate: n-Nonane	104 %	50-200		08/13/24	08/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2433048	
Chloride	742	20.0	1	08/13/24	08/13/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Rebel 20 Federal 6Y Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 8/16/2024 2:19:42PM
---	---	----------------------------------

FS19-1'
E408116-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2433039	
Benzene	ND	0.0250	1	08/13/24	08/14/24	
Ethylbenzene	ND	0.0250	1	08/13/24	08/14/24	
Toluene	ND	0.0250	1	08/13/24	08/14/24	
o-Xylene	ND	0.0250	1	08/13/24	08/14/24	
p,m-Xylene	ND	0.0500	1	08/13/24	08/14/24	
Total Xylenes	ND	0.0250	1	08/13/24	08/14/24	
Surrogate: 4-Bromochlorobenzene-PID	90.8 %	70-130		08/13/24	08/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2433039	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/13/24	08/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	92.6 %	70-130		08/13/24	08/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2433043	
Diesel Range Organics (C10-C28)	69.8	25.0	1	08/13/24	08/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/13/24	08/13/24	
Surrogate: n-Nonane	104 %	50-200		08/13/24	08/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2433048	
Chloride	2170	40.0	2	08/13/24	08/13/24	



Sample Data

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

Project Name: Rebel 20 Federal 6Y
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
8/16/2024 2:19:42PM

FS21-1'

E408116-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: CG		Batch: 2433039	
Benzene	ND	0.0250	1	08/13/24	08/14/24	
Ethylbenzene	ND	0.0250	1	08/13/24	08/14/24	
Toluene	ND	0.0250	1	08/13/24	08/14/24	
o-Xylene	ND	0.0250	1	08/13/24	08/14/24	
p,m-Xylene	ND	0.0500	1	08/13/24	08/14/24	
Total Xylenes	ND	0.0250	1	08/13/24	08/14/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.7 %	70-130		08/13/24	08/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2433039	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/13/24	08/14/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.2 %	70-130		08/13/24	08/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2433043	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/13/24	08/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/13/24	08/13/24	
<i>Surrogate: n-Nonane</i>						
	108 %	50-200		08/13/24	08/13/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2433048	
Chloride	1840	40.0	2	08/13/24	08/13/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Rebel 20 Federal 6Y Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 8/16/2024 2:19:42PM
---	---	----------------------------------

FS20-2.5

E408116-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2433039	
Benzene	ND	0.0250	1	08/13/24	08/14/24	
Ethylbenzene	ND	0.0250	1	08/13/24	08/14/24	
Toluene	ND	0.0250	1	08/13/24	08/14/24	
o-Xylene	ND	0.0250	1	08/13/24	08/14/24	
p,m-Xylene	ND	0.0500	1	08/13/24	08/14/24	
Total Xylenes	ND	0.0250	1	08/13/24	08/14/24	
Surrogate: 4-Bromochlorobenzene-PID	91.3 %	70-130		08/13/24	08/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2433039	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/13/24	08/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	93.3 %	70-130		08/13/24	08/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2433043	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/13/24	08/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/13/24	08/13/24	
Surrogate: n-Nonane	105 %	50-200		08/13/24	08/13/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2433048	
Chloride	1000	20.0	1	08/13/24	08/13/24	



Sample Data

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

Project Name: Rebel 20 Federal 6Y
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
8/16/2024 2:19:42PM

SW01-0-2.5

E408116-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: CG		Batch: 2433039	
Benzene	ND	0.0250	1	08/13/24	08/14/24	
Ethylbenzene	ND	0.0250	1	08/13/24	08/14/24	
Toluene	ND	0.0250	1	08/13/24	08/14/24	
o-Xylene	ND	0.0250	1	08/13/24	08/14/24	
p,m-Xylene	ND	0.0500	1	08/13/24	08/14/24	
Total Xylenes	ND	0.0250	1	08/13/24	08/14/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.4 %	70-130		08/13/24	08/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2433039	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/13/24	08/14/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.8 %	70-130		08/13/24	08/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2433043	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/13/24	08/13/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/13/24	08/13/24	
<i>Surrogate: n-Nonane</i>						
	105 %	50-200		08/13/24	08/13/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2433048	
Chloride	738	20.0	1	08/13/24	08/13/24	



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Rebel 20 Federal 6Y	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	8/16/2024 2:19:42PM

Volatile Organics by EPA 8021B

Analyst: CG

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

Blank (2433039-BLK1) Prepared: 08/13/24 Analyzed: 08/14/24

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	7.24		8.00		90.5	70-130			

LCS (2433039-BS1) Prepared: 08/13/24 Analyzed: 08/14/24

Benzene	4.39	0.0250	5.00		87.8	70-130			
Ethylbenzene	4.18	0.0250	5.00		83.7	70-130			
Toluene	4.30	0.0250	5.00		86.0	70-130			
o-Xylene	4.17	0.0250	5.00		83.5	70-130			
p,m-Xylene	8.51	0.0500	10.0		85.0	70-130			
Total Xylenes	12.7	0.0250	15.0		84.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.24		8.00		90.5	70-130			

Matrix Spike (2433039-MS1) Source: E408116-06 Prepared: 08/13/24 Analyzed: 08/14/24

Benzene	5.29	0.0250	5.00	ND	106	54-133			
Ethylbenzene	5.03	0.0250	5.00	ND	101	61-133			
Toluene	5.17	0.0250	5.00	ND	103	61-130			
o-Xylene	5.02	0.0250	5.00	ND	100	63-131			
p,m-Xylene	10.2	0.0500	10.0	ND	102	63-131			
Total Xylenes	15.2	0.0250	15.0	ND	101	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.27		8.00		90.9	70-130			

Matrix Spike Dup (2433039-MSD1) Source: E408116-06 Prepared: 08/13/24 Analyzed: 08/14/24

Benzene	5.23	0.0250	5.00	ND	105	54-133	1.19	20	
Ethylbenzene	4.99	0.0250	5.00	ND	99.7	61-133	0.850	20	
Toluene	5.11	0.0250	5.00	ND	102	61-130	1.16	20	
o-Xylene	4.98	0.0250	5.00	ND	99.5	63-131	0.865	20	
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131	0.773	20	
Total Xylenes	15.1	0.0250	15.0	ND	100	63-131	0.804	20	
Surrogate: 4-Bromochlorobenzene-PID	7.32		8.00		91.6	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Rebel 20 Federal 6Y	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	8/16/2024 2:19:42PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: CG

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

Blank (2433039-BLK1) Prepared: 08/13/24 Analyzed: 08/14/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.47		8.00		93.4	70-130			

LCS (2433039-BS2) Prepared: 08/13/24 Analyzed: 08/14/24

Gasoline Range Organics (C6-C10)	43.8	20.0	50.0		87.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.59		8.00		94.8	70-130			

Matrix Spike (2433039-MS2) Source: E408116-06 Prepared: 08/13/24 Analyzed: 08/14/24

Gasoline Range Organics (C6-C10)	39.9	20.0	50.0	ND	79.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.54		8.00		94.3	70-130			

Matrix Spike Dup (2433039-MSD2) Source: E408116-06 Prepared: 08/13/24 Analyzed: 08/14/24

Gasoline Range Organics (C6-C10)	43.3	20.0	50.0	ND	86.6	70-130	8.18	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.49		8.00		93.6	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Rebel 20 Federal 6Y	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	8/16/2024 2:19:42PM

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

Blank (2433043-BLK1) Prepared: 08/13/24 Analyzed: 08/13/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	50.5		50.0		101	50-200			

LCS (2433043-BS1) Prepared: 08/13/24 Analyzed: 08/13/24

Diesel Range Organics (C10-C28)	254	25.0	250		102	38-132			
Surrogate: n-Nonane	49.9		50.0		99.8	50-200			

Matrix Spike (2433043-MS1) Source: E408116-07 Prepared: 08/13/24 Analyzed: 08/13/24

Diesel Range Organics (C10-C28)	284	25.0	250	ND	114	38-132			
Surrogate: n-Nonane	52.3		50.0		105	50-200			

Matrix Spike Dup (2433043-MSD1) Source: E408116-07 Prepared: 08/13/24 Analyzed: 08/13/24

Diesel Range Organics (C10-C28)	283	25.0	250	ND	113	38-132	0.128	20	
Surrogate: n-Nonane	52.2		50.0		104	50-200			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Rebel 20 Federal 6Y	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	8/16/2024 2:19:42PM

Anions by EPA 300.0/9056A

Analyst: WF

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

Blank (2433048-BLK1)					Prepared: 08/13/24 Analyzed: 08/13/24				
Chloride	ND	20.0							
LCS (2433048-BS1)					Prepared: 08/13/24 Analyzed: 08/13/24				
Chloride	251	20.0	250		100	90-110			
Matrix Spike (2433048-MS1)					Source: E408111-01		Prepared: 08/13/24 Analyzed: 08/13/24		
Chloride	340	20.0	250	67.5	109	80-120			
Matrix Spike Dup (2433048-MSD1)					Source: E408111-01		Prepared: 08/13/24 Analyzed: 08/13/24		
Chloride	322	20.0	250	67.5	102	80-120	5.38	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:	Rebel 20 Federal 6Y	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	08/16/24 14:19

- 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#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX			
Project: Rebel 20 Federal 6Y				Address: 205 E Bender Road #150		E408116	01058-0007				X	X						
Project Manager: Ashley Giovengo				City, State, Zip: Hobbs NM, 88240														
Address: 3122 National Parks Hwy				Phone: (575)748-1838														
City, State, Zip: Carlsbad NM, 88220				Email: dale.woodall@dvn.com														
Phone: 575-988-0055				Miscellaneous: Dale Woodall														
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	
9:51	8/9/2024	S	1	FS27 - 0.5'		1						X						
9:50	8/9/2024	S	1	FS28 - 0.5'		2						X						
9:48	8/9/2024	S	1	FS28 - 0.5'		3						X						
9:56	8/9/2024	S	1	FS19 - 1'		4						X						
9:53	8/9/2024	S	1	FS21 - 1'		5						X						
13:36	8/9/2024	S	1	FS20 - 2.5		6						X						
10:50	8/9/2024	S	1	SW01 - 0-2.5		7						X						
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, dale.woodall@dvn.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: Cole Burton																		
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. Lab Use Only Received on ice: <input checked="" type="radio"/> Y / 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: 8/13/2024 9:27:52AM

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:	08/13/24 09:00	Work Order ID:	E408116
Phone:	(505) 382-1211	Date Logged In:	08/12/24 15:21	Logged In By:	Alexa Michaels
Email:	ashley.giovengo@wescominc.com	Due Date:	08/19/24 17:00 (4 day TAT)		

Chain of Custody (COC)

- | | |
|---|-----|
| 1. Does the sample ID match the COC? | No |
| 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: Rebel 20 Federal 6Y

Work Order: E408141

Job Number: 01058-0007

Received: 8/15/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
8/19/24

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: 8/19/24

Ashley Giovengo
6488 7 Rivers Hwy
Artesia, NM 88210



Project Name: Rebel 20 Federal 6Y
Workorder: E408141
Date Received: 8/15/2024 7:45:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/15/2024 7:45:00AM, under the Project Name: Rebel 20 Federal 6Y.

The analytical test results summarized in this report with the Project Name: Rebel 20 Federal 6Y 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
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljjarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
FS43-2'	5
FS44-2'	6
FS45-2'	7
FS52-3'	8
SW02 - 0-4'	9
SW03 - 0-4'	10
QC Summary Data	11
QC - Volatile Organics by EPA 8021B	11
QC - Nonhalogenated Organics by EPA 8015D - GRO	12
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	13
QC - Anions by EPA 300.0/9056A	14
Definitions and Notes	15
Chain of Custody etc.	16

Sample Summary

Devon Energy - Carlsbad	Project Name:	Rebel 20 Federal 6Y	Reported: 08/19/24 09:21
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
FS43-2'	E408141-01A	Soil	08/13/24	08/15/24	Glass Jar, 2 oz.
FS44-2'	E408141-02A	Soil	08/13/24	08/15/24	Glass Jar, 2 oz.
FS45-2'	E408141-03A	Soil	08/13/24	08/15/24	Glass Jar, 2 oz.
FS52-3'	E408141-04A	Soil	08/13/24	08/15/24	Glass Jar, 2 oz.
SW02 - 0-4'	E408141-05A	Soil	08/13/24	08/15/24	Glass Jar, 2 oz.
SW03 - 0-4'	E408141-06A	Soil	08/13/24	08/15/24	Glass Jar, 2 oz.



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Rebel 20 Federal 6Y Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 8/19/2024 9:21:38AM
---	---	----------------------------------

FS43-2'
E408141-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2433090	
Benzene	ND	0.0250	1	08/15/24	08/15/24	
Ethylbenzene	ND	0.0250	1	08/15/24	08/15/24	
Toluene	ND	0.0250	1	08/15/24	08/15/24	
o-Xylene	ND	0.0250	1	08/15/24	08/15/24	
p,m-Xylene	ND	0.0500	1	08/15/24	08/15/24	
Total Xylenes	ND	0.0250	1	08/15/24	08/15/24	
Surrogate: 4-Bromochlorobenzene-PID	87.0 %	70-130		08/15/24	08/15/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2433090	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/15/24	08/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	94.1 %	70-130		08/15/24	08/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2433088	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/15/24	08/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/15/24	08/15/24	
Surrogate: n-Nonane	112 %	50-200		08/15/24	08/15/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2433093	
Chloride	ND	20.0	1	08/15/24	08/15/24	



Sample Data

Devon Energy - Carlsbad	Project Name:	Rebel 20 Federal 6Y	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	8/19/2024 9:21:38AM

FS44-2'

E408141-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: CG		Batch: 2433090	
Benzene	ND	0.0250	1	08/15/24	08/15/24	
Ethylbenzene	ND	0.0250	1	08/15/24	08/15/24	
Toluene	ND	0.0250	1	08/15/24	08/15/24	
o-Xylene	ND	0.0250	1	08/15/24	08/15/24	
p,m-Xylene	ND	0.0500	1	08/15/24	08/15/24	
Total Xylenes	ND	0.0250	1	08/15/24	08/15/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	88.2 %	70-130		08/15/24	08/15/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2433090	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/15/24	08/15/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.3 %	70-130		08/15/24	08/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2433088	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/15/24	08/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/15/24	08/15/24	
<i>Surrogate: n-Nonane</i>						
	109 %	50-200		08/15/24	08/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2433093	
Chloride	26.7	20.0	1	08/15/24	08/15/24	



Sample Data

Devon Energy - Carlsbad	Project Name:	Rebel 20 Federal 6Y	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	8/19/2024 9:21:38AM

FS45-2'

E408141-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2433090	
Benzene	ND	0.0250	1	08/15/24	08/15/24	
Ethylbenzene	ND	0.0250	1	08/15/24	08/15/24	
Toluene	ND	0.0250	1	08/15/24	08/15/24	
o-Xylene	ND	0.0250	1	08/15/24	08/15/24	
p,m-Xylene	ND	0.0500	1	08/15/24	08/15/24	
Total Xylenes	ND	0.0250	1	08/15/24	08/15/24	
Surrogate: 4-Bromochlorobenzene-PID	87.8 %	70-130		08/15/24	08/15/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2433090	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/15/24	08/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	95.6 %	70-130		08/15/24	08/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2433088	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/15/24	08/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/15/24	08/15/24	
Surrogate: n-Nonane	100 %	50-200		08/15/24	08/15/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2433093	
Chloride	ND	20.0	1	08/15/24	08/15/24	



Sample Data

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

Project Name: Rebel 20 Federal 6Y
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
8/19/2024 9:21:38AM

FS52-3'

E408141-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: CG		Batch: 2433090	
Benzene	ND	0.0250	1	08/15/24	08/16/24	
Ethylbenzene	ND	0.0250	1	08/15/24	08/16/24	
Toluene	ND	0.0250	1	08/15/24	08/16/24	
o-Xylene	ND	0.0250	1	08/15/24	08/16/24	
p,m-Xylene	ND	0.0500	1	08/15/24	08/16/24	
Total Xylenes	ND	0.0250	1	08/15/24	08/16/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	87.7 %	70-130		08/15/24	08/16/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2433090	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/15/24	08/16/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.1 %	70-130		08/15/24	08/16/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2433088	
Diesel Range Organics (C10-C28)	28.1	25.0	1	08/15/24	08/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/15/24	08/15/24	
<i>Surrogate: n-Nonane</i>						
	98.8 %	50-200		08/15/24	08/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2433093	
Chloride	81.9	20.0	1	08/15/24	08/15/24	



Sample Data

Devon Energy - Carlsbad	Project Name:	Rebel 20 Federal 6Y	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	8/19/2024 9:21:38AM

SW02 - 0-4'
E408141-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: CG		Batch: 2433090	
Benzene	ND	0.0250	1	08/15/24	08/16/24	
Ethylbenzene	ND	0.0250	1	08/15/24	08/16/24	
Toluene	ND	0.0250	1	08/15/24	08/16/24	
o-Xylene	ND	0.0250	1	08/15/24	08/16/24	
p,m-Xylene	ND	0.0500	1	08/15/24	08/16/24	
Total Xylenes	ND	0.0250	1	08/15/24	08/16/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.3 %	70-130		08/15/24	08/16/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2433090	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/15/24	08/16/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.8 %	70-130		08/15/24	08/16/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2433088	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/15/24	08/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/15/24	08/15/24	
<i>Surrogate: n-Nonane</i>						
	102 %	50-200		08/15/24	08/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2433093	
Chloride	ND	20.0	1	08/15/24	08/15/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Rebel 20 Federal 6Y Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 8/19/2024 9:21:38AM
---	---	----------------------------------

SW03 - 0-4'
E408141-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2433090	
Benzene	ND	0.0250	1	08/15/24	08/16/24	
Ethylbenzene	ND	0.0250	1	08/15/24	08/16/24	
Toluene	ND	0.0250	1	08/15/24	08/16/24	
o-Xylene	ND	0.0250	1	08/15/24	08/16/24	
p,m-Xylene	ND	0.0500	1	08/15/24	08/16/24	
Total Xylenes	ND	0.0250	1	08/15/24	08/16/24	
Surrogate: 4-Bromochlorobenzene-PID	89.7 %	70-130		08/15/24	08/16/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2433090	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/15/24	08/16/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	94.4 %	70-130		08/15/24	08/16/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2433088	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/15/24	08/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/15/24	08/15/24	
Surrogate: n-Nonane	117 %	50-200		08/15/24	08/15/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2433093	
Chloride	40.2	20.0	1	08/15/24	08/15/24	



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Rebel 20 Federal 6Y	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	8/19/2024 9:21:38AM

Volatile Organics by EPA 8021B

Analyst: CG

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

Blank (2433090-BLK1) Prepared: 08/15/24 Analyzed: 08/15/24

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	7.06		8.00		88.2	70-130			

LCS (2433090-BS1) Prepared: 08/15/24 Analyzed: 08/15/24

Benzene	5.01	0.0250	5.00		100	70-130			
Ethylbenzene	4.83	0.0250	5.00		96.5	70-130			
Toluene	4.93	0.0250	5.00		98.5	70-130			
o-Xylene	4.81	0.0250	5.00		96.3	70-130			
p,m-Xylene	9.80	0.0500	10.0		98.0	70-130			
Total Xylenes	14.6	0.0250	15.0		97.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.22		8.00		90.2	70-130			

Matrix Spike (2433090-MS1) Source: E408139-03 Prepared: 08/15/24 Analyzed: 08/15/24

Benzene	5.10	0.0250	5.00	ND	102	54-133			
Ethylbenzene	4.91	0.0250	5.00	ND	98.2	61-133			
Toluene	5.02	0.0250	5.00	ND	100	61-130			
o-Xylene	4.89	0.0250	5.00	ND	97.8	63-131			
p,m-Xylene	9.98	0.0500	10.0	ND	99.8	63-131			
Total Xylenes	14.9	0.0250	15.0	ND	99.2	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.16		8.00		89.4	70-130			

Matrix Spike Dup (2433090-MSD1) Source: E408139-03 Prepared: 08/15/24 Analyzed: 08/15/24

Benzene	5.05	0.0250	5.00	ND	101	54-133	0.992	20	
Ethylbenzene	4.86	0.0250	5.00	ND	97.3	61-133	0.950	20	
Toluene	4.97	0.0250	5.00	ND	99.3	61-130	1.03	20	
o-Xylene	4.85	0.0250	5.00	ND	97.0	63-131	0.870	20	
p,m-Xylene	9.88	0.0500	10.0	ND	98.8	63-131	1.03	20	
Total Xylenes	14.7	0.0250	15.0	ND	98.2	63-131	0.979	20	
Surrogate: 4-Bromochlorobenzene-PID	7.18		8.00		89.8	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Rebel 20 Federal 6Y	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	8/19/2024 9:21:38AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: CG

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

Blank (2433090-BLK1) Prepared: 08/15/24 Analyzed: 08/15/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.49		8.00		93.6	70-130			

LCS (2433090-BS2) Prepared: 08/15/24 Analyzed: 08/15/24

Gasoline Range Organics (C6-C10)	40.6	20.0	50.0		81.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.62		8.00		95.3	70-130			

Matrix Spike (2433090-MS2) Source: E408139-03 Prepared: 08/15/24 Analyzed: 08/15/24

Gasoline Range Organics (C6-C10)	41.0	20.0	50.0	ND	82.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.74		8.00		96.7	70-130			

Matrix Spike Dup (2433090-MSD2) Source: E408139-03 Prepared: 08/15/24 Analyzed: 08/15/24

Gasoline Range Organics (C6-C10)	40.4	20.0	50.0	ND	80.7	70-130	1.51	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.62		8.00		95.2	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Rebel 20 Federal 6Y	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	8/19/2024 9:21:38AM

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

Blank (2433088-BLK1)					Prepared: 08/15/24 Analyzed: 08/15/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	56.6		50.0		113	50-200			

LCS (2433088-BS1)					Prepared: 08/15/24 Analyzed: 08/15/24				
Diesel Range Organics (C10-C28)	199	25.0	250		79.6	38-132			
Surrogate: n-Nonane	56.4		50.0		113	50-200			

Matrix Spike (2433088-MS1)					Source: E408141-02		Prepared: 08/15/24 Analyzed: 08/15/24		
Diesel Range Organics (C10-C28)	209	25.0	250	ND	83.7	38-132			
Surrogate: n-Nonane	53.5		50.0		107	50-200			

Matrix Spike Dup (2433088-MSD1)					Source: E408141-02		Prepared: 08/15/24 Analyzed: 08/15/24		
Diesel Range Organics (C10-C28)	198	25.0	250	ND	79.1	38-132	5.72	20	
Surrogate: n-Nonane	55.9		50.0		112	50-200			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Rebel 20 Federal 6Y	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	8/19/2024 9:21:38AM

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 (2433093-BLK1)					Prepared: 08/15/24 Analyzed: 08/15/24				
Chloride	ND	20.0							
LCS (2433093-BS1)					Prepared: 08/15/24 Analyzed: 08/15/24				
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2433093-MS1)					Source: E408138-01		Prepared: 08/15/24 Analyzed: 08/15/24		
Chloride	264	100	250	ND	106	80-120			
Matrix Spike Dup (2433093-MSD1)					Source: E408138-01		Prepared: 08/15/24 Analyzed: 08/15/24		
Chloride	265	100	250	ND	106	80-120	0.289	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:	Rebel 20 Federal 6Y	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	08/19/24 09:21

- 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 1 of 1



Envirotech Analytical Laboratory

Printed: 8/15/2024 8:00:33AM

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:	08/15/24 07:45	Work Order ID:	E408141
Phone:	(505) 382-1211	Date Logged In:	08/14/24 15:35	Logged In By:	Raina Schwanz
Email:	ashley.giovengo@wescominc.com	Due Date:	08/21/24 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: Courier**Comments/Resolution****Sample Turn Around Time (TAT)**

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:

Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name: Rebel 20 Federal 6Y

Work Order: E408166

Job Number: 01058-0007

Received: 8/20/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
8/26/24

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: 8/26/24

Ashley Giovengo
6488 7 Rivers Hwy
Artesia, NM 88210



Project Name: Rebel 20 Federal 6Y
Workorder: E408166
Date Received: 8/20/2024 5:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/20/2024 5:00:00AM, under the Project Name: Rebel 20 Federal 6Y.

The analytical test results summarized in this report with the Project Name: Rebel 20 Federal 6Y 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
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljjarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
FS38 - 0.5	5
FS39 - 0.5	6
FS40 - 0.5	7
QC Summary Data	8
QC - Volatile Organic Compounds by EPA8260B	8
QC - Nonhalogenated Organics by EPA 8015D - GRO	9
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	10
QC - Anions by EPA 300.0/9056A	11
Definitions and Notes	12
Chain of Custody etc.	13

Sample Summary

Devon Energy - Carlsbad	Project Name:	Rebel 20 Federal 6Y	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	08/26/24 16:16

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS38 - 0.5	E408166-01A	Soil	08/16/24	08/20/24	Glass Jar, 2 oz.
FS39 - 0.5	E408166-02A	Soil	08/16/24	08/20/24	Glass Jar, 2 oz.
FS40 - 0.5	E408166-03A	Soil	08/16/24	08/20/24	Glass Jar, 2 oz.



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Rebel 20 Federal 6Y Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 8/26/2024 4:16:36PM
---	---	----------------------------------

FS38 - 0.5

E408166-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS		Batch: 2434039	
Benzene	ND	0.0250	1	08/20/24	08/21/24	
Ethylbenzene	ND	0.0250	1	08/20/24	08/21/24	
Toluene	ND	0.0250	1	08/20/24	08/21/24	
o-Xylene	ND	0.0250	1	08/20/24	08/21/24	
p,m-Xylene	ND	0.0500	1	08/20/24	08/21/24	
Total Xylenes	ND	0.0250	1	08/20/24	08/21/24	
Surrogate: Bromofluorobenzene		113 %	70-130	08/20/24	08/21/24	
Surrogate: 1,2-Dichloroethane-d4		89.5 %	70-130	08/20/24	08/21/24	
Surrogate: Toluene-d8		107 %	70-130	08/20/24	08/21/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2434039	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/20/24	08/21/24	
Surrogate: Bromofluorobenzene		113 %	70-130	08/20/24	08/21/24	
Surrogate: 1,2-Dichloroethane-d4		89.5 %	70-130	08/20/24	08/21/24	
Surrogate: Toluene-d8		107 %	70-130	08/20/24	08/21/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2434029	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/20/24	08/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/20/24	08/24/24	
Surrogate: n-Nonane		108 %	50-200	08/20/24	08/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2434032	
Chloride	67.5	20.0	1	08/20/24	08/21/24	



Sample Data

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

Project Name: Rebel 20 Federal 6Y
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
8/26/2024 4:16:36PM

FS39 - 0.5

E408166-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2434039
Benzene	ND	0.0250	1	08/20/24	08/21/24	
Ethylbenzene	ND	0.0250	1	08/20/24	08/21/24	
Toluene	ND	0.0250	1	08/20/24	08/21/24	
o-Xylene	ND	0.0250	1	08/20/24	08/21/24	
p,m-Xylene	ND	0.0500	1	08/20/24	08/21/24	
Total Xylenes	ND	0.0250	1	08/20/24	08/21/24	
Surrogate: Bromofluorobenzene		114 %	70-130	08/20/24	08/21/24	
Surrogate: 1,2-Dichloroethane-d4		91.2 %	70-130	08/20/24	08/21/24	
Surrogate: Toluene-d8		108 %	70-130	08/20/24	08/21/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2434039
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/20/24	08/21/24	
Surrogate: Bromofluorobenzene		114 %	70-130	08/20/24	08/21/24	
Surrogate: 1,2-Dichloroethane-d4		91.2 %	70-130	08/20/24	08/21/24	
Surrogate: Toluene-d8		108 %	70-130	08/20/24	08/21/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2434029
Diesel Range Organics (C10-C28)	73.5	25.0	1	08/20/24	08/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/20/24	08/24/24	
Surrogate: n-Nonane		99.6 %	50-200	08/20/24	08/24/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2434032
Chloride	60.9	20.0	1	08/20/24	08/21/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Rebel 20 Federal 6Y Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 8/26/2024 4:16:36PM
---	---	----------------------------------

FS40 - 0.5

E408166-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2434039
Benzene	ND	0.0250	1	08/20/24	08/21/24	
Ethylbenzene	ND	0.0250	1	08/20/24	08/21/24	
Toluene	ND	0.0250	1	08/20/24	08/21/24	
o-Xylene	ND	0.0250	1	08/20/24	08/21/24	
p,m-Xylene	ND	0.0500	1	08/20/24	08/21/24	
Total Xylenes	ND	0.0250	1	08/20/24	08/21/24	
Surrogate: Bromofluorobenzene		114 %	70-130	08/20/24	08/21/24	
Surrogate: 1,2-Dichloroethane-d4		88.7 %	70-130	08/20/24	08/21/24	
Surrogate: Toluene-d8		106 %	70-130	08/20/24	08/21/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2434039
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/20/24	08/21/24	
Surrogate: Bromofluorobenzene		114 %	70-130	08/20/24	08/21/24	
Surrogate: 1,2-Dichloroethane-d4		88.7 %	70-130	08/20/24	08/21/24	
Surrogate: Toluene-d8		106 %	70-130	08/20/24	08/21/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2434029
Diesel Range Organics (C10-C28)	130	25.0	1	08/20/24	08/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/20/24	08/24/24	
Surrogate: n-Nonane		104 %	50-200	08/20/24	08/24/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2434032
Chloride	336	20.0	1	08/20/24	08/21/24	



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Rebel 20 Federal 6Y	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	8/26/2024 4:16:36PM

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

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

Blank (2434039-BLK1)

Prepared: 08/20/24 Analyzed: 08/21/24

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.579		0.500		116	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.427		0.500		85.4	70-130			
Surrogate: Toluene-d8	0.545		0.500		109	70-130			

LCS (2434039-BS1)

Prepared: 08/20/24 Analyzed: 08/21/24

Benzene	2.28	0.0250	2.50		91.1	70-130			
Ethylbenzene	2.42	0.0250	2.50		96.9	70-130			
Toluene	2.51	0.0250	2.50		100	70-130			
o-Xylene	2.66	0.0250	2.50		106	70-130			
p,m-Xylene	5.32	0.0500	5.00		106	70-130			
Total Xylenes	7.98	0.0250	7.50		106	70-130			
Surrogate: Bromofluorobenzene	0.572		0.500		114	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.451		0.500		90.2	70-130			
Surrogate: Toluene-d8	0.536		0.500		107	70-130			

Matrix Spike (2434039-MS1)

Source: E408168-04

Prepared: 08/20/24 Analyzed: 08/21/24

Benzene	2.28	0.0250	2.50	ND	91.0	48-131			
Ethylbenzene	2.39	0.0250	2.50	ND	95.6	45-135			
Toluene	2.48	0.0250	2.50	ND	99.1	48-130			
o-Xylene	2.62	0.0250	2.50	ND	105	43-135			
p,m-Xylene	5.25	0.0500	5.00	ND	105	43-135			
Total Xylenes	7.87	0.0250	7.50	ND	105	43-135			
Surrogate: Bromofluorobenzene	0.565		0.500		113	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.472		0.500		94.4	70-130			
Surrogate: Toluene-d8	0.533		0.500		107	70-130			

Matrix Spike Dup (2434039-MSD1)

Source: E408168-04

Prepared: 08/20/24 Analyzed: 08/21/24

Benzene	2.23	0.0250	2.50	ND	89.3	48-131	1.93	23	
Ethylbenzene	2.36	0.0250	2.50	ND	94.4	45-135	1.35	27	
Toluene	2.44	0.0250	2.50	ND	97.4	48-130	1.65	24	
o-Xylene	2.61	0.0250	2.50	ND	105	43-135	0.325	27	
p,m-Xylene	5.15	0.0500	5.00	ND	103	43-135	1.92	27	
Total Xylenes	7.76	0.0250	7.50	ND	103	43-135	1.39	27	
Surrogate: Bromofluorobenzene	0.564		0.500		113	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.469		0.500		93.8	70-130			
Surrogate: Toluene-d8	0.530		0.500		106	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Rebel 20 Federal 6Y	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	8/26/2024 4:16:36PM

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

Blank (2434039-BLK1) Prepared: 08/20/24 Analyzed: 08/21/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.579		0.500		116	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.427		0.500		85.4	70-130			
Surrogate: Toluene-d8	0.545		0.500		109	70-130			

LCS (2434039-BS2) Prepared: 08/20/24 Analyzed: 08/21/24

Gasoline Range Organics (C6-C10)	47.7	20.0	50.0		95.3	70-130			
Surrogate: Bromofluorobenzene	0.558		0.500		112	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.447		0.500		89.3	70-130			
Surrogate: Toluene-d8	0.539		0.500		108	70-130			

Matrix Spike (2434039-MS2) Source: E408168-04 Prepared: 08/20/24 Analyzed: 08/21/24

Gasoline Range Organics (C6-C10)	48.3	20.0	50.0	ND	96.7	70-130			
Surrogate: Bromofluorobenzene	0.559		0.500		112	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.449		0.500		89.8	70-130			
Surrogate: Toluene-d8	0.539		0.500		108	70-130			

Matrix Spike Dup (2434039-MSD2) Source: E408168-04 Prepared: 08/20/24 Analyzed: 08/21/24

Gasoline Range Organics (C6-C10)	43.6	20.0	50.0	ND	87.2	70-130	10.2	20	
Surrogate: Bromofluorobenzene	0.545		0.500		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.468		0.500		93.5	70-130			
Surrogate: Toluene-d8	0.555		0.500		111	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Rebel 20 Federal 6Y	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	8/26/2024 4:16:36PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

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

Blank (2434029-BLK1)					Prepared: 08/20/24 Analyzed: 08/20/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	57.0		50.0		114	50-200			

LCS (2434029-BS1)					Prepared: 08/20/24 Analyzed: 08/20/24				
Diesel Range Organics (C10-C28)	203	25.0	250		81.2	38-132			
Surrogate: n-Nonane	55.6		50.0		111	50-200			

Matrix Spike (2434029-MS1)					Source: E408160-01		Prepared: 08/20/24 Analyzed: 08/24/24		
Diesel Range Organics (C10-C28)	6570	500	250	7010	NR	38-132			M4
Surrogate: n-Nonane	56.8		50.0		114	50-200			

Matrix Spike Dup (2434029-MSD1)					Source: E408160-01		Prepared: 08/20/24 Analyzed: 08/24/24		
Diesel Range Organics (C10-C28)	6600	500	250	7010	NR	38-132	0.464	20	M4
Surrogate: n-Nonane	57.0		50.0		114	50-200			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Rebel 20 Federal 6Y	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	8/26/2024 4:16:36PM

Anions by EPA 300.0/9056A

Analyst: WF

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

Blank (2434032-BLK1)					Prepared: 08/20/24 Analyzed: 08/20/24				
Chloride	ND	20.0							
LCS (2434032-BS1)					Prepared: 08/20/24 Analyzed: 08/20/24				
Chloride	250	20.0	250		100	90-110			
Matrix Spike (2434032-MS1)					Source: E408165-03		Prepared: 08/20/24 Analyzed: 08/20/24		
Chloride	259	20.0	250	ND	104	80-120			
Matrix Spike Dup (2434032-MSD1)					Source: E408165-03		Prepared: 08/20/24 Analyzed: 08/20/24		
Chloride	259	20.0	250	ND	104	80-120	0.161	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:	Rebel 20 Federal 6Y	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	08/26/24 16:16

- M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.

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

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



Page 1 of 1

envirotech

Envirotech Analytical Laboratory

Printed: 8/20/2024 9:27:01AM

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:	08/20/24 05:00	Work Order ID:	E408166
Phone:	(505) 382-1211	Date Logged In:	08/19/24 17:01	Logged In By:	Noe Soto
Email:	ashley.giovengo@wescominc.com	Due Date:	08/26/24 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: Rebel 20 Federal 6Y

Work Order: E408200

Job Number: 01058-0007

Received: 8/26/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
8/27/24

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: 8/27/24

Ashley Giovengo
6488 7 Rivers Hwy
Artesia, NM 88210



Project Name: Rebel 20 Federal 6Y
Workorder: E408200
Date Received: 8/26/2024 7:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/26/2024 7:00:00AM, under the Project Name: Rebel 20 Federal 6Y.

The analytical test results summarized in this report with the Project Name: Rebel 20 Federal 6Y 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
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljjarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
SW07 - 0-4'	5
QC Summary Data	6
QC - Volatile Organics by EPA 8021B	6
QC - Nonhalogenated Organics by EPA 8015D - GRO	7
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	8
QC - Anions by EPA 300.0/9056A	9
Definitions and Notes	10
Chain of Custody etc.	11

Sample Summary

Devon Energy - Carlsbad	Project Name:	Rebel 20 Federal 6Y	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	08/27/24 13:33

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW07 - 0-4'	E408200-01A	Soil	08/23/24	08/26/24	Glass Jar, 2 oz.



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Rebel 20 Federal 6Y Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 8/27/2024 1:33:14PM
---	---	----------------------------------

SW07 - 0-4'
E408200-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2435005	
Benzene	ND	0.0250	1	08/26/24	08/26/24	
Ethylbenzene	ND	0.0250	1	08/26/24	08/26/24	
Toluene	ND	0.0250	1	08/26/24	08/26/24	
o-Xylene	ND	0.0250	1	08/26/24	08/26/24	
p,m-Xylene	ND	0.0500	1	08/26/24	08/26/24	
Total Xylenes	ND	0.0250	1	08/26/24	08/26/24	
Surrogate: 4-Bromochlorobenzene-PID	91.7 %	70-130		08/26/24	08/26/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2435005	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/26/24	08/26/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	98.7 %	70-130		08/26/24	08/26/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2435001	
Diesel Range Organics (C10-C28)	74.8	25.0	1	08/26/24	08/26/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/26/24	08/26/24	
Surrogate: n-Nonane	78.7 %	50-200		08/26/24	08/26/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2435004	
Chloride	174	20.0	1	08/26/24	08/26/24	



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Rebel 20 Federal 6Y	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	8/27/2024 1:33:14PM

Volatile Organics by EPA 8021B

Analyst: CG

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

Blank (2435005-BLK1) Prepared: 08/26/24 Analyzed: 08/26/24

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	7.34		8.00		91.8	70-130			

LCS (2435005-BS1) Prepared: 08/26/24 Analyzed: 08/26/24

Benzene	3.61	0.0250	5.00		72.3	70-130			
Ethylbenzene	3.53	0.0250	5.00		70.7	70-130			
Toluene	3.59	0.0250	5.00		71.9	70-130			
o-Xylene	3.52	0.0250	5.00		70.5	70-130			
p,m-Xylene	7.21	0.0500	10.0		72.1	70-130			
Total Xylenes	10.7	0.0250	15.0		71.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.22		8.00		90.3	70-130			

Matrix Spike (2435005-MS1) Source: E408202-04 Prepared: 08/26/24 Analyzed: 08/26/24

Benzene	4.88	0.0250	5.00	ND	97.5	54-133			
Ethylbenzene	4.77	0.0250	5.00	ND	95.4	61-133			
Toluene	4.85	0.0250	5.00	ND	97.0	61-130			
o-Xylene	4.75	0.0250	5.00	ND	94.9	63-131			
p,m-Xylene	9.69	0.0500	10.0	ND	96.9	63-131			
Total Xylenes	14.4	0.0250	15.0	ND	96.3	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.22		8.00		90.2	70-130			

Matrix Spike Dup (2435005-MSD1) Source: E408202-04 Prepared: 08/26/24 Analyzed: 08/26/24

Benzene	4.24	0.0250	5.00	ND	84.7	54-133	14.0	20	
Ethylbenzene	4.17	0.0250	5.00	ND	83.5	61-133	13.3	20	
Toluene	4.23	0.0250	5.00	ND	84.6	61-130	13.7	20	
o-Xylene	4.14	0.0250	5.00	ND	82.8	63-131	13.7	20	
p,m-Xylene	8.49	0.0500	10.0	ND	84.9	63-131	13.3	20	
Total Xylenes	12.6	0.0250	15.0	ND	84.2	63-131	13.4	20	
Surrogate: 4-Bromochlorobenzene-PID	7.22		8.00		90.2	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Rebel 20 Federal 6Y	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	8/27/2024 1:33:14PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: CG

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

Blank (2435005-BLK1) Prepared: 08/26/24 Analyzed: 08/26/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.01		8.00		100	70-130			

LCS (2435005-BS2) Prepared: 08/26/24 Analyzed: 08/26/24

Gasoline Range Organics (C6-C10)	41.0	20.0	50.0		82.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.93		8.00		99.1	70-130			

Matrix Spike (2435005-MS2) Source: E408202-04 Prepared: 08/26/24 Analyzed: 08/26/24

Gasoline Range Organics (C6-C10)	40.4	20.0	50.0	ND	80.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.78		8.00		97.3	70-130			

Matrix Spike Dup (2435005-MSD2) Source: E408202-04 Prepared: 08/26/24 Analyzed: 08/26/24

Gasoline Range Organics (C6-C10)	39.0	20.0	50.0	ND	78.0	70-130	3.62	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.85		8.00		98.1	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Rebel 20 Federal 6Y	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	8/27/2024 1:33:14PM

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

Blank (2435001-BLK1) Prepared: 08/26/24 Analyzed: 08/26/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	38.6		50.0		77.3	50-200			

LCS (2435001-BS1) Prepared: 08/26/24 Analyzed: 08/26/24

Diesel Range Organics (C10-C28)	180	25.0	250		71.8	38-132			
Surrogate: n-Nonane	40.0		50.0		79.9	50-200			

Matrix Spike (2435001-MS1) Source: E408202-08 Prepared: 08/26/24 Analyzed: 08/26/24

Diesel Range Organics (C10-C28)	183	25.0	250	ND	73.1	38-132			
Surrogate: n-Nonane	38.8		50.0		77.6	50-200			

Matrix Spike Dup (2435001-MSD1) Source: E408202-08 Prepared: 08/26/24 Analyzed: 08/26/24

Diesel Range Organics (C10-C28)	187	25.0	250	ND	74.7	38-132	2.21	20	
Surrogate: n-Nonane	39.0		50.0		77.9	50-200			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Rebel 20 Federal 6Y	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	8/27/2024 1:33:14PM

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 (2435004-BLK1)					Prepared: 08/26/24 Analyzed: 08/26/24				
Chloride	ND	20.0							
LCS (2435004-BS1)					Prepared: 08/26/24 Analyzed: 08/26/24				
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2435004-MS1)					Source: E408200-01		Prepared: 08/26/24 Analyzed: 08/26/24		
Chloride	448	20.0	250	174	109	80-120			
Matrix Spike Dup (2435004-MSD1)					Source: E408200-01		Prepared: 08/26/24 Analyzed: 08/26/24		
Chloride	499	20.0	250	174	130	80-120	10.9	20	M1

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:	Rebel 20 Federal 6Y	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	08/27/24 13:33

- M1 Matrix spike recovery was above acceptance limits. The associated LCS spike recovery was acceptable.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.

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

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



Page 1 of 1



Envirotech Analytical Laboratory

Printed: 8/26/2024 7:48:17AM

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:	08/26/24 07:00	Work Order ID:	E408200
Phone:	(505) 382-1211	Date Logged In:	08/23/24 15:37	Logged In By:	Noe Soto
Email:	ashley.giovengo@wescominc.com	Due Date:	08/26/24 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? 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: Rebel 20 Federal 6Y

Work Order: E408204

Job Number: 01058-0007

Received: 8/24/2024

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
8/30/24

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: 8/30/24

Ashley Giovengo
6488 7 Rivers Hwy
Artesia, NM 88210



Project Name: Rebel 20 Federal 6Y
Workorder: E408204
Date Received: 8/24/2024 7:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/24/2024 7:00:00AM, under the Project Name: Rebel 20 Federal 6Y.

The analytical test results summarized in this report with the Project Name: Rebel 20 Federal 6Y 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
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljjarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	5
Sample Data	6
FS30 - 1.5'	6
FS33 - 0.5'	7
FS34 - 0.5'	8
FS35 - 0.5'	9
FS36 - 0.5'	10
FS37 - 0.5'	11
FS41 - 1'	12
FS42 - 1'	13
FS53 - 0.5'	14
FS54 - 0.5'	15
FS55 - 0.5'	16
FS56 - 0.5'	17
FS57 - 0.5'	18
SW01 - 0-2.5'	19
SW05 - 0-2'	20
QC Summary Data	21
QC - Volatile Organics by EPA 8021B	21
QC - Nonhalogenated Organics by EPA 8015D - GRO	22
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	23
QC - Anions by EPA 300.0/9056A	24

Table of Contents (continued)

Definitions and Notes	25
Chain of Custody etc.	26

Sample Summary

Devon Energy - Carlsbad	Project Name:	Rebel 20 Federal 6Y	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	08/30/24 13:41

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS30 - 1.5'	E408204-01A	Soil	08/22/24	08/24/24	Glass Jar, 2 oz.
FS33 - 0.5'	E408204-02A	Soil	08/22/24	08/24/24	Glass Jar, 2 oz.
FS34 - 0.5'	E408204-03A	Soil	08/22/24	08/24/24	Glass Jar, 2 oz.
FS35 - 0.5'	E408204-04A	Soil	08/22/24	08/24/24	Glass Jar, 2 oz.
FS36 - 0.5'	E408204-05A	Soil	08/22/24	08/24/24	Glass Jar, 2 oz.
FS37 - 0.5'	E408204-06A	Soil	08/22/24	08/24/24	Glass Jar, 2 oz.
FS41 - 1'	E408204-07A	Soil	08/22/24	08/24/24	Glass Jar, 2 oz.
FS42 - 1'	E408204-08A	Soil	08/22/24	08/24/24	Glass Jar, 2 oz.
FS53 - 0.5'	E408204-09A	Soil	08/22/24	08/24/24	Glass Jar, 2 oz.
FS54 - 0.5'	E408204-10A	Soil	08/22/24	08/24/24	Glass Jar, 2 oz.
FS55 - 0.5'	E408204-11A	Soil	08/22/24	08/24/24	Glass Jar, 2 oz.
FS56 - 0.5'	E408204-12A	Soil	08/22/24	08/24/24	Glass Jar, 2 oz.
FS57 - 0.5'	E408204-13A	Soil	08/22/24	08/24/24	Glass Jar, 2 oz.
SW01 - 0-2.5'	E408204-14A	Soil	08/22/24	08/24/24	Glass Jar, 2 oz.
SW05 - 0-2'	E408204-15A	Soil	08/22/24	08/24/24	Glass Jar, 2 oz.



Sample Data

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

Project Name: Rebel 20 Federal 6Y
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
8/30/2024 1:41:17PM

FS30 - 1.5'

E408204-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2435007	
Benzene	ND	0.0250	1	08/26/24	08/26/24	
Ethylbenzene	ND	0.0250	1	08/26/24	08/26/24	
Toluene	ND	0.0250	1	08/26/24	08/26/24	
o-Xylene	ND	0.0250	1	08/26/24	08/26/24	
p,m-Xylene	ND	0.0500	1	08/26/24	08/26/24	
Total Xylenes	ND	0.0250	1	08/26/24	08/26/24	
Surrogate: 4-Bromochlorobenzene-PID	105 %	70-130		08/26/24	08/26/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2435007	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/26/24	08/26/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	94.5 %	70-130		08/26/24	08/26/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2435003	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/26/24	08/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/26/24	08/27/24	
Surrogate: n-Nonane	79.7 %	50-200		08/26/24	08/27/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2435009	
Chloride	352	20.0	1	08/26/24	08/26/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Rebel 20 Federal 6Y Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 8/30/2024 1:41:17PM
---	---	----------------------------------

FS33 - 0.5'
E408204-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2435007	
Benzene	ND	0.0250	1	08/26/24	08/26/24	
Ethylbenzene	ND	0.0250	1	08/26/24	08/26/24	
Toluene	ND	0.0250	1	08/26/24	08/26/24	
o-Xylene	ND	0.0250	1	08/26/24	08/26/24	
p,m-Xylene	ND	0.0500	1	08/26/24	08/26/24	
Total Xylenes	ND	0.0250	1	08/26/24	08/26/24	
Surrogate: 4-Bromochlorobenzene-PID	107 %	70-130		08/26/24	08/26/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2435007	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/26/24	08/26/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	95.2 %	70-130		08/26/24	08/26/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2435003	
Diesel Range Organics (C10-C28)	319	25.0	1	08/26/24	08/27/24	
Oil Range Organics (C28-C36)	110	50.0	1	08/26/24	08/27/24	
Surrogate: n-Nonane	76.2 %	50-200		08/26/24	08/27/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2435009	
Chloride	102	20.0	1	08/26/24	08/26/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Rebel 20 Federal 6Y Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 8/30/2024 1:41:17PM
---	---	----------------------------------

FS34 - 0.5'
E408204-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2435007	
Benzene	ND	0.0250	1	08/26/24	08/26/24	
Ethylbenzene	0.0656	0.0250	1	08/26/24	08/26/24	
Toluene	ND	0.0250	1	08/26/24	08/26/24	
o-Xylene	0.153	0.0250	1	08/26/24	08/26/24	
p,m-Xylene	0.479	0.0500	1	08/26/24	08/26/24	
Total Xylenes	0.633	0.0250	1	08/26/24	08/26/24	
Surrogate: 4-Bromochlorobenzene-PID		112 %	70-130	08/26/24	08/26/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2435007	
Gasoline Range Organics (C6-C10)	27.4	20.0	1	08/26/24	08/26/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.8 %	70-130	08/26/24	08/26/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2435003	
Diesel Range Organics (C10-C28)	1800	25.0	1	08/26/24	08/27/24	
Oil Range Organics (C28-C36)	619	50.0	1	08/26/24	08/27/24	
Surrogate: n-Nonane		84.5 %	50-200	08/26/24	08/27/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2435009	
Chloride	305	20.0	1	08/26/24	08/26/24	



Sample Data

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

Project Name: Rebel 20 Federal 6Y
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
8/30/2024 1:41:17PM

FS35 - 0.5'

E408204-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2435007	
Benzene	ND	0.0250	1	08/26/24	08/26/24	
Ethylbenzene	ND	0.0250	1	08/26/24	08/26/24	
Toluene	ND	0.0250	1	08/26/24	08/26/24	
o-Xylene	ND	0.0250	1	08/26/24	08/26/24	
p,m-Xylene	ND	0.0500	1	08/26/24	08/26/24	
Total Xylenes	ND	0.0250	1	08/26/24	08/26/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	08/26/24	08/26/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2435007	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/26/24	08/26/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.8 %	70-130	08/26/24	08/26/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2435003	
Diesel Range Organics (C10-C28)	186	25.0	1	08/26/24	08/27/24	
Oil Range Organics (C28-C36)	70.0	50.0	1	08/26/24	08/27/24	
<i>Surrogate: n-Nonane</i>						
		78.4 %	50-200	08/26/24	08/27/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2435009	
Chloride	335	20.0	1	08/26/24	08/26/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Rebel 20 Federal 6Y Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 8/30/2024 1:41:17PM
---	---	----------------------------------

FS36 - 0.5'
E408204-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2435007	
Benzene	ND	0.0250	1	08/26/24	08/26/24	
Ethylbenzene	ND	0.0250	1	08/26/24	08/26/24	
Toluene	ND	0.0250	1	08/26/24	08/26/24	
o-Xylene	0.0289	0.0250	1	08/26/24	08/26/24	
p,m-Xylene	0.0563	0.0500	1	08/26/24	08/26/24	
Total Xylenes	0.0851	0.0250	1	08/26/24	08/26/24	
Surrogate: 4-Bromochlorobenzene-PID	108 %	70-130		08/26/24	08/26/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2435007	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/26/24	08/26/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	97.3 %	70-130		08/26/24	08/26/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2435003	
Diesel Range Organics (C10-C28)	775	25.0	1	08/26/24	08/27/24	
Oil Range Organics (C28-C36)	249	50.0	1	08/26/24	08/27/24	
Surrogate: n-Nonane	74.7 %	50-200		08/26/24	08/27/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2435009	
Chloride	141	20.0	1	08/26/24	08/26/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Rebel 20 Federal 6Y Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 8/30/2024 1:41:17PM
---	---	----------------------------------

FS37 - 0.5'
E408204-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2435007	
Benzene	ND	0.0250	1	08/26/24	08/26/24	
Ethylbenzene	0.0486	0.0250	1	08/26/24	08/26/24	
Toluene	ND	0.0250	1	08/26/24	08/26/24	
o-Xylene	0.132	0.0250	1	08/26/24	08/26/24	
p,m-Xylene	0.392	0.0500	1	08/26/24	08/26/24	
Total Xylenes	0.525	0.0250	1	08/26/24	08/26/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		110 %	70-130	08/26/24	08/26/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2435007	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/26/24	08/26/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		97.8 %	70-130	08/26/24	08/26/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2435003	
Diesel Range Organics (C10-C28)	625	25.0	1	08/26/24	08/27/24	
Oil Range Organics (C28-C36)	178	50.0	1	08/26/24	08/27/24	
<i>Surrogate: n-Nonane</i>						
		81.8 %	50-200	08/26/24	08/27/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2435009	
Chloride	189	20.0	1	08/26/24	08/26/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Rebel 20 Federal 6Y Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 8/30/2024 1:41:17PM
---	---	----------------------------------

FS41 - 1'

E408204-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2435007	
Benzene	ND	0.0250	1	08/26/24	08/26/24	
Ethylbenzene	ND	0.0250	1	08/26/24	08/26/24	
Toluene	ND	0.0250	1	08/26/24	08/26/24	
o-Xylene	ND	0.0250	1	08/26/24	08/26/24	
p,m-Xylene	ND	0.0500	1	08/26/24	08/26/24	
Total Xylenes	ND	0.0250	1	08/26/24	08/26/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	104 %	70-130		08/26/24	08/26/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2435007	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/26/24	08/26/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.6 %	70-130		08/26/24	08/26/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2435003	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/26/24	08/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/26/24	08/27/24	
<i>Surrogate: n-Nonane</i>						
	75.6 %	50-200		08/26/24	08/27/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2435009	
Chloride	ND	20.0	1	08/26/24	08/26/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Rebel 20 Federal 6Y Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 8/30/2024 1:41:17PM
---	---	----------------------------------

FS42 - 1'

E408204-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2435007	
Benzene	ND	0.0250	1	08/26/24	08/26/24	
Ethylbenzene	ND	0.0250	1	08/26/24	08/26/24	
Toluene	ND	0.0250	1	08/26/24	08/26/24	
o-Xylene	ND	0.0250	1	08/26/24	08/26/24	
p,m-Xylene	ND	0.0500	1	08/26/24	08/26/24	
Total Xylenes	ND	0.0250	1	08/26/24	08/26/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	08/26/24	08/26/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2435007	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/26/24	08/26/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.1 %	70-130	08/26/24	08/26/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2435003	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/26/24	08/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/26/24	08/27/24	
<i>Surrogate: n-Nonane</i>						
		83.7 %	50-200	08/26/24	08/27/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2435009	
Chloride	ND	20.0	1	08/26/24	08/26/24	



Sample Data

Devon Energy - Carlsbad	Project Name:	Rebel 20 Federal 6Y	Reported: 8/30/2024 1:41:17PM
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	

FS53 - 0.5'
E408204-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2435007	
Benzene	ND	0.0250	1	08/26/24	08/26/24	
Ethylbenzene	ND	0.0250	1	08/26/24	08/26/24	
Toluene	ND	0.0250	1	08/26/24	08/26/24	
o-Xylene	ND	0.0250	1	08/26/24	08/26/24	
p,m-Xylene	ND	0.0500	1	08/26/24	08/26/24	
Total Xylenes	ND	0.0250	1	08/26/24	08/26/24	
Surrogate: 4-Bromochlorobenzene-PID	103 %	70-130		08/26/24	08/26/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2435007	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/26/24	08/26/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	94.9 %	70-130		08/26/24	08/26/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2435003	
Diesel Range Organics (C10-C28)	34.8	25.0	1	08/26/24	08/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/26/24	08/27/24	
Surrogate: n-Nonane	63.4 %	50-200		08/26/24	08/27/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2435009	
Chloride	70.3	20.0	1	08/26/24	08/26/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Rebel 20 Federal 6Y Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 8/30/2024 1:41:17PM
---	---	----------------------------------

FS54 - 0.5'
E408204-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2435007	
Benzene	ND	0.0250	1	08/26/24	08/26/24	
Ethylbenzene	ND	0.0250	1	08/26/24	08/26/24	
Toluene	ND	0.0250	1	08/26/24	08/26/24	
o-Xylene	ND	0.0250	1	08/26/24	08/26/24	
p,m-Xylene	ND	0.0500	1	08/26/24	08/26/24	
Total Xylenes	ND	0.0250	1	08/26/24	08/26/24	
Surrogate: 4-Bromochlorobenzene-PID	102 %	70-130		08/26/24	08/26/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2435007	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/26/24	08/26/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	95.3 %	70-130		08/26/24	08/26/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2435003	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/26/24	08/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/26/24	08/27/24	
Surrogate: n-Nonane	67.7 %	50-200		08/26/24	08/27/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2435009	
Chloride	489	20.0	1	08/26/24	08/26/24	



Sample Data

Devon Energy - Carlsbad	Project Name:	Rebel 20 Federal 6Y	Reported: 8/30/2024 1:41:17PM
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	

FS55 - 0.5'
E408204-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2435007	
Benzene	ND	0.0250	1	08/26/24	08/26/24	
Ethylbenzene	ND	0.0250	1	08/26/24	08/26/24	
Toluene	ND	0.0250	1	08/26/24	08/26/24	
o-Xylene	ND	0.0250	1	08/26/24	08/26/24	
p,m-Xylene	ND	0.0500	1	08/26/24	08/26/24	
Total Xylenes	ND	0.0250	1	08/26/24	08/26/24	
Surrogate: 4-Bromochlorobenzene-PID	100 %	70-130		08/26/24	08/26/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2435007	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/26/24	08/26/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	95.9 %	70-130		08/26/24	08/26/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2435003	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/26/24	08/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/26/24	08/27/24	
Surrogate: n-Nonane	66.0 %	50-200		08/26/24	08/27/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2435009	
Chloride	185	20.0	1	08/26/24	08/26/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Rebel 20 Federal 6Y Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 8/30/2024 1:41:17PM
---	---	----------------------------------

FS56 - 0.5'
E408204-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2435007	
Benzene	ND	0.0250	1	08/26/24	08/27/24	
Ethylbenzene	ND	0.0250	1	08/26/24	08/27/24	
Toluene	ND	0.0250	1	08/26/24	08/27/24	
o-Xylene	ND	0.0250	1	08/26/24	08/27/24	
p,m-Xylene	ND	0.0500	1	08/26/24	08/27/24	
Total Xylenes	ND	0.0250	1	08/26/24	08/27/24	
Surrogate: 4-Bromochlorobenzene-PID	104 %	70-130		08/26/24	08/27/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2435007	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/26/24	08/27/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	96.5 %	70-130		08/26/24	08/27/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2435003	
Diesel Range Organics (C10-C28)	227	25.0	1	08/26/24	08/27/24	
Oil Range Organics (C28-C36)	66.6	50.0	1	08/26/24	08/27/24	
Surrogate: n-Nonane	62.5 %	50-200		08/26/24	08/27/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2435009	
Chloride	157	20.0	1	08/26/24	08/26/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Rebel 20 Federal 6Y Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 8/30/2024 1:41:17PM
---	---	----------------------------------

FS57 - 0.5'
E408204-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2435007	
Benzene	ND	0.0250	1	08/26/24	08/27/24	
Ethylbenzene	ND	0.0250	1	08/26/24	08/27/24	
Toluene	ND	0.0250	1	08/26/24	08/27/24	
o-Xylene	ND	0.0250	1	08/26/24	08/27/24	
p,m-Xylene	ND	0.0500	1	08/26/24	08/27/24	
Total Xylenes	ND	0.0250	1	08/26/24	08/27/24	
Surrogate: 4-Bromochlorobenzene-PID	103 %	70-130		08/26/24	08/27/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2435007	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/26/24	08/27/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	96.2 %	70-130		08/26/24	08/27/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2435003	
Diesel Range Organics (C10-C28)	278	25.0	1	08/26/24	08/27/24	
Oil Range Organics (C28-C36)	96.1	50.0	1	08/26/24	08/27/24	
Surrogate: n-Nonane	71.7 %	50-200		08/26/24	08/27/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2435009	
Chloride	74.6	20.0	1	08/26/24	08/26/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Rebel 20 Federal 6Y Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 8/30/2024 1:41:17PM
---	---	----------------------------------

SW01 - 0-2.5'
E408204-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2435007	
Benzene	ND	0.0250	1	08/26/24	08/27/24	
Ethylbenzene	ND	0.0250	1	08/26/24	08/27/24	
Toluene	ND	0.0250	1	08/26/24	08/27/24	
o-Xylene	ND	0.0250	1	08/26/24	08/27/24	
p,m-Xylene	ND	0.0500	1	08/26/24	08/27/24	
Total Xylenes	ND	0.0250	1	08/26/24	08/27/24	
Surrogate: 4-Bromochlorobenzene-PID	103 %	70-130		08/26/24	08/27/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2435007	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/26/24	08/27/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	96.5 %	70-130		08/26/24	08/27/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2435003	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/26/24	08/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/26/24	08/27/24	
Surrogate: n-Nonane	69.5 %	50-200		08/26/24	08/27/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2435009	
Chloride	83.6	20.0	1	08/26/24	08/26/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Rebel 20 Federal 6Y Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 8/30/2024 1:41:17PM
---	---	----------------------------------

SW05 - 0-2'
E408204-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2435007	
Benzene	ND	0.0250	1	08/26/24	08/27/24	
Ethylbenzene	ND	0.0250	1	08/26/24	08/27/24	
Toluene	ND	0.0250	1	08/26/24	08/27/24	
o-Xylene	ND	0.0250	1	08/26/24	08/27/24	
p,m-Xylene	ND	0.0500	1	08/26/24	08/27/24	
Total Xylenes	ND	0.0250	1	08/26/24	08/27/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	08/26/24	08/27/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2435007	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/26/24	08/27/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.1 %	70-130	08/26/24	08/27/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2435003	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/26/24	08/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/26/24	08/27/24	
<i>Surrogate: n-Nonane</i>						
		69.4 %	50-200	08/26/24	08/27/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2435009	
Chloride	ND	20.0	1	08/26/24	08/26/24	



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Rebel 20 Federal 6Y	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	8/30/2024 1:41:17PM

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 (2435007-BLK1) Prepared: 08/26/24 Analyzed: 08/26/24

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.22		8.00		103	70-130			

LCS (2435007-BS1) Prepared: 08/26/24 Analyzed: 08/26/24

Benzene	5.18	0.0250	5.00		104	70-130			
Ethylbenzene	5.17	0.0250	5.00		103	70-130			
Toluene	5.22	0.0250	5.00		104	70-130			
o-Xylene	5.16	0.0250	5.00		103	70-130			
p,m-Xylene	10.5	0.0500	10.0		105	70-130			
Total Xylenes	15.7	0.0250	15.0		105	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.16		8.00		102	70-130			

Matrix Spike (2435007-MS1) Source: E408204-05 Prepared: 08/26/24 Analyzed: 08/26/24

Benzene	4.95	0.0250	5.00	ND	99.1	54-133			
Ethylbenzene	4.95	0.0250	5.00	ND	99.0	61-133			
Toluene	4.99	0.0250	5.00	ND	99.7	61-130			
o-Xylene	5.06	0.0250	5.00	0.0289	101	63-131			
p,m-Xylene	10.1	0.0500	10.0	0.0563	101	63-131			
Total Xylenes	15.2	0.0250	15.0	0.0851	101	63-131			
Surrogate: 4-Bromochlorobenzene-PID	8.76		8.00		109	70-130			

Matrix Spike Dup (2435007-MSD1) Source: E408204-05 Prepared: 08/26/24 Analyzed: 08/26/24

Benzene	4.66	0.0250	5.00	ND	93.1	54-133	6.18	20	
Ethylbenzene	4.68	0.0250	5.00	ND	93.7	61-133	5.50	20	
Toluene	4.70	0.0250	5.00	ND	94.0	61-130	5.91	20	
o-Xylene	4.79	0.0250	5.00	0.0289	95.2	63-131	5.50	20	
p,m-Xylene	9.60	0.0500	10.0	0.0563	95.5	63-131	5.54	20	
Total Xylenes	14.4	0.0250	15.0	0.0851	95.4	63-131	5.53	20	
Surrogate: 4-Bromochlorobenzene-PID	8.61		8.00		108	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Rebel 20 Federal 6Y	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	8/30/2024 1:41:17PM

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

Blank (2435007-BLK1) Prepared: 08/26/24 Analyzed: 08/26/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.62		8.00		95.2	70-130			

LCS (2435007-BS2) Prepared: 08/26/24 Analyzed: 08/26/24

Gasoline Range Organics (C6-C10)	47.1	20.0	50.0		94.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.88		8.00		98.4	70-130			

Matrix Spike (2435007-MS2) Source: E408204-05 Prepared: 08/26/24 Analyzed: 08/26/24

Gasoline Range Organics (C6-C10)	54.5	20.0	50.0	ND	109	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.81		8.00		97.6	70-130			

Matrix Spike Dup (2435007-MSD2) Source: E408204-05 Prepared: 08/26/24 Analyzed: 08/26/24

Gasoline Range Organics (C6-C10)	55.2	20.0	50.0	ND	110	70-130	1.19	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.76		8.00		97.0	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Rebel 20 Federal 6Y	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	8/30/2024 1:41:17PM

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

Blank (2435003-BLK1) Prepared: 08/26/24 Analyzed: 08/27/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	40.3		50.0		80.7	50-200			

LCS (2435003-BS1) Prepared: 08/26/24 Analyzed: 08/27/24

Diesel Range Organics (C10-C28)	174	25.0	250		69.6	38-132			
Surrogate: n-Nonane	40.5		50.0		81.0	50-200			

Matrix Spike (2435003-MS1) Source: E408204-15 Prepared: 08/26/24 Analyzed: 08/27/24

Diesel Range Organics (C10-C28)	181	25.0	250	ND	72.5	38-132			
Surrogate: n-Nonane	37.6		50.0		75.1	50-200			

Matrix Spike Dup (2435003-MSD1) Source: E408204-15 Prepared: 08/26/24 Analyzed: 08/27/24

Diesel Range Organics (C10-C28)	189	25.0	250	ND	75.4	38-132	3.93	20	
Surrogate: n-Nonane	40.5		50.0		81.0	50-200			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Rebel 20 Federal 6Y	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	8/30/2024 1:41:17PM

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 (2435009-BLK1)					Prepared: 08/26/24 Analyzed: 08/26/24				
Chloride	ND	20.0							
LCS (2435009-BS1)					Prepared: 08/26/24 Analyzed: 08/26/24				
Chloride	248	20.0	250		99.1	90-110			
Matrix Spike (2435009-MS1)					Source: E408204-03		Prepared: 08/26/24 Analyzed: 08/26/24		
Chloride	550	20.0	250	305	98.0	80-120			
Matrix Spike Dup (2435009-MSD1)					Source: E408204-03		Prepared: 08/26/24 Analyzed: 08/26/24		
Chloride	567	20.0	250	305	105	80-120	3.02	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:	Rebel 20 Federal 6Y	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	08/30/24 13:41

- 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 1

Client Information				Invoice Information		Lab Use Only		TAT				State											
Client: Devon				Company: Devon		Lab WO# E408204		Job Number 01058-0007				<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: Rebel 20 Federal 6Y				Address: 205 E Bender Road #150								<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: Hobbs NM, 88240																			
Address: 3122 National Parks Hwy				Phone: (575)748-1838																			
City, State, Zip: Carlsbad NM, 88220				Email: dale.woodall@dv.com																			
Phone: 575-988-0055				Miscellaneous: Dale Woodall																			
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						
0751	8/22/24	Soil	1	FS30 - 1.5'		1						X											
0610	8/22/24	Soil	1	FS33 - 0.5'		2						X											
0612	8/22/24	Soil	1	FS34 - 0.5'		3						X											
0614	8/22/24	Soil	1	FS35 - 0.5'		4						X											
0816	8/22/24	Soil	1	FS36 - 0.5'		5						X											
0818	8/22/24	Soil	1	FS37 - 0.5'		6						X											
0834	8/22/24	Soil	1	FS41 - 1'		7						X											
0832	8/22/24	Soil	1	FS42 - 1'		8						X											
0820	8/22/24	Soil	1	FS53 - 0.5'		9						X											
0822	8/22/24	Soil	1	FS54 - 0.5'		10						X											
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, dale.woodall@dv.com, chamilton@ensolum.com, iestrella@ensolum.com, bdeal@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: Chad Hamilton, Brandon Deal																							
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.															
Michelle Gonzales		8/23/24	1130	Michelle Gonzales		8/23/24	1130																
Michelle Gonzales		8/23/24	1640	J. H.		8/23/24	1700																
J. H.		8/23/24	2315	Kathryn R. Heller		8/24/24	0700																
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only Received on ice: <input checked="" type="radio"/> Y / <input type="radio"/> N															
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 _____ T2 _____ T3 _____															
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.																							



Chain of Custody

[illegible]

Envirotech Analytical Laboratory

Printed: 8/26/2024 8:12:38AM

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:	08/26/24 07:00	Work Order ID:	E408204
Phone:	(505) 382-1211	Date Logged In:	08/23/24 16:23	Logged In By:	Noe Soto
Email:	ashley.giovengo@wescominc.com	Due Date:	08/30/24 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: Rebel 20 Federal 6Y

Work Order: E408221

Job Number: 01058-0007

Received: 8/27/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/3/24

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 9/3/24

Ashley Giovengo
6488 7 Rivers Hwy
Artesia, NM 88210



Project Name: Rebel 20 Federal 6Y
Workorder: E408221
Date Received: 8/27/2024 5:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/27/2024 5:00:00AM, under the Project Name: Rebel 20 Federal 6Y.

The analytical test results summarized in this report with the Project Name: Rebel 20 Federal 6Y 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
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljjarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
SW06 - 0-3'	5
FS48 - 4'	6
FS49 - 4'	7
FS47 - 4'	8
FS46 - 4'	9
FS50 - 4'	10
FS51 - 4'	11
FS59 - 4'	12
SW10 - 0-2'	13
QC Summary Data	14
QC - Volatile Organic Compounds by EPA 8260B	14
QC - Nonhalogenated Organics by EPA 8015D - GRO	15
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	16
QC - Anions by EPA 300.0/9056A	17
Definitions and Notes	18
Chain of Custody etc.	19

Sample Summary

Devon Energy - Carlsbad	Project Name:	Rebel 20 Federal 6Y	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	09/03/24 12:55

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW06 - 0-3'	E408221-01A	Soil	08/23/24	08/26/24	Glass Jar, 2 oz.
FS48 - 4'	E408221-02A	Soil	08/23/24	08/26/24	Glass Jar, 2 oz.
FS49 - 4'	E408221-03A	Soil	08/23/24	08/26/24	Glass Jar, 2 oz.
FS47 - 4'	E408221-04A	Soil	08/23/24	08/26/24	Glass Jar, 2 oz.
FS46 - 4'	E408221-05A	Soil	08/23/24	08/26/24	Glass Jar, 2 oz.
FS50 - 4'	E408221-06A	Soil	08/23/24	08/26/24	Glass Jar, 2 oz.
FS51 - 4'	E408221-07A	Soil	08/23/24	08/26/24	Glass Jar, 2 oz.
FS59 - 4'	E408221-08A	Soil	08/23/24	08/26/24	Glass Jar, 2 oz.
SW10 - 0-2'	E408221-09A	Soil	08/23/24	08/26/24	Glass Jar, 2 oz.



Sample Data

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

Project Name: Rebel 20 Federal 6Y
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
9/3/2024 12:55:21PM

SW06 - 0-3'

E408221-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2435028
Benzene	ND	0.0250	1	08/27/24	08/27/24	
Ethylbenzene	ND	0.0250	1	08/27/24	08/27/24	
Toluene	ND	0.0250	1	08/27/24	08/27/24	
o-Xylene	ND	0.0250	1	08/27/24	08/27/24	
p,m-Xylene	ND	0.0500	1	08/27/24	08/27/24	
Total Xylenes	ND	0.0250	1	08/27/24	08/27/24	
<i>Surrogate: Bromofluorobenzene</i>		106 %	70-130	08/27/24	08/27/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		92.9 %	70-130	08/27/24	08/27/24	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	08/27/24	08/27/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2435028
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/27/24	08/27/24	
<i>Surrogate: Bromofluorobenzene</i>		106 %	70-130	08/27/24	08/27/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		92.9 %	70-130	08/27/24	08/27/24	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	08/27/24	08/27/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2435031
Diesel Range Organics (C10-C28)	ND	25.0	1	08/27/24	08/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/27/24	08/27/24	
<i>Surrogate: n-Nonane</i>		86.3 %	50-200	08/27/24	08/27/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2435030
Chloride	96.7	20.0	1	08/27/24	08/27/24	



Sample Data

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

Project Name: Rebel 20 Federal 6Y
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
9/3/2024 12:55:21PM

FS48 - 4'

E408221-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2435028
Benzene	ND	0.0250	1	08/27/24	08/27/24	
Ethylbenzene	ND	0.0250	1	08/27/24	08/27/24	
Toluene	ND	0.0250	1	08/27/24	08/27/24	
o-Xylene	ND	0.0250	1	08/27/24	08/27/24	
p,m-Xylene	ND	0.0500	1	08/27/24	08/27/24	
Total Xylenes	ND	0.0250	1	08/27/24	08/27/24	
Surrogate: Bromofluorobenzene		109 %	70-130	08/27/24	08/27/24	
Surrogate: 1,2-Dichloroethane-d4		92.8 %	70-130	08/27/24	08/27/24	
Surrogate: Toluene-d8		104 %	70-130	08/27/24	08/27/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2435028
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/27/24	08/27/24	
Surrogate: Bromofluorobenzene		109 %	70-130	08/27/24	08/27/24	
Surrogate: 1,2-Dichloroethane-d4		92.8 %	70-130	08/27/24	08/27/24	
Surrogate: Toluene-d8		104 %	70-130	08/27/24	08/27/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2435031
Diesel Range Organics (C10-C28)	223	25.0	1	08/27/24	08/27/24	
Oil Range Organics (C28-C36)	93.3	50.0	1	08/27/24	08/27/24	
Surrogate: n-Nonane		90.9 %	50-200	08/27/24	08/27/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2435030
Chloride	1070	20.0	1	08/27/24	08/27/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Rebel 20 Federal 6Y Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 9/3/2024 12:55:21PM
---	---	----------------------------------

FS49 - 4'

E408221-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2435028	
Benzene	ND	0.0250	1	08/27/24	08/27/24	
Ethylbenzene	ND	0.0250	1	08/27/24	08/27/24	
Toluene	ND	0.0250	1	08/27/24	08/27/24	
o-Xylene	ND	0.0250	1	08/27/24	08/27/24	
p,m-Xylene	ND	0.0500	1	08/27/24	08/27/24	
Total Xylenes	ND	0.0250	1	08/27/24	08/27/24	
Surrogate: Bromofluorobenzene	106 %	70-130		08/27/24	08/27/24	
Surrogate: 1,2-Dichloroethane-d4	89.5 %	70-130		08/27/24	08/27/24	
Surrogate: Toluene-d8	105 %	70-130		08/27/24	08/27/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2435028	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/27/24	08/27/24	
Surrogate: Bromofluorobenzene	106 %	70-130		08/27/24	08/27/24	
Surrogate: 1,2-Dichloroethane-d4	89.5 %	70-130		08/27/24	08/27/24	
Surrogate: Toluene-d8	105 %	70-130		08/27/24	08/27/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2435031	
Diesel Range Organics (C10-C28)	88.0	25.0	1	08/27/24	08/27/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/27/24	08/27/24	
Surrogate: n-Nonane	92.7 %	50-200		08/27/24	08/27/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2435030	
Chloride	309	20.0	1	08/27/24	08/27/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Rebel 20 Federal 6Y Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 9/3/2024 12:55:21PM
---	---	----------------------------------

FS47 - 4'

E408221-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2435028	
Benzene	ND	0.0250	1	08/27/24	08/27/24	
Ethylbenzene	ND	0.0250	1	08/27/24	08/27/24	
Toluene	ND	0.0250	1	08/27/24	08/27/24	
o-Xylene	ND	0.0250	1	08/27/24	08/27/24	
p,m-Xylene	ND	0.0500	1	08/27/24	08/27/24	
Total Xylenes	ND	0.0250	1	08/27/24	08/27/24	
Surrogate: Bromofluorobenzene		117 %	70-130	08/27/24	08/27/24	
Surrogate: 1,2-Dichloroethane-d4		88.5 %	70-130	08/27/24	08/27/24	
Surrogate: Toluene-d8		105 %	70-130	08/27/24	08/27/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2435028	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/27/24	08/27/24	
Surrogate: Bromofluorobenzene		117 %	70-130	08/27/24	08/27/24	
Surrogate: 1,2-Dichloroethane-d4		88.5 %	70-130	08/27/24	08/27/24	
Surrogate: Toluene-d8		105 %	70-130	08/27/24	08/27/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2435031	
Diesel Range Organics (C10-C28)	1140	25.0	1	08/27/24	08/27/24	
Oil Range Organics (C28-C36)	390	50.0	1	08/27/24	08/27/24	
Surrogate: n-Nonane		87.3 %	50-200	08/27/24	08/27/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2435030	
Chloride	690	20.0	1	08/27/24	08/27/24	



Sample Data

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

Project Name: Rebel 20 Federal 6Y
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
9/3/2024 12:55:21PM

FS46 - 4'

E408221-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2435028
Benzene	ND	0.0250	1	08/27/24	08/27/24	
Ethylbenzene	ND	0.0250	1	08/27/24	08/27/24	
Toluene	ND	0.0250	1	08/27/24	08/27/24	
o-Xylene	ND	0.0250	1	08/27/24	08/27/24	
p,m-Xylene	ND	0.0500	1	08/27/24	08/27/24	
Total Xylenes	ND	0.0250	1	08/27/24	08/27/24	
Surrogate: Bromofluorobenzene		116 %	70-130	08/27/24	08/27/24	
Surrogate: 1,2-Dichloroethane-d4		92.0 %	70-130	08/27/24	08/27/24	
Surrogate: Toluene-d8		104 %	70-130	08/27/24	08/27/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2435028
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/27/24	08/27/24	
Surrogate: Bromofluorobenzene		116 %	70-130	08/27/24	08/27/24	
Surrogate: 1,2-Dichloroethane-d4		92.0 %	70-130	08/27/24	08/27/24	
Surrogate: Toluene-d8		104 %	70-130	08/27/24	08/27/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2435031
Diesel Range Organics (C10-C28)	431	25.0	1	08/27/24	08/27/24	
Oil Range Organics (C28-C36)	186	50.0	1	08/27/24	08/27/24	
Surrogate: n-Nonane		84.3 %	50-200	08/27/24	08/27/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2435030
Chloride	637	20.0	1	08/27/24	08/27/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Rebel 20 Federal 6Y Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 9/3/2024 12:55:21PM
---	---	----------------------------------

FS50 - 4'

E408221-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2435028	
Benzene	ND	0.0250	1	08/27/24	08/27/24	
Ethylbenzene	ND	0.0250	1	08/27/24	08/27/24	
Toluene	ND	0.0250	1	08/27/24	08/27/24	
o-Xylene	ND	0.0250	1	08/27/24	08/27/24	
p,m-Xylene	ND	0.0500	1	08/27/24	08/27/24	
Total Xylenes	ND	0.0250	1	08/27/24	08/27/24	
Surrogate: Bromofluorobenzene		116 %	70-130	08/27/24	08/27/24	
Surrogate: 1,2-Dichloroethane-d4		90.4 %	70-130	08/27/24	08/27/24	
Surrogate: Toluene-d8		103 %	70-130	08/27/24	08/27/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2435028	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/27/24	08/27/24	
Surrogate: Bromofluorobenzene		116 %	70-130	08/27/24	08/27/24	
Surrogate: 1,2-Dichloroethane-d4		90.4 %	70-130	08/27/24	08/27/24	
Surrogate: Toluene-d8		103 %	70-130	08/27/24	08/27/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2435031	
Diesel Range Organics (C10-C28)	120	25.0	1	08/27/24	08/30/24	
Oil Range Organics (C28-C36)	53.9	50.0	1	08/27/24	08/30/24	
Surrogate: n-Nonane		92.3 %	50-200	08/27/24	08/30/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2435030	
Chloride	160	20.0	1	08/27/24	08/27/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Rebel 20 Federal 6Y Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 9/3/2024 12:55:21PM
---	---	----------------------------------

FS51 - 4'

E408221-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2435028
Benzene	ND	0.0250	1	08/27/24	08/27/24	
Ethylbenzene	ND	0.0250	1	08/27/24	08/27/24	
Toluene	ND	0.0250	1	08/27/24	08/27/24	
o-Xylene	ND	0.0250	1	08/27/24	08/27/24	
p,m-Xylene	ND	0.0500	1	08/27/24	08/27/24	
Total Xylenes	ND	0.0250	1	08/27/24	08/27/24	
Surrogate: Bromofluorobenzene		108 %	70-130	08/27/24	08/27/24	
Surrogate: 1,2-Dichloroethane-d4		91.6 %	70-130	08/27/24	08/27/24	
Surrogate: Toluene-d8		106 %	70-130	08/27/24	08/27/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2435028
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/27/24	08/27/24	
Surrogate: Bromofluorobenzene		108 %	70-130	08/27/24	08/27/24	
Surrogate: 1,2-Dichloroethane-d4		91.6 %	70-130	08/27/24	08/27/24	
Surrogate: Toluene-d8		106 %	70-130	08/27/24	08/27/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2435031
Diesel Range Organics (C10-C28)	48.9	25.0	1	08/27/24	08/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/27/24	08/30/24	
Surrogate: n-Nonane		96.3 %	50-200	08/27/24	08/30/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2435030
Chloride	67.6	20.0	1	08/27/24	08/27/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Rebel 20 Federal 6Y Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 9/3/2024 12:55:21PM
---	---	----------------------------------

FS59 - 4'

E408221-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2435028	
Benzene	ND	0.0250	1	08/27/24	08/27/24	
Ethylbenzene	ND	0.0250	1	08/27/24	08/27/24	
Toluene	ND	0.0250	1	08/27/24	08/27/24	
o-Xylene	ND	0.0250	1	08/27/24	08/27/24	
p,m-Xylene	ND	0.0500	1	08/27/24	08/27/24	
Total Xylenes	ND	0.0250	1	08/27/24	08/27/24	
Surrogate: Bromofluorobenzene	107 %	70-130		08/27/24	08/27/24	
Surrogate: 1,2-Dichloroethane-d4	89.1 %	70-130		08/27/24	08/27/24	
Surrogate: Toluene-d8	106 %	70-130		08/27/24	08/27/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2435028	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/27/24	08/27/24	
Surrogate: Bromofluorobenzene	107 %	70-130		08/27/24	08/27/24	
Surrogate: 1,2-Dichloroethane-d4	89.1 %	70-130		08/27/24	08/27/24	
Surrogate: Toluene-d8	106 %	70-130		08/27/24	08/27/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2435031	
Diesel Range Organics (C10-C28)	735	25.0	1	08/27/24	08/30/24	
Oil Range Organics (C28-C36)	301	50.0	1	08/27/24	08/30/24	
Surrogate: n-Nonane	98.7 %	50-200		08/27/24	08/30/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2435030	
Chloride	527	20.0	1	08/27/24	08/27/24	



Sample Data

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

Project Name: Rebel 20 Federal 6Y
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
9/3/2024 12:55:21PM

SW10 - 0-2'

E408221-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2435028
Benzene	ND	0.0250	1	08/27/24	08/27/24	
Ethylbenzene	ND	0.0250	1	08/27/24	08/27/24	
Toluene	ND	0.0250	1	08/27/24	08/27/24	
o-Xylene	ND	0.0250	1	08/27/24	08/27/24	
p,m-Xylene	ND	0.0500	1	08/27/24	08/27/24	
Total Xylenes	ND	0.0250	1	08/27/24	08/27/24	
Surrogate: Bromofluorobenzene		104 %	70-130	08/27/24	08/27/24	
Surrogate: 1,2-Dichloroethane-d4		92.4 %	70-130	08/27/24	08/27/24	
Surrogate: Toluene-d8		106 %	70-130	08/27/24	08/27/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2435028
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/27/24	08/27/24	
Surrogate: Bromofluorobenzene		104 %	70-130	08/27/24	08/27/24	
Surrogate: 1,2-Dichloroethane-d4		92.4 %	70-130	08/27/24	08/27/24	
Surrogate: Toluene-d8		106 %	70-130	08/27/24	08/27/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2435031
Diesel Range Organics (C10-C28)	ND	25.0	1	08/27/24	08/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/27/24	08/30/24	
Surrogate: n-Nonane		94.8 %	50-200	08/27/24	08/30/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: IY		Batch: 2435030
Chloride	ND	20.0	1	08/27/24	08/27/24	



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Rebel 20 Federal 6Y	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	9/3/2024 12:55:21PM

Volatile Organic Compounds by EPA 8260B

Analyst: BA

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

Blank (2435028-BLK1) Prepared: 08/27/24 Analyzed: 08/27/24

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.553		0.500		111	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.449		0.500		89.7	70-130			
Surrogate: Toluene-d8	0.522		0.500		104	70-130			

LCS (2435028-BS1) Prepared: 08/27/24 Analyzed: 08/27/24

Benzene	2.15	0.0250	2.50		86.0	70-130			
Ethylbenzene	2.33	0.0250	2.50		93.2	70-130			
Toluene	2.38	0.0250	2.50		95.1	70-130			
o-Xylene	2.57	0.0250	2.50		103	70-130			
p,m-Xylene	5.14	0.0500	5.00		103	70-130			
Total Xylenes	7.71	0.0250	7.50		103	70-130			
Surrogate: Bromofluorobenzene	0.546		0.500		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.464		0.500		92.8	70-130			
Surrogate: Toluene-d8	0.530		0.500		106	70-130			

Matrix Spike (2435028-MS1) Source: E408221-07 Prepared: 08/27/24 Analyzed: 08/27/24

Benzene	2.16	0.0250	2.50	ND	86.3	48-131			
Ethylbenzene	2.33	0.0250	2.50	ND	93.4	45-135			
Toluene	2.37	0.0250	2.50	ND	94.8	48-130			
o-Xylene	2.59	0.0250	2.50	ND	104	43-135			
p,m-Xylene	5.15	0.0500	5.00	ND	103	43-135			
Total Xylenes	7.74	0.0250	7.50	ND	103	43-135			
Surrogate: Bromofluorobenzene	0.540		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.467		0.500		93.3	70-130			
Surrogate: Toluene-d8	0.515		0.500		103	70-130			

Matrix Spike Dup (2435028-MSD1) Source: E408221-07 Prepared: 08/27/24 Analyzed: 08/27/24

Benzene	2.10	0.0250	2.50	ND	83.9	48-131	2.77	23	
Ethylbenzene	2.35	0.0250	2.50	ND	94.0	45-135	0.662	27	
Toluene	2.36	0.0250	2.50	ND	94.5	48-130	0.275	24	
o-Xylene	2.60	0.0250	2.50	ND	104	43-135	0.616	27	
p,m-Xylene	5.13	0.0500	5.00	ND	103	43-135	0.399	27	
Total Xylenes	7.74	0.0250	7.50	ND	103	43-135	0.0582	27	
Surrogate: Bromofluorobenzene	0.578		0.500		116	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.459		0.500		91.8	70-130			
Surrogate: Toluene-d8	0.521		0.500		104	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Rebel 20 Federal 6Y	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	9/3/2024 12:55:21PM

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

Blank (2435028-BLK1) Prepared: 08/27/24 Analyzed: 08/27/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.553		0.500		111	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.449		0.500		89.7	70-130			
Surrogate: Toluene-d8	0.522		0.500		104	70-130			

LCS (2435028-BS2) Prepared: 08/27/24 Analyzed: 08/27/24

Gasoline Range Organics (C6-C10)	48.1	20.0	50.0		96.1	70-130			
Surrogate: Bromofluorobenzene	0.545		0.500		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.470		0.500		93.9	70-130			
Surrogate: Toluene-d8	0.541		0.500		108	70-130			

Matrix Spike (2435028-MS2) Source: E408221-07 Prepared: 08/27/24 Analyzed: 08/27/24

Gasoline Range Organics (C6-C10)	51.9	20.0	50.0	ND	104	70-130			
Surrogate: Bromofluorobenzene	0.594		0.500		119	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.457		0.500		91.3	70-130			
Surrogate: Toluene-d8	0.529		0.500		106	70-130			

Matrix Spike Dup (2435028-MSD2) Source: E408221-07 Prepared: 08/27/24 Analyzed: 08/27/24

Gasoline Range Organics (C6-C10)	50.0	20.0	50.0	ND	100	70-130	3.82	20	
Surrogate: Bromofluorobenzene	0.583		0.500		117	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.454		0.500		90.8	70-130			
Surrogate: Toluene-d8	0.539		0.500		108	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Rebel 20 Federal 6Y	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	9/3/2024 12:55:21PM

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

Blank (2435031-BLK1) Prepared: 08/27/24 Analyzed: 08/27/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	44.0		50.0		87.9	50-200			

LCS (2435031-BS1) Prepared: 08/27/24 Analyzed: 08/27/24

Diesel Range Organics (C10-C28)	221	25.0	250		88.4	38-132			
Surrogate: n-Nonane	46.3		50.0		92.7	50-200			

Matrix Spike (2435031-MS1) Source: E408217-02 Prepared: 08/27/24 Analyzed: 08/28/24

Diesel Range Organics (C10-C28)	242	25.0	250	ND	97.0	38-132			
Surrogate: n-Nonane	45.7		50.0		91.4	50-200			

Matrix Spike Dup (2435031-MSD1) Source: E408217-02 Prepared: 08/27/24 Analyzed: 08/28/24

Diesel Range Organics (C10-C28)	242	25.0	250	ND	96.7	38-132	0.311	20	
Surrogate: n-Nonane	43.2		50.0		86.4	50-200			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Rebel 20 Federal 6Y	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	9/3/2024 12:55:21PM

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 (2435030-BLK1)					Prepared: 08/27/24 Analyzed: 08/27/24				
Chloride	ND	20.0							
LCS (2435030-BS1)					Prepared: 08/27/24 Analyzed: 08/27/24				
Chloride	256	20.0	250		102	90-110			
Matrix Spike (2435030-MS1)					Source: E408221-02		Prepared: 08/27/24 Analyzed: 08/27/24		
Chloride	1260	20.0	250	1070	76.7	80-120			M4
Matrix Spike Dup (2435030-MSD1)					Source: E408221-02		Prepared: 08/27/24 Analyzed: 08/27/24		
Chloride	1280	20.0	250	1070	86.2	80-120	1.88	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:	Rebel 20 Federal 6Y	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	09/03/24 12:55

- M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.

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

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



Chain of Custody

Client Information				Invoice Information		Lab Use Only		TAT				State					
Client: Devon				Company: Devon		Lab WO#		1D 2D 3D Std				NM CO UT TX					
Project: Rebel 20 Federal 6Y				Address: 205 E Bender Road #150		E408221		Job Number				01058-0007					
Project Manager: Ashley Giovengo				City, State, Zip: Hobbs NM, 88240								X					
Address: 3122 National Parks Hwy				Phone: (575)748-1838													
City, State, Zip: Carlsbad NM, 88220				Email: dale.woodall@dvn.com													
Phone: 575-988-0055				Miscellaneous: Dale Woodall													
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
0745	8/23/24	Soil	1	SW06 - 0-3'		1						X					
0747	8/23/24	Soil	1	SW07 - 0-4' BD								X					
0730	8/23/24	Soil	1	FS46 - 4'		2						X					
0747	8/23/24	Soil	1	FS49 - 4'		3						X					
0750	8/23/24	Soil	1	FS47 - 4'		4						X					
0748	8/23/24	Soil	1	FS46 - 4'		5						X					
6745	8/23/24	Soil	1	FS50 - 4'		6						X					
6825	8/23/24	Soil	1	FS51 - 3'		7						X					
6915	8/23/24	Soil	1	FS59 - 4'		8						X					
6923	8/23/24	Soil	1	SW10 - 0-2'		9						X					
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, dale.woodall@dvn.com, chamilton@ensolum.com, iestrella@ensolum.com, bdeal@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: Chad Hamilton, Brandon Deal																	
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. Lab Use Only Received on ice: <input checked="" type="checkbox"/> / N T1 _____ T2 _____ T3 _____ AVG Temp °C 4									
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time										
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA							
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																	



Envirotech Analytical Laboratory

Printed: 8/27/2024 9:56:31AM

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:	08/26/24 06:00	Work Order ID:	E408221
Phone:	(505) 382-1211	Date Logged In:	08/26/24 16:49	Logged In By:	Raina Schwanz
Email:	ashley.giovengo@wescominc.com	Due Date:	08/30/24 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/Resolution

Samples missing collectors initial.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? 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: Rebel 20 Federal 6Y

Work Order: E408240

Job Number: 01058-0007

Received: 8/28/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/4/24

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 9/4/24

Ashley Giovengo
6488 7 Rivers Hwy
Artesia, NM 88210



Project Name: Rebel 20 Federal 6Y
Workorder: E408240
Date Received: 8/28/2024 7:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/28/2024 7:00:00AM, under the Project Name: Rebel 20 Federal 6Y.

The analytical test results summarized in this report with the Project Name: Rebel 20 Federal 6Y 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
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljjarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
SW04 - 0-2'	5
SW08 - 0-5'	6
SW09 - 0-5'	7
SW11 - 0-2.5'	8
SW12 - 0-2.5'	9
FS29 - 2.5'	10
FS31 - 1.5'	11
FS32 - 1.5'	12
FS58 - 5'	13
QC Summary Data	14
QC - Volatile Organics by EPA 8021B	14
QC - Nonhalogenated Organics by EPA 8015D - GRO	15
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	16
QC - Anions by EPA 300.0/9056A	17
Definitions and Notes	18
Chain of Custody etc.	19

Sample Summary

Devon Energy - Carlsbad	Project Name:	Rebel 20 Federal 6Y	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	09/04/24 09:43

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW04 - 0-2'	E408240-01A	Soil	08/26/24	08/28/24	Glass Jar, 2 oz.
SW08 - 0-5'	E408240-02A	Soil	08/26/24	08/28/24	Glass Jar, 2 oz.
SW09 - 0-5'	E408240-03A	Soil	08/26/24	08/28/24	Glass Jar, 2 oz.
SW11 - 0-2.5'	E408240-04A	Soil	08/26/24	08/28/24	Glass Jar, 2 oz.
SW12 - 0-2.5'	E408240-05A	Soil	08/26/24	08/28/24	Glass Jar, 2 oz.
FS29 - 2.5'	E408240-06A	Soil	08/26/24	08/28/24	Glass Jar, 2 oz.
FS31 - 1.5'	E408240-07A	Soil	08/26/24	08/28/24	Glass Jar, 2 oz.
FS32 - 1.5'	E408240-08A	Soil	08/26/24	08/28/24	Glass Jar, 2 oz.
FS58 - 5'	E408240-09A	Soil	08/26/24	08/28/24	Glass Jar, 2 oz.



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Rebel 20 Federal 6Y Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 9/4/2024 9:43:07AM
---	---	---------------------------------

SW04 - 0-2'
E408240-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2435085	
Benzene	ND	0.0250	1	08/28/24	08/30/24	
Ethylbenzene	ND	0.0250	1	08/28/24	08/30/24	
Toluene	ND	0.0250	1	08/28/24	08/30/24	
o-Xylene	ND	0.0250	1	08/28/24	08/30/24	
p,m-Xylene	ND	0.0500	1	08/28/24	08/30/24	
Total Xylenes	ND	0.0250	1	08/28/24	08/30/24	
Surrogate: 4-Bromochlorobenzene-PID	101 %	70-130		08/28/24	08/30/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2435085	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/28/24	08/30/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	95.1 %	70-130		08/28/24	08/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2435086	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/28/24	08/29/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/28/24	08/29/24	
Surrogate: n-Nonane	80.7 %	50-200		08/28/24	08/29/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2435084	
Chloride	296	20.0	1	08/28/24	08/29/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Rebel 20 Federal 6Y Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 9/4/2024 9:43:07AM
---	---	---------------------------------

SW08 - 0-5'
E408240-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2435085	
Benzene	ND	0.0250	1	08/28/24	08/30/24	
Ethylbenzene	ND	0.0250	1	08/28/24	08/30/24	
Toluene	ND	0.0250	1	08/28/24	08/30/24	
o-Xylene	ND	0.0250	1	08/28/24	08/30/24	
p,m-Xylene	ND	0.0500	1	08/28/24	08/30/24	
Total Xylenes	ND	0.0250	1	08/28/24	08/30/24	
Surrogate: 4-Bromochlorobenzene-PID	99.4 %	70-130		08/28/24	08/30/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2435085	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/28/24	08/30/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	95.0 %	70-130		08/28/24	08/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2435086	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/28/24	08/29/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/28/24	08/29/24	
Surrogate: n-Nonane	72.9 %	50-200		08/28/24	08/29/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2435084	
Chloride	27.2	20.0	1	08/28/24	08/29/24	



Sample Data

Devon Energy - Carlsbad	Project Name:	Rebel 20 Federal 6Y	Reported: 9/4/2024 9:43:07AM
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	

SW09 - 0-5'
E408240-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2435085	
Benzene	ND	0.0250	1	08/28/24	08/30/24	
Ethylbenzene	ND	0.0250	1	08/28/24	08/30/24	
Toluene	ND	0.0250	1	08/28/24	08/30/24	
o-Xylene	ND	0.0250	1	08/28/24	08/30/24	
p,m-Xylene	ND	0.0500	1	08/28/24	08/30/24	
Total Xylenes	ND	0.0250	1	08/28/24	08/30/24	
Surrogate: 4-Bromochlorobenzene-PID	98.3 %	70-130		08/28/24	08/30/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2435085	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/28/24	08/30/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	95.0 %	70-130		08/28/24	08/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2435086	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/28/24	08/29/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/28/24	08/29/24	
Surrogate: n-Nonane	78.3 %	50-200		08/28/24	08/29/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2435084	
Chloride	ND	20.0	1	08/28/24	08/29/24	



Sample Data

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

Project Name: Rebel 20 Federal 6Y
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
9/4/2024 9:43:07AM

SW11 - 0-2.5'

E408240-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2435085	
Benzene	ND	0.0250	1	08/28/24	08/30/24	
Ethylbenzene	ND	0.0250	1	08/28/24	08/30/24	
Toluene	ND	0.0250	1	08/28/24	08/30/24	
o-Xylene	ND	0.0250	1	08/28/24	08/30/24	
p,m-Xylene	ND	0.0500	1	08/28/24	08/30/24	
Total Xylenes	ND	0.0250	1	08/28/24	08/30/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.3 %	70-130		08/28/24	08/30/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2435085	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/28/24	08/30/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.3 %	70-130		08/28/24	08/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2435086	
Diesel Range Organics (C10-C28)	29.2	25.0	1	08/28/24	08/29/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/28/24	08/29/24	
<i>Surrogate: n-Nonane</i>						
	80.2 %	50-200		08/28/24	08/29/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2435084	
Chloride	68.1	20.0	1	08/28/24	08/29/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Rebel 20 Federal 6Y Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 9/4/2024 9:43:07AM
---	---	---------------------------------

SW12 - 0-2.5'
E408240-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2435085	
Benzene	ND	0.0250	1	08/28/24	08/30/24	
Ethylbenzene	ND	0.0250	1	08/28/24	08/30/24	
Toluene	ND	0.0250	1	08/28/24	08/30/24	
o-Xylene	ND	0.0250	1	08/28/24	08/30/24	
p,m-Xylene	ND	0.0500	1	08/28/24	08/30/24	
Total Xylenes	ND	0.0250	1	08/28/24	08/30/24	
Surrogate: 4-Bromochlorobenzene-PID	98.9 %	70-130		08/28/24	08/30/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2435085	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/28/24	08/30/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	96.0 %	70-130		08/28/24	08/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2435086	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/28/24	08/29/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/28/24	08/29/24	
Surrogate: n-Nonane	79.5 %	50-200		08/28/24	08/29/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2435084	
Chloride	34.3	20.0	1	08/28/24	08/29/24	



Sample Data

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

Project Name: Rebel 20 Federal 6Y
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
9/4/2024 9:43:07AM

FS29 - 2.5'

E408240-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2435085	
Benzene	ND	0.0250	1	08/28/24	08/30/24	
Ethylbenzene	ND	0.0250	1	08/28/24	08/30/24	
Toluene	ND	0.0250	1	08/28/24	08/30/24	
o-Xylene	ND	0.0250	1	08/28/24	08/30/24	
p,m-Xylene	ND	0.0500	1	08/28/24	08/30/24	
Total Xylenes	ND	0.0250	1	08/28/24	08/30/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	98.7 %	70-130		08/28/24	08/30/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2435085	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/28/24	08/30/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	95.5 %	70-130		08/28/24	08/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2435086	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/28/24	08/29/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/28/24	08/29/24	
<i>Surrogate: n-Nonane</i>	73.9 %	50-200		08/28/24	08/29/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2435084	
Chloride	75.7	20.0	1	08/28/24	08/29/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Rebel 20 Federal 6Y Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 9/4/2024 9:43:07AM
---	---	---------------------------------

FS31 - 1.5'
E408240-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2435085	
Benzene	ND	0.0250	1	08/28/24	08/30/24	
Ethylbenzene	ND	0.0250	1	08/28/24	08/30/24	
Toluene	ND	0.0250	1	08/28/24	08/30/24	
o-Xylene	ND	0.0250	1	08/28/24	08/30/24	
p,m-Xylene	ND	0.0500	1	08/28/24	08/30/24	
Total Xylenes	ND	0.0250	1	08/28/24	08/30/24	
Surrogate: 4-Bromochlorobenzene-PID	99.9 %	70-130		08/28/24	08/30/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2435085	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/28/24	08/30/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	94.4 %	70-130		08/28/24	08/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2435086	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/28/24	08/29/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/28/24	08/29/24	
Surrogate: n-Nonane	81.2 %	50-200		08/28/24	08/29/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2435084	
Chloride	1300	20.0	1	08/28/24	08/29/24	



Sample Data

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

Project Name: Rebel 20 Federal 6Y
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
9/4/2024 9:43:07AM

FS32 - 1.5'

E408240-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2435085	
Benzene	ND	0.0250	1	08/28/24	08/30/24	
Ethylbenzene	ND	0.0250	1	08/28/24	08/30/24	
Toluene	ND	0.0250	1	08/28/24	08/30/24	
o-Xylene	ND	0.0250	1	08/28/24	08/30/24	
p,m-Xylene	ND	0.0500	1	08/28/24	08/30/24	
Total Xylenes	ND	0.0250	1	08/28/24	08/30/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.6 %	70-130		08/28/24	08/30/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2435085	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/28/24	08/30/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.4 %	70-130		08/28/24	08/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2435086	
Diesel Range Organics (C10-C28)	ND	25.0	1	08/28/24	08/29/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/28/24	08/29/24	
<i>Surrogate: n-Nonane</i>						
	79.1 %	50-200		08/28/24	08/29/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2435084	
Chloride	49.9	20.0	1	08/28/24	08/29/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Rebel 20 Federal 6Y Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 9/4/2024 9:43:07AM
---	---	---------------------------------

FS58 - 5'

E408240-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2435085	
Benzene	ND	0.0250	1	08/28/24	08/30/24	
Ethylbenzene	ND	0.0250	1	08/28/24	08/30/24	
Toluene	ND	0.0250	1	08/28/24	08/30/24	
o-Xylene	ND	0.0250	1	08/28/24	08/30/24	
p,m-Xylene	ND	0.0500	1	08/28/24	08/30/24	
Total Xylenes	ND	0.0250	1	08/28/24	08/30/24	
Surrogate: 4-Bromochlorobenzene-PID	100 %	70-130		08/28/24	08/30/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2435085	
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/28/24	08/30/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	92.9 %	70-130		08/28/24	08/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2435086	
Diesel Range Organics (C10-C28)	43.6	25.0	1	08/28/24	08/29/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/28/24	08/29/24	
Surrogate: n-Nonane	82.5 %	50-200		08/28/24	08/29/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2435084	
Chloride	51.1	20.0	1	08/28/24	08/29/24	



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Rebel 20 Federal 6Y	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	9/4/2024 9:43:07AM

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 (2435085-BLK1)Prepared: 08/28/24 Analyzed: 08/30/24

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	7.84		8.00		97.9	70-130			

LCS (2435085-BS1)Prepared: 08/28/24 Analyzed: 08/30/24

Benzene	4.76	0.0250	5.00		95.2	70-130			
Ethylbenzene	4.58	0.0250	5.00		91.6	70-130			
Toluene	4.69	0.0250	5.00		93.8	70-130			
o-Xylene	4.59	0.0250	5.00		91.7	70-130			
p,m-Xylene	9.34	0.0500	10.0		93.4	70-130			
Total Xylenes	13.9	0.0250	15.0		92.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.74		8.00		96.7	70-130			

Matrix Spike (2435085-MS1)Source: E408240-08Prepared: 08/28/24 Analyzed: 08/30/24

Benzene	5.10	0.0250	5.00	ND	102	54-133			
Ethylbenzene	4.92	0.0250	5.00	ND	98.4	61-133			
Toluene	5.02	0.0250	5.00	ND	100	61-130			
o-Xylene	4.91	0.0250	5.00	ND	98.1	63-131			
p,m-Xylene	10.0	0.0500	10.0	ND	100	63-131			
Total Xylenes	14.9	0.0250	15.0	ND	99.5	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.83		8.00		97.8	70-130			

Matrix Spike Dup (2435085-MSD1)Source: E408240-08Prepared: 08/28/24 Analyzed: 08/30/24

Benzene	5.04	0.0250	5.00	ND	101	54-133	1.26	20	
Ethylbenzene	4.86	0.0250	5.00	ND	97.1	61-133	1.31	20	
Toluene	4.96	0.0250	5.00	ND	99.3	61-130	1.14	20	
o-Xylene	4.85	0.0250	5.00	ND	97.1	63-131	1.07	20	
p,m-Xylene	9.89	0.0500	10.0	ND	98.9	63-131	1.25	20	
Total Xylenes	14.7	0.0250	15.0	ND	98.3	63-131	1.19	20	
Surrogate: 4-Bromochlorobenzene-PID	7.78		8.00		97.3	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Rebel 20 Federal 6Y	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	9/4/2024 9:43:07AM

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

Blank (2435085-BLK1) Prepared: 08/28/24 Analyzed: 08/30/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.77		8.00		97.1	70-130			

LCS (2435085-BS2) Prepared: 08/28/24 Analyzed: 08/30/24

Gasoline Range Organics (C6-C10)	40.6	20.0	50.0		81.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.65		8.00		95.6	70-130			

Matrix Spike (2435085-MS2) Source: E408240-08 Prepared: 08/28/24 Analyzed: 08/30/24

Gasoline Range Organics (C6-C10)	38.3	20.0	50.0	ND	76.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.73		8.00		96.6	70-130			

Matrix Spike Dup (2435085-MSD2) Source: E408240-08 Prepared: 08/28/24 Analyzed: 08/30/24

Gasoline Range Organics (C6-C10)	39.9	20.0	50.0	ND	79.8	70-130	4.02	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.70		8.00		96.2	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Rebel 20 Federal 6Y	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	9/4/2024 9:43:07AM

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

Blank (2435086-BLK1)	Prepared: 08/28/24 Analyzed: 08/29/24								
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	42.0		50.0		84.1	50-200			

LCS (2435086-BS1)	Prepared: 08/28/24 Analyzed: 08/29/24								
Diesel Range Organics (C10-C28)	192	25.0	250		76.8	38-132			
Surrogate: n-Nonane	40.6		50.0		81.3	50-200			

Matrix Spike (2435086-MS1)				Source: E408240-02	Prepared: 08/28/24 Analyzed: 08/29/24				
Diesel Range Organics (C10-C28)	193	25.0	250	ND	77.2	38-132			
Surrogate: n-Nonane	42.0		50.0		84.0	50-200			

Matrix Spike Dup (2435086-MSD1)				Source: E408240-02	Prepared: 08/28/24 Analyzed: 08/29/24				
Diesel Range Organics (C10-C28)	190	25.0	250	ND	76.1	38-132	1.41	20	
Surrogate: n-Nonane	41.6		50.0		83.2	50-200			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Rebel 20 Federal 6Y	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	9/4/2024 9:43:07AM

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 (2435084-BLK1)					Prepared: 08/28/24 Analyzed: 08/29/24				
Chloride	ND	20.0							
LCS (2435084-BS1)					Prepared: 08/28/24 Analyzed: 08/29/24				
Chloride	256	20.0	250		103	90-110			
Matrix Spike (2435084-MS1)					Source: E408240-03		Prepared: 08/28/24 Analyzed: 08/29/24		
Chloride	259	20.0	250	ND	104	80-120			
Matrix Spike Dup (2435084-MSD1)					Source: E408240-03		Prepared: 08/28/24 Analyzed: 08/29/24		
Chloride	260	20.0	250	ND	104	80-120	0.309	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:	Rebel 20 Federal 6Y	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	09/04/24 09:43

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



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: Rebel 20 Federal 6Y				Address: 205 E Bender Road #150		E408240		01058-0007					X	X			
Project Manager: Ashley Giovengo				City, State, Zip: Hobbs NM, 88240													
Address: 3122 National Parks Hwy				Phone: (575)748-1838													
City, State, Zip: Carlsbad NM, 88220				Email: dale.woodall@dnv.com													
Phone: 575-988-0055				Miscellaneous: Dale Woodall													
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
0943	8/26/24	Soil	1	SW04 - 0-2'		1						X					
1115	8/26/24	Soil	1	SW08 - 0-5'		2						X					
1113	8/26/24	Soil	1	SW09 - 0-5'		3						X					
1416	8/26/24	Soil	1	SW11 - 0-2.5'		4						X					
1451	8/26/24	Soil	1	SW12 - 0-2.5'		5						X					
1413	8/26/24	Soil	1	FS29 - 2.5'		6						X					
1411	8/26/24	Soil	1	FS31 - 1.5'		7						X					
1409	8/26/24	Soil	1	FS32 - 1.5'		8						X					
1617	8/26/24	Soil	1	FS54 - 5'		9						X					
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, dale.woodall@dnv.com, chamilton@ensolum.com, iestrella@ensolum.com, bdeal@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: Chad Hamilton, Brandon Deal																	
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 Analytical Laboratory

Printed: 8/28/2024 9:28:22AM

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:	08/28/24 06:00	Work Order ID:	E408240
Phone:	(505) 382-1211	Date Logged In:	08/27/24 16:20	Logged In By:	Noe Soto
Email:	ashley.giovengo@wescominc.com	Due Date:	09/04/24 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? 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

Email Correspondence

From: [Velez, Nelson, EMNRD](#)
To: [Ashley Giovengo](#); [Enviro, OCD, EMNRD](#); [Woodall, Dale](#)
Cc: [Cole Burton](#); [Chad Hamilton](#); [Israel Estrella](#); [Brandon Deal](#)
Subject: Re: [EXTERNAL] Extension Request - Rebel 20 Federal 6Y - Incident Number nAPP2406964143
Date: Monday, June 3, 2024 11:37:57 AM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[Outlook-bxwnxjuy.png](#)

Some people who received this message don't often get email from nelson.velez@emnrd.nm.gov. [Learn why this is important](#)

[**EXTERNAL EMAIL**]

Good afternoon Ashley,

Your 90-day time extension request is approved. Remediation Due date has been updated to September 5, 2024.

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

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

Regards,

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



From: Ashley Giovengo <agiovengo@ensolum.com>
Sent: Thursday, May 30, 2024 9:51 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>; Woodall, Dale <Dale.Woodall@dvn.com>

Cc: Cole Burton <cburton@ensolum.com>; Chad Hamilton <chamilton@ensolum.com>; Israel Estrella <iestrella@ensolum.com>; Brandon Deal <bdeal@ensolum.com>

Subject: [EXTERNAL] Extension Request - Rebel 20 Federal 6Y - Incident Number nAPP2406964143

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

All,

Devon Energy Production Company, LP (Devon) is requesting an extension for the current deadline of June 07, 2024, for submitting a remediation work plan or closure report required in 19.15.29.12.B.(1) NMAC at the Rebel 20 Federal 6Y (Incident Number nAPP2406964143). The release occurred on March 09, 2024, and initial site assessment and delineation activities have been completed. Devon was able to secure permission from the Bureau of Land Management (BLM) on April 25, 2024, for the purpose of establishing depth to water (DTW) within a 0.5-mile radius of the Site, however Devon is currently waiting on approval from the New Mexico Office of the State Engineer (NMOSE) for the WR-07 permit (Application for Permit to Drill a Well). Once Devon receives the approved drilling permit, the DTW determination will be completed, and remediation/confirmation sampling of the impacted area will begin. Devon intends to submit a remediation work plan or closure report, following remediation efforts and confirmation sampling. Devon respectfully requests a 90-day extension until September 05, 2024.

Thanks,



Ashley Giovengo

Senior Scientist

575-988-0055

Ensolum, LLC

in f X

"Your authenticity is your superpower." – Unknown

From: [Velez, Nelson, EMNRD](#)
To: [Ashley Giovengo](#); [Enviro, OCD, EMNRD](#)
Cc: [Cole Burton](#); [Chad Hamilton](#); [Woodall, Dale](#)
Subject: Re: [EXTERNAL] Extension Request - Devon Energy Production Company - Rebel 20 Federal 6Y - Incident Number nAPP2406964143
Date: Thursday, September 5, 2024 2:34:57 PM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[Outlook-4v11jrfr.png](#)

[**EXTERNAL EMAIL**]

Good day Ashley,

Thank you for the correspondence. Your 60-day time extension request is approved. Remediation Due date has been updated to November 4, 2024.

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

Regards,

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



From: Ashley Giovengo <agiovengo@ensolum.com>
Sent: Thursday, September 5, 2024 1:59 PM
To: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>; Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Cole Burton <cburton@ensolum.com>; Chad Hamilton <chamilton@ensolum.com>; Woodall, Dale <Dale.Woodall@dvn.com>
Subject: [EXTERNAL] Extension Request - Devon Energy Production Company - Rebel 20 Federal 6Y - Incident Number nAPP2406964143

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

All,

Devon Energy Production Company, LP (Devon) is requesting a 2nd extension for the current deadline of September 05, 2024, for submitting a remediation work plan or closure report required in 19.15.29.12.B.(1) NMAC at the Rebel 20 Federal 6Y (Incident Number nAPP2406964143). The release occurred on March 09, 2024, and initial site assessment and delineation activities have been completed at the Site. Devon completed a depth to water (DTW) boring near the Site on June 26, 2024, in order to establish DTW within a half-mile radius of the Site. Excavation of the impacted area is currently ongoing, and Devon intends to submit a remediation work plan or closure report as required in 19.15.29.12.B.(1) NMAC following excavation and confirmation sampling activities. Devon respectfully requests a 60-day extension until November 04, 2024.

Thanks,



Ashley Giovengo

Senior Scientist

575-988-0055

Ensolum, LLC

in f X

“Your authenticity is your superpower.” – Unknown

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 394946

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 394946
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2406964143
Incident Name	NAPP2406964143 REBEL 20 FEDERAL 6Y @ 30-025-43449
Incident Type	Oil Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-025-43449] REBEL 20 FEDERAL #006Y

Location of Release Source	
Please answer all the questions in this group.	
Site Name	REBEL 20 FEDERAL 6Y
Date Release Discovered	03/09/2024
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 Flow Line - Production Crude Oil Released: 37 BBL Recovered: 20 BBL Lost: 17 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	No
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)	A steel underground flowline leaked up and onto the ground. The leak was isolated to stop it. 37 bbls released. 20 bbls recovered.

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 2

Action 394946

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 394946
	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	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. 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: 10/23/2024
--	---

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 3

Action 394946

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 394946
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS**Site Characterization**

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

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (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 ½ and 1 (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	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between ½ and 1 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Remediation Plan

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

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

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

Chloride (EPA 300.0 or SM4500 Cl B)	10800
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	23324
GRO+DRO (EPA SW-846 Method 8015M)	23324
BTEX (EPA SW-846 Method 8021B or 8260B)	77
Benzene (EPA SW-846 Method 8021B or 8260B)	17

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

On what estimated date will the remediation commence	08/08/2024
On what date will (or did) the final sampling or liner inspection occur	08/26/2024
On what date will (or was) the remediation complete(d)	08/26/2024
What is the estimated surface area (in square feet) that will be reclaimed	1427
What is the estimated volume (in cubic yards) that will be reclaimed	211
What is the estimated surface area (in square feet) that will be remediated	9771
What is the estimated volume (in cubic yards) that will be remediated	665

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

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

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 4

Action 394946

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 394946
	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	OWL LANDFILL JAL [JEG1635837366]
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@dv.com Date: 10/23/2024
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 5

Action 394946

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 394946
	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

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 6

Action 394946

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 394946
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	381581
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/12/2024
What was the (estimated) number of samples that were to be gathered	2
What was the sampling surface area in square feet	10133

Remediation Closure Request

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

Requesting a remediation closure approval with this submission	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	9771
What was the total volume (cubic yards) remediated	665
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	1427
What was the total volume (in cubic yards) reclaimed	211
Summarize any additional remediation activities not included by answers (above)	Dig and Haul Remediation

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 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: 10/23/2024
--	--

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 7

Action 394946

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 394946
	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

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 394946

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 394946
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
nvez	Remediation has met 19.15.29 NMAC requirements. Soil impacts exceeding the reclamation standards have been left in place and are required to meet 19.15.29.13D (1) NMAC once the site is no longer reasonably needed for production or subsequent drilling ops.	2/12/2025