



February 25, 2026

**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 Addendum  
Beetle Juice 19 Fed 3H Battery  
Incident Number nAPP2434152111  
Eddy County, New Mexico**

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of Devon Energy Production Company, LP (Devon), has prepared the following *Closure Request Addendum* to address concerns held by the New Mexico Oil Conservation Division (NMOCD) regarding the initial *Closure Request* submitted on October 29, 2025; this *Closure Request Addendum* includes the additional requested actions per the NMOCD. In the most recent denial response, NMOCD requested additional depth to water verification to confirm depth to water is greater than 50 feet below ground surface (bgs) and an additional vertical delineation sample in the northeast corner of the lined containment. Based on field observations and soil sample analytical results, soils remaining in place at the Site do not exceed the revised Site Closure Criteria, and the soils have been horizontally and vertically delineated to the strictest Closure Criteria. Devon is hereby providing the additional information and respectfully requests closure for Incident Number nAPP2434152111.

**SITE DESCRIPTION AND RELEASE SUMMARY**

The Site is located in Unit C, Section 19, Township 19 South, Range 31 East, in Eddy County, New Mexico (32.652505°, -103.91191°) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM).

On December 6, 2024, the transfer pump failed and allowed a produced water tank to overflow, resulting in the release of approximately 26 barrels (bbls) of produced water into the lined tank battery containment. A vacuum truck was immediately dispatched to the Site to recover free-standing fluids; 21 bbls of produced water were recovered from within the lined containment. Overspray and a small hole in the liner allowed the release to impact two small areas on the northeast and west sides of the tank containment. The areas measured approximately 674 square feet and 2,235 square feet in size, respectively. A 48-hour advance notice of liner inspection was provided via email to the NMOCD District II Office. A liner integrity inspection was conducted by Ensolum personnel following fluid recovery. Upon inspection, the liner was determined to be insufficient. Devon reported the release to the NMOCD via email on December 6, 2024, and submitted a Release Notification Form C-141 (Form C-141) on December 18, 2024. The release was assigned Incident Number nAPP2434152111.

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On December 9, 2025, NMOCD denied the *Closure Request* for Incident Number nAPP2434152111 for the following reasons:

- 1) *This site does not meet closure as delineation was not conducted within the tank battery that previously was proposed for deferral. Vertical delineation will need to be completed within the tank battery at the northeast corner where it was compromised even though the hole could not be found.*
- 2) *Depth to groundwater was not confirmed as CP-00873 is .20 miles away but drilled in 1998. If there are no wells within ½ mile of the site and/or the data from that well is more than 25 years old, a borehole can be drilled to 51' or 101'. If water is not detected in the open borehole after a 72-hour period, the OCD will accept this as a viable determination of depth to ground water. A copy of the driller's log is required. FS04, FS08 and SW06 are still in exceedance. Submit updated remediation closure or deferral request to OCD by 3/9/26.*

What follows is a summary of the requested information and a subsequent *Closure Request Addendum* for the Site.

## **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 are summarized below and detailed in the NMOCD permitting portal Form C-141 Site Characterization section. Potential Site receptors are identified on Figure 1.

The closest permitted groundwater well with depth to groundwater data is New Mexico Office of the State Engineer (NMOSE) well CP 00873, located approximately 1,046 feet west of the Site, the most recent data on this well is within 25 years of the release date. CP 00873 had a reported depth to groundwater 180 feet below ground surface (bgs) and a total depth of 340 feet bgs. The NMOSE online database has wells CP 01943 POD1 and CP 01907 listed on the website and both were reported as being dry, with a reported total depth of 55 feet bgs. These wells are both within a 2-mile radius of the Site and it can be reasonably estimated that regional depth to water is greater than 55 feet bgs, and the depth to groundwater in the vicinity of the Site to be greater than 100 feet bgs. 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 an intermittent dry wash, located approximately 305 feet east of the Site. The Site is potentially 120 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. While the Site has been designated as potentially unstable geology through the high potential karst designation area identified by the BLM. Site receptors are identified on Figure 1.

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

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- Total petroleum hydrocarbons (TPH): 100 mg/kg

- Chloride: 600 mg/kg

Following a review of the potential sensitive receptors associated with the Site based on the desktop review, additional Site investigation activities appeared warranted to confirm the presence or absence of nearby sensitive receptors.

## KARST SURVEY RESULTS

Advanced Geophysics, a BLM approved third-party cave and karst contractor, conducted a desktop survey, aerial survey, and geophysical survey of the Site. In summary, the desktop and surface karst survey identified two potential surface karst features through lower relief modeling (LRM); however, both of these features were more than 200 feet away from the release extent. The first feature, PKF-001, is located southwest of the well pad and the second feature, PKF-02, is located east of the well pad. Field verification of the anomalies indicated the imagery was indicative of shadows or dense vegetation and not as karst features. Results of the geophysical study indicated a well-layered geologic system and no anomalies, consistent with air-filled subsurface voids, were found within the survey area, indicating stable ground. While surficial karst features were potentially identified, they were identified well away from the well pad and specifically, the release area, and based on the geophysical survey, the features do not appear to represent subsurface karst conditions beneath the Site and as stated by Advanced Geophysics, the "anomalies were attributable to low-lying topography and dense vegetation, rather than true karst features. Since the geophysical survey identified stable ground beneath the Site and the absence of karst features, immediate risk to groundwater does not appear to be present at the Site and therefore unstable geology does not appear to be a sensitive receptor as it relates to the Site.

The detailed report provided by Advanced Geophysics is included in Appendix B.

## WATER COURSE AND WETLAND DESIGNATION

A desktop review of sensitive receptors was performed by Ensolum, which indicated a water course, identified by a dashed blue line on a United States Geological Survey (USGS) 7.5-minute quadrangle map as well as a wetland, were within 300 feet of the Site to the east. In addition, the surface directly adjacent to the unnamed freshwater pond was designated as a seasonally flooded Palustrine with an unconsolidated shore (PUSC<sub>x</sub>) by the United States Fish & Wildlife Service National Wetlands Inventory. Based on field observations made by Ensolum, and the characteristics of this feature to the east, additional investigation by a Professional Wetland Scientist (PWS) appeared to be warranted to confirm if the nearby feature was in fact a wetland and/or watercourse in order to reassess the Site-specific Closure Criteria.

On September 19, 2025, a certified PWS from On Pointe Consulting (On Pointe) visited the Site to assess the presence or absence of a wetland and/or significant watercourse features, and map their extent, if present, at the feature in question. No wetlands were identified within the investigation area. No evidence of water flow or duration of saturation/inundation was observed.

Based on the findings of the potential watercourse review, ephemeral streams are not considered jurisdictional, and due to the discontinuous nature of the bed and bank of the ephemeral stream in proximity to the Site, this specific feature does not meet the designated requirements of a significant watercourse as defined by 19.15.17.(P) NMAC. In addition, the section of this feature with bed and bank characteristics is greater than 300 feet from any remaining subsurface impacts at the Site. No wetland was identified as part of this investigation. On Pointe recorded findings of the wetland

investigation in a United States Army Corps of Engineers (USACE) Wetland Determination Data Sheet. On Pointe's findings and report are included as Appendix C.

## REVISED SITE CLOSURE CRITERIA

A new groundwater determination well was drilled on January 28, 2026, to a total depth of 55 feet bgs to assess the depth to groundwater. The permitted groundwater well is a New Mexico Office of the State Engineer (NMOSE) well C-2101 POD1, located on Site and approximately 230 feet west of the release area. No moisture or groundwater was encountered during drilling activities, and the well was left open for over 72 hours to allow for potential slow infill of groundwater. After the 72-hour waiting period without observing groundwater, it was confirmed groundwater beneath the Site is greater than 55 feet bgs. The well was subsequently properly plugged and abandoned. The referenced well record is included in Appendix A.

Based on the findings of the watercourse and wetland determinations and karst survey, and lack of other sensitive Site receptors, with depth to groundwater within 0.5 miles determined to be greater than 55 feet bgs, the following NMOCD Closure Criteria applies at the Site:

- Benzene: 10 mg/kg
- BTEX: 50 mg/kg
- TPH-Gasoline range organics (GRO) and TPH-diesel range organics (DRO): 1,000 mg/kg
- TPH: 2,500 mg/kg
- Chloride: 10,000 mg/kg

## SITE ASSESSMENT ACTIVITIES

On December 11, 2024, Ensolum personnel visited the Site to evaluate the release extent based on information provided on the Form C-141 and visual observations. The release extent was mapped utilizing a handheld Global Positioning System (GPS) unit and is depicted on Figure 2. Photographic documentation was completed during the Site visit, and a photographic log is included as Appendix D.

## DELINEATION AND LINER INTEGRITY INSPECTION

On December 11 and 17, 2024, Ensolum personnel were onsite to conduct lateral and vertical delineation sampling activities. Eight delineation soil samples (SS01 through SS08) were collected from around the release extent at ground surface to assess the lateral extent of the release. Five boreholes (BH01 through BH05) were advanced via hand auger within the release extent to assess the vertical extent of release. Boreholes BH01, BH02, BH03 and BH05 were advanced to a depth of 1-foot bgs, borehole BH04 was advanced to a depth of 0.5 feet bgs. On February 20, 2025, two additional delineation boreholes (BH06 and BH07) were advanced to a total depth of 10 feet and 2 feet bgs, respectively.

On December 20, 2024, Ensolum personnel competent in conducting liner inspections arrived onsite to visually inspect the integrity of the containment liner. Prior to conducting the inspection, NMOCD was provided with a 48-hour liner inspection notification via web portal on December 17, 2024. The liner was found to be insufficient during the inspection. A hole in the wall was located on the west side of the containment. Additionally, an unseen hole located on the northeast corner wall allowed the fluid to be released to the off-pad area. Photographs taken during the liner inspection are included in Appendix D.

On December 16, 2025, one additional delineation borehole (BH08) was advanced to a total depth of 8 feet bgs under the northeast corner of the secondary lined containment. Discrete delineation soil samples were collected from each borehole and field screened for chloride utilizing Hach® chloride QuanTab® test strips. Field screening results and observations for the boreholes were logged on lithologic/soil sampling logs, which are included in Appendix E. The delineation soil sample locations are depicted on Figure 2.

Lateral delineation soil samples SS01 through SS08 and discrete delineation soil samples from boreholes BH01 through BH07 were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice and transported under strict chain-of-custody procedures to Envirotech Analysis Laboratory (Envirotech) in Farmington, New Mexico, for analysis of the following chemicals of concern (COCs): BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH- GRO, TPH- DRO, and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method 300.0.

## EXCAVATION AND CONFIRMATION SOIL SAMPLING ACTIVITIES

Beginning on February 14, 2025, Ensolum personnel oversaw the excavation of impacted soil from the release areas on the northeast and west sides of the tank battery containment. Excavation activities were performed utilizing a backhoe to depths ranging from the ground surface to 2 feet bgs. To direct excavation activities, soil was field screened for chloride as previously described above. Photographic documentation is included in Appendix D.

Following removal of impacted soil, 5-point composite soil samples were collected every 200 square feet from the floor of the excavation. The 5-point composite soil samples were collected by placing five equivalent aliquots of soil into a resealable plastic bag and homogenizing the samples by thoroughly mixing. Composite soil samples (FS01 through FS21) were collected from the floors of the excavations and sidewall soil samples (SW01 through SW06) were collected from the outside walls of the excavation and against the lined tank containment at depths ranging from the ground surface to 3 feet bgs. The soil samples were handled and analyzed as previously described. The excavation extents and excavation soil sample locations were mapped utilizing a handheld GPS unit and are depicted on Figure 3.

A total of approximately 296 cubic yards of soil were removed during excavation activities. The impacted soil was transported and properly disposed of at the Lea Land Disposal Facility in Hobbs, New Mexico. Subsequent to receipt of confirmation laboratory analytical results, the excavation was backfilled with clean fill material and recontoured to match pre-existing conditions. The off-pad area was reseeded with BLM Seed Mix #1.

## LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for lateral delineation soil samples for soils remaining in place at the Site (SS01 through SS05, SS06A, SS07, and SS08) collected at ground surface indicated all COC concentrations were compliant with the strictest Closure Criteria.

Laboratory analytical results for the vertical delineation soil samples collected for soils remaining in place at the Site from boreholes BH01 through BH08 indicated concentrations of TPH and chloride concentrations were compliant with strictest Closure Criteria at depths ranging from 0.5 feet bgs to

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10 feet bgs. Laboratory analytical results are summarized in Table 1, and the complete laboratory analytical reports are included as Appendix F.

Laboratory analytical results for the excavation floor soil samples FS01 through FS21, collected at depths ranging from 0.5 feet bgs to 3 feet bgs, and excavation sidewall soil samples SW01 through SW06, collected from ground surface to 3 feet bgs, indicated all COC concentrations were compliant with the Site Closure Criteria. Laboratory analytical results are summarized in Table 2 and Table 3, and the complete laboratory analytical reports are included as Appendix F.

## **CLOSURE REQUEST**

Site assessment and excavation activities were conducted at the Site to address the December 2024 release of produced water. Laboratory analytical results for the excavation floor soil samples (FS01 through FS21) and sidewall soil samples (SW01 through SW06) indicated all COC concentrations were in compliance with Site Closure Criteria. Laboratory analytical results for the horizontal and vertical delineation soil samples (SS01 through SS08, and BH01 through BH08) indicated all COC concentrations were in compliance with the reclamation requirement in the top 4 feet of soil, where applicable. Based on the soil sample analytical results, no further remediation was required.

Excavation of impacted and waste-containing soil has mitigated adverse conditions at this Site. Depth to groundwater has been estimated to be greater than 55 feet bgs and no other sensitive receptors were identified near the release extent. Devon believes these remedial actions are protective of human health, the environment, and groundwater. As such, Devon respectfully requests closure for Incident Number nAPP2434152111.

If you have any questions or comments, please contact Mrs. Ashley Urzedo at (575) 988-0055 or [agiovengo@ensolum.com](mailto:agiovengo@ensolum.com).

Sincerely,  
**Ensolum, LLC**

Cole Burton  
Project Manager

Daniel R. Moir, PG (licensed in WY & TX)  
Associate Principal, Geologist

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**Appendices:**

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



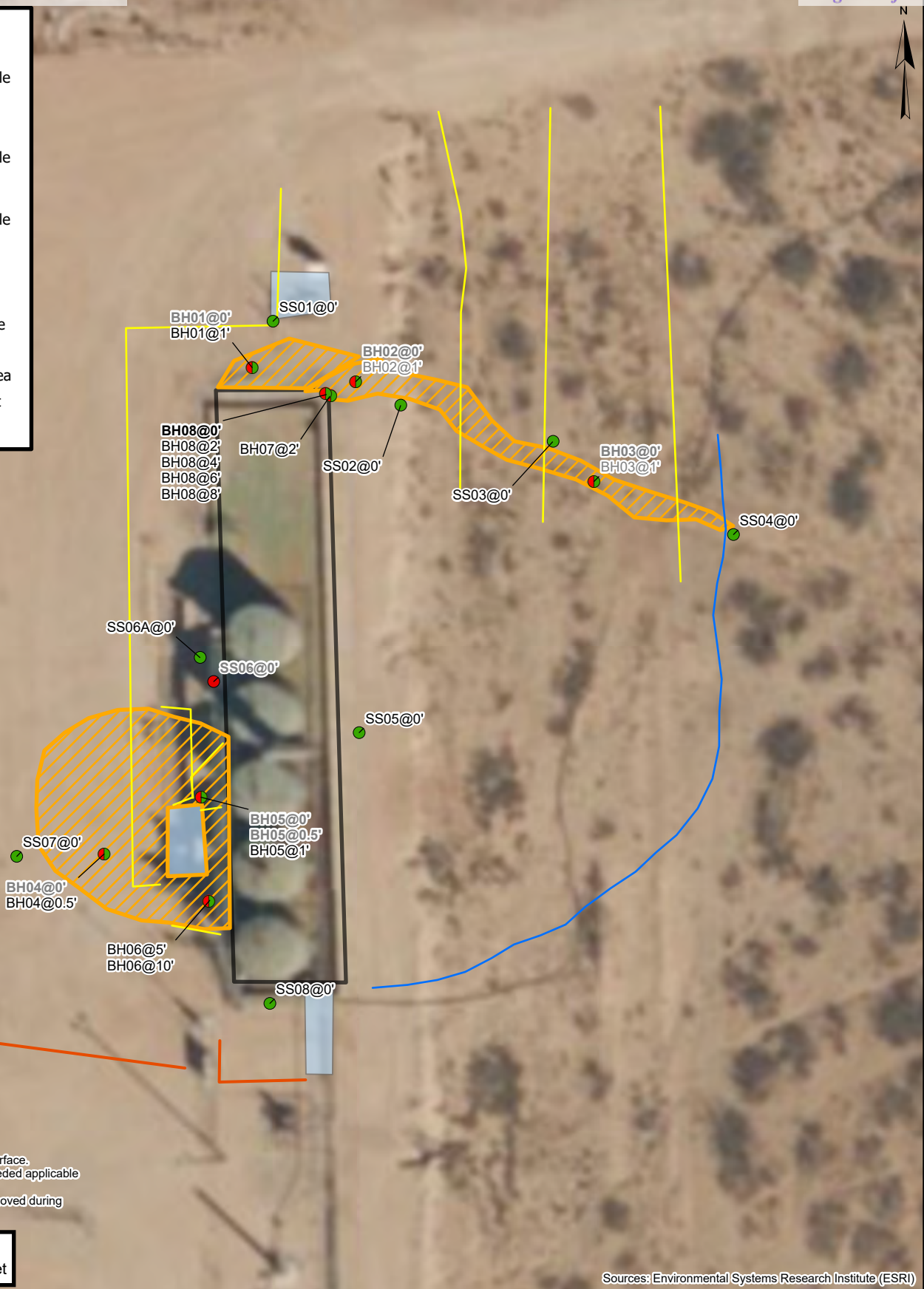
FIGURES

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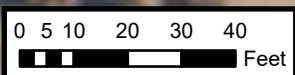


### Legend

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



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



Sources: Environmental Systems Research Institute (ESRI)

## Delineation Soil Sample Locations

Devon Energy Production Company, LP  
 Beetle Juice 19 Fed 3H Battery  
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 Unit C, Section 19, T 19S, R 31E  
 Eddy County, New Mexico

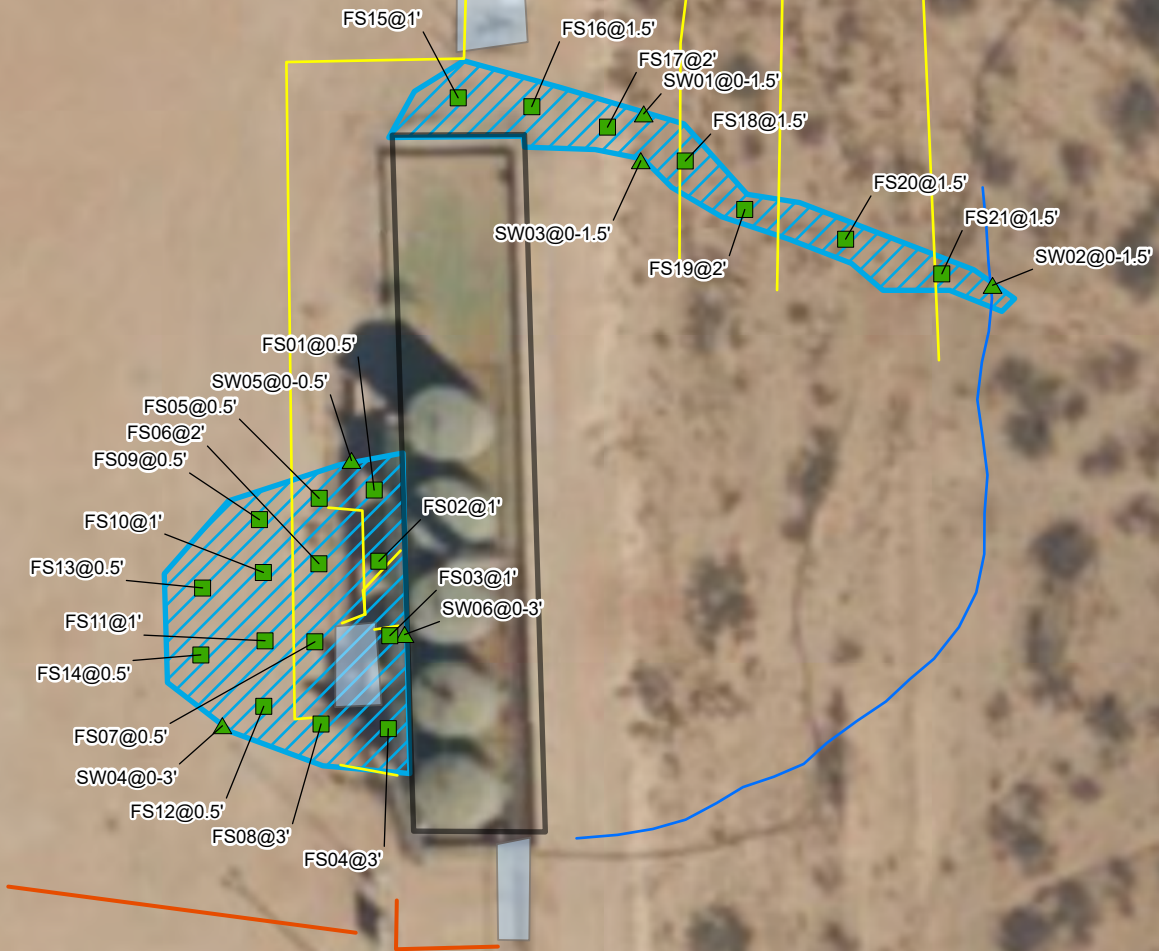
### FIGURE

# 2

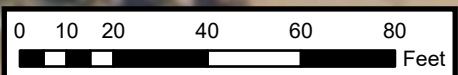


### Legend

- Excavation Floor Sample in Compliance with Closure Criteria
- ▲ Excavation Sidewall Sample in Compliance with Closure Criteria
- Electric Utility Line
- Oil and Gas Utility Line
- Water Utility Line
- Liner Containment Area
- Production Equipment
- Excavation Extent



Notes:  
 Sample ID @ Depth Below Ground Surface.  
 Samples in bold indicate sample exceeded applicable closure criteria.



Sources: Environmental Systems Research Institute (ESRI)



## Confirmation Soil Sample Locations

Devon Energy Production Company, LP  
 Beetle Juice 19 Fed 3H Battery  
 Incident Number: nAPP2434152111  
 Unit C, Section 19, T 19S, R 31E  
 Eddy County, New Mexico

**FIGURE**  
**3**



TABLES

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**TABLE 1**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
 Beetle Juice 19 Fed 3H Battery  
 Devon Energy Production Company, LP  
 Eddy 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)
<b>NMOC D Reclamation Requirement (NMAC 19.15.29.13.D)</b>			<b>10</b>	<b>50</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>100</b>	<b>600</b>
<b>NMOC D Table I Closure Criteria (NMAC 19.15.29)</b>			<b>10</b>	<b>50</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>1,000</b>	<b>2,500</b>	<b>10,000</b>
<b>Delineation Soil Samples</b>										
SS01	12/11/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	22.7
SS02	12/11/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	311
SS03	12/11/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS04	12/11/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS05	12/11/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	86.6
SS06	12/11/2024	0	<0.0250	<0.0500	<20.0	224	290	224	514	22.1
SS06A	12/20/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS07	12/11/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	43.7
SS08	12/11/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	499
BH01	12/17/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	6,010
BH01	12/17/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	25.4
BH02	12/17/2024	0	<0.0250	<0.0500	<20.0	109	73.7	109	182.7	14,100
BH02	12/17/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	174
BH03	12/17/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	7,850
BH03	12/17/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	112
BH04	12/17/2024	0	<0.0250	<0.0500	<20.0	151	96.8	151	247.8	438
BH04	12/17/2024	0.5	<0.0250	<0.0500	<20.0	28	<50.0	28	28	369
BH05	12/17/2024	0	<0.0250	2.305	32.1	2,550	1,390	2,582	3,972	927
BH05	12/17/2024	0.5	<0.0250	<0.0500	<20.0	59.8	101.0	59.8	160.8	335
BH05	12/17/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	204
BH06	2/20/2025	5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,980
BH06	2/20/2025	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	314
BH07	2/20/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	38.7

<b>TABLE 1</b> <b>SOIL SAMPLE ANALYTICAL RESULTS</b> Beetle Juice 19 Fed 3H Battery Devon Energy Production Company, LP Eddy 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 Reclamation Requirement (NMAC 19.15.29.13.D)			10	50	NE	NE	NE	NE	100	600
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	10,000
Delineation Soil Samples										
BH08	12/16/2025	0	<0.0250	2.741	80	864	259	944	1,203	23.2
BH08	12/16/2025	2	<0.0250	0.0860	<20.0	<25.0	<50.0	<25.0	<50.0	98.8
BH08	12/16/2025	4	<0.0250	0.0744	<20.0	135	<50.0	135	135	491
BH08	12/16/2025	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,250
BH08	12/16/2025	8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	383

**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

Red text represents samples that exceed Closure Criteria

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

Concentrations in **bold** exceed the NMOCD Closure Criteria 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**  
 Beetle Juice 19 Fed 3H Battery  
 Devon Energy Production Company, LP  
 Eddy 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)
<b>NMOCD Reclamation Requirement (NMAC 19.15.29.13.D)</b>			<b>10</b>	<b>50</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>100</b>	<b>600</b>
<b>NMOCD Table I Closure Criteria (NMAC 19.15.29)</b>			<b>10</b>	<b>50</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>1,000</b>	<b>2,500</b>	<b>10,000</b>
<b>Confirmation Soil Samples</b>										
FS01	2/18/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	115
FS02	2/18/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	317
FS03	2/18/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	328
FS04	2/20/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>1,370</b>
FS05	2/18/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	142
FS06	2/20/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	530
FS07	2/19/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	283
FS08	2/20/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	650
FS09	2/19/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	447
FS10	2/19/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	280
FS11	2/19/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	394
FS12	2/19/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	327
FS13	2/19/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	238
FS14	2/19/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	266
FS15	2/18/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	127
FS16	2/18/2025	1.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	175
FS17	2/19/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	226
FS18	2/18/2025	1.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	124
FS19	2/19/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	438
FS20	2/18/2025	1.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	261
FS21	2/18/2025	1.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	92.6

**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

Red text represents samples that exceed Closure Criteria

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

Concentrations in **bold** exceed the NMOCD Closure Criteria 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

<b>TABLE 3</b> <b>SOIL SAMPLE ANALYTICAL RESULTS</b> Beetle Juice 19 Fed 3H Battery Devon Energy Production Company, LP Eddy 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)
<b>NMOCD Reclamation Requirement (NMAC 19.15.29.13.D)</b>			<b>10</b>	<b>50</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>100</b>	<b>600</b>
<b>NMOCD Table I Closure Criteria (NMAC 19.15.29)</b>			<b>10</b>	<b>50</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>1,000</b>	<b>2,500</b>	<b>10,000</b>
<b>Sidewall Soil Samples</b>										
SW01	2/20/2025	0-1.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	96.1
SW02	2/20/2025	0-1.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	69.4
SW03	2/20/2025	0-1.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	94.6
SW04	2/20/2025	0-3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	289
SW05	2/20/2025	0-0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	151
SW06	2/20/2025	0-3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<b>1,580</b>

**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

Red text represents samples that exceed Closure Criteria

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

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

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

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes



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## APPENDIX A

### Well Record and Log

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# WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

[www.ose.state.nm.us](http://www.ose.state.nm.us)

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) CP 2102		WELL TAG ID NO.		OSE FILE NO(S). POD 1		
	WELL OWNER NAME(S) Devon Energy Production Company, LP				PHONE (OPTIONAL) 575-689-7597		
	WELL OWNER MAILING ADDRESS 5315 Buena Vista Dr.				CITY Carlsbad	STATE NM	ZIP 88220
	WELL LOCATION (FROM GPS)	DEGREES 32	MINUTES 39	SECONDS 10.09	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND	
		LONGITUDE 103	54	44.48	W	* DATUM REQUIRED: WGS 84	
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE U-C, Sec 19, T19S, R31E							

2. DRILLING & CASING INFORMATION	LICENSE NO. 1755	NAME OF LICENSED DRILLER John Norris			NAME OF WELL DRILLING COMPANY Hungry Horse, LLC			
	DRILLING STARTED 1/28/2026	DRILLING ENDED 1/28/2026	DEPTH OF COMPLETED WELL (FT) NA	BORE HOLE DEPTH (FT) 55	DEPTH WATER FIRST ENCOUNTERED (FT) NA			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN *add Centralizer info below <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) NA	DATE STATIC MEASURED NA		
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES – SPECIFY:							
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER – SPECIFY:					CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>		
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	55	4	pvc	coupling	3	1/4	2

3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL <i>*(if using Centralizers for Artesian wells- indicate the spacing below)</i>	AMOUNT (cubic feet)	METHOD OF PLACEMENT
	FROM	TO				
	0	10	4	bentonite pellets	6.51	tremie
	10	55	4	native soil		shovel

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 09/22/2022)			
FILE NO.	POD NO.	TRN NO.			
LOCATION	WELL TAG ID NO.	PAGE 1 OF 2			

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES <b>(attach supplemental sheets to fully describe all units)</b>	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	FROM	TO				
	0	55	55	sand	Y <input checked="" type="checkbox"/> N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
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					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: NA					TOTAL ESTIMATED WELL YIELD (gpm): <b>NA</b>	

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: Drilled and plugged according to approved drilling and plugging permit	
PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Dean Parent		

6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:  <div style="text-align: center;">                     _____                      John Norris                 </div>	_____ 2/5/26
	SIGNATURE OF DRILLER / PRINT SIGNEE NAME	DATE

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 09/22/2022)	
FILE NO.	POD NO.	TRN NO.	
LOCATION		WELL TAG ID NO.	PAGE 2 OF 2



# WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

[www.ose.state.nm.us](http://www.ose.state.nm.us)

<b>1. GENERAL AND WELL LOCATION</b>	OSE POD NO. (WELL NO.) <b>POD 1 (TW-1)</b>		WELL TAG ID NO. <b>N/A</b>		OSE FILE NO(S). <b>CP-1907</b>			
	WELL OWNER NAME(S) <b>Devon Energy</b>				PHONE (OPTIONAL) <b>575-748-1838</b>			
	WELL OWNER MAILING ADDRESS <b>6488 7 Rivers Hwy</b>				CITY <b>Artesia</b>	STATE <b>NM</b>	ZIP <b>88210</b>	
	WELL LOCATION (FROM GPS)	DEGREES <b>32</b>	MINUTES <b>39</b>	SECONDS <b>55.76</b>	<b>N</b>	* ACCURACY REQUIRED: ONE TENTH OF A SECOND		
	LONGITUDE <b>103</b>	<b>54</b>	<b>4.95</b>	<b>W</b>	* DATUM REQUIRED: WGS 84			
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE <b>SE NE NE Sec.18 T19S R31S NMPM</b>								
<b>2. DRILLING &amp; CASING INFORMATION</b>	LICENSE NO. <b>1249</b>	NAME OF LICENSED DRILLER <b>Jackie D. Atkins</b>			NAME OF WELL DRILLING COMPANY <b>Atkins Engineering Associates, Inc.</b>			
	DRILLING STARTED <b>7/13/2022</b>	DRILLING ENDED <b>7/13/2022</b>	DEPTH OF COMPLETED WELL (FT) <b>Temporary Well</b>	BORE HOLE DEPTH (FT) <b>±55</b>	DEPTH WATER FIRST ENCOUNTERED (FT) <b>N/A</b>			
	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) <b>N/A</b>	DATE STATIC MEASURED <b>7/13/2022, 7/1/2022</b>		
	DRILLING FLUID: <input type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input checked="" type="checkbox"/> OTHER - SPECIFY: <b>Hollow Stem Auger</b>					CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>		
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	<b>0</b>	<b>55</b>	<b>±6.5</b>	<b>Boring-HSA</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>
<b>3. ANNULAR MATERIAL</b>	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						

FOR OSE INTERNAL USE				WR-20 WELL RECORD & LOG (Version 01/28/2022)			
FILE NO.	<b>CP-1907-POD1 TW-1</b>	POD NO.	<b>1</b>	TRN NO.	<b>726167</b>		
LOCATION	<b>19.31.18.422</b>	WELL TAG ID NO.	<b>---</b>	PAGE 1 OF 2			



File No. CP-01943 P061

**NEW MEXICO OFFICE OF THE STATE ENGINEER**



**WR-07 APPLICATION FOR PERMIT TO DRILL**

**A WELL WITH NO WATER RIGHT**

(check applicable box):

For fees, see State Engineer website: <http://www.ose.state.nm.us/>

Purpose: <input type="checkbox"/> Exploratory Well*(Pump test) <input type="checkbox"/> Monitoring Well	<input type="checkbox"/> Pollution Control And/Or Recovery <input type="checkbox"/> Construction Site/Public Works Dewatering <input type="checkbox"/> Mine Dewatering	<input type="checkbox"/> Ground Source Heat Pump <input checked="" type="checkbox"/> Other(Describe): Groundwater Determination
A separate permit will be required to apply water to beneficial use regardless if use is consumptive or nonconsumptive. *New Mexico Environment Department-Drinking Water Bureau (NMED-DWB) will be notified if a proposed exploratory well is used for public water supply.		
<input type="checkbox"/> Temporary Request - Requested Start Date:		Requested End Date:
Plugging Plan of Operations Submitted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		

**1. APPLICANT(S)**

Name: Devon Energy	Name:
Contact or Agent: <input type="checkbox"/> check here if Agent Dale Woodall	Contact or Agent: <input type="checkbox"/> check here if Agent
Mailing Address: 6488 7 Rivers Hwy	Mailing Address:
City: Artesia	City:
State: NM      Zip Code: 88210	State:      Zip Code:
Phone: 575-748-1838 <input type="checkbox"/> Home <input checked="" type="checkbox"/> Cell Phone (Work):	Phone: <input type="checkbox"/> Home <input type="checkbox"/> Cell Phone (Work):
E-mail (optional): Dale.Woodall@dmv.com	E-mail (optional):

OSE DTI SEP 28 2022 PM 2:26  
 OSE DTI JAN 11 2023 AM 11:36

FOR OSE INTERNAL USE

Application for Permit, Form WR-07, Rev 07/12/22

File No.: <u>CP-01943</u>	Trm. No.: <u>740354</u>	Receipt No.: <u>245092</u>
Trans Description (optional):		
Sub-Basin: <u>CP</u>	PCW/LOG Due Date: <u>1/12/24</u>	

**2. WELL(S)** Describe the well(s) applicable to this application.

**Location Required: Coordinate location must be reported in NM State Plane (NAD 83), UTM (NAD 83), or Latitude/Longitude (Lat/Long - WGS84). District II (Roswell) and District VII (Cimarron) customers, provide a PLSS location in addition to above.**

NM State Plane (NAD83) (Feet)
  UTM (NAD83) (Meters)
  Lat/Long (WGS84) (to the nearest 1/10<sup>th</sup> of second)

NM West Zone
  Zone 12N

NM East Zone
  Zone 13N

NM Central Zone

Well Number (if known):	X or Easting or Longitude:	Y or Northing or Latitude:	Provide if known: -Public Land Survey System (PLSS) (Quarters or Halves , Section, Township, Range) OR - Hydrographic Survey Map & Tract; OR - Lot, Block & Subdivision; OR - Land Grant Name
CP-01943 POD1(TW-1)	103°53'58"	32°38'55.52"	NW SW NW Sec.20 T19S R31S NMPM

**NOTE: If more well locations need to be described, complete form WR-08 (Attachment 1 – POD Descriptions)**  
 Additional well descriptions are attached:  Yes  No If yes, how many \_\_\_\_\_

Other description relating well to common landmarks, streets, or other:  
 5-Rigel 20 Fed Com 2H

Well is on land owned by: Bureau of Land Management

**Well Information: NOTE: If more than one (1) well needs to be described, provide attachment. Attached?**  Yes  No  
 If yes, how many \_\_\_\_\_

Approximate depth of well (feet): 55	Outside diameter of well casing (inches): 6.5" boring
Driller Name: Jackie D. Atkins	Driller License Number: 1249

**3. ADDITIONAL STATEMENTS OR EXPLANATIONS**

A Soil Boring to determine depth up to 55 feet. Temporary PVC well material will be placed to total depth and secured at surface. Temporary well will be in place for minimum of 72 hours. If ground water is encountered the boring will be plugged immediately using augers as tremie to land a slurry of Portland TYPE I/II Neat cement less than 6.0 gallons of water per 94 lb. sack. If no water is encountered then drill cuttings will be used to (10) ten feet of land surface and plugged using hydrated bentonite.

OSE DIT SEP 28 2022 PM 2:26  
 OSE DIT JAN 11 2023 AM 11:37

FOR OSE INTERNAL USE

Application for Permit, Form WR-07 Version 07/12/22

File No.: CP-01943	Trn No.: 740394
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**4. SPECIFIC REQUIREMENTS:** The applicant must include the following, as applicable to each well type. Please check the appropriate boxes, to indicate the information has been included and/or attached to this application:

<p><b>Exploratory:</b> Is proposed well a future public water supply well? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> NO If Yes, an application must be filed with NMED-DWB, concurrently. <input type="checkbox"/> Include a description of the requested pump test if applicable.</p>	<p><b>Pollution Control and/or Recovery:</b> <input type="checkbox"/> Include a plan for pollution control/recovery, that includes the following: <input type="checkbox"/> A description of the need for the pollution control or recovery operation. <input type="checkbox"/> The estimated maximum period of time for completion of the operation. <input type="checkbox"/> The annual diversion amount. <input type="checkbox"/> The annual consumptive use amount. <input type="checkbox"/> The maximum amount of water to be diverted and injected for the duration of the operation. <input type="checkbox"/> The method and place of discharge. <input type="checkbox"/> The method of measurement of water produced and discharged. <input type="checkbox"/> The source of water to be injected. <input type="checkbox"/> The method of measurement of water injected. <input type="checkbox"/> The characteristics of the aquifer. <input type="checkbox"/> The method of determining the resulting annual consumptive use of water and depletion from any related stream system. <input type="checkbox"/> Proof of any permit required from the New Mexico Environment Department. <input type="checkbox"/> An access agreement if the applicant is not the owner of the land on which the pollution plume control or recovery well is to be located.</p>	<p><b>Construction De-Watering:</b> <input type="checkbox"/> Include a description of the proposed dewatering operation, <input type="checkbox"/> The estimated duration of the operation, <input type="checkbox"/> The maximum amount of water to be diverted, <input type="checkbox"/> A description of the need for the dewatering operation, and, <input type="checkbox"/> A description of how the diverted water will be disposed of.</p> <p><b>Ground Source Heat Pump:</b> <input type="checkbox"/> Include a description of the geothermal heat exchange project, <input type="checkbox"/> The number of boreholes for the completed project and required depths. <input type="checkbox"/> The time frame for constructing the geothermal heat exchange project, and, <input type="checkbox"/> The duration of the project. <input type="checkbox"/> Preliminary surveys, design data, and additional information shall be included to provide all essential facts relating to the request.</p>	<p><b>Mine De-Watering:</b> <input type="checkbox"/> Include a plan for pollution control/recovery, that includes the following: <input type="checkbox"/> A description of the need for mine dewatering. <input type="checkbox"/> The estimated maximum period of time for completion of the operation. <input type="checkbox"/> The source(s) of the water to be diverted. <input type="checkbox"/> The hydrologic characteristics of the aquifer(s). <input type="checkbox"/> The maximum amount of water to be diverted per annum. <input type="checkbox"/> The maximum amount of water to be diverted for the duration of the operation. <input type="checkbox"/> The quality of the water. <input type="checkbox"/> The method of measurement of water diverted. <input type="checkbox"/> The recharge of water to the aquifer. <input type="checkbox"/> Description of the estimated area of hydrologic effect of the project. <input type="checkbox"/> The method and place of discharge. <input type="checkbox"/> An estimation of the effects on surface water rights and underground water rights from the mine dewatering project. <input type="checkbox"/> A description of the methods employed to estimate effects on surface water rights and underground water rights. <input type="checkbox"/> Information on existing wells, rivers, springs, and wetlands within the area of hydrologic effect.</p>
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**ACKNOWLEDGEMENT**

I, We (name of applicant(s)), Dale Woodall (Devon Energy)  
Print Name(s)

affirm that the foregoing statements are true to the best of (my, our) knowledge and belief.

Dale Woodall  
Dale Woodall (Sep 27, 2022 15:13 MDT)  
Applicant Signature

Applicant Signature OSE DTJ JAN 11 2023 AM 11:37

**ACTION OF THE STATE ENGINEER**

This application is:

approved  partially approved  denied

provided it is not exercised to the detriment of any others having existing rights, and is not contrary to the conservation of water in New Mexico nor detrimental to the public welfare and further subject to the attached conditions of approval.

Witness my hand and seal this 12<sup>th</sup> day of January 20 23, for the State Engineer,

Mike A. Hammen, P.E. State Engineer

OSE DTJ SEP 28 2022 PM 2:26

By: K. Parekh  
Signature

Kashyap Parekh  
Print

Title: Water Resource Manager I  
Print



FOR OSE INTERNAL USE

Application for Permit, Form WR-07 Version 07/12/22

File No.: CP-01943

Trn No.: 740394

**NEW MEXICO STATE ENGINEER OFFICE  
PERMIT TO EXPLORE**

**SPECIFIC CONDITIONS OF APPROVAL**

- 17-16 Construction of a water well by anyone without a valid New Mexico Well Driller License is illegal, and the landowner shall bear the cost of plugging the well by a licensed New Mexico well driller. This does not apply to driven wells, the casing of which does not exceed two and three-eighths inches outside diameter.
- 17-1A Depth of the well shall not exceed the thickness of the valley fill.
- 17-4 No water shall be appropriated and beneficially used under this permit.
- 17-6 The well authorized by this permit shall be plugged completely using the following method per Rules and Regulations Governing Well Driller Licensing, Construction, Repair and Plugging of Wells; Subsection C of 19.27.4.30 NMAC unless an alternative plugging method is proposed by the well owner and approved by the State Engineer upon completion of the permitted use. All pumping appurtenance shall be removed from the well prior to plugging. To plug a well, the entire well shall be filled from the bottom upwards to ground surface using a tremie pipe. The bottom of the tremie shall remain submerged in the sealant throughout the entire sealing process; other placement methods may be acceptable and approved by the state engineer. The well shall be plugged with an office of the state engineer approved sealant for use in the plugging of non-artesian wells. The well driller shall cut the casing off at least four (4) feet below ground surface and fill the open hole with at least two vertical feet of approved sealant. The driller must fill or cover any open annulus with sealant. Once the sealant has cured, the well driller or well owner may cover the seal with soil. A Plugging Report for said well shall be filed with the Office of the State Engineer in a District Office within 30 days of completion of the plugging.

Trn Desc: CP 01943 POD1

File Number: CP 01943

Trn Number: 740394

**NEW MEXICO STATE ENGINEER OFFICE  
PERMIT TO EXPLORE**

**SPECIFIC CONDITIONS OF APPROVAL (Continued)**

- 17-7 The Permittee shall utilize the highest and best technology available to ensure conservation of water to the maximum extent practical.
- 17-B The well shall be drilled by a driller licensed in the State of New Mexico in accordance with 72-12-12 NMSA 1978. A licensed driller shall not be required for the construction of a well driven without the use of a drill rig, provided that the casing shall not exceed two and three-eighths (2 3/8) inches outside diameter.
- 17-C The well driller must file the well record with the State Engineer and the applicant within 30 days after the well is drilled or driven. It is the well owner's responsibility to ensure that the well driller files the well record.  
The well driller may obtain the well record form from any District Office or the Office of the State Engineer website.
- 17-C2 No water shall be diverted from this well except for testing purposes which shall not exceed ten (10) cumulative days, and well shall be plugged or capped on or before , unless a permit to use water from this well is acquired from the Office of the State Engineer.
- 17-P The well shall be constructed, maintained, and operated to prevent inter-aquifer exchange of water and to prevent loss of hydraulic head between hydrogeologic zones.
- 17-Q The State Engineer retains jurisdiction over this permit.

Trn Desc: CP 01943 POD1

File Number: CP 01943

Trn Number: 740394

NEW MEXICO STATE ENGINEER OFFICE  
PERMIT TO EXPLORE

SPECIFIC CONDITIONS OF APPROVAL (Continued)

- 17-R Pursuant to section 72-8-1 NMSA 1978, the permittee shall allow the State Engineer and OSE representatives entry upon private property for the performance of their respective duties, including access to the ditch or acequia to measure flow and also to the well for meter reading and water level measurement.
- LOG The Point of Diversion CP 01943 POD1 must be completed and the Well Log filed on or before 01/12/2024.

IT IS THE PERMITTEE'S RESPONSIBILITY TO OBTAIN ALL AUTHORIZATIONS AND PERMISSIONS TO DRILL ON PROPERTY OF OTHER OWNERSHIP BEFORE COMMENCING ACTIVITIES UNDER THIS PERMIT.

ACTION OF STATE ENGINEER

Notice of Intention Rcvd:	Date Rcvd. Corrected:
Formal Application Rcvd: 09/28/2022	Pub. of Notice Ordered:
Date Returned - Correction:	Affidavit of Pub. Filed:

This application is approved provided it is not exercised to the detriment of any others having existing rights, and is not contrary to the conservation of water in New Mexico nor detrimental to the public welfare of the state; and further subject to the specific conditions listed previously.

Witness my hand and seal this 12 day of Jan A.D., 2023

Mike A. Hamman, P.E. \_\_\_\_\_, State Engineer

By: K. Parekh  
KASHYAP PAREKH



Trn Desc: CP 01943 POD1

File Number: CP 01943

Trn Number: 740394



**United States Department of the Interior**

**BUREAU OF LAND MANAGEMENT**

Carlsbad Field Office  
620 E. Greene St.  
Carlsbad, NM 88220-6292

In Reply Refer To:  
3162.4 (NM-080)  
L-NMNM63362  
C-NMNM129425

January 10, 2023

NM Office of the State Engineer  
1900 W. Second St.  
Roswell, NM 88201

Re: Rigel 20 Fed Com 2H  
Section 20, T19S-R31S  
30-015-39394  
Eddy County, New Mexico

To Whom It May Concern:

The above well location and the immediate area mentioned above requires advanced soil boring to take place at approximately 55 feet below ground surface. The boring will be secured and left open for 72 hours at which time Devon Energy Production Company will assess for the presence or absence of groundwater. Temporary PVC well material will be placed to total depth of the boring and secured at the surface. If water is encountered at any point during the boring, installation of the soil boring will be plugged using Portland Type I/II neat cement less than 6.0 gallons of water per 94lb sack. If no water is encountered, then the soil boring will be plugged. The Bureau of Land Management (landowner) authorizes the access of the area to accomplish depth to groundwater determination of this site.

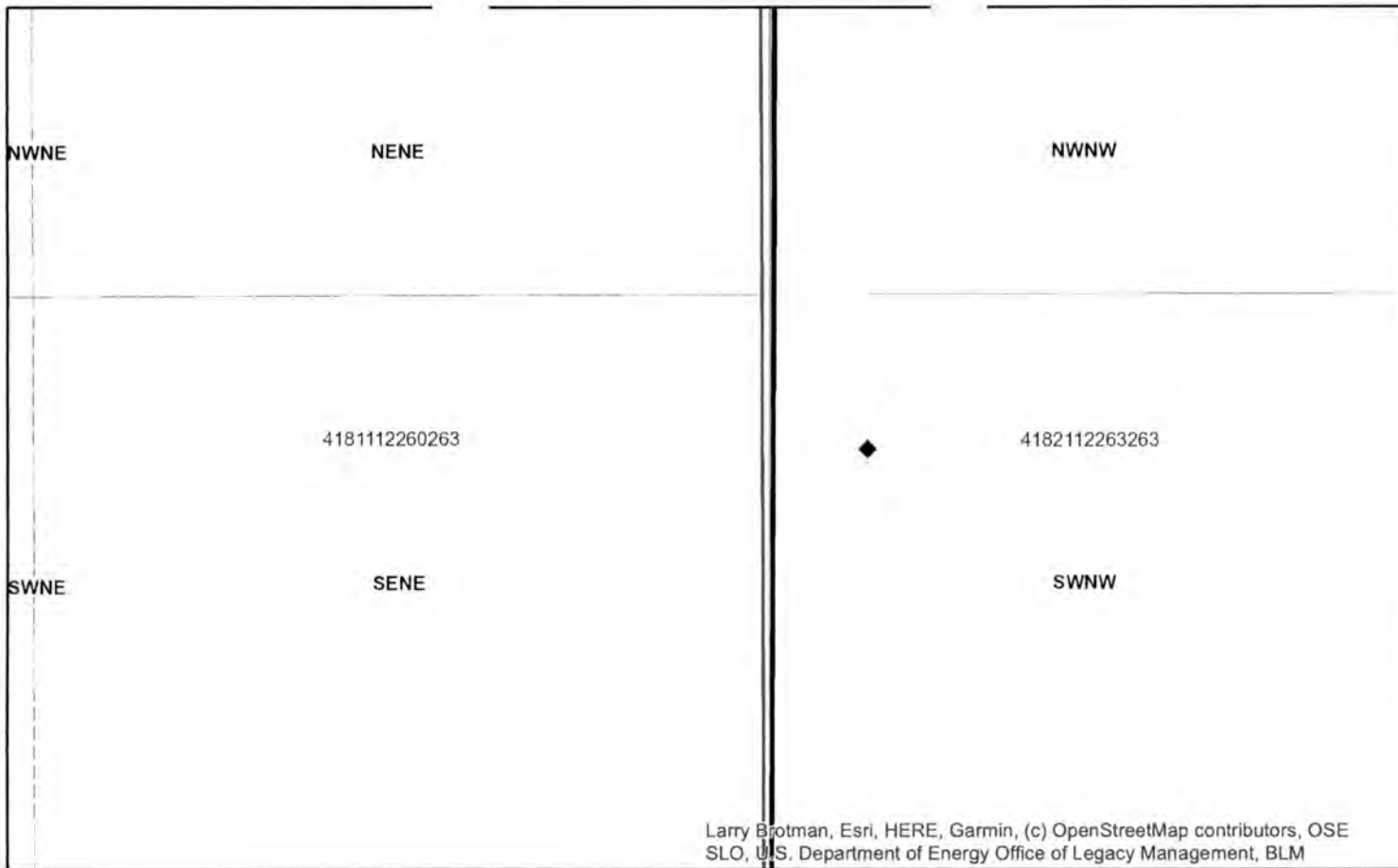
If you have any questions contact Crisha Morgan, at 575-234-5987.

Sincerely,

*Crisha Morgan*

Crisha A. Morgan  
Certified Environmental Protection Specialist

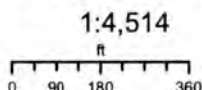
QSE DIT JAN 11 2023 AM 11:32



Larry Brotman, Esri, HERE, Garmin, (c) OpenStreetMap contributors, OSE SLO, U.S. Department of Energy Office of Legacy Management, BLM

**Coordinates**  
**UTM - NAD 83 (m) - Zone 13**  
 Easting 603218.288  
 Northing 3612883.300  
**State Plane - NAD 83 (f) - Zone E**  
 Easting 674885.608  
 Northing 600019.058  
**Degrees Minutes Seconds**  
 Latitude 32 : 38 : 55.520000  
 Longitude -103 : 53 : 58.000000  
 Location pulled from Coordinate Search

NEW MEXICO OFFICE  
 OF THE  
 STATE ENGINEER



1/12/2023



Reproduction of this data from the Geographic Information System (GIS) of the Office of the State Engineer (OSE) is hereby authorized. However, the user shall be responsible for the accuracy of the data and for any errors or omissions. The OSE does not warrant the accuracy, completeness, or timeliness of the data. The OSE is not responsible for any damages or losses resulting from the use of this data.

**Spatial Information**  
**County:** Eddy  
**Groundwater Basin:** Capitan  
**Abstract Area:** Capitan  
**Land Grant:** Not in Land Grant  
**Restrictions:** NA  
**PLSS Description**  
**NWNWSWNW Qtr of Sec 20 of 019S 031E**  
 Derived from CADNSDI- Qtr Sec. locations are calculated and are only approximations

**Parcel Information**  
**UPC/DocNum:** 4182112263263  
**Parcel Owner:** Bureau Of Land  
**Address:** Shugart Road null null  
  
**Legal:** Quarter: Ne S: 20 T: 19S R: 31E Quarter: Nw S: 20 T: 19S R: 31E Quarter: Sw S: 20 T: 19S R: 31E Quarter: Se S: 20 T: 19S R: 31E All Map# 160-20 Loc W Of Mm 8 Shugart Rd Exempt

**POD Information**  
**Owner:**  
**File Number:**  
**POD Status:** NoData  
**Permit Status:** NoData  
**Permit Use:** NoData  
**Purpose:**

- Coord Search Location
- OSE District Boundary
- Bemalillo County Parcels 2022
- Catron County Parcels 2022
- Chaves County Parcels 2022
- Cibola County Parcels 2022
- Colfax County Parcels 2022
- Curry County Parcels 2022
- De Baca County Parcels 2022
- Doña Ana County Parcels 2022
- Eddy County Parcels 2022
- Grant County Parcels 2022
- Harding County Parcels 2022
- Hidalgo County Parcels 2022
- Guadalupe County Parcels 2022
- Lea County Parcels 2022
- Lincoln County Parcels 2022
- Los Alamos County Parcels 2022
- Luna County Parcels 2022
- McKinley County Parcels 2022
- Mora County Parcels 2022
- Otero County Parcels 2022
- Quay County Parcels 2022
- Rio Arriba County Parcels 2022
- Roosevelt County Parcels 2022
- Sandoval County Parcels 2022
- San Juan County Parcels 2022
- San Miguel County Parcels 2022
- Santa Fe County Parcels 2022
- Sierra County Parcels 2022
- Socorro County Parcels 2022
- Taos County Parcels 2022
- Torrance County Parcels 2022
- Union County Parcels 2022
- Valencia County Parcels 2022
- SiteBoundaries

Mike A. Hamman, P.E.  
State Engineer



Roswell Office  
1900 WEST SECOND STREET  
ROSWELL, NM 88201

STATE OF NEW MEXICO  
OFFICE OF THE STATE ENGINEER

Trn Nbr: 740394  
File Nbr: CP 01943

Jan. 13, 2023

DALE WOODALL  
DEVON ENERGY  
6488 7 RIVER HWY  
ARTESIA, NM 88210

Greetings:

Your approved copy of the above numbered permit to drill a well for non-consumptive purposes is enclosed. You must obtain an additional permit if you intend to use the water. It is your responsibility to provide the contracted well driller with a copy of the permit that must be made available during well drilling activities.

Carefully review the attached conditions of approval for all specific permit requirements.

- \* If use of this well is temporary in nature and the well will be plugged at the end of the well usage, the OSE must initially approve of the plugging. If plugging approval is not conditioned in this permit, the applicant must submit a Plugging Plan of Operations for approval prior to the well being plugged. The Plugging Record must be properly completed and submitted to the OSE within 30 days of the well plugging.
- \* If the final intended purpose and condition requires a well ID tag and meter installation, the applicant must immediately send a completed meter report form to this office.
- \* The well record and log must be submitted within 30 days of the completion of the well or if the attempt was a dry hole.
- \* This permit expires and will be cancelled if no well is drilled and/or a well log is not received by the date set forth in the conditions of approval.

Appropriate forms can be downloaded from the OSE website [www.ose.state.nm.us](http://www.ose.state.nm.us).

Sincerely,

A handwritten signature in black ink that reads "Rodolfo Chavez".

Rodolfo Chavez  
(575) 622-6521

Enclosure

explores



# WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

03/03/2026 06:56:44 AM

<b>I. GENERAL AND WELL LOCATION</b>	OSE POD NO. (WELL NO.) POD 1 (TW-1)		WELL TAG ID NO. N/A		OSE FILE NO(S) CP-1943			
	WELL OWNER NAME(S) Devon Energy				PHONE (OPTIONAL) 575-748-1838			
	WELL OWNER MAILING ADDRESS 6488 7 Rivers Hwy				CITY Artesia	STATE NM	ZIP 88210	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 38	SECONDS 55.52	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND		
	LONGITUDE 103	53	58.0	W	* DATUM REQUIRED: WGS 84			
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE NW SW NW Sec.20 T19S R31E NMPM								
<b>2. DRILLING &amp; CASING INFORMATION</b>	LICENSE NO. 1249		NAME OF LICENSED DRILLER Jackie D. Atkins			NAME OF WELL DRILLING COMPANY Atkins Engineering Associates, Inc.		
	DRILLING STARTED 4/6/2023	DRILLING ENDED 4/9/2023	DEPTH OF COMPLETED WELL (FT) Temporary Well Material	BORE HOLE DEPTH (FT) ±55	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	DATE STATIC MEASURED 4/18/23		
	DRILLING FLUID: <input type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input checked="" type="checkbox"/> OTHER - SPECIFY: Hollow Stem Auger					CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>		
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	55	±6.25	Soil Boring	--	--	--	--
<b>3. ANNULAR MATERIAL</b>	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						
				N/A				

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 01/28/2022)

FILE NO. CP-1943	POD NO. 1	TRN NO. 740394
LOCATION 19S. 31E. 20 1 31	WELL TAG ID NO. MA	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	4	4	Sand, fine-grained, poorly graded, unconsolidated Brown	Y ✓ N	
	4	25	21	Caliche, with very fine- grained sand, Tan off white	Y ✓ N	
	25	50	25	Sand, fine-grained, poorly graded, consolidated, Brown	Y ✓ N	
	50	55	5	Sand, fine-grained, poorly graded, unconsolidated, Tan	Y ✓ N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
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					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 ten feet below ground surface(bgs), then hydrated bentonite chips ten feet bgs to surface. 5 Rigel 20 Fed Com 2H <div style="text-align: right; color: grey; font-size: small;">3/25/23 4:43 PM</div>
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Shane Eldridge, Cameron Pruitt	

6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:	
		 Jackie D. Atkins
	SIGNATURE OF DRILLER / PRINT SIGNEE NAME	DATE

FOR USE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 01/28/2022)	
FILE NO. CP-1943	POD NO. 1	TRN NO. 740394	
LOCATION 195-31E-20 131	WELL TAG ID NO. M4	PAGE 2 OF 2	

2-108<sup>40</sup>  
5<sup>00</sup>

**NEW MEXICO STATE ENGINEER OFFICE  
APPLICATION TO APPROPRIATE UNDERGROUND WATERS  
IN ACCORDANCE WITH SECTION 72-12-1 NEW MEXICO STATUTES**

**1. APPLICANT**

Name: Yates Petroleum Work Phone: 505-748-1471  
Contact: \_\_\_\_\_ Home Phone: \_\_\_\_\_  
Address: 105 South Fourth Street  
City: Artesia, New Mexico State: NM Zip: 88210

**2. LOCATION OF WELL (E thru H optional)**

A. 1/4 NE 1/4 NE 1/4 Section: 19 Township: 19-S Range: 31-N M.P.M. in L Eddy County.  
B. X = \_\_\_\_\_ feet, Y = \_\_\_\_\_ feet, N.M. Coordinate System  
Zone in the \_\_\_\_\_ Grant.  
U.S.G.S. Quad Map \_\_\_\_\_  
C. Give State Engineer File Number if existing well: CP-00873  
D. On land owned by: BLM  
E. Tract No. \_\_\_\_\_, Map No. \_\_\_\_\_ of the \_\_\_\_\_  
F. Lot No. \_\_\_\_\_, Block No. \_\_\_\_\_ of Unit/Tract \_\_\_\_\_ of the  
\_\_\_\_\_ Subdivision recorded in \_\_\_\_\_ County.  
G. Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_  
H. Other: \_\_\_\_\_

**3. USE OF WATER (check use applied for)**

One household, non-commercial trees, lawn and garden not to exceed a total of one acre.  
 Livestock watering.

Note: If any of the following items are marked, give the name and nature of business or use under item 5 of the additional statements or explanations section.

More than one household, non-commercial trees, lawns and gardens not to exceed a total of one acre.  
 Drinking and sanitary purposes and the irrigation of non-commercial trees, shrubs and lawns not to exceed one acre in conjunction with a commercial operation.  
 Prospecting, mining or drilling operations to discover or develop natural resources.  
 Construction of public works, highways and roads.

Trn Desc: \_\_\_\_\_  
Log Due Date: \_\_\_\_\_  
Form: wr-01

File Number: CP-873  
Trn Number: 550904

August 10, 2000 c/o Glenn's Water Well Service  
P.O. Box 692 Tatum, NM 88267

Rec'd 8/14/00

File ber: \_\_\_\_\_

**NEW MEXICO STATE ENGINEER OFFICE  
APPLICATION TO APPROPRIATE UNDERGROUND WATERS  
IN ACCORDANCE WITH SECTION 72-12-1 NEW MEXICO STATUTES**

**4. WELL INFORMATION (Change, Repair, Drill, Test, Supplement)**

Name of well driller and driller license number: \_\_\_\_\_

Approximate depth \_\_\_\_\_ feet; Outside diameter of casing \_\_\_\_\_ inches.

\_\_\_ Change Location of existing well or replacement well

\_\_\_ Repair or Deepen:

\_\_\_ Clean out well to original depth

\_\_\_ Deepen well from \_\_\_\_\_ to \_\_\_\_\_ feet

\_\_\_ Other \_\_\_\_\_

\_\_\_ Drill and test a well for \_\_\_\_\_ use.

\_\_\_ Supplemental well

**5. ADDITIONAL STATEMENTS OR EXPLANATIONS:**

Santa Fe Snyder has given permission for Yates Petroleum to use the  
well in the drilling of Rudolf ATX State #2 NW1 Section 16,  
Township 19-South, Range 31-East in Eddy County.

**ACKNOWLEDGEMENT FOR NATURAL PERSONS**

I, Corky Glenn affirm that the foregoing statements are true to  
(Please Print)  
the best of my knowledge and belief, By: \_\_\_\_\_

*Corky Glenn*  
Signature

Signature

Trn Desc: \_\_\_\_\_

File Number: \_\_\_\_\_

Log Due Date: \_\_\_\_\_

Trn Number: \_\_\_\_\_

Form: WR-01

**NEW MEXICO STATE ENGINEER OFFICE  
APPLICATION FOR PERMIT TO USE UNDERGROUND WATERS  
IN ACCORDANCE WITH SECTION 72-12-1 NEW MEXICO STATUTES**

**GENERAL CONDITIONS OF APPROVAL (A thru I)**

- A The maximum amount of water that may be appropriated under this permit is 3 acre-feet in any year.
- B The well shall be drilled by a driller licensed in the State of New Mexico in accordance with Section 72-12-12 New Mexico Statutes Annotated. A licensed driller shall not be required for the construction of a driven well; provided, that the casing shall not exceed two and three-eighths (2 3/8) inches outside diameter (Section 72-12-12).
- C Driller's well record must be filed with the State Engineer within 10 days after the well is drilled or driven. Well record forms will be provided by the State Engineer upon request.
- D The casing shall not exceed 7 inches outside diameter except under specific conditions in which reasons satisfactory to the State Engineer are shown.
- E If the well under this permit is used at any time to serve more than one household or livestock in a commercial feed lot operation, or for drinking and sanitation purposes in conjunction with a commercial operation, the permittee shall notify the State Engineer Office in writing.
- F In the event this well is combined with other wells permitted under Section 72-12-1 New Mexico Statutes Annotated, the total outdoor use shall not exceed the irrigation of one acre of non-commercial trees, lawn, and garden, or the equivalent outside consumptive use, and the total appropriation for household and outdoor use from the entire water distribution system shall not exceed 3 acre-feet in any year.
- G If artesian water is encountered, all rules and regulations pertaining to the drilling and casing of artesian wells shall be complied with.
- H The amount and uses of water permitted under this Application are subject to such limitations as may be imposed by the courts or by lawful municipal and county ordinances which are more restrictive than applicable State Engineer Regulations and the conditions of this permit.

Trn Desc: CP 00873  
Log Due Date: \_\_\_\_\_  
Form: wr-01

File Number: CP 00873  
Trn Number: SS0904

**NEW MEXICO STATE ENGINEER OFFICE  
APPLICATION FOR PERMIT TO USE UNDERGROUND WATERS  
IN ACCORDANCE WITH SECTION 72-12-1 NEW MEXICO STATUTES**

**GENERAL CONDITIONS OF APPROVAL (Continued)**

I The permittee shall utilize the highest and best technology available to ensure conservation of water to the maximum extent practical.

**SPECIFIC CONDITIONS OF APPROVAL**

3 Appropriation and use of water under this permit shall not exceed a period of one year from the date of approval.

5A A totalizing meter shall be installed before the first branch of the discharge line from the well and the installation shall be acceptable to the State Engineer; the Engineer shall be advised of the make, model, serial number, date of installation, and initial reading of the meter prior to appropriation of water; pumping records shall be submitted to the District Supervisor for each calendar month on or before the 10th day of the following month.

6 The well shall be plugged upon completion of the permitted use, and a plugging report shall be filed with the State Engineer within 10 days.

A The maximum amount of water that may be appropriated under this permit is 3 acre-feet in any year.

1A Depth of the well shall not exceed the thickness of the valley fill.

Trn Desc: CP 00873  
Log Due Date: \_\_\_\_\_  
Form: wr-01

File Number: CP 00873  
Trn Number: \_\_\_\_\_

NEW MEXICO STATE ENGINEER OFFICE  
APPLICATION FOR PERMIT TO USE UNDERGROUND WATERS  
IN ACCORDANCE WITH SECTION 72-12-1 NEW MEXICO STATUTES

ACTION OF STATE ENGINEER

This application is approved for the use indicated, subject to all general conditions and to specific conditions listed above.

Witness my hand and seal this 14 day of Aug A.D., 2000

Thomas C. Turney, State Engineer

By: Fred McMinn  
Fred McMinn

Trn Desc: CP 00873  
Log Due Date: \_\_\_\_\_  
Form: wr-01

File Number: CP 00873  
Trn Number: SS0904

page: 3

Thomas C. Turney  
State Engineer



Roswell Office  
1900 WEST SECOND STREET  
ROSWELL, NM 88201

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

Trn Nbr: 188369  
File Nbr: CP 00873  
Well File Nbr: CP 00873

August 14, 2000

Yates Petroleum  
C/O Glens Water Well Service  
PO BOX 692  
TATUM, NM 88267

Greetings:

The well driller's record for the above numbered well has been received in this office indicating your well has been completed.

Your permit was granted with the condition that a meter be installed and meter readings submitted to this office. A copy of your permit is enclosed for your information.

Per Condition 5A, please advise this office within 30 days, on the attached form, of the make, model, serial number, date of installation, and initial reading of the meter prior to appropriation of the water.

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

Sincerely,

A handwritten signature in cursive script, appearing to read "Fred McMinn".

Fred McMinn  
(505) 622-6467

Enclosure  
cc: Santa Fe Office

wellcon5



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Carlsbad Field Office  
620 E. Greene St.

P.O. Box 1778

Carlsbad, New Mexico 88221-1778

Tel. (505) 234-5972

Fax (505) 885-9264

2-10840  
5

IN REPLY REFER TO:

9171 (080)

New Mexico State Engineer Office  
District No. 2  
1900 West Second Street  
Roswell, New Mexico 88201

AUG 10 2000

Dear Mr. Hernandez,

This letter is in reference to a request from Mr. Corky Glenn to utilize a water well, number CP-00873, in the NE¼NE¼ of section 19, T. 19 S., R. 31 E. This is public surface, administered by the Carlsbad Field Office of the Bureau of Land Management. Mr. Glenn plans to use water from this well to develop an oil/gas well that is in section 16, T. 19 S., R. 31 E. This well is the Rudolf ATX State #2, developed for Yates Petroleum.

Mr. Glenn has discussed this work with our office and has cleared the proposal with our staff specialists. Mr. Glenn has stated that Santa Fe Snider has given Yates Petroleum their permission to use this water well. Yates has submitted a surface use plan and that plan has been approved, subject to water laws administered by the State Engineer of New Mexico. This letter constitutes authorization from the Carlsbad Field Office to conduct the above-mentioned action.

Sincerely,

Leslie Theiss  
Field Manager  
Carlsbad Field Office

2000 AUG 14 AM 10:47  
STATE ENGINEER OFFICE  
ROSSELL, N.M. 88201

MARTIN YATES, III  
1912 - 1985  
FRANK W. YATES  
1936 - 1986



S. P. YATES  
CHAIRMAN OF THE BOARD  
JOHN A. YATES  
PRESIDENT  
PEYTON YATES  
EXECUTIVE VICE PRESIDENT  
RANDY G. PATTERSON  
SECRETARY  
DENNIS G. KINSEY  
TREASURER

105 SOUTH FOURTH STREET  
ARTESIA, NEW MEXICO 88210

TELEPHONE (505) 748-1471

May 14, 1997

State Engineers Office  
P. O. Box 1717  
Roswell, NM 88201

RE: Glenn's Water Well Service  
Corky Glenn - Owner  
Box 692 - Tatum, NM 88267  
Telephone: 505-398-2424

Gentlemen:

I, Jim Krogman, Drilling Superintendent for Yates Petroleum Corporation, hereby authorize Corky Glenn, dba Glenn's Water Well Service, to act as the agent in obtaining permits from the New Mexico State Engineer's Office for the purpose of using ground water in the development of Yates Petroleum Corporation's oil and gas leases in southeastern New Mexico for a period of two years.

It is understood that Mr. Corky Glenn will, to the best of his knowledge, obey all state laws pertaining to the matter.

Sincerely,

Jim Krogman  
Drilling Superintendent

JK:rk

cc: Glenn's Water Well Service

STATE OF NEW MEXICO )  
  : ss  
COUNTY OF EDDY        )

The foregoing was acknowledged before me this 14th day of May, 1997, by Jim Krogman, Drilling Superintendent for Yates Petroleum Corporation.

10-31-98  
My Commission Expires:

Renee Rusty Klein  
Notary Public

STATE OF NEW MEXICO  
COUNTY OF EDDY  
MAY 14 1997

STATE ENGINEER OFFICE  
WELL RECORD

Section 1. GENERAL INFORMATION

(A) Owner of well Santa Fe Energy Owner's Well No. \_\_\_\_\_  
Street or Post Office Address c/o Glenn's Water Well Service, Inc.  
City and State P.O. Box 692 Tatum, New Mexico 88267

Well was drilled under Permit No. CP-00873 and is located in the:

- a. \_\_\_\_\_  $\frac{1}{4}$  \_\_\_\_\_  $\frac{1}{4}$  NW  $\frac{1}{4}$  NE  $\frac{1}{4}$  of Section 33 Township 21-S. Range 33-E. N.M.P.M.
- b. Tract No. \_\_\_\_\_ of Map No. \_\_\_\_\_ of the \_\_\_\_\_
- c. Lot No. \_\_\_\_\_ of Block No. \_\_\_\_\_ of the \_\_\_\_\_  
Subdivision, recorded in \_\_\_\_\_ County.
- d. X= \_\_\_\_\_ feet, Y= \_\_\_\_\_ feet, N.M. Coordinate System \_\_\_\_\_ Zone in  
the \_\_\_\_\_ Grant.

(B) Drilling Contractor Glenn's Water Well Service License No. WD-421  
Address P.O. Box 692 Tatum, New Mexico 88267

Drilling Began 1/2/98 Completed 1/5/98 Type tools rotary Size of hole 7 7/8 in.

Elevation of land surface or \_\_\_\_\_ at well is \_\_\_\_\_ ft. Total depth of well 340 ft.

Completed well is  shallow  artesian. Depth to water upon completion of well 180 ft.

Section 2. PRINCIPAL WATER-BEARING STRATA

Depth in Feet		Thickness in Feet	Description of Water-Bearing Formation	Estimated Yield (gallons per minute)
From	To			
240	320	80	red shale with stringer of sand	50

Section 3. RECORD OF CASING

Diameter (inches)	Pounds per foot	Threads per in.	Depth in Feet		Length (feet)	Type of Shoe	Perforations	
			Top	Bottom			From	To
8 5/8	.188		0	24	24	none		
6 5/8	.188		0	340			226	340

Section 4. RECORD OF MUDDING AND CEMENTING

Depth in Feet		Hole Diameter	Sacks of Mud	Cubic Feet of Cement	Method of Placement
From	To				

Section 5. PLUGGING RECORD

Plugging Contractor \_\_\_\_\_  
Address \_\_\_\_\_  
Plugging Method \_\_\_\_\_  
Date Well Plugged \_\_\_\_\_  
Plugging approved by: \_\_\_\_\_  
State Engineer Representative

No.	Depth in Feet		Cubic Feet of Cement
	Top	Bottom	
1			
2			
3			
4			

FOR USE OF STATE ENGINEER ONLY

Date Received 01/15/98 Quad \_\_\_\_\_ FWL \_\_\_\_\_ FSL \_\_\_\_\_

File No. CP-00873 Use OWD Location No. 21.33.33.21





APPENDIX B  
Karst Survey

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# Aerial Cave and Karst Investigation: Beetle Juice 19 Fed 3H Battery

Report Delivered: 07/07/2025

Prepared for:  
Ensolum, LLC  
3122 National Parks HWY  
Carlsbad, NM 88220

Prepared By:  
Advanced Geophysics, LLC  
2821 White Plains Dr.  
Midlothian, Texas 76065



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## 1.0 INTRODUCTION

The following report has been prepared for Ensolum, LLC, to determine the presence or absence of surficial karst features surrounding the Beetle Juice 19 Fed 3H Battery site (32.65252, -103.91193). The facility is located within Eddy County, New Mexico (**Figure 1**). To delineate these features, an aerial karst survey was conducted and processed by SWCA Environmental Consultants, then interpreted by Kaleb Henry of Advanced Geophysics, LLC.

The aerial karst survey was requested by Ensolum, LLC on March 17, 2025, and was completed on April 25, 2025. Upon the request, the client provided coordinates (listed above) for the project, as well as a figure generated by their GIS team to ensure the survey was conducted at the correct location.

The site is situated within an area classified as a high karst occurrence zone, due to the surrounding and underlying geologic formations exhibiting high solubility rates that facilitate the rapid development of karst features. The following survey was conducted to assess whether any surficial karst features have developed since the site's construction.

### 1.1 Summary of Results

The aerial karst survey identified eleven anomalies characterized by relatively sharp elevation changes, initially suggestive of potential surficial karst features. However, field verification, conducted by Kaleb Henry on July 3 and July 29, 2025, determined that the anomalies were products of mechanical erosion and suffosion processes rather than solutional speleogenesis. As a result, these features are classified as **pseudokarst** rather than true karst.

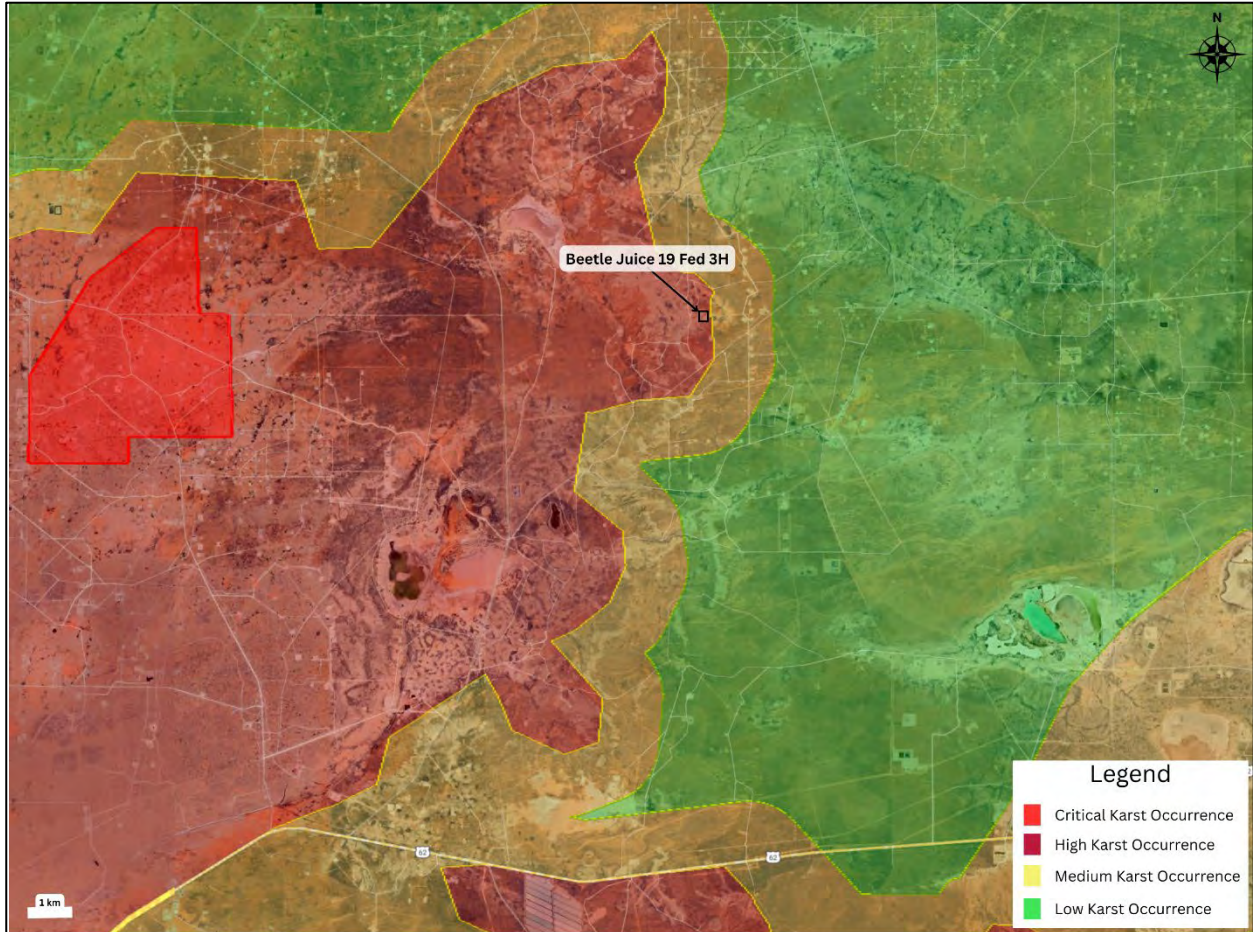
### 1.2 Site Location

The site is located approximately 39.54 kilometers (24.57 miles) northeast of Carlsbad, New Mexico, and approximately 14.48 kilometers (9 miles) north of U.S. Highway 62, within the NENW quarters of Section 19, Township 19 South, Range 31 East, in Eddy County, New Mexico. The facility is located on the Bureau of Land Management land.

### 1.3 Bureau of Land Management Characterization

The BLM have identified four divisions of karst potential: low, medium, high, and critical. These regions are characterized based on the known occurrence of karst features, underlying geologic formations, and potential impacts to freshwater aquifers. The survey was

conducted within an area characterized as **high** karst occurrence zone by the (BLM) – Carlsbad Office<sup>[1]</sup>.



**Figure 1.** Site location map with the surrounding karst occurrence. Map provided by Google Earth in datum WSG-84. Karst occurrence map provided by Bureau of Land Management – Carlsbad Office.

## 2.0 LOCAL GEOLOGY AND ENVIRONMENT

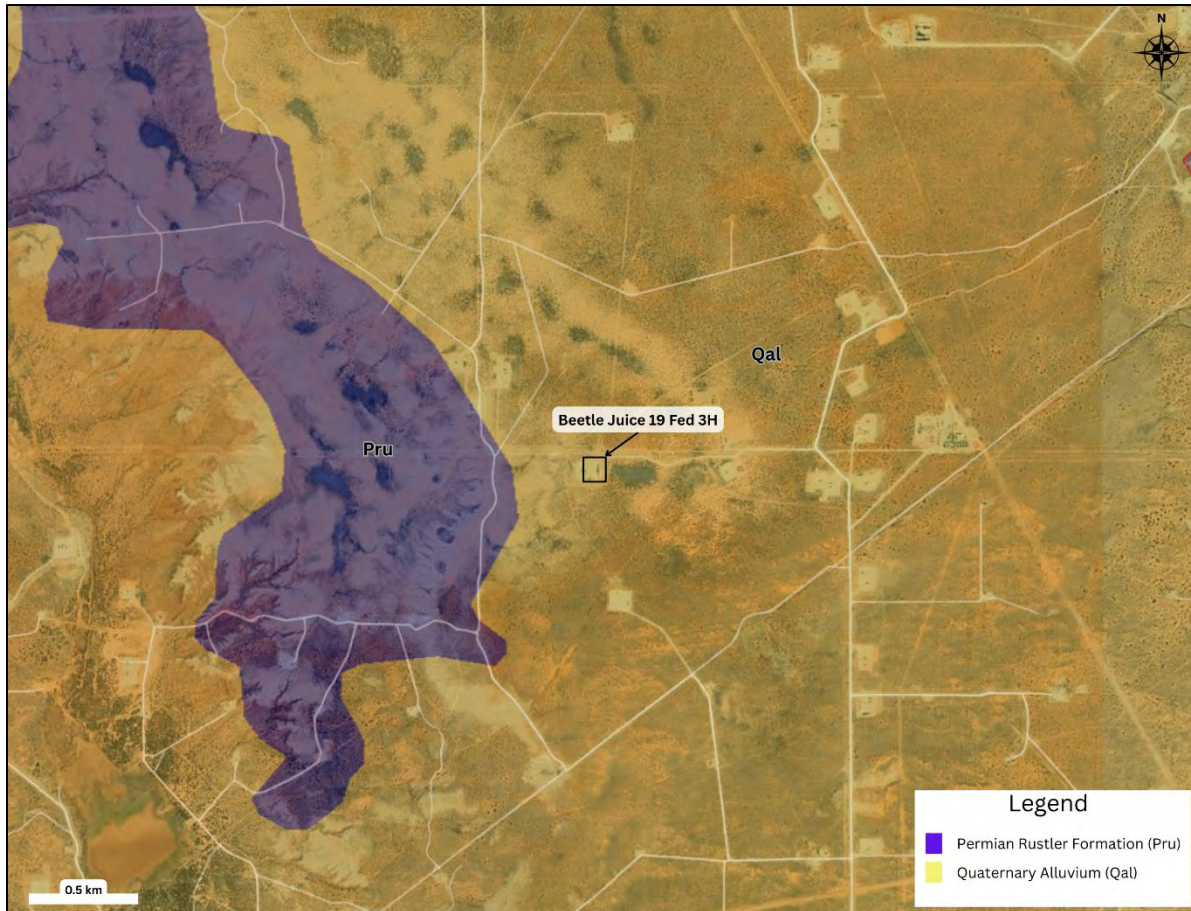
### 2.1 Geologic Setting

The site is located atop Quaternary alluvial deposits, which overlie multiple geologic formations known for their elevated rates of solubility. Stratigraphically, the Rustler Formation overlies the Salado and Castile Formations within the Delaware Basin. The Rustler Formation was deposited during the mid-to-late Ochoan, as the Delaware Basin transitioned

from a hypersaline sea to a terrestrial environment<sup>[3][6]</sup>. This transition led to a complex array of depositional environments, resulting in the formation of five distinct members within the Rustler Formation: Los Medaños, Culebra Dolomite, Tamarisk, Magenta Dolomite, and Forty-niner, listed in ascending order. The Tamarisk and Forty-niner Members, in particular, exhibit the most diverse salt pan to mudflat facies within the Rustler Formation, comprising mudstone, halite, and gypsum<sup>[16]</sup>. Due to their composition, these facies are highly susceptible to dissolution, leading to the formation of karst features.

Directly beneath the Rustler Formation lies the Salado Formation, deposited during the mid-Ochoan as the Delaware Basin became increasingly restricted, forming a density-stratified, hypersaline sea<sup>[17]</sup>. This depositional environment resulted in the Salado Formation being predominantly composed of halite (salt-NaCl) interbedded with anhydrite (gypsum)<sup>[18]</sup>. These evaporite facies are highly prone to dissolution by downward-migrating meteoric waters, which can create various karst features such as conduits, sinkholes, and cavernous porosity. Once initiated, these features can expand rapidly due to the high solubility of halite and gypsum/anhydrite. Halite, with a solubility rate of 360 g/L at 77°F, is approximately two orders of magnitude more soluble than gypsum<sup>[15]</sup>. Gypsum, in turn, has a solubility rate of approximately 2.531 g/L at 68°F, which is around four orders of magnitude higher than that of limestone (calcium carbonate)<sup>[9]</sup>.

The high solubility of these evaporite facies facilitates the rapid development of complex cave systems, which can form within days, weeks, or years, depending on the surrounding hydrogeologic conditions<sup>[13]</sup>. These cave systems serve as preferential flow paths for shallow groundwater recharge, creating a dynamic and continuously evolving karst-aquifer system<sup>[11]</sup>.



**Figure 2.** Geologic formations surrounding the site location. Quaternary alluvial deposits (Qal), Permian Rustler Formation (Pru). Background image provided by Google Earth in datum WSG-84. Geologic unit overlay provided by the United State Geologic Society (USGS).

## 2.2 Environmental Setting

The site is located within an area known as the Chihuahuan Desert Thornscrub, where vegetation is sparse. Vegetation surrounding the surveyed location primarily consists of grass with and few creosote bushes. The soil surrounding the site is classified as the Simona-Bippus complex, characterized by gravelly fine sandy loam with a depth ranging from 0 to 19 inches<sup>[14]</sup>. The environment surrounding the survey has been characterized as an evaporitic karst terrain, due to the underlying geologic formations. This Rustler Formation has many documented sinkholes, dolines, and caves, which are highly susceptible to enlargement by dissolution as surface water migrates downward through the formation. These conduits can facilitate the rapid recharge of the groundwater aquifers.

## 2.3 Karst Development

Cave and karst development within the Rustler, Salado, and Castile formations is extensive due to their high percentage of gypsum, anhydrite, and halite facies, all of which are highly susceptible to rapid dissolution when in contact with meteoric waters undersaturated with respect to calcium sulfate. These evaporite units promote aggressive chemical weathering, leading to the formation of extensive subsurface voids, conduits, and collapse structures. Dissolution rates within these formations far exceed those of carbonate systems, allowing for accelerated speleogenesis and widespread development of karst features such as solutional caves, breccia pipes, and sinkholes.

### 2.3.1 Pseudokarst

Pseudokarst encompasses geomorphic features that mimic the morphology of true karst landforms but form through non-solutional processes. These features commonly manifest as networks of soil caves, piping conduits, and collapse depressions generated by suffosion, a process primarily driven by fluctuations in the water table or episodes of rapid groundwater flow, which mobilize and transport fine sediments downward into preexisting karstified zones<sup>[15][16]</sup>. In low-relief settings prone to flooding, subsidence is further enhanced as voids created by vertical pipes and fracture networks become gradually infilled and destabilized<sup>[17]</sup>. Suffosion sinks are most likely to develop in areas with thick, unconsolidated, or allogenic sediments, where infiltration promotes localized collapse<sup>[15] [18]</sup>. Collectively, these pseudokarst systems not only reshape surface topography but also function as transient pathways for shallow groundwater flow, facilitating sediment redistribution and influencing the long-term evolution of underlying karst environments.

## 3.0 METHODOLOGY

### 3.1 Description of Survey

An aerial karst survey was conducted for the Beetle Juice 19 Fed 3H Battery well pad. The survey was conducted by a highly experienced drone pilot licensed by the Federal Aviation Administration (FAA) and affiliated with SWCA Environmental Consultants. Survey parameters were developed by Kaleb Henry of Advanced Geophysics to ensure compliance with the stringent requirements established by the Bureau of Land Management – Carlsbad Field Office (BLM-CFO), which are recognized by the New Mexico Oil Conservation Division (NMOCD) and the New Mexico State Land Office (NMSLO).

The aerial survey utilized a preplanned flight path flown at low elevations, with aerial transects spaced to achieve an estimated 70–80% imagery overlap. This overlap minimizes errors during the image-stitching process and enhances the accuracy and resolution of the final imagery products. Following data collection, the images were stitched to produce an orthomosaic image, which was then processed to generate a highly accurate Digital Elevation Model (DEM). A Local Relief Model (LRM) was subsequently derived from the DEM to highlight sharp changes in elevation (approximately 5 cm). The LRM, along with the DEM and orthomosaic imagery, was carefully examined and analyzed by an experienced cave and karst specialist.

The aerial imagery used in the survey has a resolution of approximately 5 cm (2 in), enabling a trained geologist to identify small-scale karst features with a high degree of detail. However, it is important to recognize the potential presence of artificial artifacts within the LRM, as shadowing and dense vegetation can result in the misrepresentation of topographic highs or lows.

### 3.2 Survey Results

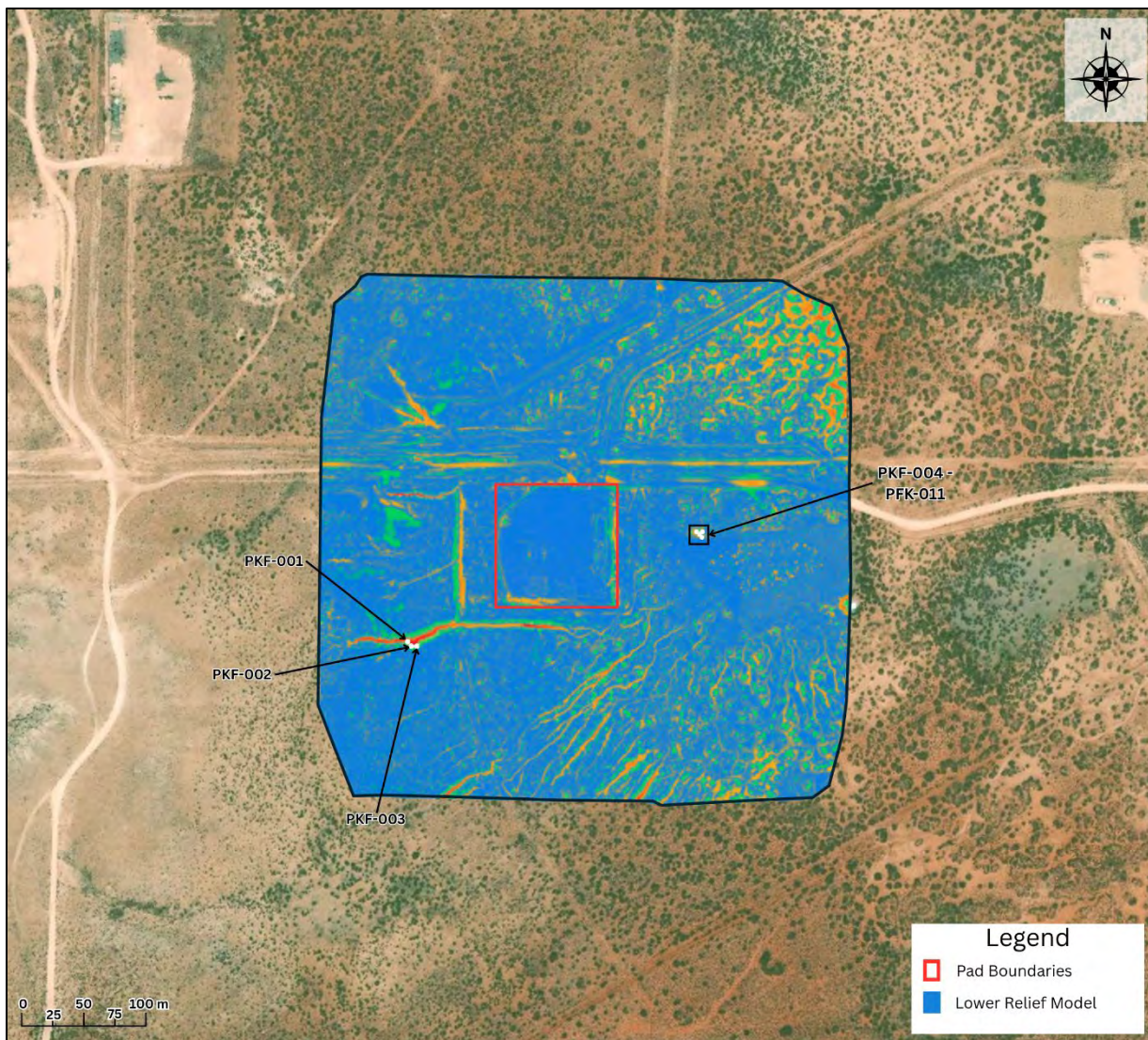
The aerial karst survey identified eleven anomalies (**PKF-001 – PKF-011**) characterized by relatively sharp elevation changes, initially suggesting the presence of potential surficial karst features (**Figure 3**). To verify whether these anomalies represented true karst features, field-based pedestrian surveys were conducted by Kaleb Henry on July 3, 2025, and again on July 29, 2025. The second survey was necessary due to standing water in the vicinity of PKF-004 through PKF-011 during the first visit, which prevented access to the feature. Field descriptions were collected for both sites and are summarized below. Photographs of the features are presented in section **5.0 Pedestrian Karst Survey Figures**.

**PKF-001 – PKF-003:** These anomalies were initially interpreted from drone imagery as a potential sinking stream due to its abrupt elevation change and geomorphological similarity to known karst features (**Figure 4**). However, field verification revealed that the feature resulted from mechanical erosion processes rather than chemical dissolution. Surface water migrating downslope has mechanically removed sediments, forming a shallow depression. No fractures, solutionally enlarged conduits, or preferential subsurface flow pathways were observed. As such, this feature is classified as **pseudokarst** rather than true karst.

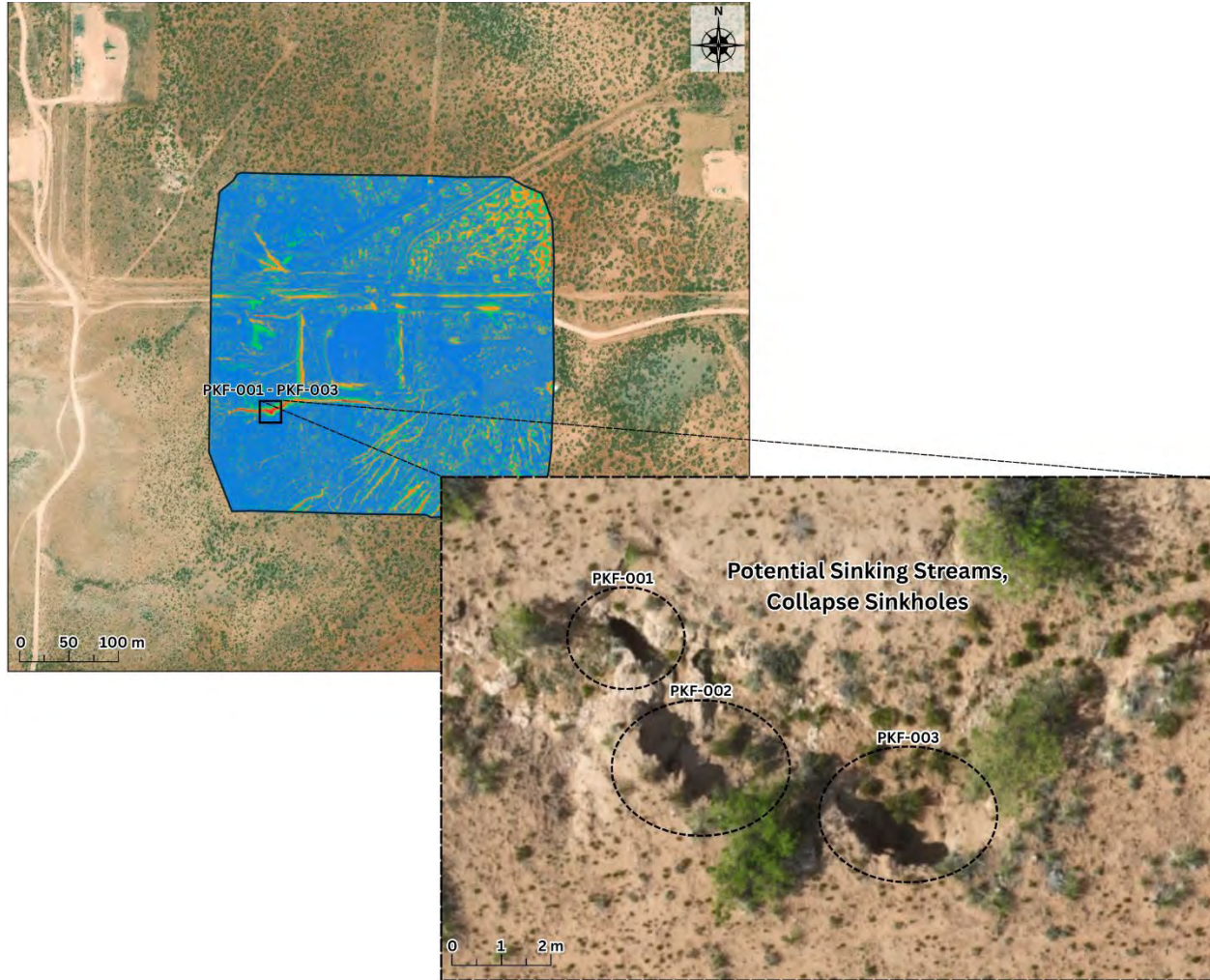
**PKF-004 – PKF-011:** These anomalies were initially interpreted as possible collapse sinkholes based on aerial imagery due to their sharp topographic expression and morphology (**Figure 5**). However, field verifications revealed that they are suffosion sinks/soil collapse features formed through the mobilization and downward transport of fine-grained sediments as

groundwater flows from topographic highs to lows or into underlying voids/fractures. While the presence of subsurface fractures or voids is possible, there is no evidence of active dissolution processes at the surface. Consequently, these features are classified as **pseudokarst** rather than true karst.

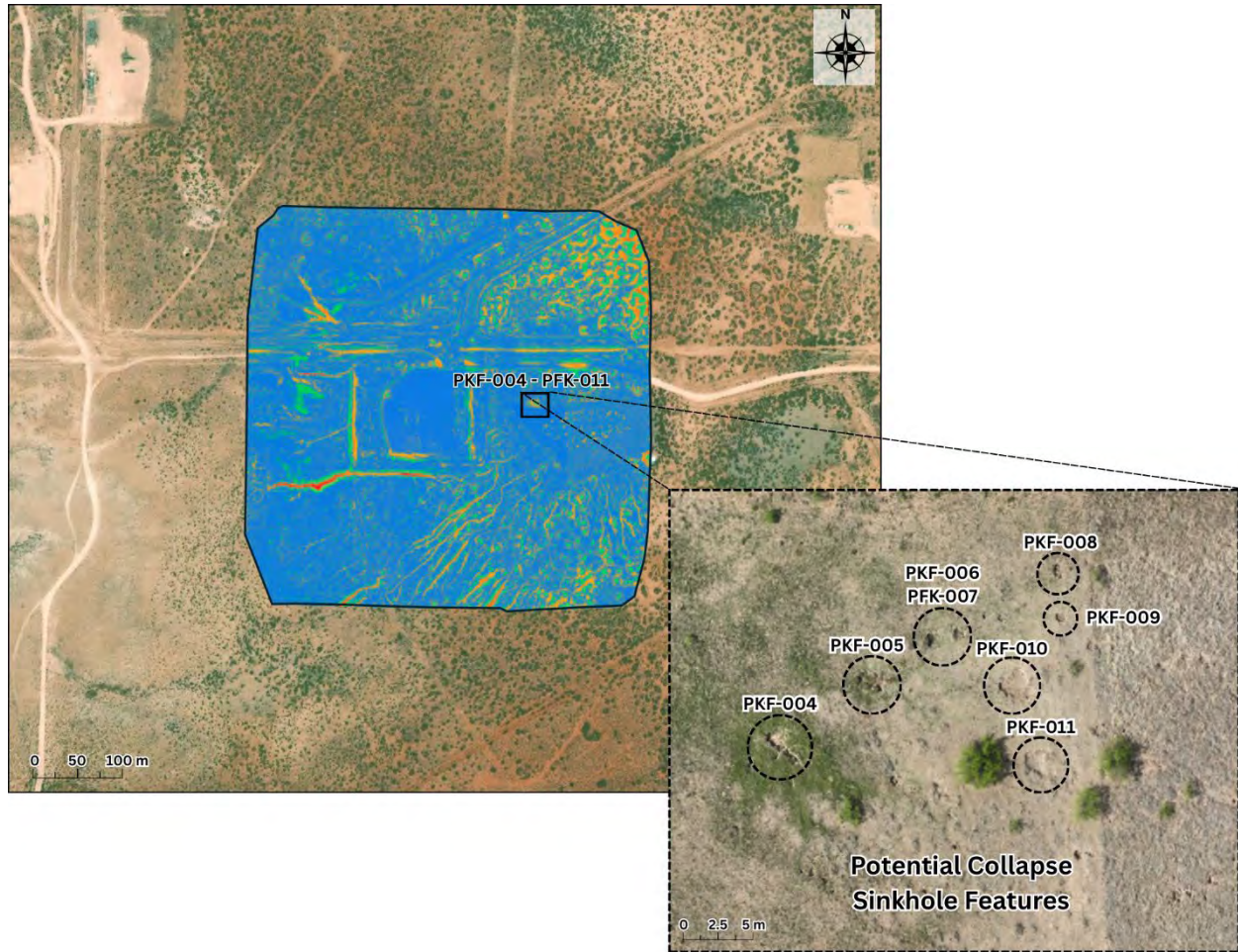
Field verification revealed that the anomalies, originally believed to represent surficial karst features, are instead products of mechanical erosion and suffosion processes, consistent with pseudokarst development.



**Figure 3.** Aerial karst survey overview. The surveyed site is outlined in red, with the LRM, primarily represented in blue, surrounding the area. Background imagery is sourced from Google Earth and referenced to the WGS-84 datum.



**Figure 4.** Overview of the aerial karst survey showing the location and initial interpretation of anomalies PKF-001 through PKF-003, situated southwest of the study site. Background imagery is sourced from Google Earth and georeferenced to the WGS-84



**Figure 5.** Overview of the aerial karst survey showing the location and initial interpretation of anomalies PKF-004 through PKF-011, situated southwest of the study site. Background imagery is sourced from Google Earth and georeferenced to the WGS-84

#### 4.0 SUMMARY AND RECOMMENDATIONS

The aerial karst survey identified eleven anomalies characterized by relatively sharp elevation changes, initially suggestive of potential surficial karst features. However, field verification, conducted by Kaleb Henry on July 3 and July 29, 2025, determined that both anomalies were products of mechanical erosion and suffosion processes rather than solutional speleogenesis. As a result, these features are classified as **pseudokarst** rather than true karst.

The site is located within an area characterized as a high karst occurrence due to the underlying geologic formation that is highly susceptible to dissolution, which enables karst features to rapidly grow within days, weeks, or months. These processes can be greatly accelerated if proper mitigation processes are not implemented. Any infrastructure containing fluids should be continuously monitored, in case of failure resulting in a release. Infrastructure unknowingly supplying fluids to the underlying geologic formation could cause catastrophic failure, due to dissolution processes rapidly enlarging karst features.

If any subsurface voids are encountered during construction or remediation processes, they should be immediately reported Bureau of Land Management (Karst Division) – Carlsbad Office, or the New Mexico State Lands Office (Surface Resource Division) in order to request a Cave and Karst Specialist. Any implemented procedures to mitigate a cave or karst feature should follow the **Bureau of Land Management Cave and Karst Management Handbook, H-8380-1**, or the **Natural Resources Conservation Service Conservation Practice Standard for Karst Sinkhole Treatment, Code 527**.

#### Contact Information:

Bureau of Land Management (Karst Division) – 575-234-5972

New Mexico State Lands Office (Surface Resource Division) – 505-827-5768

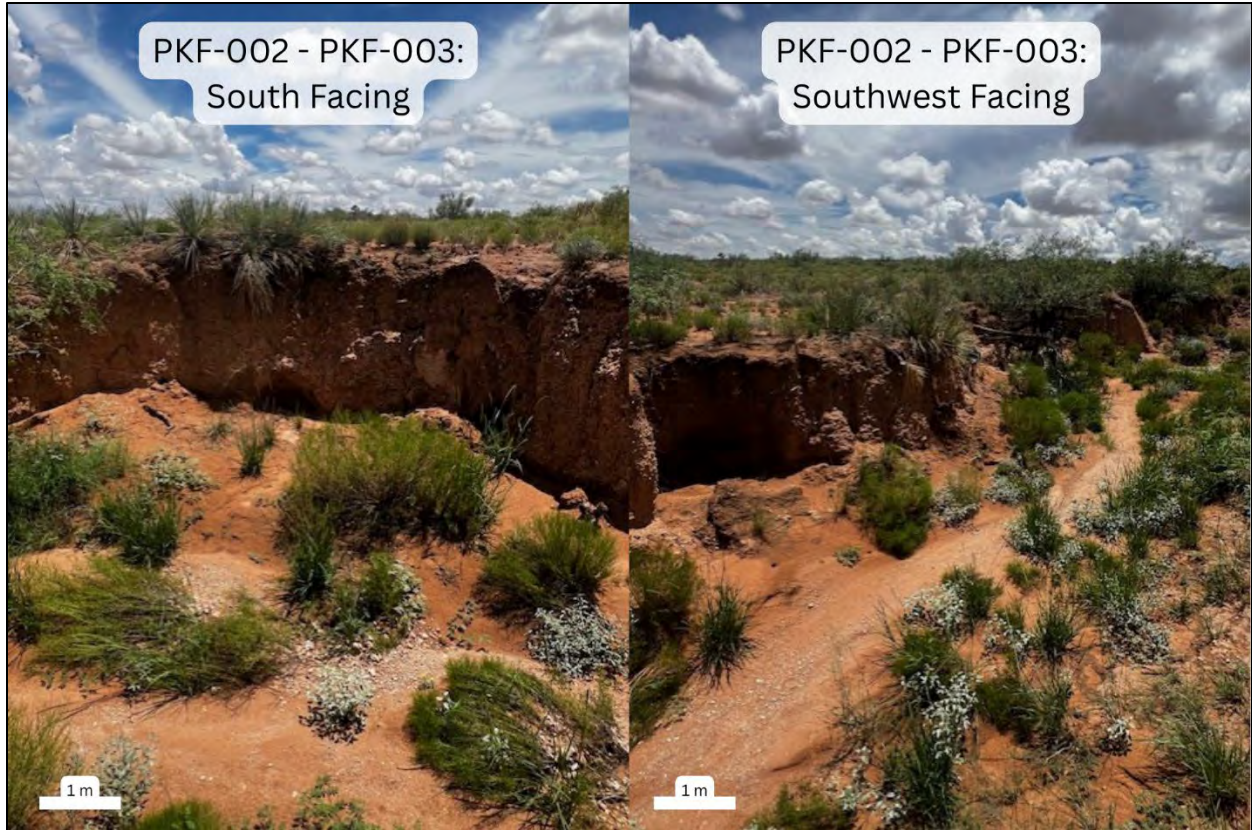
### 5.0 PEDESTRIAN KARST SURVEY FIGURES



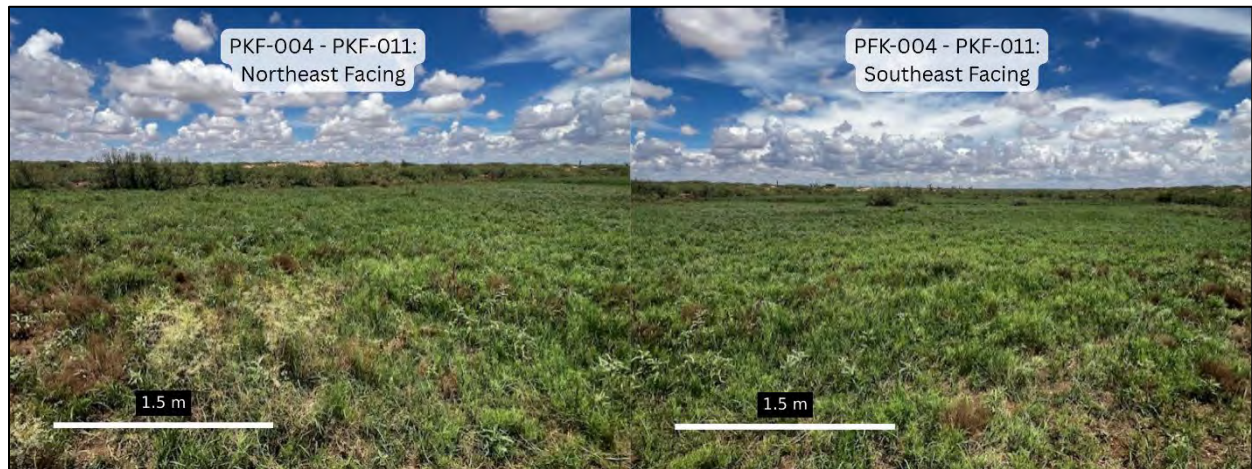
**Figure 6.** Photographs collected during the pedestrian karst survey on July 29, illustrating small surface depressions formed by mechanical erosion as surface water migrates from topographic highs to lows.



**Figure 7.** Photographs collected during the pedestrian karst survey on July 29, illustrating the location of the surface depressions within the arroyo that provides a preferential flow path for surface water to migrate from topographic highs to lows.



**Figure 8.** Photographs collected during the pedestrian karst survey on July 3, illustrating the sharp elevation changes formed by surface water erosion as it migrates from higher to lower elevations; however, no karst features were identified at this location.



**Figure 9.** Photographs collected during the pedestrian karst survey on July 3, depicting a low-lying area where surface water accumulates, promoting dense vegetation growth.



**Figure 10.** Photographs collected during the pedestrian karst survey on July 29, illustrating irregular soil collapse features formed by subsurface erosion processes. A hammer (highlighted by the red rectangle; length 15.28 in) is included for scale.



**Figure 11.** Photographs collected during the pedestrian karst survey on July 29, illustrating irregular soil collapse features formed by subsurface erosion processes. A hammer (highlighted by the red rectangle (right photo); length 15.28 in) is included for scale.



**Figure 12.** Photographs collected during the pedestrian karst survey on July 29, illustrating irregular soil collapse features formed by subsurface erosion processes. A hammer (length 15.28 in) is included for scale.

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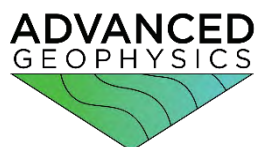
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# Subsurface Investigation: Electrical Resistivity Survey Report

Report Delivered: 04/20/2025

Prepared for:  
Ensolum, LLC  
3122 National Parks HWY  
Carlsbad, NM 88220

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Midlothian, Texas 76065



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## 1.0 INTRODUCTION

The following report has been prepared for Ensolum, LLC, to determine the presence or absence of subsurface voids below the tank battery containment at Beetle Juice 19 Fed 3H (32.65252, -103.91193). The facility is located within Eddy County, New Mexico (**Figure 1**). To delineate these features, a geophysical survey (electrical resistivity tomography) was conducted, processed, and interpreted by Kaleb Henry of Advanced Geophysics, LLC.

The electrical resistivity surveys were requested by Ensolum, LLC on March 17, 2025, and were completed on March 31, 2025. Upon the request, the client provided coordinates (listed above) for the project, as well as a figure generated by their GIS team to ensure the survey was conducted at the correct location.

### 1.1 Summary of Results

The survey did not identify any anomalies that could be interpreted as air-filled voids or areas of increased porosity. Due to resolution limits, smaller voids or karst features may be present.

### 1.2 Site Location

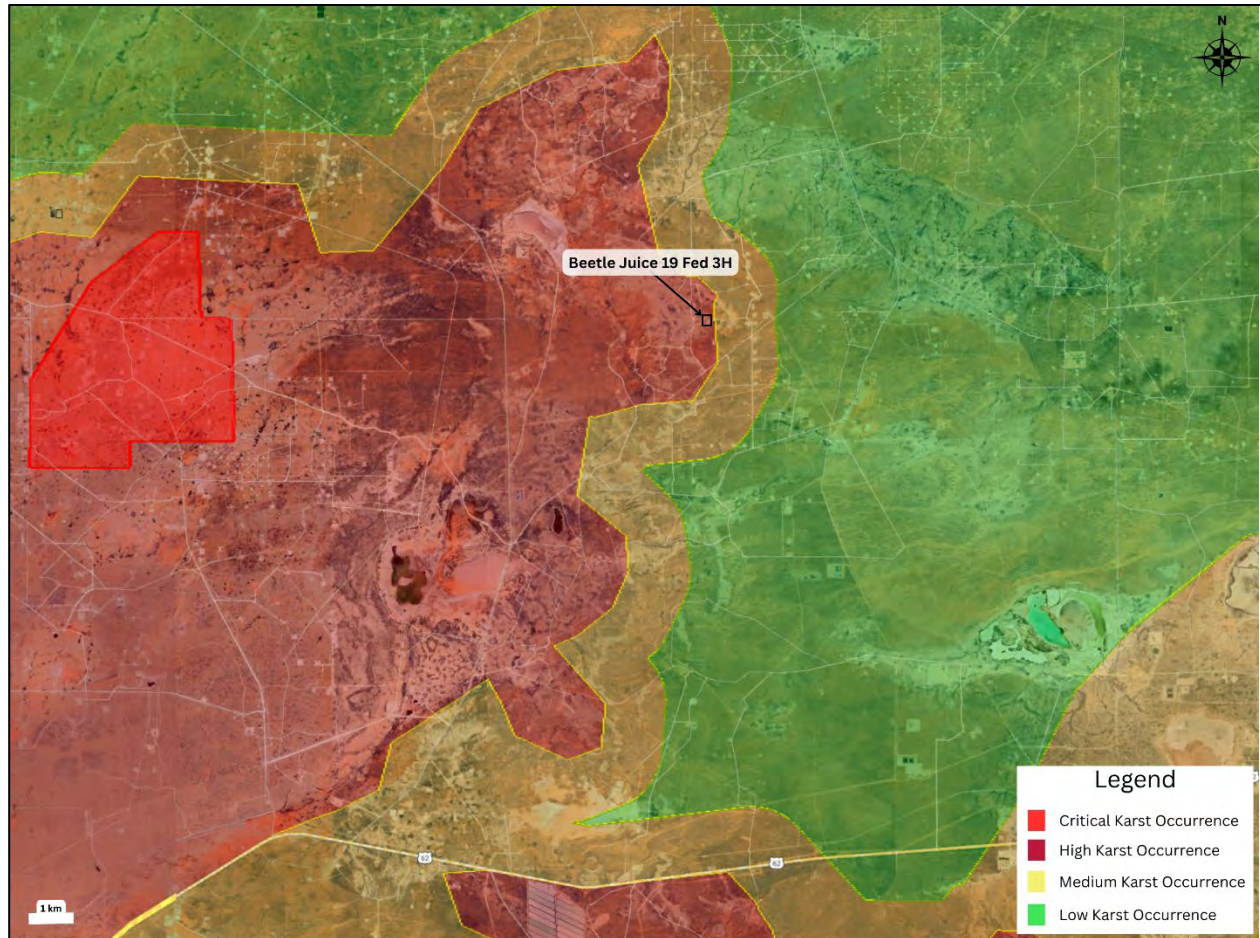
The site is located approximately 39.54 kilometers (24.57 miles) northeast of Carlsbad, New Mexico, and approximately 14.48 kilometers (9 miles) north of U.S. Highway 62, within the NENW quarters of Section 19, Township 19 South, Range 31 East, in Eddy County, New Mexico. The facility is located on the Bureau of Land Management land.



**Figure 1.** Aerial view of the Beetle Juice 19 Fed 3H site, illustrating the position of each electrode used during the electrical resistivity surveys.

### 1.3 Bureau of Land Management Characterization

The BLM have identified four divisions of karst potential: low, medium, high, and critical. These regions are characterized based on the known occurrence of karst features, underlying geologic formations, and potential impacts to freshwater aquifers. The survey was conducted within an area characterized as **high/critical** karst occurrence zone by the (BLM) – Carlsbad Office<sup>[1]</sup> (**Figure 2**).



**Figure 2.** Site location map with the surrounding karst occurrence. Map provided by Google Earth in datum WSG-84. Karst occurrence map provided by Bureau of Land Management – Carlsbad Office.

## 2.0 LOCAL GEOLOGY AND ENVIRONMENT

### 2.1 Geologic Setting

The site is situated along the northern edge of the Chihuahuan Desert, within a physiographic region known as the Gypsum Plain (**Figure 3**)<sup>[13]</sup>. The Gypsum Plain is composed of Permian-age evaporites, characterized by extensive cave and karst development in the Castile, Salado, and Rustler Formations<sup>[11]</sup>. Stratigraphically, the Rustler Formation overlies the Salado and Castile Formations within the Delaware Basin. The Rustler Formation was deposited during the mid-to-late Ochoan, as the Delaware Basin transitioned from a hypersaline sea to a terrestrial environment<sup>[3][6]</sup>. This transition led to a complex array of depositional environments, resulting in the formation of five distinct members within the Rustler

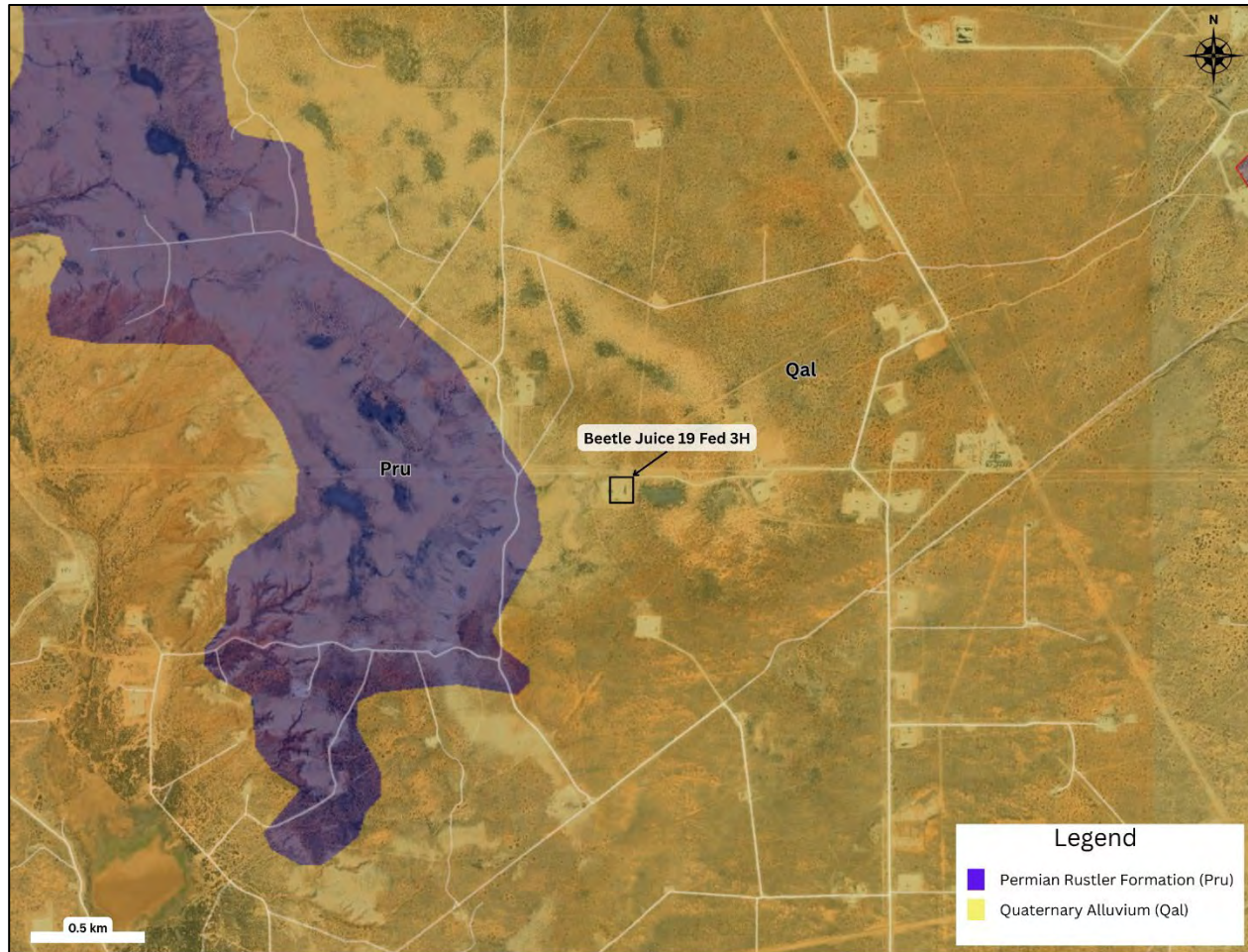
Formation: Los Medaños, Culebra Dolomite, Tamarisk, Magenta Dolomite, and Forty-niner, listed in ascending order. The Tamarisk and Forty-niner Members, in particular, exhibit the most diverse salt pan to mudflat facies within the Rustler Formation, comprising mudstone, halite, and gypsum<sup>[16]</sup>. Due to their composition, these facies are highly susceptible to dissolution, leading to the formation of karst features.

Directly beneath the Rustler Formation lies the Salado Formation, deposited during the mid-Ochoan as the Delaware Basin became increasingly restricted, forming a density-stratified, hypersaline sea<sup>[17]</sup>. This depositional environment resulted in the Salado Formation being predominantly composed of halite (salt-NaCl) interbedded with anhydrite (gypsum)<sup>[18]</sup>. These evaporite facies are highly prone to dissolution by downward-migrating meteoric waters, which can create various karst features such as conduits, sinkholes, and cavernous porosity. Once initiated, these features can expand rapidly due to the high solubility of halite and gypsum/anhydrite. Halite, with a solubility rate of 360 g/L at 77°F, is approximately two orders of magnitude more soluble than gypsum<sup>[15]</sup>. Gypsum, in turn, has a solubility rate of approximately 2.531 g/L at 68°F, which is around four orders of magnitude higher than that of limestone (calcium carbonate)<sup>[9]</sup>.

The high solubility of these evaporite facies facilitates the rapid development of complex cave systems, which can form within days, weeks, or years, depending on the surrounding hydrogeologic conditions<sup>[13]</sup>. These cave systems serve as preferential flow paths for shallow groundwater recharge, creating a dynamic and continuously evolving karst-aquifer system<sup>[11]</sup>.

## 2.2 Environmental Setting

The site is located within an area known as the Chihuahuan Desert Thornscrub, where vegetation is sparse. Vegetation surrounding the surveyed location primarily consists of grass with and few creosote bushes. The soil surrounding the site is classified as the Simona-Bippus complex, characterized by gravelly fine sandy loam with a depth ranging from 0 to 19 inches<sup>[14]</sup>. The environment surrounding the survey has been characterized as an evaporitic karst terrain, due to the underlying geologic formations. This Rustler Formation has many documented sinkholes, dolines, and caves, which are highly susceptible to enlargement by dissolution as surface water migrates downward through the formation. These conduits can facilitate the rapid recharge of the groundwater aquifers.



**Figure 3.** Geologic formations surrounding the site location. Permian Rustler Formation (Pru), Quaternary alluvial deposits (Qal). Background image provided by Google Earth in datum WSG-84. Geologic unit overlay provided by the United State Geologic Society (USGS).

### 3.0 METHODOLOGY

#### 3.1 Description of Survey

This project required electrical resistivity lines to be conducted surrounding the Beetle Juice 19 Fed 3H tank battery containment to confirm or deny the existence of subsurface voids. The survey was comprised of four two-dimensional (2-D) direct current (DC) resistivity survey lines. This survey was conducted using an Advanced Geosciences', Inc. (AGI) SuperSting™ (R8/IP) multi-electrode earth resistivity meter. All four lines were performed using a dipole-dipole array configuration, composed of 14 electrodes. Lines one and two (BJL1 and BJL2) were conducted with a 4-meter (13.12 ft) electrode spacing and lines three and four (BJL3

and BJL4) were conducted with a 3-meter (9.84 ft) electrode spacing to ensure high accuracy and increased shallow depth resolution. Due to the electrode spacing and configuration, the near surface resolution was 1.5 to 4 meters (4.92 ft to 13.12 ft), and total depth of investigation for lines one and two (BJL1 and BJL2) was 10.7 meters (35ft) and the total depth of investigation for lines three and four (BJL3 and BJL4) was 8 meters (26.24 ft) below ground surface (bgs). The electrodes were laid out from south-to-north (electrode 1 to electrode 14) for lines one and two (BJL1 and BJL2), while the electrodes for line three and four (BJL3 and BJL4) were oriented east-to-west (electrode 1 to electrode 14). Each electrode location was recorded using a GPS Tracks unit with an estimated horizontal location error of ~3 meters (10 ft).

The survey was conducted on the Beetle Juice 19 Fed 3H well pad, which consisted of compacted caliche, allowing for optimal surveying conditions. The electrical contact resistance between the ground and each electrode was maintained below 1,000  $\Omega$ m. Each electrical resistivity line was conducted using time estimates of 800 ms and cycled twice per electrode pair. The SuperSting™ (R8/IP) was set to inject a 2,000 mA current for each survey measurement and was set to reach a maximum error threshold of 2% between measurement cycles. Recorded resistivity measurements were processed with EarthImager™ 2-D/3-D inversion modeling software, produced by AGI. To improve inverted resistivity models, data outliers which account for less than 10% of total data, were removed using data misfit histograms. Terrain correction was not incorporated into the resistivity sections due to the survey being conducted on a horizontally level well pad.

The surveyed lines (BJL1.stg – BJL4.stg) were completed by Kaleb Henry and Christopher Collard on March 31, 2025, and are available for review upon request.

### 3.2 Electrical Resistivity Theory

Electrical resistivity tomography is predicated on the response of electrical current flowing through subsurface material, from transmitter electrodes to potential electrodes. As the current migrates through the underlying media, a potential difference (apparent resistivity) in current is measured. There are three primary factors for determining the electrical resistivity of a subsurface material: Lithology, saturation, and porosity. As porosity increases, resistance to the flow of electrical current is increased, due to the theoretically infinite resistiveness of air. When an area of increased porosity/void is encountered within the subsurface a sharp contrast in electrical resistiveness to the surrounding material is measured and recorded. This theory, coupled with knowledge of the underlying geology,

allows an experienced geophysicist to develop an accurate interpretation of the subsurface features.

### 3.3 Survey Results

The geophysical survey did not identify any anomalies that could be interpreted as voids or areas of increased porosity (**Figure 4, Figure 5**). However, due to the resolution limits, small fractures and voids/conduits may be present but not detected.

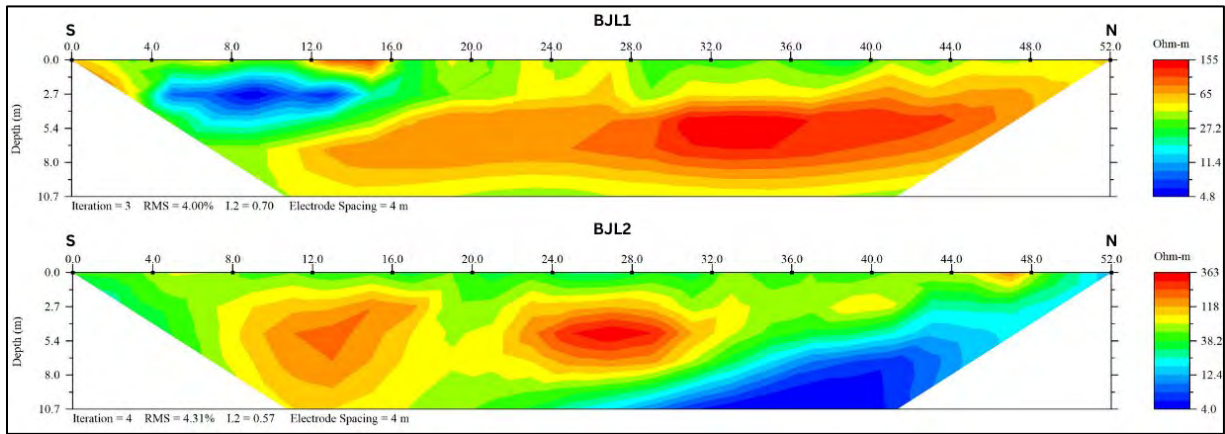


Figure 4. Inverted resistivity survey lines one and two (BJL1, BJL2).

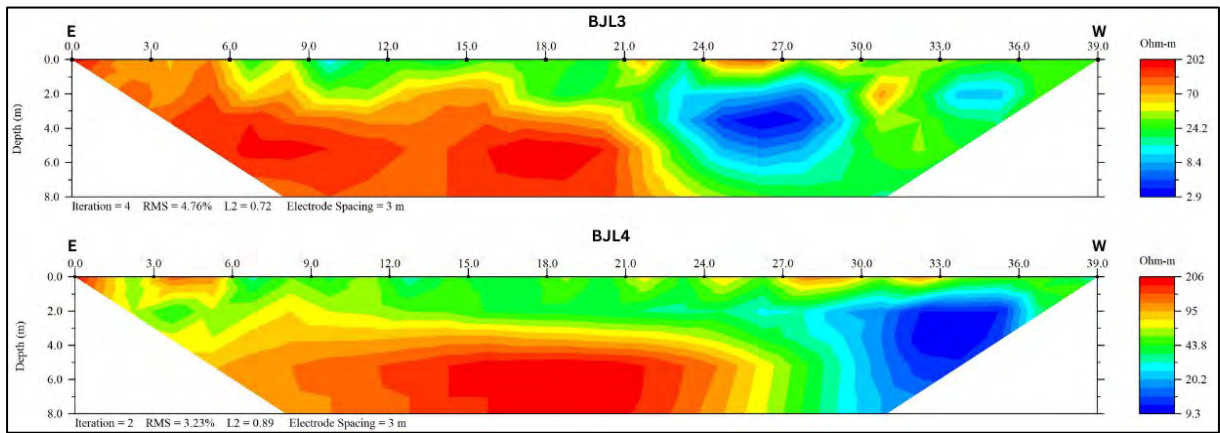


Figure 5. Inverted resistivity survey lines three and four (BJL3, BJL4).

#### 4.0 SUMMARY AND RECOMMENDATIONS

The survey did not identify any anomalies that could be interpreted as air-filled voids or areas of increased porosity. Although the survey did not identify any air-filled voids, some may exist below the resolution limits. If these features are encountered during the construction or remediation process, a karst specialist should be consulted before proceeding.

The underlying geologic formation at the surveyed location is highly susceptible to dissolution, which enables karst features to rapidly grow within days, weeks, or months. These processes can be greatly accelerated if proper mitigation processes are not implemented. Any infrastructure containing fluids should be continuously monitored, in case of failure resulting in a release. Infrastructure unknowingly supplying fluids to the underlying geologic formation could cause catastrophic failure, due to dissolution processes rapidly enlarging karst features.

If any subsurface voids encountered during construction, drilling or remediation processes, they should be immediately reported Bureau of Land Management – Carlsbad Office, in order to request a Cave and Karst Specialist. Any implemented procedures to mitigate a cave or karst feature should follow the **Bureau of Land Management Cave and Karst Management Handbook, H-8380-1**, or the **Natural Resources Conservation Service Conservation Practice Standard for Karst Sinkhole Treatment, Code 527**.

## 5.0 REFERENCES

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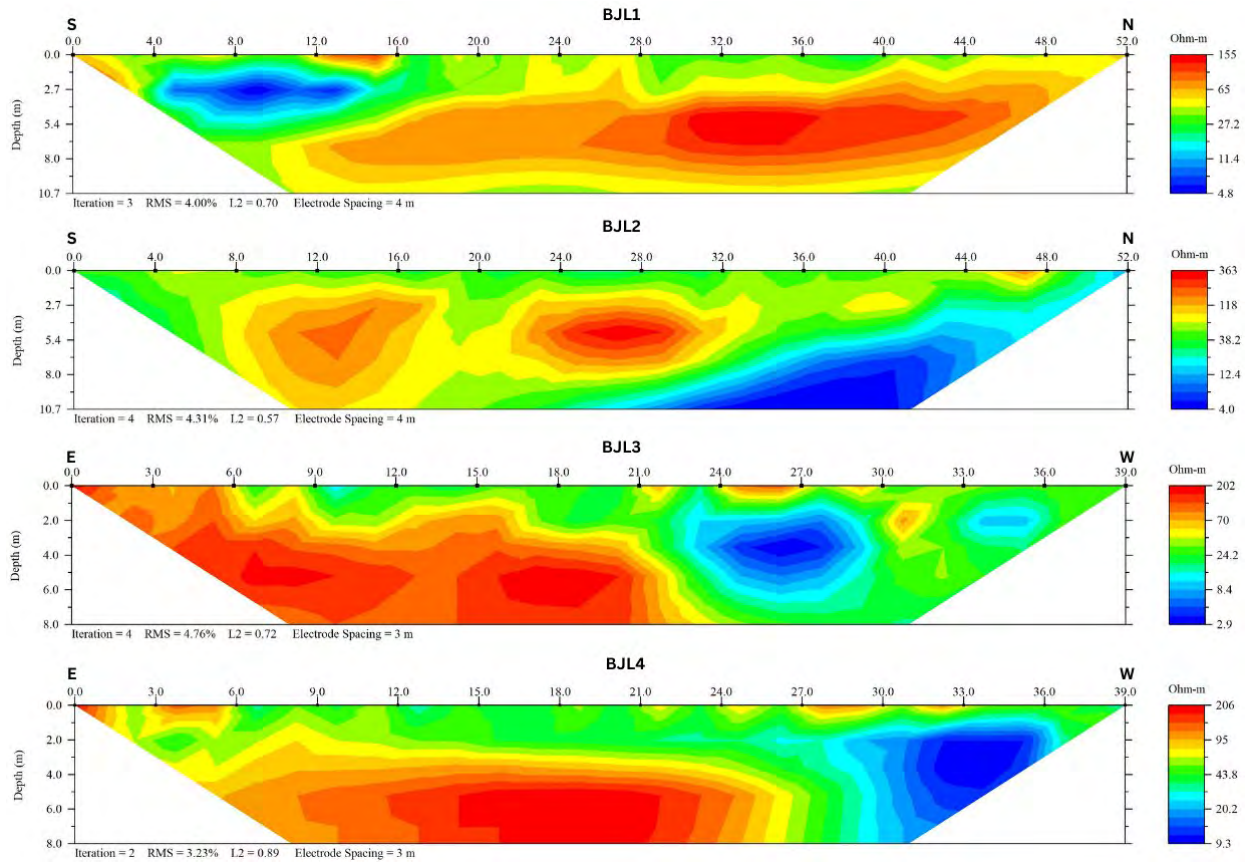
## 6.0 APPENDICES

### 6.1 Electrical Resistivity Data

Raw data for the electrical resistivity files (BJL1.stg – BJL4.stg) are available upon request. The STG files were processed and modeled using EarthImager™ 2D, provided by AGI. During the modeling process, data outliers which account for less than 10% of total data were removed using data misfit histograms. Terrain correction was not incorporated into the resistivity sections due to the survey being conducted on a horizontally level well pad.

The surveys were laid out from south-to-north (electrode 1 to electrode 14) for lines one and two (BJL1 and BJL2), while the electrodes for line three and four (BJL3 and BJL4) were oriented east-to-west (electrode 1 to electrode 14). The total depth of investigation for lines one and two (BJL1 and BJL2) was 10.7 meters (35 ft) and the total depth of investigation for lines three and four (BJL3 and BJL4) was 8 meters (26.24 ft) below ground surface (bgs). These sections did not identify any anomalies that could be interpreted as open voids/conduits. Smaller fractures or areas of increased porosity may be present but not identified in this survey, due to resolution limits.

## 6.2 Electrical Resistivity Images





## APPENDIX C

### Wetland Survey





PO Box 617  
Firestone, CO 80520

September 29, 2025

Mr. Trevor Hartwig  
Project Biologist  
Ensolum, LLC

RE: Waterway Review for the Beetlejuice Station Project

On Pointe Consulting's (On Pointe's) Professional Wetland Scientist Liz Carner (PWS Certification #2450) conducted a site visit at the Beetlejuice Station on September 19, 2025, to review the area for water features with potential to be identified as significant waterways.

I recorded two data points using the U.S. Army Corps of Engineers data forms for the Great Plains Region (UPL-01 and UPL-02) within the PUSC<sub>x</sub> NWI polygon and the NHD flowline depicted on the attached maps. I found that no wetland or stream were present in either polygon. No evidence of water flow or duration of saturation/inundation was observed. The aerial signature is from a vegetation community that appeared to be planted for cattle. Therefore, I suggest that no significant waterway as defined by the New Mexico Oil Conservation District exists within the 300' buffer.

Liz Carner, PWS #2450

Attachments:

- Figures
- Photo Log
- USACE Datasheets
- Liz Carner, PWS Resume





PEM1J

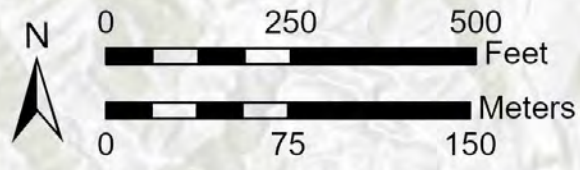
PUSGx

**Legend**

- Project Area
- Survey Area (300' Buffer)
- National Hydrography Dataset (NHD)
- National Wetland Inventory (NWI)
- Freshwater Emergent Wetland
- Freshwater Pond

**Figure 1. Beetlejuice Station NHD/NWI Map**

Eddy County, New Mexico



Spatial Reference:  
WGS 1984 UTM Zone 13N

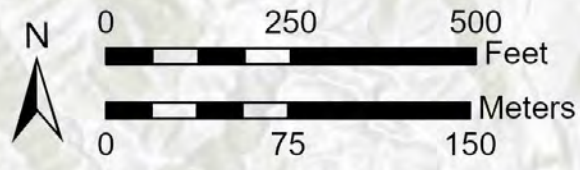




- Legend**
- Upland Data Point
  - Project Area
  - Survey Area (300' Buffer)

**Figure 2. Beetlejuice Station Survey Results Map**

Eddy County, New Mexico



<b>U.S. Army Corps of Engineers</b> <b>WETLAND DETERMINATION DATA SHEET – Great Plains Region</b> See ERDC/EL TR-10-1; the proponent agency is CECW-COR	<b>OMB Control #: 0710-0024, Exp: 09/30/2027</b> <b>Requirement Control Symbol EXEMPT:</b> <b>(Authority: AR 335-15, paragraph 5-2a)</b>
---	--

Project/Site: \_\_\_\_\_ City/County: Eddy County Sampling Date: 2025-09-19  
 Applicant/Owner: \_\_\_\_\_ State: New Mexico Sampling Point: UPL-01  
 Investigator(s): Liz Carner, PWS Section, Township, Range: sec 19 T019S R031E  
 Landform (hillside, terrace, etc.): Flat Local relief (concave, convex, none): None Slope (%): 0-2  
 Subregion (LRR/MLRA): LRR G, MLRA 70B Lat: 32.652483 Long: -103.910694 Datum: WGS84  
 Soil Map Unit Name: None NWI classification: PUSCx  
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes  No  (If no, explain in Remarks.)  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes  No   
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

**SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.**

Hydrophytic Vegetation Present? Yes _____ No <input checked="" type="checkbox"/> Hydric Soil Present? Yes _____ No <input checked="" type="checkbox"/> Wetland Hydrology Present? Yes _____ No <input checked="" type="checkbox"/>	<b>Is the Sampled Area within a Wetland?</b> Yes _____ No <input checked="" type="checkbox"/>
--	---

Remarks:  
 No wetland in NWI. Area heavily utilized by cattle

**VEGETATION – Use scientific names of plants.**

Tree Stratum (Plot size: <u>30' radius</u> )	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. _____	_____	_____	_____	Number of Dominant Species That Are OBL, FACW, or FAC: <u>2</u> (A) Total Number of Dominant Species Across All Strata: <u>4</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>50.00</u> (A/B)
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
0 =Total Cover				<b>Prevalence Index worksheet:</b> Total % Cover of: _____ Multiply by: OBL species <u>0</u> x 1 = <u>0</u> FACW species <u>0</u> x 2 = <u>0</u> FAC species <u>70</u> x 3 = <u>210</u> FACU species <u>50</u> x 4 = <u>200</u> UPL species <u>15</u> x 5 = <u>75</u> Column Totals: <u>135</u> (A) <u>485.00</u> (B) Prevalence Index = B/A = <u>3.59</u>
Sapling/Shrub Stratum (Plot size: <u>30' radius</u> )	Absolute % Cover	Dominant Species?	Indicator Status	
1. <u>Prosopis glandulosa</u>	<u>10</u>	<u>Y</u>	<u>FACU</u>	
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
10.0 =Total Cover				
Herb Stratum (Plot size: <u>30' radius</u> )	Absolute % Cover	Dominant Species?	Indicator Status	
1. <u>Hopia obtusa</u>	<u>40</u>	<u>Y</u>	<u>FAC</u>	
2. <u>Cynodon dactylon</u>	<u>40</u>	<u>Y</u>	<u>FACU</u>	
3. <u>Rudbeckia laciniata</u>	<u>30</u>	<u>Y</u>	<u>FAC</u>	
4. <u>Solanum eleganaefolium</u>	<u>15</u>	<u>N</u>	<u>UPL</u>	
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
8. _____	_____	_____	_____	
9. _____	_____	_____	_____	
10. _____	_____	_____	_____	
125.0 =Total Cover				
Woody Vine Stratum (Plot size: <u>30' radius</u> )	Absolute % Cover	Dominant Species?	Indicator Status	
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
0 =Total Cover				
% Bare Ground in Herb Stratum _____				
Hydrophytic Vegetation Present? Yes _____ No <input checked="" type="checkbox"/>				

Remarks:

**SOIL**

Sampling Point: UPL-01

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>		
0-14	7.5YR	3/3	100				FSL	Compacted

<sup>1</sup>Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. <sup>2</sup>Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)	Indicators for Problematic Hydric Soils <sup>3</sup> :
<input type="checkbox"/> Histosol (A1)	<input type="checkbox"/> 1 cm Muck (A9) (LRR I, J)
<input type="checkbox"/> Histic Epipedon (A2)	<input type="checkbox"/> High Plains Depressions (F16)
<input type="checkbox"/> Black Histic (A3)	<b>(LRR H outside of MLRA 72 &amp; 73)</b>
<input type="checkbox"/> Hydrogen Sulfide (A4)	<input type="checkbox"/> Reduced Vertic (F18)
<input type="checkbox"/> Stratified Layers (A5) (LRR F)	<input type="checkbox"/> Red Parent Material (F21)
<input type="checkbox"/> 1 cm Muck (A9) (LRR F, G, H)	<input type="checkbox"/> Very Shallow Dark Surface (F22)
<input type="checkbox"/> Depleted Below Dark Surface (A11)	<input type="checkbox"/> Other (Explain in Remarks)
<input type="checkbox"/> Thick Dark Surface (A12)	
<input type="checkbox"/> Iron Monosulfide (A18)	
<input type="checkbox"/> Sandy Mucky Mineral (S1)	
<input type="checkbox"/> 2.5 cm Mucky Peat or Peat (S2) (LRR G, H)	
<input type="checkbox"/> 5 cm Mucky Peat or Peat (S3) (LRR F)	
<input type="checkbox"/> Sandy Gleyed Matrix (S4)	
<input type="checkbox"/> Sandy Redox (S5)	
<input type="checkbox"/> Stripped Matrix (S6)	
<input type="checkbox"/> Loamy Mucky Mineral (F1)	
<input type="checkbox"/> Loamy Gleyed Matrix (F2)	
<input type="checkbox"/> Depleted Matrix (F3)	
<input type="checkbox"/> Redox Dark Surface (F6)	
<input type="checkbox"/> Depleted Dark Surface (F7)	
<input type="checkbox"/> Redox Depressions (F8)	
<input type="checkbox"/> High Plains Depressions (F16)	

<sup>3</sup>Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

<b>Restrictive Layer (if observed):</b> Type: _____ Depth (inches): _____	<b>Hydric Soil Present?</b> Yes _____ No <input checked="" type="checkbox"/>
---	--

Remarks:

**HYDROLOGY**

Wetland Hydrology Indicators:	Primary Indicators (minimum of one is required; check all that apply)	Secondary Indicators (minimum of two required)
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Salt Crust (B11)	<input type="checkbox"/> Surface Soil Cracks (B6)
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Invertebrates (B13)	<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Drainage Patterns (B10)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Dry-Season Water Table (C2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<b>(where tilled)</b>
<input type="checkbox"/> Drift Deposits (B3)	<b>(where not tilled)</b>	<input type="checkbox"/> Crayfish Burrows (C8)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)	<input type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> FAC-Neutral Test (D5)
<input type="checkbox"/> Water-Stained Leaves (B9)		<input type="checkbox"/> Frost-Heave Hummocks (D7) (LRR F)

<b>Field Observations:</b> Surface Water Present?    Yes _____ No <input checked="" type="checkbox"/> Depth (inches): _____ Water Table Present?      Yes _____ No <input checked="" type="checkbox"/> Depth (inches): _____ Saturation Present?        Yes _____ No <input checked="" type="checkbox"/> Depth (inches): _____ (includes capillary fringe)	<b>Wetland Hydrology Present?</b> Yes _____ No <input checked="" type="checkbox"/>
--	--

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

<b>U.S. Army Corps of Engineers</b> <b>WETLAND DETERMINATION DATA SHEET – Great Plains Region</b> See ERDC/EL TR-10-1; the proponent agency is CECW-COR	<b>OMB Control #: 0710-0024, Exp: 09/30/2027</b> <b>Requirement Control Symbol EXEMPT:</b> <b>(Authority: AR 335-15, paragraph 5-2a)</b>
---	--

Project/Site: \_\_\_\_\_ City/County: Eddy County Sampling Date: 2025-09-19  
 Applicant/Owner: \_\_\_\_\_ State: New Mexico Sampling Point: UPL-02  
 Investigator(s): Liz Carner, PWS Section, Township, Range: sec 19 T019S R031E  
 Landform (hillside, terrace, etc.): Flat Local relief (concave, convex, none): None Slope (%): 0-2  
 Subregion (LRR/MLRA): LRR G, MLRA 70B Lat: 32.652125 Long: -103.910205 Datum: WGS84  
 Soil Map Unit Name: Simona-Bippus complex, 0 to 5 percent slopes NWI classification: PUSCx  
 Are climatic / hydrologic conditions on the site typical for this time of year? Yes  No  (If no, explain in Remarks.)  
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ significantly disturbed? Are "Normal Circumstances" present? Yes  No   
 Are Vegetation \_\_\_\_\_, Soil \_\_\_\_\_, or Hydrology \_\_\_\_\_ naturally problematic? (If needed, explain any answers in Remarks.)

**SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.**

Hydrophytic Vegetation Present? Yes _____ No <input checked="" type="checkbox"/> Hydric Soil Present? Yes _____ No <input checked="" type="checkbox"/> Wetland Hydrology Present? Yes _____ No <input checked="" type="checkbox"/>	<b>Is the Sampled Area within a Wetland?</b> Yes _____ No <input checked="" type="checkbox"/>
--	---

Remarks:  
 No wetland in NWI. Area heavily utilized by cattle

**VEGETATION – Use scientific names of plants.**

Tree Stratum (Plot size: <u>30' radius</u> )	Absolute % Cover	Dominant Species?	Indicator Status	<b>Dominance Test worksheet:</b> Number of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A) Total Number of Dominant Species Across All Strata: <u>2</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>0.00</u> (A/B)
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
0 =Total Cover				
Sapling/Shrub Stratum (Plot size: <u>30' radius</u> )	Absolute % Cover	Dominant Species?	Indicator Status	<b>Prevalence Index worksheet:</b> Total % Cover of: _____ Multiply by: OBL species <u>0</u> x 1 = <u>0</u> FACW species <u>0</u> x 2 = <u>0</u> FAC species <u>35</u> x 3 = <u>105</u> FACU species <u>25</u> x 4 = <u>100</u> UPL species <u>60</u> x 5 = <u>300</u> Column Totals: <u>120</u> (A) <u>505.00</u> (B) Prevalence Index = B/A = <u>4.21</u>
1. <u>Prosopis glandulosa</u>	10	Y	FACU	
2. _____	_____	_____	_____	
3. _____	_____	_____	_____	
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
10.0 =Total Cover				
Herb Stratum (Plot size: <u>30' radius</u> )	Absolute % Cover	Dominant Species?	Indicator Status	<b>Hydrophytic Vegetation Indicators:</b> ___ 1 - Rapid Test for Hydrophytic Vegetation ___ 2 - Dominance Test is >50% ___ 3 - Prevalence Index is ≤3.0 <sup>1</sup> ___ 4 - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet) ___ Problematic Hydrophytic Vegetation <sup>1</sup> (Explain) <sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
1. <u>Solanum eleganaefolium</u>	60	Y	UPL	
2. <u>Hopia obtusa</u>	20	N	FAC	
3. <u>Rudbeckia laciniata</u>	15	N	FAC	
4. <u>Cynodon dactylon</u>	15	N	FACU	
5. _____	_____	_____	_____	
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
8. _____	_____	_____	_____	
9. _____	_____	_____	_____	
10. _____	_____	_____	_____	
110.0 =Total Cover				
Woody Vine Stratum (Plot size: <u>30' radius</u> )	Absolute % Cover	Dominant Species?	Indicator Status	<b>Hydrophytic Vegetation Present?</b> Yes _____ No <input checked="" type="checkbox"/>
1. _____	_____	_____	_____	
2. _____	_____	_____	_____	
0 =Total Cover				
% Bare Ground in Herb Stratum _____				

Remarks:

**SOIL**

Sampling Point: UPL-02

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>		
0-14	7.5YR	3/3	100				FSL	Compacted

<sup>1</sup>Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains. <sup>2</sup>Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)	Indicators for Problematic Hydric Soils <sup>3</sup> :
<input type="checkbox"/> Histosol (A1)	<input type="checkbox"/> 1 cm Muck (A9) (LRR I, J)
<input type="checkbox"/> Histic Epipedon (A2)	<input type="checkbox"/> High Plains Depressions (F16)
<input type="checkbox"/> Black Histic (A3)	<b>(LRR H outside of MLRA 72 &amp; 73)</b>
<input type="checkbox"/> Hydrogen Sulfide (A4)	<input type="checkbox"/> Reduced Vertic (F18)
<input type="checkbox"/> Stratified Layers (A5) (LRR F)	<input type="checkbox"/> Red Parent Material (F21)
<input type="checkbox"/> 1 cm Muck (A9) (LRR F, G, H)	<input type="checkbox"/> Very Shallow Dark Surface (F22)
<input type="checkbox"/> Depleted Below Dark Surface (A11)	<input type="checkbox"/> Other (Explain in Remarks)
<input type="checkbox"/> Thick Dark Surface (A12)	
<input type="checkbox"/> Iron Monosulfide (A18)	
<input type="checkbox"/> Sandy Mucky Mineral (S1)	
<input type="checkbox"/> 2.5 cm Mucky Peat or Peat (S2) (LRR G, H)	
<input type="checkbox"/> 5 cm Mucky Peat or Peat (S3) (LRR F)	
<input type="checkbox"/> Sandy Gleyed Matrix (S4)	
<input type="checkbox"/> Sandy Redox (S5)	
<input type="checkbox"/> Stripped Matrix (S6)	
<input type="checkbox"/> Loamy Mucky Mineral (F1)	
<input type="checkbox"/> Loamy Gleyed Matrix (F2)	
<input type="checkbox"/> Depleted Matrix (F3)	
<input type="checkbox"/> Redox Dark Surface (F6)	
<input type="checkbox"/> Depleted Dark Surface (F7)	
<input type="checkbox"/> Redox Depressions (F8)	
<input type="checkbox"/> High Plains Depressions (F16)	

<sup>3</sup>Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

<b>Restrictive Layer (if observed):</b> Type: _____ Depth (inches): _____	<b>Hydric Soil Present?</b> Yes _____ No <input checked="" type="checkbox"/>
---	--

Remarks:

**HYDROLOGY**

Wetland Hydrology Indicators:	Primary Indicators (minimum of one is required; check all that apply)	Secondary Indicators (minimum of two required)
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Salt Crust (B11)	<input type="checkbox"/> Surface Soil Cracks (B6)
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Invertebrates (B13)	<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Drainage Patterns (B10)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Dry-Season Water Table (C2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<b>(where tilled)</b>
<input type="checkbox"/> Drift Deposits (B3)	<b>(where not tilled)</b>	<input type="checkbox"/> Crayfish Burrows (C8)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)	<input type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> FAC-Neutral Test (D5)
<input type="checkbox"/> Water-Stained Leaves (B9)		<input type="checkbox"/> Frost-Heave Hummocks (D7) (LRR F)

<b>Field Observations:</b> Surface Water Present?    Yes _____ No <input checked="" type="checkbox"/> Depth (inches): _____ Water Table Present?      Yes _____ No <input checked="" type="checkbox"/> Depth (inches): _____ Saturation Present?        Yes _____ No <input checked="" type="checkbox"/> Depth (inches): _____ (includes capillary fringe)	<b>Wetland Hydrology Present?</b> Yes _____ No <input checked="" type="checkbox"/>
--	--

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:



Photograph 1: UPL-01, facing east



Photograph 2: UPL-01, facing west

Beetlejuice Station Project



Representative Photographs  
September 2025



Photograph 3: UPL-01, facing south



Photograph 4: UPL-02, facing southwest

Beetlejuice Station Project



Representative Photographs  
September 2025



Photograph 5: UPL-02, facing northeast

Beetlejuice Station Project



Representative Photographs  
September 2025



## RESUME OF QUALIFICATIONS



### Liz Carner, PWS

#### Co-Founder, Senior Scientist, Project Manager

Liz Carner offers over 20 years of experience as both an independent natural resources consultant and an ecologist for private environmental consultant companies. At On Pointe Consulting, Ms. Carner strives to provide the highest quality field data and act as a liaison between her clients and regulatory agencies, to both protect natural resources while also providing for development and recreational opportunities. Ms. Carner has been certified by the Society of Wetland Scientists as a Professional Wetland Scientist (PWS) (**Certificate #2450**) and will deliver quality, *on pointe* data using a variety of data collection methodologies and standards. She has successfully completed biological field surveys throughout many regions in the U.S., including the Arid West, Intermountain West, Great Plains, Mid Atlantic, Midwest, and the southeast U.S.

Ms. Carner's experience as a field biologist is varied and includes a wide range of field survey skills. She excels at managing and conducting wetland and watercourse delineations and district-specific functional assessments, utilizing applicable U.S. Army Corps of Engineers (USACE) Regional Supplements. She is very familiar with the USACE's current interpretations of jurisdiction under Section 401/404 of the Clean Water Act and will make recommendations to clients for permitting and mitigation requirements. She has conducted wildlife and plant habitat assessments for federal and state threatened and endangered (T&E) species and migratory birds, as well as developed protocols for and completed Migratory Bird Treaty Act (MBTA) nest surveys and monitoring. She has performed wildlife and rare plant species surveys for identification and inventory purposes. Ms. Carner can perform baseline vegetation inventories, vegetation monitoring, and vegetation community mapping using a variety of quantitative and qualitative vegetation sampling methods, including quadrat, Daubenmire, line-intercept, belt transect, and timed-meander search methods.

Once field surveys have been completed, Ms. Carner is proficient at authoring technical reports to summarize field data collection methodologies and results. She is familiar with the reporting requirements for National Environmental Policy Act (NEPA) documentation, including Categorical Exclusions, Letters of Permission, Environmental Assessments, and Environmental Impact Statements. She has provided written documentation of wetland delineations, wetland functional assessments, T&E habitat assessments, MBTA clearance surveys, and vegetation assessments for USACE Nationwide Permits and Individual Permits.

Ms. Carner has extensive experience managing natural resource projects. She will make project design recommendations to minimize impacts and save time and budget. She can manage the logistics of large projects and supervision of several field crews throughout the duration of the project. Ms. Carner can help clients navigate through the regulations applicable to their projects and obtain permits in a timely manner while adhering to the project schedule and budget.

Ms. Carner co-founded On Pointe Consulting in order to provide clients with high quality, science-based field survey data and manage projects with an eye for detail and the best interests of both the client and the environment in mind.

#### Education

B.S., Environmental and Forest Biology 2003  
SUNY College of Environmental Science and Forestry Syracuse, NY

#### Capabilities

- Wetland Delineation Surveys
- District-Specific Wetland Functional Assessments
- T&E Surveys and Habitat Assessments
- Avian & MBTA Clearance Surveys
- Vegetation Surveys & Monitoring
- Biological Monitoring
- Field Survey Coordination & Management
- Data Management and QA/QC
- Project and Task Management
- Environmental Regulatory Report Writing & Permitting
- Agency Coordination

#### Certifications & Trainings

- Professional Wetland Scientist (PWS), Society of Wetland Scientists
- USACE Wetland Delineation Cert. of Training (40hr course)
- Functional Assessments and HGM for Wetlands
- Advanced Hydrology for Jurisdictional Determinations
- Advanced Hydric Soils
- Identification of OHWM/Bankfull for USACE Permitting
- BLM Special Status Plant Species Identification Training, Carlsbad, NM Field Office



## RESUME OF QUALIFICATIONS

Liz Carner

### Representative Project Experience (Additional Projects Available on Request)

#### **Wetland Delineation and Listed Species Assessment: GreenView Logistics Project. Navajo Nation.**

Ms. Carner conducted and managed wetland delineation and listed species habitat assessments for the GreenView Logistics project, which was partially located within the Navajo Nation in New Mexico and Arizona. She used the Arid West USACE Regional Supplement to assess potential waterways and wetlands, identified and mapped the locations of listed noxious weed species, and evaluated potential habitat for state and federally listed wildlife and plant species, as well as species identified as species of concern by the Navajo Nation.

#### **Wetland Delineation and T&E Habitat Assessment: Double E Pipeline Project. New Mexico and West Texas.**

Ms. Carner conducted wetland and stream delineations, and various studies for a proposed 135-mile FERC-regulated pipeline. She used the Arid West and Great Plains USACE Regional supplements to assess waterways and wetlands and conducted habitat assessments for threatened and endangered species/habitats, raptor and migratory bird nests, noxious weeds, and biological monitoring and trench monitoring during construction. Western burrowing owls and other migratory birds were also nesting at project areas and were buffered/monitored during project construction.

#### **Wetland Delineation and T&E Habitat Assessment: Double E Lateral Projects. New Mexico.**

Ms. Carner managed and conducted wetland and stream delineations, and various studies for multiple laterals to the 135-mile FERC regulated Double E pipeline. She used the Arid West and Great Plains USACE Regional supplements to assess waterways and wetlands and conducted habitat assessments for threatened and endangered species/habitats, raptor and migratory bird nests and noxious weeds. She conducted surveys for the recently listed Dunes Sagebrush Lizard and Lesser Prairie Chicken and coordinated with BLM and USFWS to minimize and mitigate project impacts to these species. Western burrowing owls and other migratory birds were also nesting at project areas and were buffered/monitored during project construction.

#### **Wetland Delineation and T&E Habitat Assessment: Confidential Pipeline Project. New Mexico and West Texas.**

Ms. Carner conducted wetland and stream delineations, and various studies for a proposed multiple gathering line laterals in New Mexico and West Texas. She used the Arid West and Great Plains USACE Regional Supplements to assess potential waterways and wetlands, identified and mapped the locations of listed noxious weed species, and evaluated potential habitat for state and federally listed wildlife and plant species. She coordinated with the USACE and USFWS for permit approval.

#### **Confidential Solar Energy Projects for Wetland Delineation Services and T&E Habitat Assessment. Colorado.**

Ms. Carner biologists provided baseline site assessments and wetland delineation services on two proposed large-scale solar farm sites, totaling over 6,000 acres near Pueblo, Colorado. Approximately 9 miles of stream banks and adjacent riparian habitat were delineated, 200 acres of black-tailed prairie dog colonies were mapped, and 1,000s of acres of short and mixed-grass rangeland were assessed and photo documented. Habitat was assessed for T&E species and species of concern and potential avian nesting habitat was documented.



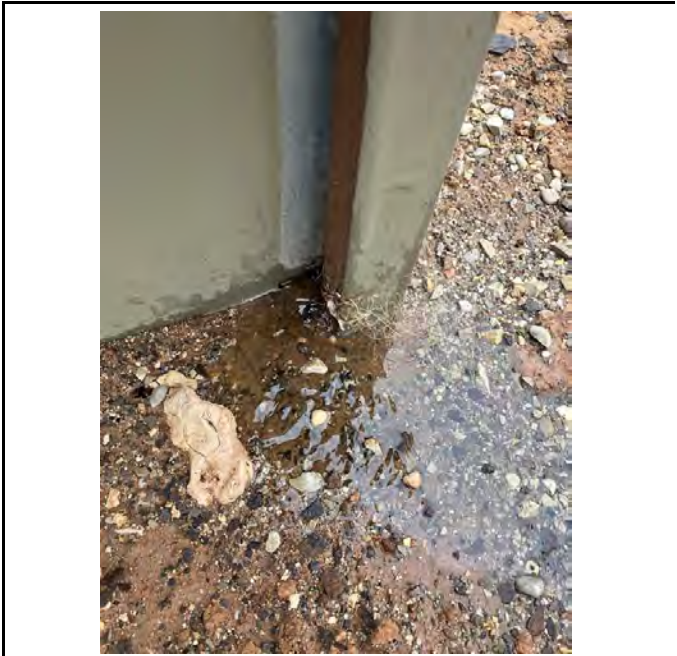
## APPENDIX D

### Photographic Log



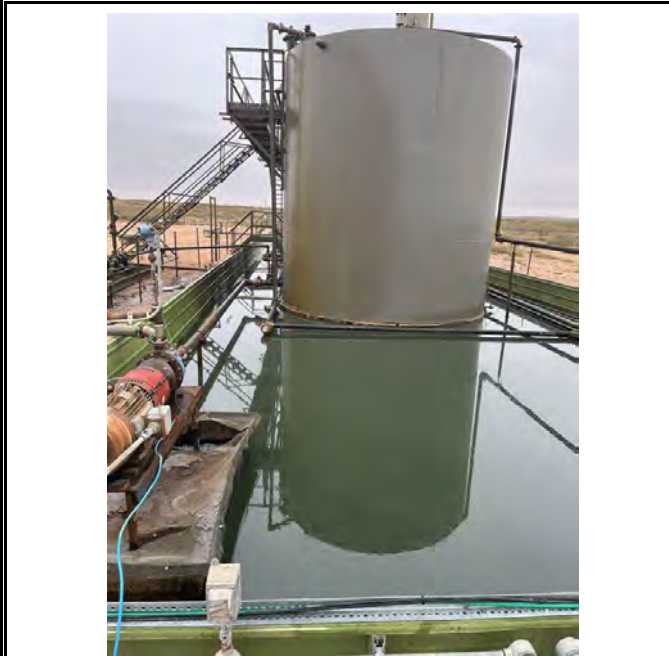


**Photographic Log**  
Devon Energy Production Company, LP  
Beetle Juice 19 Fed 3H  
nAPP2434152111



Photograph 1                      Date: 12/6/2024  
Description: Initial Release  
View: NA

Photograph 2                      Date: 12/6/2024  
Description: Initial Release  
View: NA



Photograph 3                      Date: 12/6/2024  
Description: Initial Release  
View: NA

Photograph 4                      Date: 12/6/2024  
Description: Initial Release  
View: NA



Photographic Log

Devon Energy Production Company, LP  
Beetle Juice 19 Fed 3H  
nAPP2434152111



Site signage  
Ensolum, LLC  
Beetle Juice 19 FED 3H Battery  
11 Dec 2024 - 09:49:13



Spill area  
Ensolum, LLC  
Beetle Juice 19 FED 3H Battery  
11 Dec 2024 - 09:47:05

Photograph 5  
Date: 12/11/2024  
Description: Signage  
View: Southeast

Photograph 6  
Date: 12/11/2024  
Description: Spill Area  
View: Southeast



Spill area  
Ensolum, LLC  
Beetle Juice 19 FED 3H Battery  
11 Dec 2024, 09:46:33



Containment  
Ensolum, LLC  
Beetle Juice 19 FED 3H Battery  
11 Dec 2024, 09:53:05

Photograph 7  
Date: 12/11/2024  
Description: Spill Area  
View: Southeast

Photograph 8  
Date: 12/11/2024  
Description: Containment  
View: South



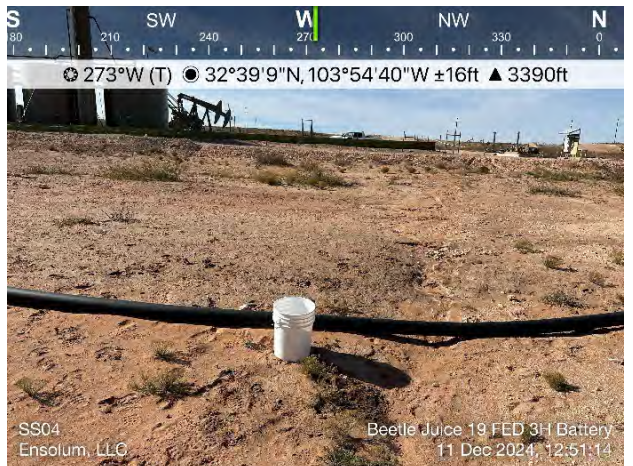
**Photographic Log**

Devon Energy Production Company, LP  
 Beetle Juice 19 Fed 3H  
 nAPP2434152111



Photograph 9 Date: 12/11/2024  
 Description: SS01  
 View: Southeast

Photograph 10 Date: 12/11/2024  
 Description: SS02  
 View: Southwest



Photograph 11 Date: 12/11/2024  
 Description: SS03  
 View: West

Photograph 12 Date: 12/11/2024  
 Description: SS04  
 View: West



**Photographic Log**  
 Devon Energy Production Company, LP  
 Beetle Juice 19 Fed 3H  
 nAPP2434152111



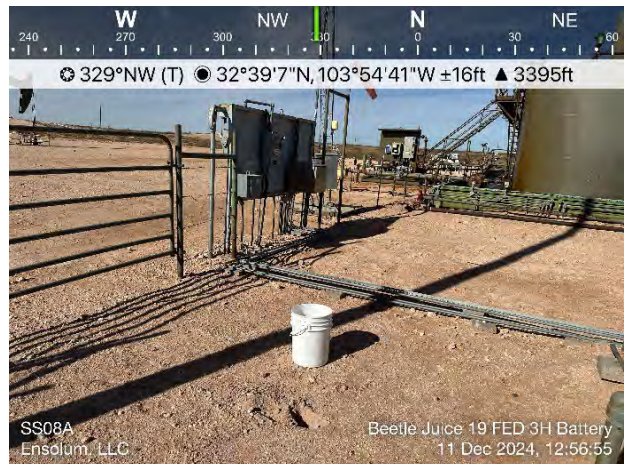
Photograph 13 Date: 12/11/2024  
 Description: SS05  
 View: West



Photograph 14 Date: 12/11/2024  
 Description: SS07  
 View: East



Photograph 15 Date: 12/11/2024  
 Description: SS08  
 View: Northwest



Photograph 16 Date: 12/11/2024  
 Description: SS08A  
 View: Northwest

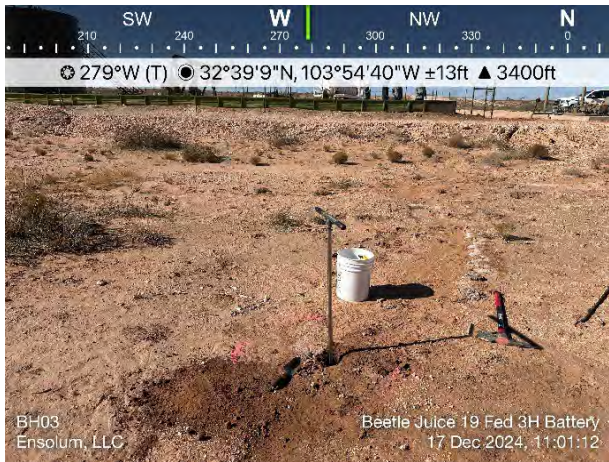


**Photographic Log**  
 Devon Energy Production Company, LP  
 Beetle Juice 19 Fed 3H  
 nAPP2434152111



Photograph 17 Date: 12/17/2024  
 Description: BH01  
 View: South

Photograph 18 Date: 12/17/2024  
 Description: BH02  
 View: Southwest

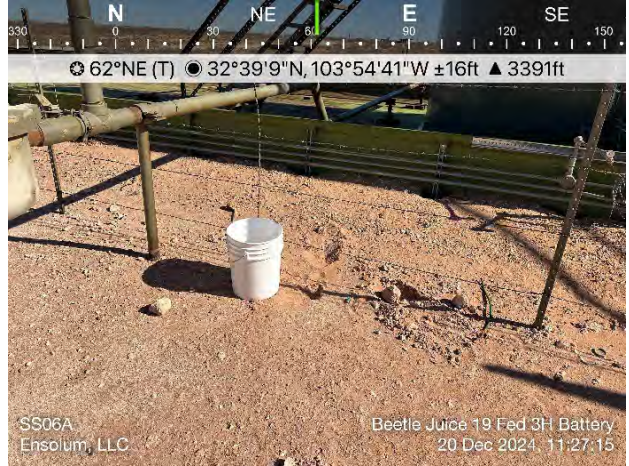


Photograph 19 Date: 12/17/2024  
 Description: BH03  
 View: West

Photograph 20 Date: 12/17/2024  
 Description: BH04  
 View: East



**Photographic Log**  
 Devon Energy Production Company, LP  
 Beetle Juice 19 Fed 3H  
 nAPP2434152111



Photograph 21 Date: 12/17/2024  
 Description: BH05  
 View: East

Photograph 22 Date: 12/20/2024  
 Description: SS06A  
 View: Northeast



Photograph 23 Date: 12/20/2024  
 Description: Hole  
 View: Southwest

Photograph 24 Date: 12/20/2024  
 Description: Liner  
 View: South



**Photographic Log**  
 Devon Energy Production Company, LP  
 Beetle Juice 19 Fed 3H  
 nAPP2434152111



Photograph 25 Date: 12/20/2024  
 Description: Liner  
 View: North

Photograph 26 Date: 12/20/2024  
 Description: Liner  
 View: Northwest

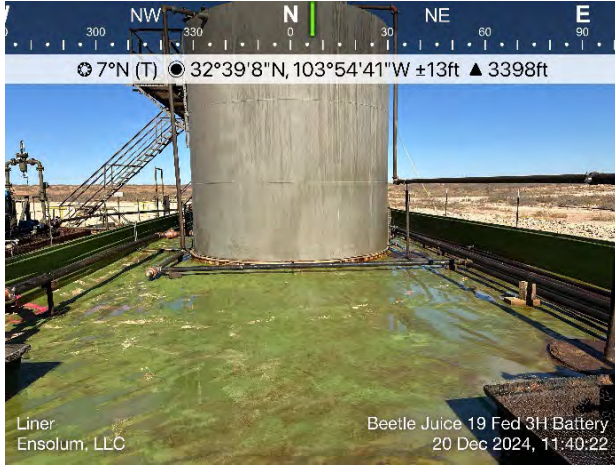


Photograph 27 Date: 12/20/2024  
 Description: Liner  
 View: Southwest

Photograph 28 Date: 12/20/2024  
 Description: Liner  
 View: West



**Photographic Log**  
 Devon Energy Production Company, LP  
 Beetle Juice 19 Fed 3H  
 nAPP2434152111



Photograph 29 Date: 12/20/2024  
 Description: Liner  
 View: North

Photograph 30 Date: 12/20/2024  
 Description: Liner  
 View: Northeast

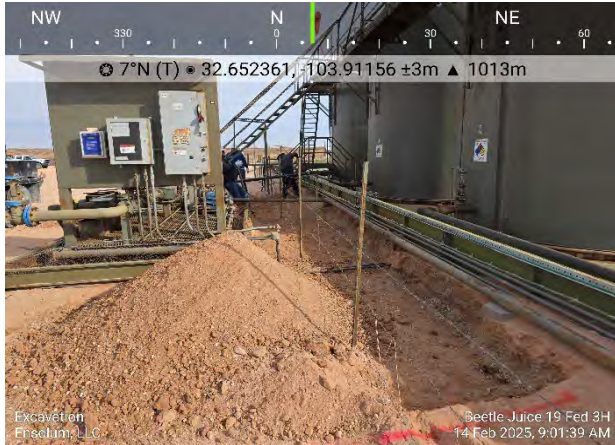


Photograph 31 Date: 12/20/2024  
 Description: Liner  
 View: Southeast

Photograph 32 Date: 12/20/2024  
 Description: Liner  
 View: Southeast



**Photographic Log**  
 Devon Energy Production Company, LP  
 Beetle Juice 19 Fed 3H  
 nAPP2434152111



Photograph 33 Date: 2/14/2025  
 Description: Excavation  
 View: North

Photograph 34 Date: 2/14/2025  
 Description: Excavation  
 View: Southeast



Photograph 35 Date: 2/18/2025  
 Description: Excavation  
 View: Northeast

Photograph 36 Date: 2/18/2025  
 Description: Excavation  
 View: Northwest



**Photographic Log**

Devon Energy Production Company, LP  
Beetle Juice 19 Fed 3H  
nAPP2434152111



Photograph 37 Date: 2/19/2025  
Description: Excavation  
View: Southeast

Photograph 38 Date: 2/19/2025  
Description: Excavation  
View: Southeast



Photograph 39 Date: 2/20/2025  
Description: Excavation  
View: Northeast

Photograph 40 Date: 2/20/2025  
Description: Excavation  
View: Southeast



**Photographic Log**  
Devon Energy Production Company, LP  
Beetle Juice 19 Fed 3H  
nAPP2434152111



Photograph 41  
Date: 3/5/2025  
Description: Liner patch  
View: West

Photograph 42  
Date: 12/16/2025  
Description: Delineation BH08  
View: East



Photograph 43  
Date: 12/16/2025  
Description: Liner patch  
View: Northeast


Photograph 44  
Date: 1/28/2026  
Description: Depth to water  
View: East





## APPENDIX E


# Lithologic Soil Sampling Logs


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					Sample Name: BH01		Date: 12/17/24	
					Site Name: Beetle Juice 19 Fed 3H Battery			
					Incident Number: nAPP2434152111			
					Job Number: 03A 1987153			
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>					Logged By: Oluwale Aderinto		Method: Hand auger	
Coordinates: 32.652744, -103.911519					Hole Diameter: 3"		Total Depth: 2'	
Comments: Field screening conducted with Mohr titration method for chloride. Chloride test performed with 1:1 dilution factor of soil to distilled water. No correction factors included.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
M			Y	BH01	0	0	SP-SM	Poorly graded sand with silt and gravel, Non-cohesive, non-plastic, medium brown
M	300		N	BH01	1	1		
M	300		N	BH01	2	2	SP-SC	Poorly graded sand with clay and gravel, low plasticity, dark brown.
Total depth = 2 feet								


					Sample Name: BH02		Date: 12/17/24			
					Site Name: Beetle Juice 19 Fed 3H Battery					
					Incident Number: nAPP2434152111					
					Job Number: 03A 1987153					
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>					Logged By: Oluwale Aderinto		Method: Hand auger			
Coordinates: 32.652734, -103.911435					Hole Diameter: 3"		Total Depth: 2'			
Comments: Field screening conducted with Mohr titration method for chloride. Chloride test performed with 1:1 dilution factor of soil to distilled water. No correction factors included.										
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions		
M			Y	BH02	0	0	SP-SM	Poorly graded sand with silt and gravel, Non-cohesive, non-plastic, medium brown		
M	300		N	BH02	1	1				
M	300		N	BH02	2	2	SP-SC	Poorly graded sand with clay and gravel, low plasticity, dark brown.		
Total depth = 2 feet										


					Sample Name: BH03		Date: 12/17/24	
					Site Name: Beetle Juice 19 Fed 3H Battery			
					Incident Number: nAPP2434152111			
					Job Number: 03A 1987153			
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>					Logged By: Oluwale Aderinto		Method: Hand auger	
Coordinates: 32.652663, -103.911241					Hole Diameter: 3"		Total Depth: 2'	
Comments: Field screening conducted with Mohr titration method for chloride. Chloride test performed with 1:1 dilution factor of soil to distilled water. No correction factors included.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
M			Y	BH03	0	0	SP-SM	Poorly graded sand with silt and gravel, Non-cohesive, non-plastic, medium brown
M	300		N	BH03	1	1		
M	300		N	BH03	2	2	SP-SC	Poorly graded sand with clay and gravel, low plasticity, dark brown.
Total depth = 2 feet								

					Sample Name: BH04		Date: 12/17/24	
					Site Name: Beetle Juice 19 Fed 3H Battery			
					Incident Number: nAPP2434152111			
					Job Number: 03A1987153			
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>					Logged By: Oluwale Aderinto		Method: Hand auger	
Coordinates: 32.652410, -103.911644					Hole Diameter: 3"		Total Depth: 1'	
Comments: Field screening conducted with Morh for chloride. Chloride test performed with 1:1 dilution factor of soil to distilled water. No correction factors included.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D			Y	BH04	0	0		
D	350		N	BH04	0.5		CCHE	Pad Caliche, tan
D			N	BH04	1	1		
Total depth = 1 feet								

					Sample Name: BH05		Date: 12/17/24	
					Site Name: Beetle Juice 19 Fed 3H Battery			
					Incident Number: nAPP2434152111			
					Job Number: 03A1987153			
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>					Logged By: Oluwale Aderinto		Method: Hand auger	
Coordinates: 32.652439, -103.911572					Hole Diameter: 3"		Total Depth: 1'	
Comments: Field screening conducted with Morh for chloride. Chloride test performed with 1:1 dilution factor of soil to distilled water. No correction factors included.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D			Y	BH05	0	0		Poorly graded sand with silt, non-cohesive, non-plastic, light brown.
D	350		N	BH05	0.5		SP-SM	
D			N	BH05	1	1		
Total depth = 1 feet								

						Sample Name: BH06		Date: 2/20/25	
						Site Name: Beetle Juice 19 Fed 3H Battery			
						Incident Number: nAPP2434152111			
						Job Number: 03A1987153			
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>						Logged By: Oluwale Aderinto		Method: Hand auger	
Coordinates: 32.652376, -103.911559						Hole Diameter: 3"		Total Depth: 2	
Comments: Field screening conducted with HACH Chloride Test Strips. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.									
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions	
						0			
						1			
						2			
						3			
M	1,982		N		4	4			
M	2,296		N		5	5			
M	1,842		N		6	6			
M	996		N		7	7	SP-SM	Brown, poorly grade sand with silt, non-pliable, non-plastice.	
M	918		N		8	8			
D	700		N		9	9			
D	364		N		10	10			
Total depth = 10'									

					Sample Name: BH07		Date: 2/20/25	
					Site Name: Beetle Juice 19 Fed 3H Battery			
					Incident Number: nAPP2434152111			
					Job Number: 03A1987153			
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>					Logged By: Oluwale Aderinto		Method: Hand auger	
Coordinates: 32.652724, -103.911455					Hole Diameter: 3"		Total Depth: 2	
Comments: Field screening conducted with HACH Chloride Test Strips. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
					0			
					1			
M	ND		N		2	2	SP-SM	Brown, poorly graded sand with silt, non-pliable, non-plastic
Total depth = 2'								

								Sample Name:	Date: 12/30/25
								Site Name: Beetle Juice 19 Fed 3H Battery	
								Incident Number: nAPP2434152111	
								Job Number: 03A 1987153	
<b>LITHOLOGIC / SOIL SAMPLING LOG</b>								Logged By: Eric Plugge	Method: Hand auger
Coordinates: 32.6527261, -103.9114598								Hole Diameter: 4"	Total Depth: 8'
Comments: Field screening conducted with HACH Chloride Test Strips and PetroFLAG for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.									
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions	
D			N	BH08	0	0	CCHE	Caliche - pad material, dry, staining, white/grey.	
D	<128		N		1	1	SP-SC	Poorly graded sand with clay and gravel, low plasticity, dark brown.	
D	<128		N	BH08	2	2			
D	482		N		3	3			
D	286	222	N	BH08	4	4			
D	840		N		5	5			
D	1,254		N	BH08	6	6			
D	734		N		7	7			
D	482	13	N	BH08	8	8			
Total Depth = 8'									



## APPENDIX F

# Laboratory Analytical Reports & Chain-of-Custody Documentation

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Report to:  
Ashley Giovengo



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

### Devon Energy - Carlsbad

Project Name: Beetle Juice 19 Fed 3H Battery

Work Order: E412105

Job Number: 01058-0007

Received: 12/13/2024

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
12/18/24

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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

Date Reported: 12/18/24



Ashley Giovengo  
6488 7 Rivers Hwy  
Artesia, NM 88210

Project Name: Beetle Juice 19 Fed 3H Battery  
Workorder: E412105  
Date Received: 12/13/2024 8:00:04AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/13/2024 8:00:04AM, under the Project Name: Beetle Juice 19 Fed 3H Battery.

The analytical test results summarized in this report with the Project Name: Beetle Juice 19 Fed 3H Battery apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

**Walter Hinchman**  
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### Sample Summary

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 12/18/24 09:53
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS01 - 0'	E412105-01A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
SS02 - 0'	E412105-02A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
SS03 - 0'	E412105-03A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
SS04 - 0'	E412105-04A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
SS05 - 0'	E412105-05A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
SS07 - 0'	E412105-06A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
SS08 - 0'	E412105-07A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.



### Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 12/18/2024 9:53:38AM
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SS01 - 0'

E412105-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2450133
Benzene	ND	0.0250	1	12/13/24	12/15/24	
Ethylbenzene	ND	0.0250	1	12/13/24	12/15/24	
Toluene	ND	0.0250	1	12/13/24	12/15/24	
o-Xylene	ND	0.0250	1	12/13/24	12/15/24	
p,m-Xylene	ND	0.0500	1	12/13/24	12/15/24	
Total Xylenes	ND	0.0250	1	12/13/24	12/15/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		93.8 %	70-130	12/13/24	12/15/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2450133
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/24	12/15/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.8 %	70-130	12/13/24	12/15/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: NV		Batch: 2451003
Diesel Range Organics (C10-C28)	ND	25.0	1	12/16/24	12/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/16/24	12/16/24	
<i>Surrogate: n-Nonane</i>		115 %	50-200	12/16/24	12/16/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: DT		Batch: 2450125
Chloride	22.7	20.0	1	12/13/24	12/14/24	



### Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 12/18/2024 9:53:38AM
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SS02 - 0'

E412105-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2450133
Benzene	ND	0.0250	1	12/13/24	12/15/24	
Ethylbenzene	ND	0.0250	1	12/13/24	12/15/24	
Toluene	ND	0.0250	1	12/13/24	12/15/24	
o-Xylene	ND	0.0250	1	12/13/24	12/15/24	
p,m-Xylene	ND	0.0500	1	12/13/24	12/15/24	
Total Xylenes	ND	0.0250	1	12/13/24	12/15/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		93.2 %	70-130	12/13/24	12/15/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2450133
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/24	12/15/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.2 %	70-130	12/13/24	12/15/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2451003
Diesel Range Organics (C10-C28)	ND	25.0	1	12/16/24	12/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/16/24	12/16/24	
<i>Surrogate: n-Nonane</i>						
		113 %	50-200	12/16/24	12/16/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2450125
Chloride	311	20.0	1	12/13/24	12/14/24	



### Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 12/18/2024 9:53:38AM
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SS03 - 0'

E412105-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2450133
Benzene	ND	0.0250	1	12/13/24	12/15/24	
Ethylbenzene	ND	0.0250	1	12/13/24	12/15/24	
Toluene	ND	0.0250	1	12/13/24	12/15/24	
o-Xylene	ND	0.0250	1	12/13/24	12/15/24	
p,m-Xylene	ND	0.0500	1	12/13/24	12/15/24	
Total Xylenes	ND	0.0250	1	12/13/24	12/15/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		92.6 %	70-130	12/13/24	12/15/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2450133
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/24	12/15/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.7 %	70-130	12/13/24	12/15/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2451003
Diesel Range Organics (C10-C28)	ND	25.0	1	12/16/24	12/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/16/24	12/16/24	
<i>Surrogate: n-Nonane</i>						
		114 %	50-200	12/16/24	12/16/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2450125
Chloride	ND	20.0	1	12/13/24	12/14/24	



### Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 12/18/2024 9:53:38AM
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SS04 - 0'

E412105-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2450133
Benzene	ND	0.0250	1	12/13/24	12/15/24	
Ethylbenzene	ND	0.0250	1	12/13/24	12/15/24	
Toluene	ND	0.0250	1	12/13/24	12/15/24	
o-Xylene	ND	0.0250	1	12/13/24	12/15/24	
p,m-Xylene	ND	0.0500	1	12/13/24	12/15/24	
Total Xylenes	ND	0.0250	1	12/13/24	12/15/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		92.1 %	70-130	12/13/24	12/15/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2450133
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/24	12/15/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.1 %	70-130	12/13/24	12/15/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: NV		Batch: 2451003
Diesel Range Organics (C10-C28)	ND	25.0	1	12/16/24	12/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/16/24	12/16/24	
<i>Surrogate: n-Nonane</i>		114 %	50-200	12/16/24	12/16/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: DT		Batch: 2450125
Chloride	ND	20.0	1	12/13/24	12/14/24	



### Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 12/18/2024 9:53:38AM
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SS05 - 0'

E412105-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2450133
Benzene	ND	0.0250	1	12/13/24	12/15/24	
Ethylbenzene	ND	0.0250	1	12/13/24	12/15/24	
Toluene	ND	0.0250	1	12/13/24	12/15/24	
o-Xylene	ND	0.0250	1	12/13/24	12/15/24	
p,m-Xylene	ND	0.0500	1	12/13/24	12/15/24	
Total Xylenes	ND	0.0250	1	12/13/24	12/15/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		91.5 %	70-130	12/13/24	12/15/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2450133
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/24	12/15/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.2 %	70-130	12/13/24	12/15/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: NV		Batch: 2451003
Diesel Range Organics (C10-C28)	ND	25.0	1	12/16/24	12/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/16/24	12/16/24	
<i>Surrogate: n-Nonane</i>		117 %	50-200	12/16/24	12/16/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: DT		Batch: 2450125
Chloride	86.6	20.0	1	12/13/24	12/14/24	



### Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 12/18/2024 9:53:38AM
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SS07 - 0'

E412105-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2450133
Benzene	ND	0.0250	1	12/13/24	12/15/24	
Ethylbenzene	ND	0.0250	1	12/13/24	12/15/24	
Toluene	ND	0.0250	1	12/13/24	12/15/24	
o-Xylene	ND	0.0250	1	12/13/24	12/15/24	
p,m-Xylene	ND	0.0500	1	12/13/24	12/15/24	
Total Xylenes	ND	0.0250	1	12/13/24	12/15/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		91.1 %	70-130	12/13/24	12/15/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2450133
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/24	12/15/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.7 %	70-130	12/13/24	12/15/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: NV		Batch: 2451003
Diesel Range Organics (C10-C28)	ND	25.0	1	12/16/24	12/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/16/24	12/16/24	
<i>Surrogate: n-Nonane</i>		120 %	50-200	12/16/24	12/16/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: DT		Batch: 2450125
Chloride	43.7	20.0	1	12/13/24	12/14/24	



### Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 12/18/2024 9:53:38AM
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SS08 - 0'

E412105-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2450133
Benzene	ND	0.0250	1	12/13/24	12/15/24	
Ethylbenzene	ND	0.0250	1	12/13/24	12/15/24	
Toluene	ND	0.0250	1	12/13/24	12/15/24	
o-Xylene	ND	0.0250	1	12/13/24	12/15/24	
p,m-Xylene	ND	0.0500	1	12/13/24	12/15/24	
Total Xylenes	ND	0.0250	1	12/13/24	12/15/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		90.8 %	70-130	12/13/24	12/15/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2450133
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/24	12/15/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.1 %	70-130	12/13/24	12/15/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: NV		Batch: 2451003
Diesel Range Organics (C10-C28)	ND	25.0	1	12/16/24	12/16/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/16/24	12/16/24	
<i>Surrogate: n-Nonane</i>		118 %	50-200	12/16/24	12/16/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: DT		Batch: 2450125
Chloride	499	20.0	1	12/13/24	12/14/24	



### QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 12/18/2024 9:53:38AM
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#### Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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#### Blank (2450133-BLK1)

Prepared: 12/13/24 Analyzed: 12/15/24

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	7.59		8.00		94.8	70-130			

#### LCS (2450133-BS1)

Prepared: 12/13/24 Analyzed: 12/15/24

Benzene	5.63	0.0250	5.00		113	70-130			
Ethylbenzene	5.45	0.0250	5.00		109	70-130			
Toluene	5.55	0.0250	5.00		111	70-130			
o-Xylene	5.44	0.0250	5.00		109	70-130			
p,m-Xylene	11.1	0.0500	10.0		111	70-130			
Total Xylenes	16.5	0.0250	15.0		110	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.66		8.00		95.8	70-130			

#### LCS Dup (2450133-BSD1)

Prepared: 12/13/24 Analyzed: 12/18/24

Benzene	5.50	0.0250	5.00		110	70-130	2.41	20	
Ethylbenzene	5.32	0.0250	5.00		106	70-130	2.38	20	
Toluene	5.43	0.0250	5.00		109	70-130	2.20	20	
o-Xylene	5.34	0.0250	5.00		107	70-130	1.99	20	
p,m-Xylene	10.8	0.0500	10.0		108	70-130	2.73	20	
Total Xylenes	16.1	0.0250	15.0		107	70-130	2.48	20	
Surrogate: 4-Bromochlorobenzene-PID	7.62		8.00		95.2	70-130			



### QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 12/18/2024 9:53:38AM
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#### Nonhalogenated Organics by EPA 8015D - GRO

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 (2450133-BLK1)**

Prepared: 12/13/24 Analyzed: 12/15/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.33		8.00		91.6	70-130			

**LCS (2450133-BS2)**

Prepared: 12/13/24 Analyzed: 12/15/24

Gasoline Range Organics (C6-C10)	46.8	20.0	50.0		93.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.48		8.00		93.5	70-130			

**LCS Dup (2450133-BSD2)**

Prepared: 12/13/24 Analyzed: 12/15/24

Gasoline Range Organics (C6-C10)	43.2	20.0	50.0		86.4	70-130	8.04	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.41		8.00		92.6	70-130			



### QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 12/18/2024 9:53:38AM
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#### Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2451003-BLK1)**

Prepared: 12/16/24 Analyzed: 12/16/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	53.3		50.0		107	50-200			

**LCS (2451003-BS1)**

Prepared: 12/16/24 Analyzed: 12/16/24

Diesel Range Organics (C10-C28)	268	25.0	250		107	38-132			
Surrogate: n-Nonane	55.8		50.0		112	50-200			

**Matrix Spike (2451003-MS1)**

Source: E412114-03

Prepared: 12/16/24 Analyzed: 12/16/24

Diesel Range Organics (C10-C28)	275	25.0	250	ND	110	38-132			
Surrogate: n-Nonane	59.1		50.0		118	50-200			

**Matrix Spike Dup (2451003-MSD1)**

Source: E412114-03

Prepared: 12/16/24 Analyzed: 12/16/24

Diesel Range Organics (C10-C28)	291	25.0	250	ND	116	38-132	5.48	20	
Surrogate: n-Nonane	59.4		50.0		119	50-200			



### QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 12/18/2024 9:53:38AM
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#### Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2450125-BLK1)**

Prepared: 12/13/24 Analyzed: 12/14/24

Chloride	ND	20.0							
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**LCS (2450125-BS1)**

Prepared: 12/13/24 Analyzed: 12/14/24

Chloride	250	20.0	250		100	90-110			
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**LCS Dup (2450125-BSD1)**

Prepared: 12/13/24 Analyzed: 12/14/24

Chloride	250	20.0	250		100	90-110	0.141	20	
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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 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 12/18/24 09:53
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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.



<b>Client Information</b>				<b>Invoice Information</b>				<b>Lab Use Only</b>				<b>TAT</b>				<b>State</b>			
Client: Devon				Company: Devon Energy				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX
Project: Beetle Juice 19 fed 3H Battery				Address: 5315 Buena Vista Dr				E 412105		E1051-007					X	X			
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: (575)689-7597															
City, State, Zip: Carlsbad NM, 88220				Email: jim.raley@dvn.com															
Phone: 575-988-0055				Miscellaneous: Jim Raley															
Email: agiovengo@ensolum.com																			

Sample Information										Analysis and Method								EPA Program			Remarks
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field	Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA			
Compliance																Y	or	N			
10:00	12/11/2024	S	1	SS01 - 0'			1						X								
10:02	12/11/2024	S	1	SS02 - 0'			2						X								
10:03	12/11/2024	S	1	SS03 - 0'			3						X								
10:05	12/11/2024	S	1	SS04 - 0'			4						X								
10:07	12/11/2024	S	1	SS05 - 0'			5						X								
11:57	12/11/2024	S	1	SS07 - 0'			6						X								
11:38	12/11/2024	S	1	SS08 - 0'			7						X								

**Additional Instructions:** Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@dvn.com, iestrella@ensolum.com, chamilton@ensolum.com, bsimmons@ensolum.com, oaderinto@ensolum.com

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

Sampled by: Cole Burton		Oluwale Aderinto			
Relinquished by: (Signature) Oluwale A. Aderinto	Date 12-12-24	Time 08:45	Received by: (Signature) Michelle Gonzales	Date 12-12-24	Time 0845
Relinquished by: (Signature) Michelle Gonzales	Date 12-12-24	Time 1615	Received by: (Signature) John J.	Date 12-12-24	Time 1615
Relinquished by: (Signature) John J.	Date 12-12-24	Time 2245	Received by: (Signature) Caitlin Mann	Date 12-12-24	Time 800
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other \_\_\_\_\_ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

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



### Envirotech Analytical Laboratory

Printed: 12/13/2024 11:09:26AM

#### Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Devon Energy - Carlsbad	Date Received:	12/13/24 08:00	Work Order ID:	E412105
Phone:	(505) 382-1211	Date Logged In:	12/12/24 16:06	Logged In By:	Noe Soto
Email:	agiovengo@ensolum.com	Due Date:	12/19/24 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

Carrier: Courier

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

#### 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? 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: Beetle Juice 19 Fed 3H Battery

Work Order: E412106

Job Number: 01058-0007

Received: 12/13/2024

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
12/18/24

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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

Date Reported: 12/18/24



Ashley Giovengo  
6488 7 Rivers Hwy  
Artesia, NM 88210

Project Name: Beetle Juice 19 Fed 3H Battery  
Workorder: E412106  
Date Received: 12/13/2024 8:00:04AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/13/2024 8:00:04AM, under the Project Name: Beetle Juice 19 Fed 3H Battery.

The analytical test results summarized in this report with the Project Name: Beetle Juice 19 Fed 3H Battery 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](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
Office: 505-632-1881  
[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)

Field Offices:

**Southern New Mexico Area**

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Laboratory Technical Representative  
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[ljjarboe@envirotech-inc.com](mailto:ljjarboe@envirotech-inc.com)

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

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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### Sample Summary

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 12/18/24 12:11
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS06 - 0'	E412106-01A	Soil	12/11/24	12/13/24	Glass Jar, 2 oz.



### Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 12/18/2024 12:11:56PM
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**SS06 - 0'**

**E412106-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2450127	
Benzene	ND	0.0250	1	12/13/24	12/14/24	
Ethylbenzene	ND	0.0250	1	12/13/24	12/14/24	
Toluene	ND	0.0250	1	12/13/24	12/14/24	
o-Xylene	ND	0.0250	1	12/13/24	12/14/24	
p,m-Xylene	ND	0.0500	1	12/13/24	12/14/24	
Total Xylenes	ND	0.0250	1	12/13/24	12/14/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		87.1 %	70-130	12/13/24	12/14/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2450127	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/24	12/14/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.3 %	70-130	12/13/24	12/14/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2450135	
Diesel Range Organics (C10-C28)	224	25.0	1	12/13/24	12/18/24	
Oil Range Organics (C28-C36)	290	50.0	1	12/13/24	12/18/24	
<i>Surrogate: n-Nonane</i>						
		135 %	50-200	12/13/24	12/18/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2450131	
Chloride	22.1	20.0	1	12/13/24	12/14/24	



### QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 12/18/2024 12:11:56PM
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#### Volatiles Organics by EPA 8021B

Analyst: RKS

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

**Blank (2450127-BLK1)**

Prepared: 12/13/24 Analyzed: 12/14/24

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	6.70		8.00		83.7	70-130			

**LCS (2450127-BS1)**

Prepared: 12/13/24 Analyzed: 12/14/24

Benzene	4.85	0.0250	5.00		97.0	70-130			
Ethylbenzene	4.63	0.0250	5.00		92.6	70-130			
Toluene	4.76	0.0250	5.00		95.2	70-130			
o-Xylene	4.62	0.0250	5.00		92.4	70-130			
p,m-Xylene	9.41	0.0500	10.0		94.1	70-130			
Total Xylenes	14.0	0.0250	15.0		93.6	70-130			
Surrogate: 4-Bromochlorobenzene-PID	6.80		8.00		85.0	70-130			

**LCS Dup (2450127-BSD1)**

Prepared: 12/13/24 Analyzed: 12/14/24

Benzene	4.91	0.0250	5.00		98.2	70-130	1.17	20	
Ethylbenzene	4.70	0.0250	5.00		93.9	70-130	1.37	20	
Toluene	4.81	0.0250	5.00		96.3	70-130	1.17	20	
o-Xylene	4.68	0.0250	5.00		93.6	70-130	1.23	20	
p,m-Xylene	9.54	0.0500	10.0		95.4	70-130	1.31	20	
Total Xylenes	14.2	0.0250	15.0		94.8	70-130	1.28	20	
Surrogate: 4-Bromochlorobenzene-PID	6.81		8.00		85.1	70-130			



### QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 12/18/2024 12:11:56PM
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#### Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec % %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2450127-BLK1)**

Prepared: 12/13/24 Analyzed: 12/14/24

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

**LCS (2450127-BS2)**

Prepared: 12/13/24 Analyzed: 12/14/24

Gasoline Range Organics (C6-C10)	41.8	20.0	50.0		83.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.63		8.00		95.4	70-130			

**LCS Dup (2450127-BSD2)**

Prepared: 12/13/24 Analyzed: 12/14/24

Gasoline Range Organics (C6-C10)	40.8	20.0	50.0		81.5	70-130	2.54	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.68		8.00		96.0	70-130			



### QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 12/18/2024 12:11:56PM
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#### Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2450135-BLK1)**

Prepared: 12/13/24 Analyzed: 12/14/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	51.0		50.0		102	50-200			

**LCS (2450135-BS1)**

Prepared: 12/13/24 Analyzed: 12/14/24

Diesel Range Organics (C10-C28)	270	25.0	250		108	38-132			
Surrogate: n-Nonane	54.1		50.0		108	50-200			

**Matrix Spike (2450135-MS1)**

Source: E412103-05

Prepared: 12/13/24 Analyzed: 12/14/24

Diesel Range Organics (C10-C28)	265	25.0	250	ND	106	38-132			
Surrogate: n-Nonane	54.7		50.0		109	50-200			

**Matrix Spike Dup (2450135-MSD1)**

Source: E412103-05

Prepared: 12/13/24 Analyzed: 12/14/24

Diesel Range Organics (C10-C28)	271	25.0	250	ND	109	38-132	2.34	20	
Surrogate: n-Nonane	54.4		50.0		109	50-200			



### QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 12/18/2024 12:11:56PM
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#### Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2450131-BLK1)**

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

Chloride	ND	20.0							
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**LCS (2450131-BS1)**

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

Chloride	257	20.0	250		103	90-110			
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**LCS Dup (2450131-BSD1)**

Prepared: 12/13/24 Analyzed: 12/14/24

Chloride	257	20.0	250		103	90-110	0.316	20	
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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 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 12/18/24 12:11
---	--	------------------------------------

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



Client Information				Invoice Information			Lab Use Only								TAT				State						
Client: Devon				Company: Devon Energy			Lab WO#		Job Number						1D	2D	3D	Std	NM	CO	UT	TX			
Project: Beetle Juice 19 fed 3H Battery				Address: 5315 Buena Vista Dr			E412106		01057-007									X	X						
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220																					
Address: 3122 National Parks Hwy				Phone: (575)689-7597																					
City, State, Zip: Carlsbad NM, 88220				Email: ijm.raley@dvn.com																					
Phone: 575-988-0055				Miscellaneous: Jim Raley																					
Email: agiovengo@ensolum.com																									
Sample Information										Analysis and Method								EPA Program							
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field	Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NIM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA	Compliance	Y	or	N	PWSID #	Remarks	
10:10	12/11/2024	S	1	SS06 - 0'			1						X												
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@dvn.com, iestrella@ensolum.com, chamilton@ensolum.com, bsimmons@ensolum.com oadexinto@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 / Oluwale Aderinto																									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.													
Oluwale A		12/12/24		08:45am		Michelle Gonzales		12-12-24		0845															
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time															
Michelle Gonzales		12-12-24		1615		John J.		12-12-24		1615															
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 T1 _____ T2 _____ T3 _____ AVG Temp °C 4													
John J.		12-12-24		2245		Caitlynn		12-13-24		800															
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time															
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA															
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																									

Envirotech Analytical Laboratory

Printed: 12/13/2024 11:14:25AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client: Devon Energy - Carlsbad Date Received: 12/13/24 08:00 Work Order ID: E412106
Phone: (505) 382-1211 Date Logged In: 12/12/24 16:14 Logged In By: Noe Soto
Email: agiovengo@ensolum.com Due Date: 12/19/24 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

Carrier: Courier

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

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? 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

Empty box for 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: Beetle Juice 19 Fed 3H Battery

Work Order: E412154

Job Number: 01058-0007

Received: 12/19/2024

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
12/29/24

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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



Date Reported: 12/29/24

Ashley Giovengo  
6488 7 Rivers Hwy  
Artesia, NM 88210

Project Name: Beetle Juice 19 Fed 3H Battery  
Workorder: E412154  
Date Received: 12/19/2024 7:45:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/19/2024 7:45:00AM, under the Project Name: Beetle Juice 19 Fed 3H Battery.

The analytical test results summarized in this report with the Project Name: Beetle Juice 19 Fed 3H Battery apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

**Walter Hinchman**  
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Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

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Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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### Sample Summary

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 12/29/24 12:34
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH01 - 0'	E412154-01A	Soil	12/17/24	12/19/24	Glass Jar, 2 oz.
BH01 - 1'	E412154-02A	Soil	12/17/24	12/19/24	Glass Jar, 2 oz.
BH02 - 0'	E412154-03A	Soil	12/17/24	12/19/24	Glass Jar, 2 oz.
BH02 - 1'	E412154-04A	Soil	12/17/24	12/19/24	Glass Jar, 2 oz.
BH03 - 0'	E412154-05A	Soil	12/17/24	12/19/24	Glass Jar, 2 oz.
BH03 - 1'	E412154-06A	Soil	12/17/24	12/19/24	Glass Jar, 2 oz.
BH04 - 0	E412154-07A	Soil	12/17/24	12/19/24	Glass Jar, 2 oz.
BH04 - 0.5'	E412154-08A	Soil	12/17/24	12/19/24	Glass Jar, 2 oz.
BH05 - 0'	E412154-09A	Soil	12/17/24	12/19/24	Glass Jar, 2 oz.
BH05 - 0.5'	E412154-10A	Soil	12/17/24	12/19/24	Glass Jar, 2 oz.

### Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 12/29/2024 12:34:21PM
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**BH01 - 0'**  
**E412154-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2451070	
Benzene	ND	0.0250	1	12/19/24	12/19/24	
Ethylbenzene	ND	0.0250	1	12/19/24	12/19/24	
Toluene	ND	0.0250	1	12/19/24	12/19/24	
o-Xylene	ND	0.0250	1	12/19/24	12/19/24	
p,m-Xylene	ND	0.0500	1	12/19/24	12/19/24	
Total Xylenes	ND	0.0250	1	12/19/24	12/19/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.1 %	70-130	12/19/24	12/19/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2451070	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/19/24	12/19/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.8 %	70-130	12/19/24	12/19/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2451077	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/19/24	12/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/19/24	12/19/24	
<i>Surrogate: n-Nonane</i>		100 %	50-200	12/19/24	12/19/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2451076	
Chloride	<b>6010</b>	40.0	2	12/19/24	12/19/24	

### Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 12/29/2024 12:34:21PM
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**BH01 -1'**  
**E412154-02**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2451070
Benzene	ND	0.0250	1	12/19/24	12/20/24	
Ethylbenzene	ND	0.0250	1	12/19/24	12/20/24	
Toluene	ND	0.0250	1	12/19/24	12/20/24	
o-Xylene	ND	0.0250	1	12/19/24	12/20/24	
p,m-Xylene	ND	0.0500	1	12/19/24	12/20/24	
Total Xylenes	ND	0.0250	1	12/19/24	12/20/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.6 %	70-130	12/19/24	12/20/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2451070
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/19/24	12/20/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.5 %	70-130	12/19/24	12/20/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: NV		Batch: 2451077
Diesel Range Organics (C10-C28)	ND	25.0	1	12/19/24	12/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/19/24	12/19/24	
<i>Surrogate: n-Nonane</i>		106 %	50-200	12/19/24	12/19/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: DT		Batch: 2451076
Chloride	25.4	20.0	1	12/19/24	12/19/24	

### Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 12/29/2024 12:34:21PM
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**BH02 - 0'**

**E412154-03**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2451070
Benzene	ND	0.0250	1	12/19/24	12/20/24	
Ethylbenzene	ND	0.0250	1	12/19/24	12/20/24	
Toluene	ND	0.0250	1	12/19/24	12/20/24	
o-Xylene	ND	0.0250	1	12/19/24	12/20/24	
p,m-Xylene	ND	0.0500	1	12/19/24	12/20/24	
Total Xylenes	ND	0.0250	1	12/19/24	12/20/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.2 %	70-130	12/19/24	12/20/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2451070
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/19/24	12/20/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.4 %	70-130	12/19/24	12/20/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: NV		Batch: 2451077
Diesel Range Organics (C10-C28)	109	25.0	1	12/19/24	12/19/24	
Oil Range Organics (C28-C36)	73.7	50.0	1	12/19/24	12/19/24	
<i>Surrogate: n-Nonane</i>		87.5 %	50-200	12/19/24	12/19/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: DT		Batch: 2451076
Chloride	14100	200	10	12/19/24	12/19/24	



### Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 12/29/2024 12:34:21PM
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**BH02 - 1'**

**E412154-04**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2451070
Benzene	ND	0.0250	1	12/19/24	12/20/24	
Ethylbenzene	ND	0.0250	1	12/19/24	12/20/24	
Toluene	ND	0.0250	1	12/19/24	12/20/24	
o-Xylene	ND	0.0250	1	12/19/24	12/20/24	
p,m-Xylene	ND	0.0500	1	12/19/24	12/20/24	
Total Xylenes	ND	0.0250	1	12/19/24	12/20/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.5 %	70-130	12/19/24	12/20/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2451070
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/19/24	12/20/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.2 %	70-130	12/19/24	12/20/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: NV		Batch: 2451077
Diesel Range Organics (C10-C28)	ND	25.0	1	12/19/24	12/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/19/24	12/20/24	
<i>Surrogate: n-Nonane</i>		103 %	50-200	12/19/24	12/20/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: DT		Batch: 2451076
Chloride	174	20.0	1	12/19/24	12/19/24	



### Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 12/29/2024 12:34:21PM
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**BH03 - 0'**

**E412154-05**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2451070
Benzene	ND	0.0250	1	12/19/24	12/20/24	
Ethylbenzene	ND	0.0250	1	12/19/24	12/20/24	
Toluene	ND	0.0250	1	12/19/24	12/20/24	
o-Xylene	ND	0.0250	1	12/19/24	12/20/24	
p,m-Xylene	ND	0.0500	1	12/19/24	12/20/24	
Total Xylenes	ND	0.0250	1	12/19/24	12/20/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.0 %	70-130	12/19/24	12/20/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2451070
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/19/24	12/20/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.8 %	70-130	12/19/24	12/20/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: NV		Batch: 2451077
Diesel Range Organics (C10-C28)	ND	25.0	1	12/19/24	12/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/19/24	12/20/24	
<i>Surrogate: n-Nonane</i>		104 %	50-200	12/19/24	12/20/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: DT		Batch: 2451076
Chloride	7850	100	5	12/19/24	12/19/24	



### Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 12/29/2024 12:34:21PM
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**BH03 - 1'**

**E412154-06**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2451070
Benzene	ND	0.0250	1	12/19/24	12/20/24	
Ethylbenzene	ND	0.0250	1	12/19/24	12/20/24	
Toluene	ND	0.0250	1	12/19/24	12/20/24	
o-Xylene	ND	0.0250	1	12/19/24	12/20/24	
p,m-Xylene	ND	0.0500	1	12/19/24	12/20/24	
Total Xylenes	ND	0.0250	1	12/19/24	12/20/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		94.3 %	70-130	12/19/24	12/20/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2451070
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/19/24	12/20/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.7 %	70-130	12/19/24	12/20/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2451077
Diesel Range Organics (C10-C28)	ND	25.0	1	12/19/24	12/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/19/24	12/20/24	
<i>Surrogate: n-Nonane</i>						
		101 %	50-200	12/19/24	12/20/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2451076
Chloride	112	20.0	1	12/19/24	12/19/24	



### Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 12/29/2024 12:34:21PM
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**BH04 - 0**

**E412154-07**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2451070
Benzene	ND	0.0250	1	12/19/24	12/20/24	
Ethylbenzene	ND	0.0250	1	12/19/24	12/20/24	
Toluene	ND	0.0250	1	12/19/24	12/20/24	
o-Xylene	ND	0.0250	1	12/19/24	12/20/24	
p,m-Xylene	ND	0.0500	1	12/19/24	12/20/24	
Total Xylenes	ND	0.0250	1	12/19/24	12/20/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.0 %	70-130	12/19/24	12/20/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2451070
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/19/24	12/20/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.4 %	70-130	12/19/24	12/20/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: NV		Batch: 2451077
Diesel Range Organics (C10-C28)	151	25.0	1	12/19/24	12/20/24	
Oil Range Organics (C28-C36)	96.8	50.0	1	12/19/24	12/20/24	
<i>Surrogate: n-Nonane</i>		104 %	50-200	12/19/24	12/20/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: DT		Batch: 2451076
Chloride	438	20.0	1	12/19/24	12/19/24	



### Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 12/29/2024 12:34:21PM
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**BH04 - 0.5'**

**E412154-08**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2451070
Benzene	ND	0.0250	1	12/19/24	12/20/24	
Ethylbenzene	ND	0.0250	1	12/19/24	12/20/24	
Toluene	ND	0.0250	1	12/19/24	12/20/24	
o-Xylene	ND	0.0250	1	12/19/24	12/20/24	
p,m-Xylene	ND	0.0500	1	12/19/24	12/20/24	
Total Xylenes	ND	0.0250	1	12/19/24	12/20/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		94.9 %	70-130	12/19/24	12/20/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2451070
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/19/24	12/20/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.1 %	70-130	12/19/24	12/20/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: NV		Batch: 2451077
Diesel Range Organics (C10-C28)	28.0	25.0	1	12/19/24	12/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/19/24	12/20/24	
<i>Surrogate: n-Nonane</i>		102 %	50-200	12/19/24	12/20/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: DT		Batch: 2451076
Chloride	369	20.0	1	12/19/24	12/19/24	



### Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 12/29/2024 12:34:21PM
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**BH05 - 0'**

**E412154-09**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2451070
Benzene	ND	0.0250	1	12/19/24	12/20/24	
Ethylbenzene	<b>0.182</b>	0.0250	1	12/19/24	12/20/24	
Toluene	ND	0.0250	1	12/19/24	12/20/24	
o-Xylene	<b>0.349</b>	0.0250	1	12/19/24	12/20/24	
p,m-Xylene	<b>0.714</b>	0.0500	1	12/19/24	12/20/24	
Total Xylenes	<b>1.06</b>	0.0250	1	12/19/24	12/20/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		120 %	70-130	12/19/24	12/20/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2451070
Gasoline Range Organics (C6-C10)	<b>32.1</b>	20.0	1	12/19/24	12/20/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.0 %	70-130	12/19/24	12/20/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: NV		Batch: 2451077
Diesel Range Organics (C10-C28)	<b>2550</b>	25.0	1	12/19/24	12/20/24	
Oil Range Organics (C28-C36)	<b>1390</b>	50.0	1	12/19/24	12/20/24	
<i>Surrogate: n-Nonane</i>		118 %	50-200	12/19/24	12/20/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: DT		Batch: 2451076
Chloride	<b>927</b>	20.0	1	12/19/24	12/19/24	



### Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 12/29/2024 12:34:21PM
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**BH05 - 0.5'**

**E412154-10**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2451070
Benzene	ND	0.0250	1	12/19/24	12/20/24	
Ethylbenzene	ND	0.0250	1	12/19/24	12/20/24	
Toluene	ND	0.0250	1	12/19/24	12/20/24	
o-Xylene	ND	0.0250	1	12/19/24	12/20/24	
p,m-Xylene	ND	0.0500	1	12/19/24	12/20/24	
Total Xylenes	ND	0.0250	1	12/19/24	12/20/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	12/19/24	12/20/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2451070
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/19/24	12/20/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.1 %	70-130	12/19/24	12/20/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: NV		Batch: 2451077
Diesel Range Organics (C10-C28)	59.8	25.0	1	12/19/24	12/20/24	
Oil Range Organics (C28-C36)	101	50.0	1	12/19/24	12/20/24	
<i>Surrogate: n-Nonane</i>		103 %	50-200	12/19/24	12/20/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: DT		Batch: 2451076
Chloride	335	20.0	1	12/19/24	12/19/24	



### QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 12/29/2024 12:34:21PM
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#### Volatile Organics by EPA 8021B

Analyst: SL

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

#### Blank (2451070-BLK1)

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

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.66		8.00		95.8	70-130			

#### LCS (2451070-BS1)

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

Benzene	4.94	0.0250	5.00		98.8	70-130			
Ethylbenzene	4.90	0.0250	5.00		97.9	70-130			
Toluene	4.96	0.0250	5.00		99.3	70-130			
o-Xylene	4.92	0.0250	5.00		98.5	70-130			
p,m-Xylene	9.98	0.0500	10.0		99.8	70-130			
Total Xylenes	14.9	0.0250	15.0		99.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.71		8.00		96.4	70-130			

#### LCS Dup (2451070-BSD1)

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

Benzene	4.79	0.0250	5.00		95.9	70-130	3.00	20	
Ethylbenzene	4.77	0.0250	5.00		95.4	70-130	2.64	20	
Toluene	4.83	0.0250	5.00		96.5	70-130	2.80	20	
o-Xylene	4.81	0.0250	5.00		96.2	70-130	2.34	20	
p,m-Xylene	9.72	0.0500	10.0		97.2	70-130	2.56	20	
Total Xylenes	14.5	0.0250	15.0		96.9	70-130	2.49	20	
Surrogate: 4-Bromochlorobenzene-PID	7.74		8.00		96.8	70-130			



### QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 12/29/2024 12:34:21PM
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#### Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

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

**Blank (2451070-BLK1)**

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

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

**LCS (2451070-BS2)**

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

Gasoline Range Organics (C6-C10)	42.6	20.0	50.0		85.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.50		8.00		93.8	70-130			

**LCS Dup (2451070-BSD2)**

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

Gasoline Range Organics (C6-C10)	44.2	20.0	50.0		88.4	70-130	3.75	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.45		8.00		93.1	70-130			



### QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 12/29/2024 12:34:21PM
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#### Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2451077-BLK1)**

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

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	49.1		50.0		98.2	50-200			

**LCS (2451077-BS1)**

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

Diesel Range Organics (C10-C28)	280	25.0	250		112	38-132			
Surrogate: <i>n</i> -Nonane	50.0		50.0		100	50-200			

**Matrix Spike (2451077-MS1)**

Source: E412154-01

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

Diesel Range Organics (C10-C28)	304	25.0	250	ND	121	38-132			
Surrogate: <i>n</i> -Nonane	53.5		50.0		107	50-200			

**Matrix Spike Dup (2451077-MSD1)**

Source: E412154-01

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

Diesel Range Organics (C10-C28)	302	25.0	250	ND	121	38-132	0.671	20	
Surrogate: <i>n</i> -Nonane	53.6		50.0		107	50-200			



### QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 12/29/2024 12:34:21PM
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#### Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2451076-BLK1)**

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

Chloride	ND	20.0							
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**LCS (2451076-BS1)**

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

Chloride	252	20.0	250		101	90-110			
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**LCS Dup (2451076-BSD1)**

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

Chloride	252	20.0	250		101	90-110	0.0686	20	
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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 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 12/29/24 12:34
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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

Released to Imaging: 3/19/2026 11:12:09 AM

Received by OCD: 3/3/2026 6:56:44 AM

Client Information				Invoice Information				Lab Use Only				TAT				State								
Client: Devon				Company: Devon Energy				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX					
Project: Beetle Juice 19 Fed 3H Battery				Address: 5315 Buena Vista Dr				E412154		01058-0007					X	X								
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220																				
Address: 3122 National Parks Hwy				Phone: (575)689-7597																				
City, State, Zip: Carlsbad NM, 88220				Email: jim.raley@dvn.com																				
Phone: 575-988-0055				Miscellaneous: Jim Raley																				
Email: agiovengo@ensolum.com																								
Sample Information										Analysis and Method						EPA Program								
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA	Compliance	Y	or	N	PWSID #	Remarks	
11:10	12/17/2024	S	1	BH01 - 0'		1						X												
11:13	12/17/2024	S	1	BH01 - 1'		2						X												
11:03	12/17/2024	S	1	BH02 - 0'		3						X												
11:06	12/17/2024	S	1	BH02 - 1'		4						X												
10:54	12/17/2024	S	1	BH03 - 0'		5						X												
10:58	12/17/2024	S	1	BH03 - 1'		6						X												
11:18	12/17/2024	S	1	BH04 - 0'		7						X												
11:26	12/17/2024	S	1	BH04 - 0.5'		8						X												
11:38	12/17/2024	S	1	BH05 - 0'		9						X												
11:45	12/17/2024	S	1	BH05 - 0.5'		10						X												
<b>Additional Instructions:</b> Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@dvn.com, iestrella@ensolum.com, chamilton@ensolum.com, bsimmons@ensolum.com oaderinto@ensolum.com I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Oluwale Aderinto																								
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C 4																
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time																	
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time																	
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time																	
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA														
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																								

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Envirotech Analytical Laboratory

Printed: 12/19/2024 12:22:37PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client: Devon Energy - Carlsbad Date Received: 12/19/24 07:45 Work Order ID: E412154
Phone: (505) 382-1211 Date Logged In: 12/18/24 17:03 Logged In By: Noe Soto
Email: agiovengo@ensolum.com Due Date: 12/30/24 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

Carrier: Courier

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

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

Empty box for 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: Beetle Juice 19 Fed 3H Battery

Work Order: E412155

Job Number: 01058-0007

Received: 12/19/2024

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
12/30/24

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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

Date Reported: 12/30/24



Ashley Giovengo  
6488 7 Rivers Hwy  
Artesia, NM 88210

Project Name: Beetle Juice 19 Fed 3H Battery  
Workorder: E412155  
Date Received: 12/19/2024 7:45:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/19/2024 7:45:00AM, under the Project Name: Beetle Juice 19 Fed 3H Battery.

The analytical test results summarized in this report with the Project Name: Beetle Juice 19 Fed 3H Battery 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](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
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**Michelle Gonzales**  
Client Representative  
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[mgonzales@envirotech-inc.com](mailto:mgonzales@envirotech-inc.com)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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### Sample Summary

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 12/30/24 12:14
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH04 - 1'	E412155-01A	Soil	12/17/24	12/19/24	Glass Jar, 2 oz.
BH05 - 1'	E412155-02A	Soil	12/17/24	12/19/24	Glass Jar, 2 oz.



### Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 12/30/2024 12:14:19PM
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**BH05 - 1'**  
**E412155-02**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2451070
Benzene	ND	0.0250	1	12/19/24	12/20/24	
Ethylbenzene	ND	0.0250	1	12/19/24	12/20/24	
Toluene	ND	0.0250	1	12/19/24	12/20/24	
o-Xylene	ND	0.0250	1	12/19/24	12/20/24	
p,m-Xylene	ND	0.0500	1	12/19/24	12/20/24	
Total Xylenes	ND	0.0250	1	12/19/24	12/20/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.3 %	70-130	12/19/24	12/20/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2451070
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/19/24	12/20/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.0 %	70-130	12/19/24	12/20/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: NV		Batch: 2451077
Diesel Range Organics (C10-C28)	ND	25.0	1	12/19/24	12/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/19/24	12/20/24	
<i>Surrogate: n-Nonane</i>		105 %	50-200	12/19/24	12/20/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: DT		Batch: 2451074
Chloride	204	20.0	1	12/19/24	12/19/24	



### QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 12/30/2024 12:14:19PM
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#### Volatile Organics by EPA 8021B

Analyst: SL

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

#### Blank (2451070-BLK1)

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

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.66		8.00		95.8	70-130			

#### LCS (2451070-BS1)

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

Benzene	4.94	0.0250	5.00		98.8	70-130			
Ethylbenzene	4.90	0.0250	5.00		97.9	70-130			
Toluene	4.96	0.0250	5.00		99.3	70-130			
o-Xylene	4.92	0.0250	5.00		98.5	70-130			
p,m-Xylene	9.98	0.0500	10.0		99.8	70-130			
Total Xylenes	14.9	0.0250	15.0		99.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.71		8.00		96.4	70-130			

#### LCS Dup (2451070-BSD1)

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

Benzene	4.79	0.0250	5.00		95.9	70-130	3.00	20	
Ethylbenzene	4.77	0.0250	5.00		95.4	70-130	2.64	20	
Toluene	4.83	0.0250	5.00		96.5	70-130	2.80	20	
o-Xylene	4.81	0.0250	5.00		96.2	70-130	2.34	20	
p,m-Xylene	9.72	0.0500	10.0		97.2	70-130	2.56	20	
Total Xylenes	14.5	0.0250	15.0		96.9	70-130	2.49	20	
Surrogate: 4-Bromochlorobenzene-PID	7.74		8.00		96.8	70-130			



### QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 12/30/2024 12:14:19PM
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#### Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2451070-BLK1)**

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

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

**LCS (2451070-BS2)**

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

Gasoline Range Organics (C6-C10)	42.6	20.0	50.0		85.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.50		8.00		93.8	70-130			

**LCS Dup (2451070-BSD2)**

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

Gasoline Range Organics (C6-C10)	44.2	20.0	50.0		88.4	70-130	3.75	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.45		8.00		93.1	70-130			



### QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 12/30/2024 12:14:19PM
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#### Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2451077-BLK1)**

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

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	49.1		50.0		98.2	50-200			

**LCS (2451077-BS1)**

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

Diesel Range Organics (C10-C28)	280	25.0	250		112	38-132			
Surrogate: n-Nonane	50.0		50.0		100	50-200			

**Matrix Spike (2451077-MS1)**

Source: E412154-01

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

Diesel Range Organics (C10-C28)	304	25.0	250	ND	121	38-132			
Surrogate: n-Nonane	53.5		50.0		107	50-200			

**Matrix Spike Dup (2451077-MSD1)**

Source: E412154-01

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

Diesel Range Organics (C10-C28)	302	25.0	250	ND	121	38-132	0.671	20	
Surrogate: n-Nonane	53.6		50.0		107	50-200			



### QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 12/30/2024 12:14:19PM
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#### Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2451074-BLK1)**

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

Chloride	ND	20.0							
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**LCS (2451074-BS1)**

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

Chloride	257	20.0	250		103	90-110			
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**LCS Dup (2451074-BSD1)**

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

Chloride	257	20.0	250		103	90-110	0.0397	20	
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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:	Beetle Juice 19 Fed 3H Battery	
6488 7 Rivers Hwy	Project Number:	01058-0007	<b>Reported:</b>
Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/30/24 12:14

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.



Released to Imaging: 3/19/2026 11:12:09 AM

Received by OCD: 3/3/2026 6:56:44 AM

Client Information				Invoice Information				Lab Use Only				TAT				State			
Client: Devon				Company: Devon Energy				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX
Project: Beetle Juice 19 Fed 3H Battery				Address: 5315 Buena Vista Dr				E412155		01058-0007					X	X			
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: (575)689-7597															
City, State, Zip: Carlsbad NM, 88220				Email: jim.raley@dvn.com															
Phone: 575-988-0055				Miscellaneous: Jim Raley															
Email: agiovengo@ensolum.com																			

Sample Information										Analysis and Method								EPA Program			Remarks
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA				
															Compliance	Y	or	N			
11:35	12/17/2024	S	1	BH04 - 1'		1							X					Do not run unless BH04 - 0.5' CI is >600 or TPH is >100			
11:47	12/17/2024	S	1	BH05 - 1'		2							X					Do not run unless BH05 - 0.5' CI is >600 or TPH is >100			

**Additional Instructions:** Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@dvn.com, iestrella@ensolum.com, chamilton@ensolum.com, bsimmons@ensolum.com oaderinto@ensolum.com

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

Sampled by: <u>Oluwale Aderinto</u>						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) <u>Oluwale Aderinto</u>	Date <u>12/18/24</u>	Time <u>8:30</u>	Received by: (Signature) <u>Michelle Gonzales</u>	Date <u>12-18-24</u>	Time <u>0830</u>	Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>					
Relinquished by: (Signature) <u>Michelle Gonzales</u>	Date <u>12-18-24</u>	Time <u>1600</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>12-18-24</u>	Time <u>1600</u>						
Relinquished by: (Signature) <u>[Signature]</u>	Date <u>12-18-24</u>	Time <u>2145</u>	Received by: (Signature) <u>Noe Soto</u>	Date <u>12-19-24</u>	Time <u>0745</u>						
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time						

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other \_\_\_\_\_ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

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



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Envirotech Analytical Laboratory

Printed: 12/19/2024 1:23:29PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Devon Energy - Carlsbad	Date Received:	12/19/24 07:45	Work Order ID:	E412155
Phone:	(505) 382-1211	Date Logged In:	12/18/24 17:08	Logged In By:	Noe Soto
Email:	agiovengo@ensolum.com	Due Date:	12/30/24 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

Carrier: Courier

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

**Comments/Resolution**

Client comment on COC states: for sample one iDo not run unless BH04 - 0.5 CL is >600 or PTH is >100. Second sample, Do not run unless BH05 - 0.5 CL is >600 or PTH is >100

**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: Beetle Juice 19 Fed 3H Battery

Work Order: E412188

Job Number: 01058-0007

Received: 12/24/2024

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
1/2/25

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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



Date Reported: 1/2/25

Ashley Giovengo  
6488 7 Rivers Hwy  
Artesia, NM 88210

Project Name: Beetle Juice 19 Fed 3H Battery  
Workorder: E412188  
Date Received: 12/24/2024 7:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/24/2024 7:30:00AM, under the Project Name: Beetle Juice 19 Fed 3H Battery.

The analytical test results summarized in this report with the Project Name: Beetle Juice 19 Fed 3H Battery 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](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
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[mgonzales@envirotech-inc.com](mailto:mgonzales@envirotech-inc.com)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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### Sample Summary

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 01/02/25 13:37
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS06A-0'	E412188-01A	Soil	12/20/24	12/24/24	Glass Jar, 2 oz.



### Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 1/2/2025 1:37:57PM
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**SS06A-0'**  
**E412188-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2452031
Benzene	ND	0.0250	1	12/24/24	12/24/24	
Ethylbenzene	ND	0.0250	1	12/24/24	12/24/24	
Toluene	ND	0.0250	1	12/24/24	12/24/24	
o-Xylene	ND	0.0250	1	12/24/24	12/24/24	
p,m-Xylene	ND	0.0500	1	12/24/24	12/24/24	
Total Xylenes	ND	0.0250	1	12/24/24	12/24/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.3 %	70-130	12/24/24	12/24/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: SL		Batch: 2452031
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/24/24	12/24/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.2 %	70-130	12/24/24	12/24/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: NV		Batch: 2453006
Diesel Range Organics (C10-C28)	ND	25.0	1	12/30/24	12/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/30/24	12/30/24	
<i>Surrogate: n-Nonane</i>		113 %	50-200	12/30/24	12/30/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: DT		Batch: 2452029
Chloride	ND	20.0	1	12/24/24	12/24/24	



### QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 1/2/2025 1:37:57PM
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#### Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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#### Blank (2452031-BLK1)

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

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	7.49		8.00		93.7	70-130			

#### LCS (2452031-BS1)

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

Benzene	5.43	0.0250	5.00		109	70-130			
Ethylbenzene	5.22	0.0250	5.00		104	70-130			
Toluene	5.34	0.0250	5.00		107	70-130			
o-Xylene	5.22	0.0250	5.00		104	70-130			
p,m-Xylene	10.6	0.0500	10.0		106	70-130			
Total Xylenes	15.8	0.0250	15.0		105	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.52		8.00		94.0	70-130			

#### LCS Dup (2452031-BSD1)

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

Benzene	5.65	0.0250	5.00		113	70-130	3.92	20	
Ethylbenzene	5.43	0.0250	5.00		109	70-130	4.03	20	
Toluene	5.56	0.0250	5.00		111	70-130	3.97	20	
o-Xylene	5.45	0.0250	5.00		109	70-130	4.24	20	
p,m-Xylene	11.0	0.0500	10.0		110	70-130	4.01	20	
Total Xylenes	16.5	0.0250	15.0		110	70-130	4.09	20	
Surrogate: 4-Bromochlorobenzene-PID	7.53		8.00		94.1	70-130			



### QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 1/2/2025 1:37:57PM
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#### Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

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

**Blank (2452031-BLK1)**

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

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.36		8.00		92.1	70-130			

**LCS (2452031-BS2)**

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

Gasoline Range Organics (C6-C10)	43.3	20.0	50.0		86.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.45		8.00		93.1	70-130			

**LCS Dup (2452031-BSD2)**

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

Gasoline Range Organics (C6-C10)	41.5	20.0	50.0		83.0	70-130	4.27	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.44		8.00		93.1	70-130			



### QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 1/2/2025 1:37:57PM
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#### Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2453006-BLK1)**

Prepared: 12/30/24 Analyzed: 12/30/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	59.7		50.0		119	50-200			

**LCS (2453006-BS1)**

Prepared: 12/30/24 Analyzed: 12/30/24

Diesel Range Organics (C10-C28)	298	25.0	250		119	38-132			
Surrogate: n-Nonane	56.5		50.0		113	50-200			

**Matrix Spike (2453006-MS1)**

Source: E412190-02

Prepared: 12/30/24 Analyzed: 12/30/24

Diesel Range Organics (C10-C28)	386	25.0	250	54.9	132	38-132			
Surrogate: n-Nonane	55.9		50.0		112	50-200			

**Matrix Spike Dup (2453006-MSD1)**

Source: E412190-02

Prepared: 12/30/24 Analyzed: 12/30/24

Diesel Range Organics (C10-C28)	340	25.0	250	54.9	114	38-132	12.8	20	
Surrogate: n-Nonane	54.7		50.0		109	50-200			



### QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 1/2/2025 1:37:57PM
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#### Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2452029-BLK1)**

Prepared: 12/23/24 Analyzed: 12/23/24

Chloride	ND	20.0							
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**LCS (2452029-BS1)**

Prepared: 12/23/24 Analyzed: 12/23/24

Chloride	254	20.0	250		102	90-110			
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**LCS Dup (2452029-BSD1)**

Prepared: 12/23/24 Analyzed: 12/23/24

Chloride	255	20.0	250		102	90-110	0.280	20	
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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 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 01/02/25 13:37
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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

Released to Imaging: 3/19/2026 11:12:09 AM

Received by OCD: 3/3/2026 6:56:44 AM

Client Information				Invoice Information				Lab Use Only				TAT				State						
Client: Devon				Company: Devon Energy				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX			
Project: Beetle Juice 19 Fed 3H Battery				Address: 5315 Buena Vista Dr				E412188		01058-0007					X	X						
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220																		
Address: 3122 National Parks Hwy				Phone: (575)689-7597																		
City, State, Zip: Carlsbad NM, 88220				Email: jim.raley@divn.com																		
Phone: 575-988-0055				Miscellaneous: Jim Raley																		
Email: agiovengo@ensolum.com																						
Sample Information										Analysis and Method						EPA Program						
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA	Compliance	Y	or	N	
10:10	12/20/2024	S	1	SS06A - 0'		1						X										
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@divn.com, iestrella@ensolum.com, chamilton@ensolum.com, bsimmons@ensolum.com oaderinto@ensolum.com																						
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																						
Sampled by: Oluwale Aderinto																						
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. Lab Use Only Received on ice: (Y) N T1 _____ T2 _____ T3 _____ AVG Temp °C 4														
Oluwale Aderinto		12/23/24	8:30	Noe Soto		12-23-24	1000															
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time															
Noe Soto		12-23-24	1200			12-24-24	0730															
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time															
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time															
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA												
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																						



### Envirotech Analytical Laboratory

Printed: 12/24/2024 8:13:52AM

#### 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:	12/24/24 07:30	Work Order ID:	E412188
Phone:	(505) 382-1211	Date Logged In:	12/23/24 12:27	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	01/03/25 17:00 (4 day TAT)		

#### Chain of Custody (COC)

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

Carrier: Courier

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

#### 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? 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: Beetle Juice 19 Fed 3H Battery

Work Order: E502179

Job Number: 01058-0007

Received: 2/20/2025

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
2/25/25

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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

Date Reported: 2/25/25



Ashley Giovengo  
6488 7 Rivers Hwy  
Artesia, NM 88210

Project Name: Beetle Juice 19 Fed 3H Battery  
Workorder: E502179  
Date Received: 2/20/2025 7:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/20/2025 7:30:00AM, under the Project Name: Beetle Juice 19 Fed 3H Battery.

The analytical test results summarized in this report with the Project Name: Beetle Juice 19 Fed 3H Battery 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](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
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[mgonzales@envirotech-inc.com](mailto:mgonzales@envirotech-inc.com)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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### Sample Summary

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 02/25/25 13:36
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS01-0.5	E502179-01A	Soil	02/18/25	02/20/25	Glass Jar, 2 oz.
FS02-1'	E502179-02A	Soil	02/18/25	02/20/25	Glass Jar, 2 oz.
FS03-1'	E502179-03A	Soil	02/18/25	02/20/25	Glass Jar, 2 oz.
FS05-0.5'	E502179-04A	Soil	02/18/25	02/20/25	Glass Jar, 2 oz.
FS15-1'	E502179-05A	Soil	02/18/25	02/20/25	Glass Jar, 2 oz.
FS16-1.5'	E502179-06A	Soil	02/18/25	02/20/25	Glass Jar, 2 oz.
FS18-1.5'	E502179-07A	Soil	02/18/25	02/20/25	Glass Jar, 2 oz.
FS20-1.5'	E502179-08A	Soil	02/18/25	02/20/25	Glass Jar, 2 oz.
FS21-1.5'	E502179-09A	Soil	02/18/25	02/20/25	Glass Jar, 2 oz.



### Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 2/25/2025 1:36:14PM
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**FS01-0.5**  
**E502179-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2508084	
Benzene	ND	0.0250	1	02/20/25	02/20/25	
Ethylbenzene	ND	0.0250	1	02/20/25	02/20/25	
Toluene	ND	0.0250	1	02/20/25	02/20/25	
o-Xylene	ND	0.0250	1	02/20/25	02/20/25	
p,m-Xylene	ND	0.0500	1	02/20/25	02/20/25	
Total Xylenes	ND	0.0250	1	02/20/25	02/20/25	
<i>Surrogate: Bromofluorobenzene</i>		96.7 %	70-130	02/20/25	02/20/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.2 %	70-130	02/20/25	02/20/25	
<i>Surrogate: Toluene-d8</i>		99.4 %	70-130	02/20/25	02/20/25	

<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2508084	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/20/25	02/20/25	
<i>Surrogate: Bromofluorobenzene</i>		96.7 %	70-130	02/20/25	02/20/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.2 %	70-130	02/20/25	02/20/25	
<i>Surrogate: Toluene-d8</i>		99.4 %	70-130	02/20/25	02/20/25	

<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KH		Batch: 2508094	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/20/25	02/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/20/25	02/21/25	
<i>Surrogate: n-Nonane</i>		99.7 %	61-141	02/20/25	02/21/25	

<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: AK		Batch: 2508087	
Chloride	115	20.0	1	02/20/25	02/20/25	



### Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 2/25/2025 1:36:14PM
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**FS02-1'**

**E502179-02**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2508084
Benzene	ND	0.0250	1	02/20/25	02/21/25	
Ethylbenzene	ND	0.0250	1	02/20/25	02/21/25	
Toluene	ND	0.0250	1	02/20/25	02/21/25	
o-Xylene	ND	0.0250	1	02/20/25	02/21/25	
p,m-Xylene	ND	0.0500	1	02/20/25	02/21/25	
Total Xylenes	ND	0.0250	1	02/20/25	02/21/25	
<i>Surrogate: Bromofluorobenzene</i>		95.3 %	70-130	02/20/25	02/21/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.9 %	70-130	02/20/25	02/21/25	
<i>Surrogate: Toluene-d8</i>		97.0 %	70-130	02/20/25	02/21/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2508084
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/20/25	02/21/25	
<i>Surrogate: Bromofluorobenzene</i>		95.3 %	70-130	02/20/25	02/21/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.9 %	70-130	02/20/25	02/21/25	
<i>Surrogate: Toluene-d8</i>		97.0 %	70-130	02/20/25	02/21/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KH		Batch: 2508094
Diesel Range Organics (C10-C28)	ND	25.0	1	02/20/25	02/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/20/25	02/21/25	
<i>Surrogate: n-Nonane</i>		107 %	61-141	02/20/25	02/21/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: AK		Batch: 2508087
Chloride	317	20.0	1	02/20/25	02/20/25	



### Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 2/25/2025 1:36:14PM
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**FS03-1'**

**E502179-03**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2508084
Benzene	ND	0.0250	1	02/20/25	02/21/25	
Ethylbenzene	ND	0.0250	1	02/20/25	02/21/25	
Toluene	ND	0.0250	1	02/20/25	02/21/25	
o-Xylene	ND	0.0250	1	02/20/25	02/21/25	
p,m-Xylene	ND	0.0500	1	02/20/25	02/21/25	
Total Xylenes	ND	0.0250	1	02/20/25	02/21/25	
<i>Surrogate: Bromofluorobenzene</i>		93.8 %	70-130	02/20/25	02/21/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.0 %	70-130	02/20/25	02/21/25	
<i>Surrogate: Toluene-d8</i>		96.6 %	70-130	02/20/25	02/21/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2508084
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/20/25	02/21/25	
<i>Surrogate: Bromofluorobenzene</i>		93.8 %	70-130	02/20/25	02/21/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.0 %	70-130	02/20/25	02/21/25	
<i>Surrogate: Toluene-d8</i>		96.6 %	70-130	02/20/25	02/21/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KH		Batch: 2508094
Diesel Range Organics (C10-C28)	ND	25.0	1	02/20/25	02/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/20/25	02/21/25	
<i>Surrogate: n-Nonane</i>		96.9 %	61-141	02/20/25	02/21/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: AK		Batch: 2508087
Chloride	328	20.0	1	02/20/25	02/20/25	



### Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 2/25/2025 1:36:14PM
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**FS05-0.5'**

**E502179-04**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2508084
Benzene	ND	0.0250	1	02/20/25	02/21/25	
Ethylbenzene	ND	0.0250	1	02/20/25	02/21/25	
Toluene	ND	0.0250	1	02/20/25	02/21/25	
o-Xylene	ND	0.0250	1	02/20/25	02/21/25	
p,m-Xylene	ND	0.0500	1	02/20/25	02/21/25	
Total Xylenes	ND	0.0250	1	02/20/25	02/21/25	
<i>Surrogate: Bromofluorobenzene</i>		97.3 %	70-130	02/20/25	02/21/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.4 %	70-130	02/20/25	02/21/25	
<i>Surrogate: Toluene-d8</i>		97.9 %	70-130	02/20/25	02/21/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2508084
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/20/25	02/21/25	
<i>Surrogate: Bromofluorobenzene</i>		97.3 %	70-130	02/20/25	02/21/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.4 %	70-130	02/20/25	02/21/25	
<i>Surrogate: Toluene-d8</i>		97.9 %	70-130	02/20/25	02/21/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KH		Batch: 2508094
Diesel Range Organics (C10-C28)	ND	25.0	1	02/20/25	02/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/20/25	02/21/25	
<i>Surrogate: n-Nonane</i>		95.5 %	61-141	02/20/25	02/21/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: AK		Batch: 2508087
Chloride	142	20.0	1	02/20/25	02/20/25	



### Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 2/25/2025 1:36:14PM
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**FS15-1'**

**E502179-05**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2508084
Benzene	ND	0.0250	1	02/20/25	02/21/25	
Ethylbenzene	ND	0.0250	1	02/20/25	02/21/25	
Toluene	ND	0.0250	1	02/20/25	02/21/25	
o-Xylene	ND	0.0250	1	02/20/25	02/21/25	
p,m-Xylene	ND	0.0500	1	02/20/25	02/21/25	
Total Xylenes	ND	0.0250	1	02/20/25	02/21/25	
<i>Surrogate: Bromofluorobenzene</i>		94.1 %	70-130	02/20/25	02/21/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.6 %	70-130	02/20/25	02/21/25	
<i>Surrogate: Toluene-d8</i>		96.2 %	70-130	02/20/25	02/21/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2508084
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/20/25	02/21/25	
<i>Surrogate: Bromofluorobenzene</i>		94.1 %	70-130	02/20/25	02/21/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.6 %	70-130	02/20/25	02/21/25	
<i>Surrogate: Toluene-d8</i>		96.2 %	70-130	02/20/25	02/21/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KH		Batch: 2508094
Diesel Range Organics (C10-C28)	ND	25.0	1	02/20/25	02/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/20/25	02/21/25	
<i>Surrogate: n-Nonane</i>		88.4 %	61-141	02/20/25	02/21/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: AK		Batch: 2508087
Chloride	127	20.0	1	02/20/25	02/20/25	



### Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 2/25/2025 1:36:14PM
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**FS16-1.5'**

**E502179-06**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2508084
Benzene	ND	0.0250	1	02/20/25	02/21/25	
Ethylbenzene	ND	0.0250	1	02/20/25	02/21/25	
Toluene	ND	0.0250	1	02/20/25	02/21/25	
o-Xylene	ND	0.0250	1	02/20/25	02/21/25	
p,m-Xylene	ND	0.0500	1	02/20/25	02/21/25	
Total Xylenes	ND	0.0250	1	02/20/25	02/21/25	
<i>Surrogate: Bromofluorobenzene</i>		93.3 %	70-130	02/20/25	02/21/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		92.4 %	70-130	02/20/25	02/21/25	
<i>Surrogate: Toluene-d8</i>		97.5 %	70-130	02/20/25	02/21/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2508084
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/20/25	02/21/25	
<i>Surrogate: Bromofluorobenzene</i>		93.3 %	70-130	02/20/25	02/21/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		92.4 %	70-130	02/20/25	02/21/25	
<i>Surrogate: Toluene-d8</i>		97.5 %	70-130	02/20/25	02/21/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KH		Batch: 2508094
Diesel Range Organics (C10-C28)	ND	25.0	1	02/20/25	02/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/20/25	02/21/25	
<i>Surrogate: n-Nonane</i>		96.5 %	61-141	02/20/25	02/21/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: AK		Batch: 2508087
Chloride	175	20.0	1	02/20/25	02/20/25	



### Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 2/25/2025 1:36:14PM
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**FS18-1.5'**

**E502179-07**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2508084
Benzene	ND	0.0250	1	02/20/25	02/21/25	
Ethylbenzene	ND	0.0250	1	02/20/25	02/21/25	
Toluene	ND	0.0250	1	02/20/25	02/21/25	
o-Xylene	ND	0.0250	1	02/20/25	02/21/25	
p,m-Xylene	ND	0.0500	1	02/20/25	02/21/25	
Total Xylenes	ND	0.0250	1	02/20/25	02/21/25	
<i>Surrogate: Bromofluorobenzene</i>		95.6 %	70-130	02/20/25	02/21/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		92.8 %	70-130	02/20/25	02/21/25	
<i>Surrogate: Toluene-d8</i>		97.2 %	70-130	02/20/25	02/21/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2508084
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/20/25	02/21/25	
<i>Surrogate: Bromofluorobenzene</i>		95.6 %	70-130	02/20/25	02/21/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		92.8 %	70-130	02/20/25	02/21/25	
<i>Surrogate: Toluene-d8</i>		97.2 %	70-130	02/20/25	02/21/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KH		Batch: 2508094
Diesel Range Organics (C10-C28)	ND	25.0	1	02/20/25	02/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/20/25	02/21/25	
<i>Surrogate: n-Nonane</i>		96.0 %	61-141	02/20/25	02/21/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: AK		Batch: 2508087
Chloride	124	20.0	1	02/20/25	02/20/25	



### Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 2/25/2025 1:36:14PM
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**FS20-1.5'**

**E502179-08**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2508084
Benzene	ND	0.0250	1	02/20/25	02/21/25	
Ethylbenzene	ND	0.0250	1	02/20/25	02/21/25	
Toluene	ND	0.0250	1	02/20/25	02/21/25	
o-Xylene	ND	0.0250	1	02/20/25	02/21/25	
p,m-Xylene	ND	0.0500	1	02/20/25	02/21/25	
Total Xylenes	ND	0.0250	1	02/20/25	02/21/25	
<i>Surrogate: Bromofluorobenzene</i>		96.0 %	70-130	02/20/25	02/21/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.8 %	70-130	02/20/25	02/21/25	
<i>Surrogate: Toluene-d8</i>		96.9 %	70-130	02/20/25	02/21/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2508084
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/20/25	02/21/25	
<i>Surrogate: Bromofluorobenzene</i>		96.0 %	70-130	02/20/25	02/21/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.8 %	70-130	02/20/25	02/21/25	
<i>Surrogate: Toluene-d8</i>		96.9 %	70-130	02/20/25	02/21/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KH		Batch: 2508094
Diesel Range Organics (C10-C28)	ND	25.0	1	02/20/25	02/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/20/25	02/21/25	
<i>Surrogate: n-Nonane</i>		93.9 %	61-141	02/20/25	02/21/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: AK		Batch: 2508087
Chloride	261	20.0	1	02/20/25	02/20/25	



### Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 2/25/2025 1:36:14PM
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**FS21-1.5'**

**E502179-09**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2508084
Benzene	ND	0.0250	1	02/20/25	02/20/25	
Ethylbenzene	ND	0.0250	1	02/20/25	02/20/25	
Toluene	ND	0.0250	1	02/20/25	02/20/25	
o-Xylene	ND	0.0250	1	02/20/25	02/20/25	
p,m-Xylene	ND	0.0500	1	02/20/25	02/20/25	
Total Xylenes	ND	0.0250	1	02/20/25	02/20/25	
<i>Surrogate: Bromofluorobenzene</i>		97.3 %	70-130	02/20/25	02/20/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.8 %	70-130	02/20/25	02/20/25	
<i>Surrogate: Toluene-d8</i>		99.2 %	70-130	02/20/25	02/20/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2508084
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/20/25	02/20/25	
<i>Surrogate: Bromofluorobenzene</i>		97.3 %	70-130	02/20/25	02/20/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.8 %	70-130	02/20/25	02/20/25	
<i>Surrogate: Toluene-d8</i>		99.2 %	70-130	02/20/25	02/20/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KH		Batch: 2508094
Diesel Range Organics (C10-C28)	ND	25.0	1	02/20/25	02/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/20/25	02/21/25	
<i>Surrogate: n-Nonane</i>		94.9 %	61-141	02/20/25	02/21/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: AK		Batch: 2508087
Chloride	92.6	20.0	1	02/20/25	02/20/25	



### QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 2/25/2025 1:36:14PM
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#### Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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#### Blank (2508084-BLK1)

Prepared: 02/20/25 Analyzed: 02/20/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.475		0.500		95.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.488		0.500		97.6	70-130			
Surrogate: Toluene-d8	0.493		0.500		98.5	70-130			

#### LCS (2508084-BS1)

Prepared: 02/20/25 Analyzed: 02/20/25

Benzene	2.59	0.0250	2.50		104	70-130			
Ethylbenzene	2.57	0.0250	2.50		103	70-130			
Toluene	2.51	0.0250	2.50		101	70-130			
o-Xylene	2.52	0.0250	2.50		101	70-130			
p,m-Xylene	5.04	0.0500	5.00		101	70-130			
Total Xylenes	7.57	0.0250	7.50		101	70-130			
Surrogate: Bromofluorobenzene	0.486		0.500		97.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.488		0.500		97.6	70-130			
Surrogate: Toluene-d8	0.480		0.500		95.9	70-130			

#### Matrix Spike (2508084-MS1)

Source: E502179-09

Prepared: 02/20/25 Analyzed: 02/20/25

Benzene	2.40	0.0250	2.50	ND	95.8	48-131			
Ethylbenzene	2.40	0.0250	2.50	ND	96.2	45-135			
Toluene	2.34	0.0250	2.50	ND	93.5	48-130			
o-Xylene	2.37	0.0250	2.50	ND	94.6	43-135			
p,m-Xylene	4.73	0.0500	5.00	ND	94.6	43-135			
Total Xylenes	7.10	0.0250	7.50	ND	94.6	43-135			
Surrogate: Bromofluorobenzene	0.492		0.500		98.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.482		0.500		96.3	70-130			
Surrogate: Toluene-d8	0.489		0.500		97.8	70-130			

#### Matrix Spike Dup (2508084-MSD1)

Source: E502179-09

Prepared: 02/20/25 Analyzed: 02/20/25

Benzene	2.31	0.0250	2.50	ND	92.4	48-131	3.66	23	
Ethylbenzene	2.31	0.0250	2.50	ND	92.5	45-135	3.86	27	
Toluene	2.24	0.0250	2.50	ND	89.7	48-130	4.17	24	
o-Xylene	2.21	0.0250	2.50	ND	88.4	43-135	6.84	27	
p,m-Xylene	4.43	0.0500	5.00	ND	88.7	43-135	6.51	27	
Total Xylenes	6.64	0.0250	7.50	ND	88.6	43-135	6.62	27	
Surrogate: Bromofluorobenzene	0.481		0.500		96.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.488		0.500		97.5	70-130			
Surrogate: Toluene-d8	0.480		0.500		95.9	70-130			



### QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 2/25/2025 1:36:14PM
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#### Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2508084-BLK1)**

Prepared: 02/20/25 Analyzed: 02/20/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.475		0.500		95.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.488		0.500		97.6	70-130			
Surrogate: Toluene-d8	0.493		0.500		98.5	70-130			

**LCS (2508084-BS2)**

Prepared: 02/20/25 Analyzed: 02/20/25

Gasoline Range Organics (C6-C10)	56.3	20.0	50.0		113	70-130			
Surrogate: Bromofluorobenzene	0.483		0.500		96.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.490		0.500		97.9	70-130			
Surrogate: Toluene-d8	0.493		0.500		98.6	70-130			

**Matrix Spike (2508084-MS2)**

Source: E502179-09

Prepared: 02/20/25 Analyzed: 02/20/25

Gasoline Range Organics (C6-C10)	48.9	20.0	50.0	ND	97.9	70-130			
Surrogate: Bromofluorobenzene	0.482		0.500		96.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.490		0.500		98.0	70-130			
Surrogate: Toluene-d8	0.484		0.500		96.7	70-130			

**Matrix Spike Dup (2508084-MSD2)**

Source: E502179-09

Prepared: 02/20/25 Analyzed: 02/20/25

Gasoline Range Organics (C6-C10)	48.1	20.0	50.0	ND	96.2	70-130	1.76	20	
Surrogate: Bromofluorobenzene	0.479		0.500		95.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.483		0.500		96.5	70-130			
Surrogate: Toluene-d8	0.488		0.500		97.6	70-130			



### QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 2/25/2025 1:36:14PM
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#### Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2508094-BLK1)**

Prepared: 02/20/25 Analyzed: 02/21/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	46.4		50.0		92.7	61-141			

**LCS (2508094-BS1)**

Prepared: 02/20/25 Analyzed: 02/21/25

Diesel Range Organics (C10-C28)	250	25.0	250		100	66-144			
Surrogate: <i>n</i> -Nonane	46.6		50.0		93.1	61-141			

**Matrix Spike (2508094-MS1)**

Source: E502179-01

Prepared: 02/20/25 Analyzed: 02/21/25

Diesel Range Organics (C10-C28)	265	25.0	250	ND	106	56-156			
Surrogate: <i>n</i> -Nonane	48.6		50.0		97.2	61-141			

**Matrix Spike Dup (2508094-MSD1)**

Source: E502179-01

Prepared: 02/20/25 Analyzed: 02/21/25

Diesel Range Organics (C10-C28)	262	25.0	250	ND	105	56-156	1.20	20	
Surrogate: <i>n</i> -Nonane	48.6		50.0		97.1	61-141			



### QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 2/25/2025 1:36:14PM
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#### Anions by EPA 300.0/9056A

Analyst: AK

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2508087-BLK1)**

Prepared: 02/20/25 Analyzed: 02/20/25

Chloride	ND	20.0							
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**LCS (2508087-BS1)**

Prepared: 02/20/25 Analyzed: 02/20/25

Chloride	257	20.0	250		103	90-110			
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**Matrix Spike (2508087-MS1)**

Source: E502178-03

Prepared: 02/20/25 Analyzed: 02/20/25

Chloride	409	20.0	250	150	103	80-120			
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**Matrix Spike Dup (2508087-MSD1)**

Source: E502178-03

Prepared: 02/20/25 Analyzed: 02/20/25

Chloride	405	20.0	250	150	102	80-120	0.937	20	
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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 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 02/25/25 13:36
---	--	------------------------------------

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

Released to Imaging: 3/19/2026 11:12:09 AM

Received by OCD: 3/3/2026 6:56:44 AM

<b>Client Information</b>				<b>Invoice Information</b>				<b>Lab Use Only</b>				<b>TAT</b>				<b>State</b>			
Client: Devon				Company: Devon Energy				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX
Project: Beetle Juice 19 Fed 3H Battery				Address: 5315 Buena Vista Dr				E502 79		2058-0007					x	x			
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: (575)689-7597															
City, State, Zip: Carlsbad NM, 88220				Email: jim.raley@dvn.com															
Phone: 575-988-0055				Miscellaneous: Jim Raley															
Email: agiovengo@ensolum.com																			

Sample Information										Analysis and Method								EPA Program		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA			
12:17	2/18/2025	S	1	FS01 - 0.5		1						X								
12:20	2/18/2025	S	1	FS02 - 1'		2						X								
12:24	2/18/2025	S	1	FS03 - 1'		3						X								
12:09	2/18/2025	S	1	FS05 - 0.5'		4						X								
9:24	2/18/2025	S	1	FS15 - 1'		5						X								
10:38	2/18/2025	S	1	FS16 - 1.5'		6						X								
10:43	2/18/2025	S	1	FS18 - 1.5'		7						X								
10:51	2/18/2025	S	1	FS20 - 1.5'		8						X								
9:37	2/18/2025	S	1	FS21 - 1.5'		9						X								

**Additional Instructions:** Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@dvn.com, iestrella@ensolum.com, chamilton@ensolum.com, bsimmons@ensolum.com oaderinto@ensolum.com

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

Relinquished by: (Signature) <i>Oluwale Aderinto</i>						Date	Time	Received by: (Signature) <i>Michelle Gonzales</i>		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.
Relinquished by: (Signature) <i>Michelle Gonzales</i>						2-19-25	08:15	Received by: (Signature) <i>Richard Gonzalez</i>		2-19-25	1130	
Relinquished by: (Signature) <i>Richard Gonzalez</i>						2-19-25	1620	Received by: (Signature) <i>Caitlynn</i>		2-19-25	1620	
Relinquished by: (Signature)						2-19-25	2200	Received by: (Signature)		2-20-25	130	

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.

Page 19 of 20

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### Envirotech Analytical Laboratory

Printed: 2/20/2025 9:05:44AM

#### Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Devon Energy - Carlsbad	Date Received:	02/20/25 07:30	Work Order ID:	E502179
Phone:	(505) 382-1211	Date Logged In:	02/19/25 14:55	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	02/26/25 17:00 (4 day TAT)		

#### Chain of Custody (COC)

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

Carrier: Courier

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

#### 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: Beetle Juice 19 Fed 3H Battery

Work Order: E502194

Job Number: 01058-0007

Received: 2/21/2025

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
2/27/25

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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

Date Reported: 2/27/25



Ashley Giovengo  
6488 7 Rivers Hwy  
Artesia, NM 88210

Project Name: Beetle Juice 19 Fed 3H Battery  
Workorder: E502194  
Date Received: 2/21/2025 4:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/21/2025 4:30:00AM, under the Project Name: Beetle Juice 19 Fed 3H Battery.

The analytical test results summarized in this report with the Project Name: Beetle Juice 19 Fed 3H Battery 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](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
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**Michelle Gonzales**  
Client Representative  
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[mgonzales@envirotech-inc.com](mailto:mgonzales@envirotech-inc.com)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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### Sample Summary

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 02/27/25 08:53
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS07-0.5'	E502194-01A	Soil	02/19/25	02/21/25	Glass Jar, 2 oz.
FS09-0.5'	E502194-02A	Soil	02/19/25	02/21/25	Glass Jar, 2 oz.
FS10-1'	E502194-03A	Soil	02/19/25	02/21/25	Glass Jar, 2 oz.
FS11-1'	E502194-04A	Soil	02/19/25	02/21/25	Glass Jar, 2 oz.
FS12-0.5'	E502194-05A	Soil	02/19/25	02/21/25	Glass Jar, 2 oz.
FS13-0.5'	E502194-06A	Soil	02/19/25	02/21/25	Glass Jar, 2 oz.
FS14-0.5'	E502194-07A	Soil	02/19/25	02/21/25	Glass Jar, 2 oz.
FS17-2'	E502194-08A	Soil	02/19/25	02/21/25	Glass Jar, 2 oz.
FS19-2'	E502194-09A	Soil	02/19/25	02/21/25	Glass Jar, 2 oz.



### Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 2/27/2025 8:53:06AM
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**FS07-0.5'**

**E502194-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>		mg/kg	mg/kg	Analyst: RKS		Batch: 2508103
Benzene	ND	0.0250	1	02/21/25	02/22/25	
Ethylbenzene	ND	0.0250	1	02/21/25	02/22/25	
Toluene	ND	0.0250	1	02/21/25	02/22/25	
o-Xylene	ND	0.0250	1	02/21/25	02/22/25	
p,m-Xylene	ND	0.0500	1	02/21/25	02/22/25	
Total Xylenes	ND	0.0250	1	02/21/25	02/22/25	
<i>Surrogate: Bromofluorobenzene</i>		96.6 %	70-130	02/21/25	02/22/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		93.1 %	70-130	02/21/25	02/22/25	
<i>Surrogate: Toluene-d8</i>		98.9 %	70-130	02/21/25	02/22/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>		mg/kg	mg/kg	Analyst: RKS		Batch: 2508103
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/21/25	02/22/25	
<i>Surrogate: Bromofluorobenzene</i>		96.6 %	70-130	02/21/25	02/22/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		93.1 %	70-130	02/21/25	02/22/25	
<i>Surrogate: Toluene-d8</i>		98.9 %	70-130	02/21/25	02/22/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>		mg/kg	mg/kg	Analyst: AF		Batch: 2508107
Diesel Range Organics (C10-C28)	ND	25.0	1	02/21/25	02/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/21/25	02/22/25	
<i>Surrogate: n-Nonane</i>		115 %	61-141	02/21/25	02/22/25	
<b>Anions by EPA 300.0/9056A</b>		mg/kg	mg/kg	Analyst: RAS		Batch: 2508115
Chloride	283	20.0	1	02/21/25	02/21/25	



### Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 2/27/2025 8:53:06AM
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**FS09-0.5'**

**E502194-02**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2508103
Benzene	ND	0.0250	1	02/21/25	02/22/25	
Ethylbenzene	ND	0.0250	1	02/21/25	02/22/25	
Toluene	ND	0.0250	1	02/21/25	02/22/25	
o-Xylene	ND	0.0250	1	02/21/25	02/22/25	
p,m-Xylene	ND	0.0500	1	02/21/25	02/22/25	
Total Xylenes	ND	0.0250	1	02/21/25	02/22/25	
<i>Surrogate: Bromofluorobenzene</i>		94.7 %	70-130	02/21/25	02/22/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		93.5 %	70-130	02/21/25	02/22/25	
<i>Surrogate: Toluene-d8</i>		97.2 %	70-130	02/21/25	02/22/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2508103
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/21/25	02/22/25	
<i>Surrogate: Bromofluorobenzene</i>		94.7 %	70-130	02/21/25	02/22/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		93.5 %	70-130	02/21/25	02/22/25	
<i>Surrogate: Toluene-d8</i>		97.2 %	70-130	02/21/25	02/22/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: AF		Batch: 2508107
Diesel Range Organics (C10-C28)	ND	25.0	1	02/21/25	02/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/21/25	02/22/25	
<i>Surrogate: n-Nonane</i>		113 %	61-141	02/21/25	02/22/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2508115
Chloride	447	20.0	1	02/21/25	02/21/25	



### Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 2/27/2025 8:53:06AM
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**FS10-1'**

**E502194-03**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2508103
Benzene	ND	0.0250	1	02/21/25	02/22/25	
Ethylbenzene	ND	0.0250	1	02/21/25	02/22/25	
Toluene	ND	0.0250	1	02/21/25	02/22/25	
o-Xylene	ND	0.0250	1	02/21/25	02/22/25	
p,m-Xylene	ND	0.0500	1	02/21/25	02/22/25	
Total Xylenes	ND	0.0250	1	02/21/25	02/22/25	
<i>Surrogate: Bromofluorobenzene</i>		95.7 %	70-130	02/21/25	02/22/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.6 %	70-130	02/21/25	02/22/25	
<i>Surrogate: Toluene-d8</i>		97.7 %	70-130	02/21/25	02/22/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2508103
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/21/25	02/22/25	
<i>Surrogate: Bromofluorobenzene</i>		95.7 %	70-130	02/21/25	02/22/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.6 %	70-130	02/21/25	02/22/25	
<i>Surrogate: Toluene-d8</i>		97.7 %	70-130	02/21/25	02/22/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: AF		Batch: 2508107
Diesel Range Organics (C10-C28)	ND	25.0	1	02/21/25	02/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/21/25	02/22/25	
<i>Surrogate: n-Nonane</i>		116 %	61-141	02/21/25	02/22/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2508115
Chloride	280	20.0	1	02/21/25	02/21/25	



### Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 2/27/2025 8:53:06AM
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**FS11-1'**

**E502194-04**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2508103
Benzene	ND	0.0250	1	02/21/25	02/22/25	
Ethylbenzene	ND	0.0250	1	02/21/25	02/22/25	
Toluene	ND	0.0250	1	02/21/25	02/22/25	
o-Xylene	ND	0.0250	1	02/21/25	02/22/25	
p,m-Xylene	ND	0.0500	1	02/21/25	02/22/25	
Total Xylenes	ND	0.0250	1	02/21/25	02/22/25	
<i>Surrogate: Bromofluorobenzene</i>		95.5 %	70-130	02/21/25	02/22/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		93.7 %	70-130	02/21/25	02/22/25	
<i>Surrogate: Toluene-d8</i>		97.3 %	70-130	02/21/25	02/22/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2508103
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/21/25	02/22/25	
<i>Surrogate: Bromofluorobenzene</i>		95.5 %	70-130	02/21/25	02/22/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		93.7 %	70-130	02/21/25	02/22/25	
<i>Surrogate: Toluene-d8</i>		97.3 %	70-130	02/21/25	02/22/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: AF		Batch: 2508107
Diesel Range Organics (C10-C28)	ND	25.0	1	02/21/25	02/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/21/25	02/22/25	
<i>Surrogate: n-Nonane</i>		114 %	61-141	02/21/25	02/22/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2508115
Chloride	394	20.0	1	02/21/25	02/21/25	



### Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 2/27/2025 8:53:06AM
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**FS12-0.5'**

**E502194-05**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2508103
Benzene	ND	0.0250	1	02/21/25	02/22/25	
Ethylbenzene	ND	0.0250	1	02/21/25	02/22/25	
Toluene	ND	0.0250	1	02/21/25	02/22/25	
o-Xylene	ND	0.0250	1	02/21/25	02/22/25	
p,m-Xylene	ND	0.0500	1	02/21/25	02/22/25	
Total Xylenes	ND	0.0250	1	02/21/25	02/22/25	
<i>Surrogate: Bromofluorobenzene</i>		94.9 %	70-130	02/21/25	02/22/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.3 %	70-130	02/21/25	02/22/25	
<i>Surrogate: Toluene-d8</i>		97.7 %	70-130	02/21/25	02/22/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2508103
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/21/25	02/22/25	
<i>Surrogate: Bromofluorobenzene</i>		94.9 %	70-130	02/21/25	02/22/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.3 %	70-130	02/21/25	02/22/25	
<i>Surrogate: Toluene-d8</i>		97.7 %	70-130	02/21/25	02/22/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: AF		Batch: 2508107
Diesel Range Organics (C10-C28)	ND	25.0	1	02/21/25	02/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/21/25	02/22/25	
<i>Surrogate: n-Nonane</i>		118 %	61-141	02/21/25	02/22/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2508115
Chloride	327	20.0	1	02/21/25	02/21/25	



### Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 2/27/2025 8:53:06AM
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**FS13-0.5'**

**E502194-06**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2508103
Benzene	ND	0.0250	1	02/21/25	02/22/25	
Ethylbenzene	ND	0.0250	1	02/21/25	02/22/25	
Toluene	ND	0.0250	1	02/21/25	02/22/25	
o-Xylene	ND	0.0250	1	02/21/25	02/22/25	
p,m-Xylene	ND	0.0500	1	02/21/25	02/22/25	
Total Xylenes	ND	0.0250	1	02/21/25	02/22/25	
<i>Surrogate: Bromofluorobenzene</i>		96.7 %	70-130	02/21/25	02/22/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.5 %	70-130	02/21/25	02/22/25	
<i>Surrogate: Toluene-d8</i>		98.1 %	70-130	02/21/25	02/22/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RKS		Batch: 2508103
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/21/25	02/22/25	
<i>Surrogate: Bromofluorobenzene</i>		96.7 %	70-130	02/21/25	02/22/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.5 %	70-130	02/21/25	02/22/25	
<i>Surrogate: Toluene-d8</i>		98.1 %	70-130	02/21/25	02/22/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: AF		Batch: 2508107
Diesel Range Organics (C10-C28)	ND	25.0	1	02/21/25	02/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/21/25	02/22/25	
<i>Surrogate: n-Nonane</i>		117 %	61-141	02/21/25	02/22/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: RAS		Batch: 2508115
Chloride	238	20.0	1	02/21/25	02/21/25	



### Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 2/27/2025 8:53:06AM
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**FS14-0.5'**

**E502194-07**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2508103
Benzene	ND	0.0250	1	02/21/25	02/22/25	
Ethylbenzene	ND	0.0250	1	02/21/25	02/22/25	
Toluene	ND	0.0250	1	02/21/25	02/22/25	
o-Xylene	ND	0.0250	1	02/21/25	02/22/25	
p,m-Xylene	ND	0.0500	1	02/21/25	02/22/25	
Total Xylenes	ND	0.0250	1	02/21/25	02/22/25	
<i>Surrogate: Bromofluorobenzene</i>		95.9 %	70-130	02/21/25	02/22/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.1 %	70-130	02/21/25	02/22/25	
<i>Surrogate: Toluene-d8</i>		100 %	70-130	02/21/25	02/22/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2508103
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/21/25	02/22/25	
<i>Surrogate: Bromofluorobenzene</i>		95.9 %	70-130	02/21/25	02/22/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.1 %	70-130	02/21/25	02/22/25	
<i>Surrogate: Toluene-d8</i>		100 %	70-130	02/21/25	02/22/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: AF		Batch: 2508107
Diesel Range Organics (C10-C28)	ND	25.0	1	02/21/25	02/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/21/25	02/22/25	
<i>Surrogate: n-Nonane</i>		121 %	61-141	02/21/25	02/22/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2508115
Chloride	266	20.0	1	02/21/25	02/21/25	



### Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 2/27/2025 8:53:06AM
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**FS17-2'**

**E502194-08**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2508103
Benzene	ND	0.0250	1	02/21/25	02/22/25	
Ethylbenzene	ND	0.0250	1	02/21/25	02/22/25	
Toluene	ND	0.0250	1	02/21/25	02/22/25	
o-Xylene	ND	0.0250	1	02/21/25	02/22/25	
p,m-Xylene	ND	0.0500	1	02/21/25	02/22/25	
Total Xylenes	ND	0.0250	1	02/21/25	02/22/25	
<i>Surrogate: Bromofluorobenzene</i>		95.7 %	70-130	02/21/25	02/22/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.8 %	70-130	02/21/25	02/22/25	
<i>Surrogate: Toluene-d8</i>		97.0 %	70-130	02/21/25	02/22/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2508103
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/21/25	02/22/25	
<i>Surrogate: Bromofluorobenzene</i>		95.7 %	70-130	02/21/25	02/22/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.8 %	70-130	02/21/25	02/22/25	
<i>Surrogate: Toluene-d8</i>		97.0 %	70-130	02/21/25	02/22/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: AF		Batch: 2508107
Diesel Range Organics (C10-C28)	ND	25.0	1	02/21/25	02/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/21/25	02/22/25	
<i>Surrogate: n-Nonane</i>		119 %	61-141	02/21/25	02/22/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2508115
Chloride	226	20.0	1	02/21/25	02/21/25	



### Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 2/27/2025 8:53:06AM
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**FS19-2'**

**E502194-09**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2508103	
Benzene	ND	0.0250	1	02/21/25	02/22/25	
Ethylbenzene	ND	0.0250	1	02/21/25	02/22/25	
Toluene	ND	0.0250	1	02/21/25	02/22/25	
o-Xylene	ND	0.0250	1	02/21/25	02/22/25	
p,m-Xylene	ND	0.0500	1	02/21/25	02/22/25	
Total Xylenes	ND	0.0250	1	02/21/25	02/22/25	
<i>Surrogate: Bromofluorobenzene</i>		96.8 %	70-130	02/21/25	02/22/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		92.5 %	70-130	02/21/25	02/22/25	
<i>Surrogate: Toluene-d8</i>		99.6 %	70-130	02/21/25	02/22/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2508103	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/21/25	02/22/25	
<i>Surrogate: Bromofluorobenzene</i>		96.8 %	70-130	02/21/25	02/22/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		92.5 %	70-130	02/21/25	02/22/25	
<i>Surrogate: Toluene-d8</i>		99.6 %	70-130	02/21/25	02/22/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: AF		Batch: 2508107	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/21/25	02/22/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/21/25	02/22/25	
<i>Surrogate: n-Nonane</i>		117 %	61-141	02/21/25	02/22/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2508115	
Chloride	438	20.0	1	02/21/25	02/21/25	



### QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 2/27/2025 8:53:06AM
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#### Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec % %	Rec Limits %	RPD % %	RPD Limit %	Notes
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#### Blank (2508103-BLK1)

Prepared: 02/21/25 Analyzed: 02/21/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.479		0.500		95.8		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.490		0.500		98.0		70-130		
Surrogate: Toluene-d8	0.485		0.500		96.9		70-130		

#### LCS (2508103-BS1)

Prepared: 02/21/25 Analyzed: 02/21/25

Benzene	2.50	0.0250	2.50		99.8		70-130		
Ethylbenzene	2.42	0.0250	2.50		96.8		70-130		
Toluene	2.36	0.0250	2.50		94.4		70-130		
o-Xylene	2.29	0.0250	2.50		91.7		70-130		
p,m-Xylene	4.58	0.0500	5.00		91.6		70-130		
Total Xylenes	6.87	0.0250	7.50		91.6		70-130		
Surrogate: Bromofluorobenzene	0.486		0.500		97.1		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.485		0.500		97.0		70-130		
Surrogate: Toluene-d8	0.484		0.500		96.8		70-130		

#### Matrix Spike (2508103-MS1)

Source: E502193-05

Prepared: 02/21/25 Analyzed: 02/21/25

Benzene	2.47	0.0250	2.50	ND	98.8		48-131		
Ethylbenzene	2.39	0.0250	2.50	ND	95.7		45-135		
Toluene	2.35	0.0250	2.50	ND	94.0		48-130		
o-Xylene	2.32	0.0250	2.50	ND	92.6		43-135		
p,m-Xylene	4.63	0.0500	5.00	ND	92.7		43-135		
Total Xylenes	6.95	0.0250	7.50	ND	92.7		43-135		
Surrogate: Bromofluorobenzene	0.486		0.500		97.1		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.487		0.500		97.3		70-130		
Surrogate: Toluene-d8	0.477		0.500		95.4		70-130		

#### Matrix Spike Dup (2508103-MSD1)

Source: E502193-05

Prepared: 02/21/25 Analyzed: 02/21/25

Benzene	2.03	0.0250	2.50	ND	81.4		48-131	19.4	23
Ethylbenzene	1.98	0.0250	2.50	ND	79.3		45-135	18.8	27
Toluene	1.94	0.0250	2.50	ND	77.5		48-130	19.2	24
o-Xylene	1.90	0.0250	2.50	ND	75.9		43-135	19.8	27
p,m-Xylene	3.81	0.0500	5.00	ND	76.2		43-135	19.5	27
Total Xylenes	5.71	0.0250	7.50	ND	76.1		43-135	19.6	27
Surrogate: Bromofluorobenzene	0.480		0.500		96.0		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.480		0.500		96.0		70-130		
Surrogate: Toluene-d8	0.478		0.500		95.5		70-130		



### QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 2/27/2025 8:53:06AM
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#### 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 (2508103-BLK1)**

Prepared: 02/21/25 Analyzed: 02/21/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.479		0.500		95.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.490		0.500		98.0	70-130			
Surrogate: Toluene-d8	0.485		0.500		96.9	70-130			

**LCS (2508103-BS2)**

Prepared: 02/21/25 Analyzed: 02/21/25

Gasoline Range Organics (C6-C10)	44.1	20.0	50.0		88.2	70-130			
Surrogate: Bromofluorobenzene	0.487		0.500		97.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.486		0.500		97.2	70-130			
Surrogate: Toluene-d8	0.495		0.500		99.0	70-130			

**Matrix Spike (2508103-MS2)**

Source: E502193-05

Prepared: 02/21/25 Analyzed: 02/21/25

Gasoline Range Organics (C6-C10)	43.3	20.0	50.0	ND	86.6	70-130			
Surrogate: Bromofluorobenzene	0.489		0.500		97.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.475		0.500		94.9	70-130			
Surrogate: Toluene-d8	0.488		0.500		97.5	70-130			

**Matrix Spike Dup (2508103-MSD2)**

Source: E502193-05

Prepared: 02/21/25 Analyzed: 02/21/25

Gasoline Range Organics (C6-C10)	42.1	20.0	50.0	ND	84.2	70-130	2.88	20	
Surrogate: Bromofluorobenzene	0.482		0.500		96.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.480		0.500		95.9	70-130			
Surrogate: Toluene-d8	0.495		0.500		98.9	70-130			



### QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 2/27/2025 8:53:06AM
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#### Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: AF

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2508107-BLK1)**

Prepared: 02/21/25 Analyzed: 02/21/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	53.7		50.0		107	61-141			

**LCS (2508107-BS1)**

Prepared: 02/21/25 Analyzed: 02/21/25

Diesel Range Organics (C10-C28)	277	25.0	250		111	66-144			
Surrogate: <i>n</i> -Nonane	55.3		50.0		111	61-141			

**Matrix Spike (2508107-MS1)**

Source: E502194-05

Prepared: 02/21/25 Analyzed: 02/22/25

Diesel Range Organics (C10-C28)	344	25.0	250	ND	137	56-156			
Surrogate: <i>n</i> -Nonane	58.2		50.0		116	61-141			

**Matrix Spike Dup (2508107-MSD1)**

Source: E502194-05

Prepared: 02/21/25 Analyzed: 02/22/25

Diesel Range Organics (C10-C28)	351	25.0	250	ND	140	56-156	2.01	20	
Surrogate: <i>n</i> -Nonane	58.9		50.0		118	61-141			



### QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 2/27/2025 8:53:06AM
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#### Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2508115-BLK1)**

Prepared: 02/21/25 Analyzed: 02/21/25

Chloride ND 20.0

**LCS (2508115-BS1)**

Prepared: 02/21/25 Analyzed: 02/21/25

Chloride 258 20.0 250 103 90-110

**Matrix Spike (2508115-MS1)**

Source: E502193-04

Prepared: 02/21/25 Analyzed: 02/21/25

Chloride 258 20.0 250 ND 103 80-120

**Matrix Spike Dup (2508115-MSD1)**

Source: E502193-04

Prepared: 02/21/25 Analyzed: 02/21/25

Chloride 259 20.0 250 ND 104 80-120 0.267 20

QC Summary Report Comment:

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



## Definitions and Notes

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 02/27/25 08:53
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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

Released to Imaging: 3/19/2026 11:12:09 AM

Received by OCD: 3/3/2026 6:56:44 AM

Client Information				Invoice Information				Lab Use Only				TAT				State			
Client: Devon				Company: Devon Energy				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX
Project: Beetle Juice 19 Fed 3H Battery				Address: 5315 Buena Vista Dr				E502194		01058-0007					x	x			
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: (575)689-7597															
City, State, Zip: Carlsbad NM, 88220				Email: jim.raley@dvn.com															
Phone: 575-988-0055				Miscellaneous: Jim Raley															
Email: agiovengo@ensolum.com																			
Sample Information																			
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	Remarks				
11:54	2/19/2025	S	1	FS07 - 0.5'		1						X							
10:17	2/19/2025	S	1	FS09 - 0.5'		2						X							
14:51	2/19/2025	S	1	FS10 - 1'		3						X							
14:53	2/19/2025	S	1	FS11 - 1'		4						X							
10:07	2/19/2025	S	1	FS12 - 0.5'		5						X							
12:18	2/19/2025	S	1	FS13 - 0.5'		6						X							
10:28	2/19/2025	S	1	FS14 - 0.5'		7						X							
12:56	2/19/2025	S	1	FS17 - 2'		8						X							
12:58	2/19/2025	S	1	FS19 - 2'		9						X							
<b>Additional Instructions:</b> Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@dvn.com, iestrella@ensolum.com, chamilton@ensolum.com, bsimmons@ensolum.com oaderinto@ensolum.com I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Oluwale Aderinto																			
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y / N T1 _____ T2 _____ T3 _____ AVG Temp °C 4											
Oluwale Aderinto		02/20/25	08:15	Michelle Gonzales		2-20-25	0815												
Michelle Gonzales		2-20-25	1640	John H.		2-20-25	1730												
John H.		2-20-25	2400	Kuyuph H. Heely		2-21-25	0430												
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																			
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			

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Envirotech Analytical Laboratory

Printed: 2/21/2025 10:21:12AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client: Devon Energy - Carlsbad Date Received: 02/21/25 04:30 Work Order ID: E502194
Phone: (505) 382-1211 Date Logged In: 02/20/25 15:45 Logged In By: Caitlin Mars
Email: agiovengo@ensolum.com Due Date: 02/27/25 17:00 (4 day TAT)

Chain of Custody (COC)

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

Carrier: Courier

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

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

Empty box for client instruction.

Comments/Resolution

Large empty box for comments/resolution.

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: Beetle Juice 19 Fed 3H Battery

Work Order: E502205

Job Number: 01058-0007

Received: 2/22/2025

Revision: 4

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
3/5/25

5796 U.S. Hwy 64  
Farmington, NM 87401

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



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.  
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.  
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: 3/5/25

Ashley Giovengo  
6488 7 Rivers Hwy  
Artesia, NM 88210

Project Name: Beetle Juice 19 Fed 3H Battery  
Workorder: E502205  
Date Received: 2/22/2025 5:00:10AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/22/2025 5:00:10AM, under the Project Name: Beetle Juice 19 Fed 3H Battery.

The analytical test results summarized in this report with the Project Name: Beetle Juice 19 Fed 3H Battery apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

**Walter Hinchman**  
Laboratory Director  
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Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
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[mgonzales@envirotech-inc.com](mailto:mgonzales@envirotech-inc.com)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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### Sample Summary

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 03/05/25 13:45
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS06-2'	E502205-01A	Soil	02/20/25	02/22/25	Glass Jar, 2 oz.
SW01-0-1.5'	E502205-02A	Soil	02/20/25	02/22/25	Glass Jar, 2 oz.
SW02-0-1.5'	E502205-03A	Soil	02/20/25	02/22/25	Glass Jar, 2 oz.
SW04-0-3'	E502205-04A	Soil	02/20/25	02/22/25	Glass Jar, 2 oz.
SW05-0-0.5'	E502205-05A	Soil	02/20/25	02/22/25	Glass Jar, 2 oz.
BH06-10'	E502205-06A	Soil	02/20/25	02/22/25	Glass Jar, 2 oz.
BH07-2'	E502205-07A	Soil	02/20/25	02/22/25	Glass Jar, 2 oz.
BH06-5'	E502205-08A	Soil	02/20/25	02/22/25	Glass Jar, 2 oz.
SW03-0-1.5'	E502205-09A	Soil	02/20/25	02/22/25	Glass Jar, 2 oz.
SW06-0-3'	E502205-10A	Soil	02/20/25	02/22/25	Glass Jar, 2 oz.
FS04-3'	E502205-11A	Soil	02/20/25	02/22/25	Glass Jar, 2 oz.
FS08-3'	E502205-12A	Soil	02/20/25	02/22/25	Glass Jar, 2 oz.



Case Narrative:

Project Name: Beetle Juice 19 Fed 3H Battery

Workorder:E502205

Date Received: 02/22/25 05:00

The client requested the following sample(s) to be re-extracted and re-analyzed:

<u>Sample Name</u>	<u>Laboratory ID</u>	<u>Analysis</u>
SW04 - 0 - 0.5	E502205-04A	DRO/ORO 8015
FS08 - 3'	E502205-12A	300.0 Chloride

The analytical test results summarized in this revised report represent this re-extraction and re-analysis.

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

Respectfully,

Walter Hinchman



### Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 3/5/2025 1:45:21PM
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**FS06-2'**

**E502205-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2508126	
Benzene	ND	0.0250	1	02/22/25	02/22/25	
Ethylbenzene	ND	0.0250	1	02/22/25	02/22/25	
Toluene	ND	0.0250	1	02/22/25	02/22/25	
o-Xylene	ND	0.0250	1	02/22/25	02/22/25	
p,m-Xylene	ND	0.0500	1	02/22/25	02/22/25	
Total Xylenes	ND	0.0250	1	02/22/25	02/22/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	02/22/25	02/22/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2508126	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/22/25	02/22/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		84.4 %	70-130	02/22/25	02/22/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2508136	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/22/25	02/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/22/25	02/23/25	
<i>Surrogate: n-Nonane</i>		106 %	61-141	02/22/25	02/23/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2509002	
Chloride	530	20.0	1	02/23/25	02/23/25	



### Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 3/5/2025 1:45:21PM
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**SW01-0-1.5'**

**E502205-02**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2508126
Benzene	ND	0.0250	1	02/22/25	02/22/25	
Ethylbenzene	ND	0.0250	1	02/22/25	02/22/25	
Toluene	ND	0.0250	1	02/22/25	02/22/25	
o-Xylene	ND	0.0250	1	02/22/25	02/22/25	
p,m-Xylene	ND	0.0500	1	02/22/25	02/22/25	
Total Xylenes	ND	0.0250	1	02/22/25	02/22/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	02/22/25	02/22/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2508126
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/22/25	02/22/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		83.8 %	70-130	02/22/25	02/22/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2508136
Diesel Range Organics (C10-C28)	ND	25.0	1	02/22/25	02/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/22/25	02/23/25	
<i>Surrogate: n-Nonane</i>						
		108 %	61-141	02/22/25	02/23/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2509002
Chloride	96.1	20.0	1	02/23/25	02/23/25	



### Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 3/5/2025 1:45:21PM
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**SW02-0-1.5'**

**E502205-03**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2508126
Benzene	ND	0.0250	1	02/22/25	02/22/25	
Ethylbenzene	ND	0.0250	1	02/22/25	02/22/25	
Toluene	ND	0.0250	1	02/22/25	02/22/25	
o-Xylene	ND	0.0250	1	02/22/25	02/22/25	
p,m-Xylene	ND	0.0500	1	02/22/25	02/22/25	
Total Xylenes	ND	0.0250	1	02/22/25	02/22/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	70-130	02/22/25	02/22/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2508126
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/22/25	02/22/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		84.5 %	70-130	02/22/25	02/22/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: NV		Batch: 2508136
Diesel Range Organics (C10-C28)	ND	25.0	1	02/22/25	02/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/22/25	02/23/25	
<i>Surrogate: n-Nonane</i>		107 %	61-141	02/22/25	02/23/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2509002
Chloride	69.4	20.0	1	02/23/25	02/23/25	



### Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 3/5/2025 1:45:21PM
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**SW04-0-3'**

**E502205-04**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2508126
Benzene	ND	0.0250	1	02/22/25	02/22/25	
Ethylbenzene	ND	0.0250	1	02/22/25	02/22/25	
Toluene	ND	0.0250	1	02/22/25	02/22/25	
o-Xylene	ND	0.0250	1	02/22/25	02/22/25	
p,m-Xylene	ND	0.0500	1	02/22/25	02/22/25	
Total Xylenes	ND	0.0250	1	02/22/25	02/22/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		97.1 %	70-130	02/22/25	02/22/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2508126
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/22/25	02/22/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		84.5 %	70-130	02/22/25	02/22/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KH		Batch: 2509093
Diesel Range Organics (C10-C28)	ND	25.0	1	02/27/25	02/27/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/27/25	02/27/25	
<i>Surrogate: n-Nonane</i>						
		98.4 %	61-141	02/27/25	02/27/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2509002
Chloride	<b>289</b>	20.0	1	02/23/25	02/23/25	



### Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 3/5/2025 1:45:21PM
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**SW05-0-0.5'**

**E502205-05**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2508126
Benzene	ND	0.0250	1	02/22/25	02/22/25	
Ethylbenzene	ND	0.0250	1	02/22/25	02/22/25	
Toluene	ND	0.0250	1	02/22/25	02/22/25	
o-Xylene	ND	0.0250	1	02/22/25	02/22/25	
p,m-Xylene	ND	0.0500	1	02/22/25	02/22/25	
Total Xylenes	ND	0.0250	1	02/22/25	02/22/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	02/22/25	02/22/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2508126
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/22/25	02/22/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		85.2 %	70-130	02/22/25	02/22/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: NV		Batch: 2508136
Diesel Range Organics (C10-C28)	ND	25.0	1	02/22/25	02/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/22/25	02/23/25	
<i>Surrogate: n-Nonane</i>		104 %	61-141	02/22/25	02/23/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2509002
Chloride	151	20.0	1	02/23/25	02/23/25	



### Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 3/5/2025 1:45:21PM
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**BH06-10'**

**E502205-06**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2508126
Benzene	ND	0.0250	1	02/22/25	02/22/25	
Ethylbenzene	ND	0.0250	1	02/22/25	02/22/25	
Toluene	ND	0.0250	1	02/22/25	02/22/25	
o-Xylene	ND	0.0250	1	02/22/25	02/22/25	
p,m-Xylene	ND	0.0500	1	02/22/25	02/22/25	
Total Xylenes	ND	0.0250	1	02/22/25	02/22/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.9 %	70-130	02/22/25	02/22/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2508126
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/22/25	02/22/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		85.6 %	70-130	02/22/25	02/22/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: NV		Batch: 2508136
Diesel Range Organics (C10-C28)	ND	25.0	1	02/22/25	02/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/22/25	02/23/25	
<i>Surrogate: n-Nonane</i>		103 %	61-141	02/22/25	02/23/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2509002
Chloride	314	20.0	1	02/23/25	02/23/25	



### Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 3/5/2025 1:45:21PM
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**BH07-2'**

**E502205-07**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2508126
Benzene	ND	0.0250	1	02/22/25	02/22/25	
Ethylbenzene	ND	0.0250	1	02/22/25	02/22/25	
Toluene	ND	0.0250	1	02/22/25	02/22/25	
o-Xylene	ND	0.0250	1	02/22/25	02/22/25	
p,m-Xylene	ND	0.0500	1	02/22/25	02/22/25	
Total Xylenes	ND	0.0250	1	02/22/25	02/22/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.6 %	70-130	02/22/25	02/22/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2508126
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/22/25	02/22/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		85.3 %	70-130	02/22/25	02/22/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: NV		Batch: 2508136
Diesel Range Organics (C10-C28)	ND	25.0	1	02/22/25	02/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/22/25	02/23/25	
<i>Surrogate: n-Nonane</i>		109 %	61-141	02/22/25	02/23/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2509002
Chloride	38.7	20.0	1	02/23/25	02/23/25	



### Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 3/5/2025 1:45:21PM
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**BH06-5'**  
**E502205-08**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2508126
Benzene	ND	0.0250	1	02/22/25	02/22/25	
Ethylbenzene	ND	0.0250	1	02/22/25	02/22/25	
Toluene	ND	0.0250	1	02/22/25	02/22/25	
o-Xylene	ND	0.0250	1	02/22/25	02/22/25	
p,m-Xylene	ND	0.0500	1	02/22/25	02/22/25	
Total Xylenes	ND	0.0250	1	02/22/25	02/22/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.8 %	70-130	02/22/25	02/22/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2508126
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/22/25	02/22/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		85.8 %	70-130	02/22/25	02/22/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: NV		Batch: 2508136
Diesel Range Organics (C10-C28)	ND	25.0	1	02/22/25	02/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/22/25	02/23/25	
<i>Surrogate: n-Nonane</i>		108 %	61-141	02/22/25	02/23/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2509002
Chloride	1980	20.0	1	02/23/25	02/23/25	



### Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 3/5/2025 1:45:21PM
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**SW03-0-1.5'**

**E502205-09**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2508126
Benzene	ND	0.0250	1	02/22/25	02/22/25	
Ethylbenzene	ND	0.0250	1	02/22/25	02/22/25	
Toluene	ND	0.0250	1	02/22/25	02/22/25	
o-Xylene	ND	0.0250	1	02/22/25	02/22/25	
p,m-Xylene	ND	0.0500	1	02/22/25	02/22/25	
Total Xylenes	ND	0.0250	1	02/22/25	02/22/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.5 %	70-130	02/22/25	02/22/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2508126
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/22/25	02/22/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		86.3 %	70-130	02/22/25	02/22/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: NV		Batch: 2508136
Diesel Range Organics (C10-C28)	ND	25.0	1	02/22/25	02/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/22/25	02/23/25	
<i>Surrogate: n-Nonane</i>		108 %	61-141	02/22/25	02/23/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2509002
Chloride	94.6	20.0	1	02/23/25	02/23/25	



### Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 3/5/2025 1:45:21PM
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**SW06-0-3'**

**E502205-10**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2508126
Benzene	ND	0.0250	1	02/22/25	02/22/25	
Ethylbenzene	ND	0.0250	1	02/22/25	02/22/25	
Toluene	ND	0.0250	1	02/22/25	02/22/25	
o-Xylene	ND	0.0250	1	02/22/25	02/22/25	
p,m-Xylene	ND	0.0500	1	02/22/25	02/22/25	
Total Xylenes	ND	0.0250	1	02/22/25	02/22/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		98.7 %	70-130	02/22/25	02/22/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2508126
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/22/25	02/22/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		86.1 %	70-130	02/22/25	02/22/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2508136
Diesel Range Organics (C10-C28)	ND	25.0	1	02/22/25	02/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/22/25	02/23/25	
<i>Surrogate: n-Nonane</i>						
		106 %	61-141	02/22/25	02/23/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2509002
Chloride	1580	20.0	1	02/23/25	02/23/25	



### Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 3/5/2025 1:45:21PM
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**FS04-3'**

**E502205-11**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2508126
Benzene	ND	0.0250	1	02/22/25	02/22/25	
Ethylbenzene	ND	0.0250	1	02/22/25	02/22/25	
Toluene	ND	0.0250	1	02/22/25	02/22/25	
o-Xylene	ND	0.0250	1	02/22/25	02/22/25	
p,m-Xylene	ND	0.0500	1	02/22/25	02/22/25	
Total Xylenes	ND	0.0250	1	02/22/25	02/22/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.5 %	70-130	02/22/25	02/22/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2508126
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/22/25	02/22/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		85.8 %	70-130	02/22/25	02/22/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: NV		Batch: 2508136
Diesel Range Organics (C10-C28)	ND	25.0	1	02/22/25	02/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/22/25	02/23/25	
<i>Surrogate: n-Nonane</i>		106 %	61-141	02/22/25	02/23/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2509002
Chloride	1370	20.0	1	02/23/25	02/23/25	



### Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 3/5/2025 1:45:21PM
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**FS08-3'**

**E502205-12**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2508126
Benzene	ND	0.0250	1	02/22/25	02/22/25	
Ethylbenzene	ND	0.0250	1	02/22/25	02/22/25	
Toluene	ND	0.0250	1	02/22/25	02/22/25	
o-Xylene	ND	0.0250	1	02/22/25	02/22/25	
p,m-Xylene	ND	0.0500	1	02/22/25	02/22/25	
Total Xylenes	ND	0.0250	1	02/22/25	02/22/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.5 %	70-130	02/22/25	02/22/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: BA		Batch: 2508126
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/22/25	02/22/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		86.5 %	70-130	02/22/25	02/22/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: NV		Batch: 2508136
Diesel Range Organics (C10-C28)	ND	25.0	1	02/22/25	02/23/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/22/25	02/23/25	
<i>Surrogate: n-Nonane</i>		108 %	61-141	02/22/25	02/23/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: AK		Batch: 2509094
Chloride	650	20.0	1	02/27/25	02/27/25	



### QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 3/5/2025 1:45:21PM
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#### Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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#### Blank (2508126-BLK1)

Prepared: 02/22/25 Analyzed: 02/22/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.89		8.00		98.7	70-130			

#### LCS (2508126-BS1)

Prepared: 02/22/25 Analyzed: 02/22/25

Benzene	5.27	0.0250	5.00		105	70-130			
Ethylbenzene	5.15	0.0250	5.00		103	70-130			
Toluene	5.24	0.0250	5.00		105	70-130			
o-Xylene	5.21	0.0250	5.00		104	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	8.02		8.00		100	70-130			

#### Matrix Spike (2508126-MS1)

Source: E502205-05

Prepared: 02/22/25 Analyzed: 02/22/25

Benzene	5.28	0.0250	5.00	ND	106	54-133			
Ethylbenzene	5.15	0.0250	5.00	ND	103	61-133			
Toluene	5.24	0.0250	5.00	ND	105	61-130			
o-Xylene	5.22	0.0250	5.00	ND	104	63-131			
p,m-Xylene	10.5	0.0500	10.0	ND	105	63-131			
Total Xylenes	15.7	0.0250	15.0	ND	105	63-131			
Surrogate: 4-Bromochlorobenzene-PID	8.12		8.00		102	70-130			

#### Matrix Spike Dup (2508126-MSD1)

Source: E502205-05

Prepared: 02/22/25 Analyzed: 02/22/25

Benzene	5.62	0.0250	5.00	ND	112	54-133	6.28	20	
Ethylbenzene	5.49	0.0250	5.00	ND	110	61-133	6.47	20	
Toluene	5.58	0.0250	5.00	ND	112	61-130	6.32	20	
o-Xylene	5.54	0.0250	5.00	ND	111	63-131	5.89	20	
p,m-Xylene	11.2	0.0500	10.0	ND	112	63-131	6.25	20	
Total Xylenes	16.7	0.0250	15.0	ND	111	63-131	6.13	20	
Surrogate: 4-Bromochlorobenzene-PID	8.19		8.00		102	70-130			



### QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 3/5/2025 1:45:21PM
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#### Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec % %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2508126-BLK1)**

Prepared: 02/22/25 Analyzed: 02/22/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.79		8.00		84.9	70-130			

**LCS (2508126-BS2)**

Prepared: 02/22/25 Analyzed: 02/22/25

Gasoline Range Organics (C6-C10)	41.9	20.0	50.0		83.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.96		8.00		87.0	70-130			

**Matrix Spike (2508126-MS2)**

Source: E502205-05

Prepared: 02/22/25 Analyzed: 02/22/25

Gasoline Range Organics (C6-C10)	41.1	20.0	50.0	ND	82.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.89		8.00		86.1	70-130			

**Matrix Spike Dup (2508126-MSD2)**

Source: E502205-05

Prepared: 02/22/25 Analyzed: 02/22/25

Gasoline Range Organics (C6-C10)	41.6	20.0	50.0	ND	83.2	70-130	1.22	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.82		8.00		85.3	70-130			



### QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 3/5/2025 1:45:21PM
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#### Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2508136-BLK1)**

Prepared: 02/22/25 Analyzed: 02/23/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	50.8		50.0		102	61-141			

**LCS (2508136-BS1)**

Prepared: 02/22/25 Analyzed: 02/23/25

Diesel Range Organics (C10-C28)	237	25.0	250		94.9	66-144			
Surrogate: n-Nonane	51.5		50.0		103	61-141			

**Matrix Spike (2508136-MS1)**

Source: E502204-01

Prepared: 02/22/25 Analyzed: 02/23/25

Diesel Range Organics (C10-C28)	269	25.0	250	ND	108	56-156			
Surrogate: n-Nonane	56.6		50.0		113	61-141			

**Matrix Spike Dup (2508136-MSD1)**

Source: E502204-01

Prepared: 02/22/25 Analyzed: 02/23/25

Diesel Range Organics (C10-C28)	246	25.0	250	ND	98.4	56-156	8.82	20	
Surrogate: n-Nonane	54.0		50.0		108	61-141			



### QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 3/5/2025 1:45:21PM
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#### Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2509093-BLK1)**

Prepared: 02/27/25 Analyzed: 02/27/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	46.7		50.0		93.5	61-141			

**LCS (2509093-BS1)**

Prepared: 02/27/25 Analyzed: 02/27/25

Diesel Range Organics (C10-C28)	220	25.0	250		88.0	66-144			
Surrogate: n-Nonane	46.3		50.0		92.6	61-141			

**LCS Dup (2509093-BSD1)**

Prepared: 02/27/25 Analyzed: 02/27/25

Diesel Range Organics (C10-C28)	223	25.0	250		89.1	66-144	1.24	20	
Surrogate: n-Nonane	46.9		50.0		93.9	61-141			



### QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 3/5/2025 1:45:21PM
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#### 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
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**Blank (2509002-BLK1)**

Prepared: 02/23/25 Analyzed: 02/23/25

Chloride ND 20.0

**LCS (2509002-BS1)**

Prepared: 02/23/25 Analyzed: 02/23/25

Chloride 252 20.0 250 101 90-110

**Matrix Spike (2509002-MS1)**

Source: E502205-11

Prepared: 02/23/25 Analyzed: 02/23/25

Chloride 1560 20.0 250 1370 77.5 80-120 M4

**Matrix Spike Dup (2509002-MSD1)**

Source: E502205-11

Prepared: 02/23/25 Analyzed: 02/23/25

Chloride 1580 20.0 250 1370 86.8 80-120 1.47 20



### QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 3/5/2025 1:45:21PM
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#### Anions by EPA 300.0/9056A

Analyst: AK

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2509094-BLK1)**

Prepared: 02/27/25 Analyzed: 02/27/25

Chloride ND 20.0

**LCS (2509094-BS1)**

Prepared: 02/27/25 Analyzed: 02/27/25

Chloride 254 20.0 250 102 90-110

**Matrix Spike (2509094-MS1)**

Source: E502277-04

Prepared: 02/27/25 Analyzed: 02/27/25

Chloride 272 20.0 250 20.5 101 80-120

**Matrix Spike Dup (2509094-MSD1)**

Source: E502277-04

Prepared: 02/27/25 Analyzed: 02/27/25

Chloride 272 20.0 250 20.5 100 80-120 0.0401 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 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 03/05/25 13:45
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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.



<b>Client Information</b>				<b>Invoice Information</b>				<b>Lab Use Only</b>				<b>TAT</b>				<b>State</b>			
Client: Devon				Company: Devon Energy				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX
Project: Beetle Juice 19 Fed 3H Battery				Address: 5315 Buena Vista Dr				E502205		61058-007					X	X			
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: (575)689-7597															
City, State, Zip: Carlsbad NM, 88220				Email: jim.raley@dvn.com															
Phone: 575-988-0055				Miscellaneous: Jim Raley															
Email: agiovengo@ensolum.com																			

Sample Information										Analysis and Method								EPA Program			Remarks
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				
10:06	2/20/2025	S	1	FS06 - 2'		1						X						Client requested re-runs for 2 samples. NS 2-27-25			
9:42	2/20/2025	S	1	SW01 - 0 - 1.5'		2						X									
14:02	2/20/2025	S	1	SW02 - 0 - 1.5'		3						X									
13:26	2/20/2025	S	1	SW04 - 0 - <del>0.5</del> 3'		4	X					X						Corrected			
13:30	2/20/2025	S	1	SW05 - 0 - 0.5'	cm 3/5bs	5						X						Sample depth on Sample #4.			
12:50	2/20/2025	S	1	BH06 - 10'		6						X						Per Cole.B			
14:30	2/20/2025	S	1	BH07 - 2'		7						X						3/5/25 CM			
11:38	2/20/2025	S	1	BH06 - 5'		8						X									
13:24	2/20/2025	S	1	SW03 - 0 - 1.5'		9						X									
13:33	2/20/2025	S	1	SW06 - 0 - 3'		10						X									

**Additional Instructions:** Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@dvn.com, iestrella@ensolum.com, chamilton@ensolum.com, bsimmons@ensolum.com oaderinto@ensolum.com

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

Sampled by: Oluwale Aderinto

Relinquished by: (Signature) Oluwale Aderinto	Date 02/21/25	Time 08:15	Received by: (Signature) Michelle Gonzales	Date 2-21-25	Time 0815	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) Michelle Gonzales	Date 2-21-25	Time 1645	Received by: (Signature) J.L.J.	Date 2-21-25	Time 1645	
Relinquished by: (Signature) John J.	Date 2-21-25	Time 2400	Received by: (Signature) Mittley	Date 2/24/25	Time 800 NS 2-24-25	
Relinquished by: (Signature)	Date	Time	Received by: (Signature) Noe Soto	Date 2-22-25	Time 0500	

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.



<b>Client Information</b>				<b>Invoice Information</b>				<b>Lab Use Only</b>				<b>TAT</b>				<b>State</b>			
Client: Devon				Company: Devon Energy				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX
Project: Beetle Juice 19 Fed 3H Battery				Address: 5315 Buena Vista Dr				E502205		2303.002					X	X			
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: (575)689-7597															
City, State, Zip: Carlsbad NM, 88220				Email: jim.raley@dvn.com															
Phone: 575-988-0055				Miscellaneous: Jim Raley															
Email: agiovengo@ensolum.com																			

Sample Information										Analysis and Method								EPA Program			Remarks
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				
10:58	2/20/2025	S	1	FS04 - 3'		11						X									
11:00	2/20/2025	S	1	FS08 - 3'		12				X	X										

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

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

Relinquished by: (Signature) <i>Oluwale Aderinto</i>		Date 02/21/25	Time 08:15	Received by: (Signature) <i>Michelle Gonzales</i>	Date 2-21-25	Time 0815	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.  Lab Use Only Received on ice: <input checked="" type="radio"/> Y / <input type="radio"/> N  T1 _____ T2 _____ T3 _____  AVG Temp °C <u>4</u>
Relinquished by: (Signature) <i>Michelle Gonzales</i>		Date 2-21-25	Time 1645	Received by: (Signature) <i>[Signature]</i>	Date 2-21-25	Time 1645	
Relinquished by: (Signature) <i>[Signature]</i>		Date 2-21-25	Time 2400	Received by: (Signature) <i>Christina Mann</i>	Date 2/24/25	Time 800 <del>NS</del>	
Relinquished by: (Signature)		Date	Time	Received by: (Signature) <i>Noe Soto</i>	Date 2-22-25	Time 0500	

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other  
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

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



Client Information				Invoice Information				Lab Use Only				TAT				State			
Client: Devon				Company: Devon Energy				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX
Project: Beetle Juice 19 Fed 3H Battery				Address: 5315 Buena Vista Dr				E502205		010580007					x	x			
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: (575)689-7597															
City, State, Zip: Carlsbad NM, 88220				Email: jim.raley@dvn.com															
Phone: 575-988-0055				Miscellaneous: Jim Raley															
Email: agiovengo@ensolum.com																			

Sample Information										Analysis and Method								EPA Program			Remarks
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA				
															Compliance	Y	or	N			
10:06	2/20/2025	S	1	FS06 - 2'		1						X									
9:42	2/20/2025	S	1	SW01 - 0 - 1.5'		2						X									
14:02	2/20/2025	S	1	SW02 - 0 - 1.5'		3						X									
13:26	2/20/2025	S	1	SW04 - 0 - 0.5		4						X									
13:30	2/20/2025	S	1	SW05 - 0 - 0.5'		5						X									
12:50	2/20/2025	S	1	BH06 - 10'		6						X									
14:30	2/20/2025	S	1	BH07 - 2'		7						X									
11:38	2/20/2025	S	1	BH06 - 5'		8						X									
13:24	2/20/2025	S	1	SW03 - 0 - 1.5'		9						X									
13:33	2/20/2025	S	1	SW06 - 0 - 3'		10						X									

**Additional Instructions:** Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@dvn.com, iestrella@ensolum.com, chamilton@ensolum.com, bsimmons@ensolum.com oaderinto@ensolum.com

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Relinquished by: (Signature) <i>Oluwale Aderinto</i>						Date 02/21/25	Time 08:15	Received by: (Signature) <i>Michelle Gonzales</i>						Date 2-21-25	Time 0815	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.  Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N  T1 _____ T2 _____ T3 _____  AVG Temp °C <u>4</u>
Relinquished by: (Signature) <i>Michelle Gonzales</i>						Date 2-21-25	Time 1645	Received by: (Signature) <i>J.L.J.</i>						Date 2-21-25	Time 1645	
Relinquished by: (Signature) <i>John J.</i>						Date 2.21.25	Time 2400	Received by: (Signature) <i>Caitlynn</i>						Date 2/24/25	Time 800 NP 2-24-25	
Relinquished by: (Signature)						Date	Time	Received by: (Signature) <i>Noe Soto</i>						Date 2-22-25	Time 0500	

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.



Released to Imaging: 3/19/2026 11:12:09 AM

Received by OCD: 3/3/2026 6:56:44 AM

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Client Information				Invoice Information				Lab Use Only				TAT				State			
Client: Devon				Company: Devon Energy				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX
Project: Beetle Juice 19 Fed 3H Battery				Address: 5315 Buena Vista Dr				E502205		2303.0002					x	x			
Project Manager: Ashley Gioveno				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: (575)689-7597															
City, State, Zip: Carlsbad NM, 88220				Email: jim.raley@dvn.com															
Phone: 575-988-0055				Miscellaneous: Jim Raley															
Email: agioveno@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			
10:58	2/20/2025	S	1	FS04 - 3'		11						X								
11:00	2/20/2025	S	1	FS08 - 3'		12						X								

Additional Instructions: Please CC: cburton@ensolum.com, agioveno@ensolum.com, jim.raley@dvn.com, iestrella@ensolum.com, chamilton@ensolum.com, bsimmons@ensolum.com oaderinto@ensolum.com

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Sampled by: Oluwale Aderinto										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		Received on ice: <input checked="" type="radio"/> Y / <input type="radio"/> N		T1		T2		T3			
Oluwale Aderinto	02/21/25	08:15	Michelle Gonzales	2-21-25	0815												
Michelle Gonzales	2-21-25	1645	[Signature]	2-21-25	1645												
[Signature]	2-21-25	2400	Caitlin Han	2-24-25	800	NS											
[Signature]			Noe Sato	2-22-25	0500									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.

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### Envirotech Analytical Laboratory

Printed: 2/24/2025 2:58:58PM

#### Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Devon Energy - Carlsbad	Date Received:	02/22/25 05:00	Work Order ID:	E502205
Phone:	(505) 382-1211	Date Logged In:	02/21/25 15:39	Logged In By:	Noe Soto
Email:	agiovengo@ensolum.com	Due Date:	02/28/25 17:00 (4 day TAT)		

#### Chain of Custody (COC)

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

Carrier: Courier

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

#### 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: Beetle Juice 19 Fed 3H Battery

Work Order: E512168

Job Number: 01058-0007

Received: 12/18/2025

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
12/23/25

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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

Date Reported: 12/23/25



Ashley Giovengo  
333 W Sheridan Avenue  
Oklahoma City, OK 73102-5010

Project Name: Beetle Juice 19 Fed 3H Battery  
Workorder: E512168  
Date Received: 12/18/2025 6:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/18/2025 6:00:00AM, under the Project Name: Beetle Juice 19 Fed 3H Battery.

The analytical test results summarized in this report with the Project Name: Beetle Juice 19 Fed 3H Battery 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](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
Office: 505-632-1881  
[rainaschwanz@envirotech-inc.com](mailto: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](mailto:ljjarboe@envirotech-inc.com)

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

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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### Sample Summary

Devon Energy - Carlsbad 333 W Sheridan Avenue Oklahoma City OK, 73102-5010	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 12/23/25 13:26
--	--	------------------------------------

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH08-0	E512168-01A	Soil	12/16/25	12/18/25	Glass Jar, 2 oz.
BH08-2	E512168-02A	Soil	12/16/25	12/18/25	Glass Jar, 2 oz.
BH08-4	E512168-03A	Soil	12/16/25	12/18/25	Glass Jar, 2 oz.
BH08-6	E512168-04A	Soil	12/16/25	12/18/25	Glass Jar, 2 oz.
BH08-8	E512168-05A	Soil	12/16/25	12/18/25	Glass Jar, 2 oz.



### Sample Data

Devon Energy - Carlsbad 333 W Sheridan Avenue Oklahoma City OK, 73102-5010	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 12/23/2025 1:26:51PM
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**BH08-0**

**E512168-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: MB		Batch: 2551095
Benzene	ND	0.0250	1	12/18/25	12/18/25	
Ethylbenzene	<b>0.298</b>	0.0250	1	12/18/25	12/18/25	
Toluene	<b>0.203</b>	0.0250	1	12/18/25	12/18/25	
o-Xylene	<b>1.24</b>	0.0250	1	12/18/25	12/18/25	
p,m-Xylene	<b>1.01</b>	0.0500	1	12/18/25	12/18/25	
Total Xylenes	<b>2.24</b>	0.0250	1	12/18/25	12/18/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		<i>111 %</i>	<i>70-130</i>	<i>12/18/25</i>	<i>12/18/25</i>	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: MB		Batch: 2551095
Gasoline Range Organics (C6-C10)	<b>80.0</b>	20.0	1	12/18/25	12/18/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		<i>99.5 %</i>	<i>70-130</i>	<i>12/18/25</i>	<i>12/18/25</i>	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KH		Batch: 2551113
Diesel Range Organics (C10-C28)	<b>864</b>	25.0	1	12/18/25	12/18/25	
Oil Range Organics (C28-C36)	<b>259</b>	50.0	1	12/18/25	12/18/25	
<i>Surrogate: n-Nonane</i>		<i>104 %</i>	<i>61-141</i>	<i>12/18/25</i>	<i>12/18/25</i>	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: DT		Batch: 2551126
Chloride	<b>23.2</b>	20.0	1	12/19/25	12/19/25	



### Sample Data

Devon Energy - Carlsbad 333 W Sheridan Avenue Oklahoma City OK, 73102-5010	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 12/23/2025 1:26:51PM
--	--	--

**BH08-2**

**E512168-02**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: MB		Batch: 2551095
Benzene	ND	0.0250	1	12/18/25	12/18/25	
Ethylbenzene	ND	0.0250	1	12/18/25	12/18/25	
Toluene	ND	0.0250	1	12/18/25	12/18/25	
o-Xylene	ND	0.0250	1	12/18/25	12/18/25	
p,m-Xylene	<b>0.0860</b>	0.0500	1	12/18/25	12/18/25	
Total Xylenes	<b>0.0860</b>	0.0250	1	12/18/25	12/18/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		106 %	70-130	12/18/25	12/18/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: MB		Batch: 2551095
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/25	12/18/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		88.9 %	70-130	12/18/25	12/18/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KH		Batch: 2551113
Diesel Range Organics (C10-C28)	ND	25.0	1	12/18/25	12/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	12/18/25	12/18/25	
<i>Surrogate: n-Nonane</i>		101 %	61-141	12/18/25	12/18/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: DT		Batch: 2551126
Chloride	<b>98.8</b>	20.0	1	12/19/25	12/19/25	



### Sample Data

Devon Energy - Carlsbad 333 W Sheridan Avenue Oklahoma City OK, 73102-5010	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 12/23/2025 1:26:51PM
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**BH08-4**

**E512168-03**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: MB		Batch: 2551095
Benzene	ND	0.0250	1	12/18/25	12/18/25	
Ethylbenzene	ND	0.0250	1	12/18/25	12/18/25	
Toluene	ND	0.0250	1	12/18/25	12/18/25	
o-Xylene	ND	0.0250	1	12/18/25	12/18/25	
p,m-Xylene	<b>0.0744</b>	0.0500	1	12/18/25	12/18/25	
Total Xylenes	<b>0.0744</b>	0.0250	1	12/18/25	12/18/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	12/18/25	12/18/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: MB		Batch: 2551095
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/25	12/18/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		88.8 %	70-130	12/18/25	12/18/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KH		Batch: 2551113
Diesel Range Organics (C10-C28)	<b>135</b>	25.0	1	12/18/25	12/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	12/18/25	12/18/25	
<i>Surrogate: n-Nonane</i>						
		98.7 %	61-141	12/18/25	12/18/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2551126
Chloride	<b>491</b>	20.0	1	12/19/25	12/19/25	



### Sample Data

Devon Energy - Carlsbad 333 W Sheridan Avenue Oklahoma City OK, 73102-5010	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 12/23/2025 1:26:51PM
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**BH08-6**

**E512168-04**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: MB		Batch: 2551095
Benzene	ND	0.0250	1	12/18/25	12/18/25	
Ethylbenzene	ND	0.0250	1	12/18/25	12/18/25	
Toluene	ND	0.0250	1	12/18/25	12/18/25	
o-Xylene	ND	0.0250	1	12/18/25	12/18/25	
p,m-Xylene	ND	0.0500	1	12/18/25	12/18/25	
Total Xylenes	ND	0.0250	1	12/18/25	12/18/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		105 %	70-130	12/18/25	12/18/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: MB		Batch: 2551095
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/25	12/18/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		88.7 %	70-130	12/18/25	12/18/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KH		Batch: 2551113
Diesel Range Organics (C10-C28)	ND	25.0	1	12/18/25	12/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	12/18/25	12/18/25	
<i>Surrogate: n-Nonane</i>		98.0 %	61-141	12/18/25	12/18/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: DT		Batch: 2551126
Chloride	1250	20.0	1	12/19/25	12/19/25	



### Sample Data

Devon Energy - Carlsbad 333 W Sheridan Avenue Oklahoma City OK, 73102-5010	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 12/23/2025 1:26:51PM
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**BH08-8**

**E512168-05**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: MB		Batch: 2551095
Benzene	ND	0.0250	1	12/18/25	12/18/25	
Ethylbenzene	ND	0.0250	1	12/18/25	12/18/25	
Toluene	ND	0.0250	1	12/18/25	12/18/25	
o-Xylene	ND	0.0250	1	12/18/25	12/18/25	
p,m-Xylene	ND	0.0500	1	12/18/25	12/18/25	
Total Xylenes	ND	0.0250	1	12/18/25	12/18/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		105 %	70-130	12/18/25	12/18/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: MB		Batch: 2551095
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/18/25	12/18/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.1 %	70-130	12/18/25	12/18/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: KH		Batch: 2551113
Diesel Range Organics (C10-C28)	ND	25.0	1	12/18/25	12/18/25	
Oil Range Organics (C28-C36)	ND	50.0	1	12/18/25	12/18/25	
<i>Surrogate: n-Nonane</i>		99.8 %	61-141	12/18/25	12/18/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: DT		Batch: 2551126
Chloride	383	20.0	1	12/19/25	12/19/25	



### QC Summary Data

Devon Energy - Carlsbad 333 W Sheridan Avenue Oklahoma City OK, 73102-5010	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 12/23/2025 1:26:51PM
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#### Volatile Organics by EPA 8021B

Analyst: MB

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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#### Blank (2551095-BLK1)

Prepared: 12/18/25 Analyzed: 12/18/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.29		8.00		104	70-130			

#### LCS (2551095-BS1)

Prepared: 12/18/25 Analyzed: 12/18/25

Benzene	5.09	0.0250	5.00		102	70-130			
Ethylbenzene	4.97	0.0250	5.00		99.3	70-130			
Toluene	5.06	0.0250	5.00		101	70-130			
o-Xylene	4.99	0.0250	5.00		99.7	70-130			
p,m-Xylene	10.1	0.0500	10.0		101	70-130			
Total Xylenes	15.1	0.0250	15.0		101	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.15		8.00		102	70-130			

#### Matrix Spike (2551095-MS1)

Source: E512162-03

Prepared: 12/18/25 Analyzed: 12/18/25

Benzene	5.18	0.0250	5.00	ND	104	70-130			
Ethylbenzene	5.04	0.0250	5.00	ND	101	70-130			
Toluene	5.15	0.0250	5.00	ND	103	70-130			
o-Xylene	5.08	0.0250	5.00	ND	102	70-130			
p,m-Xylene	10.3	0.0500	10.0	ND	103	70-130			
Total Xylenes	15.4	0.0250	15.0	ND	102	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.31		8.00		104	70-130			

#### Matrix Spike Dup (2551095-MSD1)

Source: E512162-03

Prepared: 12/18/25 Analyzed: 12/18/25

Benzene	5.31	0.0250	5.00	ND	106	70-130	2.50	27	
Ethylbenzene	5.19	0.0250	5.00	ND	104	70-130	2.85	26	
Toluene	5.28	0.0250	5.00	ND	106	70-130	2.53	20	
o-Xylene	5.20	0.0250	5.00	ND	104	70-130	2.39	25	
p,m-Xylene	10.6	0.0500	10.0	ND	106	70-130	2.73	23	
Total Xylenes	15.8	0.0250	15.0	ND	105	70-130	2.62	26	
Surrogate: 4-Bromochlorobenzene-PID	8.31		8.00		104	70-130			



### QC Summary Data

Devon Energy - Carlsbad 333 W Sheridan Avenue Oklahoma City OK, 73102-5010	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 12/23/2025 1:26:51PM
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#### Nonhalogenated Organics by EPA 8015D - GRO

Analyst: MB

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2551095-BLK1)**

Prepared: 12/18/25 Analyzed: 12/18/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.20		8.00		90.0	70-130			

**LCS (2551095-BS2)**

Prepared: 12/18/25 Analyzed: 12/18/25

Gasoline Range Organics (C6-C10)	48.4	20.0	50.0		96.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.16		8.00		89.6	70-130			

**Matrix Spike (2551095-MS2)**

Source: E512162-03

Prepared: 12/18/25 Analyzed: 12/18/25

Gasoline Range Organics (C6-C10)	53.4	20.0	50.0	ND	107	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.27		8.00		90.8	70-130			

**Matrix Spike Dup (2551095-MSD2)**

Source: E512162-03

Prepared: 12/18/25 Analyzed: 12/18/25

Gasoline Range Organics (C6-C10)	55.3	20.0	50.0	ND	111	70-130	3.42	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.32		8.00		91.5	70-130			



### QC Summary Data

Devon Energy - Carlsbad 333 W Sheridan Avenue Oklahoma City OK, 73102-5010	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 12/23/2025 1:26:51PM
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#### Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2551113-BLK1)**

Prepared: 12/18/25 Analyzed: 12/18/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	46.4		50.0		92.9	61-141			

**LCS (2551113-BS1)**

Prepared: 12/18/25 Analyzed: 12/18/25

Diesel Range Organics (C10-C28)	264	25.0	250		106	66-144			
Surrogate: n-Nonane	48.4		50.0		96.8	61-141			

**Matrix Spike (2551113-MS1)**

Source: E512170-07

Prepared: 12/18/25 Analyzed: 12/18/25

Diesel Range Organics (C10-C28)	263	25.0	250	ND	105	56-156			
Surrogate: n-Nonane	47.3		50.0		94.6	61-141			

**Matrix Spike Dup (2551113-MSD1)**

Source: E512170-07

Prepared: 12/18/25 Analyzed: 12/18/25

Diesel Range Organics (C10-C28)	276	25.0	250	ND	110	56-156	4.79	20	
Surrogate: n-Nonane	49.5		50.0		99.0	61-141			



### QC Summary Data

Devon Energy - Carlsbad 333 W Sheridan Avenue Oklahoma City OK, 73102-5010	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 12/23/2025 1:26:51PM
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#### Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2551126-BLK1)**

Prepared: 12/19/25 Analyzed: 12/19/25

Chloride	ND	20.0							
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**LCS (2551126-BS1)**

Prepared: 12/19/25 Analyzed: 12/19/25

Chloride	260	20.0	250		104	90-110			
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**Matrix Spike (2551126-MS1)**

Source: E512180-02

Prepared: 12/19/25 Analyzed: 12/19/25

Chloride	291	40.0	250	ND	116	80-120			
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**Matrix Spike Dup (2551126-MSD1)**

Source: E512180-02

Prepared: 12/19/25 Analyzed: 12/19/25

Chloride	285	40.0	250	ND	114	80-120	2.18	20	
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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 333 W Sheridan Avenue Oklahoma City OK, 73102-5010	Project Name: Beetle Juice 19 Fed 3H Battery Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 12/23/25 13:26
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ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



Client Information				Invoice Information				Lab Use Only				TAT				State																																																																																																												
Client: Devon				Company: Devon Energy				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX																																																																																																									
Project: Beetle Juice 19 Fed 3H Battery				Address: 5315 Buena Vista Dr				E512108		01058-007					X	X																																																																																																												
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220				<table border="1"> <thead> <tr> <th colspan="8">Analysis and Method</th> <th colspan="3">EPA Program</th> </tr> <tr> <th rowspan="2">DRO/DRO by 8015</th> <th rowspan="2">GRO/DRO by 8015</th> <th rowspan="2">BTEX by 8021</th> <th rowspan="2">VOC by 8260</th> <th rowspan="2">Chloride 300.0</th> <th rowspan="2">TEEC 1065 - TX</th> <th rowspan="2">RCRA 8 Metals</th> <th rowspan="2">BGDOC - NM</th> <th rowspan="2">BGDOC - TX</th> <th>SDWA</th> <th>CWA</th> <th>RCRA</th> </tr> <tr> <th>Compliance</th> <th>Y</th> <th>or</th> <th>N</th> </tr> <tr> <th colspan="9">PWSID #</th> <th>Sample Temp</th> <th colspan="2">Remarks</th> </tr> </thead> <tbody> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> <td>X</td><td></td><td></td> <td>2.0</td><td></td> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> <td>X</td><td></td><td></td> <td>1.8</td><td></td> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> <td>X</td><td></td><td></td> <td>2.5</td><td></td> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> <td>X</td><td></td><td></td> <td>1.7</td><td></td> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> <td>X</td><td></td><td></td> <td>1.0</td><td></td> </tr> </tbody> </table>								Analysis and Method								EPA Program			DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TEEC 1065 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA	Compliance	Y	or	N	PWSID #									Sample Temp	Remarks											X			2.0											X			1.8											X			2.5											X			1.7											X			1.0	
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City, State, Zip: Carlsbad NM, 88220				Email: jim.raley@dvn.com																																																																																																																								
Phone: 575-988-0055				Miscellaneous: Jim Raley																																																																																																																								
Email: agiovengo@ensolum.com																																																																																																																												
Sample Information																																																																																																																												
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	TEEC 1065 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	PWSID #	Sample Temp	Remarks																																																																																																										
0906	12/16/2025	S	1	BH08-0		1								X			2.0																																																																																																											
0911	12/16/2025	S	1	BH08-2		2								X			1.8																																																																																																											
0915	12/16/2025	S	1	BH08-4		3								X			2.5																																																																																																											
1005	12/16/2025	S	1	BH08-6		4								X			1.7																																																																																																											
1018	12/16/2025	S	1	BH08-8		5								X			1.0																																																																																																											
<b>Additional Instructions:</b> Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@dvn.com, iestrella@erisolum.com, chamilton@ensolum.com, bmoir@ensolum.com I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Eric Plugge																																																																																																																												
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 on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N																																																																																																																				
<i>af</i>		12/17/25	0711	Michelle Gonzales		12-17-25	0711																																																																																																																					
Michelle Gonzales		12-17-25	1515	Nathan Gonzalez		12-17-25	1515																																																																																																																					
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<i>[Signature]</i>		12-17-25	2330	Nee Sato		12-18-25	0600																																																																																																																					
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																																																																																																																												

### Envirotech Analytical Laboratory

Printed: 12/18/2025 10:30:06AM

#### Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Devon Energy - Carlsbad	Date Received:	12/18/25 06:00	Work Order ID:	E512168
Phone:	(505) 382-1211	Date Logged In:	12/17/25 15:54	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	12/29/25 17:00 (4 day TAT)		

#### Chain of Custody (COC)

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

Carrier: Courier

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

#### Comments/Resolution

L-NS  
R-NV

#### 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? Yes

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

- 13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

#### 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 G

### NMOCD Correspondence

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**From:** [Maxwell, Ashley, EMNRD](#)  
**To:** [Ashley Giovengo](#); [Raley, Jim](#); [Chad Hamilton](#); [Cole Burton](#)  
**Cc:** [Bratcher, Michael, EMNRD](#); [Wells, Shelly, EMNRD](#)  
**Subject:** RE: [EXTERNAL] Extension Request - Devon Energy Production Company, LP - Beetle Juice 19 Fed 3H Battery - Incident Number nAPP2434152111  
**Date:** Tuesday, March 4, 2025 1:03:14 PM  
**Attachments:** [image001.png](#)  
[image002.png](#)  
[image003.png](#)

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

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

Good Afternoon,

Your extension request of June 04, 2025 has been approved. Please include a copy of this correspondence in all subsequent reports.

**Ashley Maxwell** • Environmental Specialist  
Environmental Bureau Projects Group  
EMNRD - Oil Conservation Division  
1000 Rio Brazos Road | Aztec, NM 87110  
505.635.5000 | [Ashley.Maxwell@emnrd.nm.gov](mailto:Ashley.Maxwell@emnrd.nm.gov)  
<http://www.emnrd.state.nm.us/OCD/>

Effective 12/1/2024: OCD has updated guidance on karst potential occurrence zones. This notice can be found at: <https://www.emnrd.nm.gov/ocd/ocd-announcements-and-notifications/> under “2024 OCD ANNOUNCEMENTS AND NOTIFICATIONS”.

The Digital C-141 guidance documents can be found at <https://www.emnrd.nm.gov/ocd/ocd-announcements-and-notifications/> or <https://www.emnrd.nm.gov/ocd/ocd-forms/>.

---

**From:** Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>  
**Sent:** Tuesday, March 4, 2025 11:50 AM  
**To:** Maxwell, Ashley, EMNRD <Ashley.Maxwell@emnrd.nm.gov>  
**Cc:** Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>  
**Subject:** FW: [EXTERNAL] Extension Request - Devon Energy Production Company, LP - Beetle Juice 19 Fed 3H Battery - Incident Number nAPP2434152111

---

**From:** Ashley Giovengo <[agiovengo@ensolum.com](mailto:agiovengo@ensolum.com)>  
**Sent:** Tuesday, March 4, 2025 11:45 AM  
**To:** Enviro, OCD, EMNRD <[OCD.Enviro@emnrd.nm.gov](mailto:OCD.Enviro@emnrd.nm.gov)>; Raley, Jim <[jim.ralej@dvn.com](mailto:jim.ralej@dvn.com)>

**Cc:** Chad Hamilton <[chamilton@ensolum.com](mailto:chamilton@ensolum.com)>; Cole Burton <[cburton@ensolum.com](mailto:cburton@ensolum.com)>

**Subject:** [EXTERNAL] Extension Request - Devon Energy Production Company, LP - Beetle Juice 19 Fed 3H Battery - Incident Number nAPP2434152111

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

All,

Devon Energy Production Company, LP (Devon) is requesting an extension for the current deadline of March 06, 2025, for submitting a remediation work plan or closure report required in 19.15.29.12.B.(1) NMAC at the Beetle Juice 19 Fed 3H Battery (Site) (Incident Number nAPP2434152111). The release occurred on December 06, 2024, and 26 barrels (bbls) of produced water were released inside the tank battery containment; 21 bbls of produced water were recovered from the containment liner. The release impacted an area approximately 2,786 square feet in size on-pad and an area approximately 1,370 square feet in size off-pad. Ensolum, LLC completed a liner integrity inspection on December 20, 2024, and one hole was identified 3 feet west of the southernmost load line. Lateral and vertical delineation sampling in accordance with the strictest Closure Criteria has been completed at the Site. A Sundry Request was submitted to the Bureau of Land Management on January 22, 2025, and approved on the same day. Excavation of the subject matter release began on February 14, 2025, and was completed on February 20, 2025. Devon intends to submit a remediation work plan or closure report, upon reviewing laboratory analytical results from confirmation soil sampling activities. Devon respectfully requests a 90-day extension until June 04, 2025.

Kind Regards,



**Ashley Giovengo**

Senior Scientist

575-988-0055

**Ensolum, LLC**

**in f X**

“Your authenticity is your superpower.” – Unknown

**From:** [Wells, Shelly, EMNRD](#)  
**To:** [Ashley Giovengo](#)  
**Cc:** [Raley, Jim](#); [Cole Burton](#); [Bratcher, Michael, EMNRD](#)  
**Subject:** RE: [EXTERNAL] Devon Energy - MARWARI 28 CTB 2 - Incident # nAPP2506428775 - Denial Response  
**Date:** Thursday, October 30, 2025 2:53:51 PM  
**Attachments:** [image001.png](#)  
[image002.png](#)  
[image003.png](#)

---

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

Good afternoon Ashley,

I have been in receipt of your comments in response to the reclamation denial and wanted to say there will be no need to set up a meeting to discuss #4 below. Include the paragraph that you have added in response to rejection #4 within the updated remediation closure/reclamation report, as it is paramount to not requiring that confirmation sampling be required in that part of the pasture.

Kind regards,

Shelly

**Shelly Wells** \* Senior Environmental Scientist  
Environmental Bureau  
EMNRD-Oil Conservation Division  
1220 S. St. Francis Drive|Santa Fe, NM 87505  
(505)469-7520 [Shelly.Wells@emnrn.nm.gov](mailto:Shelly.Wells@emnrn.nm.gov)  
<http://www.emnrn.state.nm.us/OCD/>

---

**From:** Ashley Giovengo <[agiovengo@ensolum.com](mailto:agiovengo@ensolum.com)>  
**Sent:** Thursday, October 16, 2025 9:26 PM  
**To:** Wells, Shelly, EMNRD <[Shelly.Wells@emnrn.nm.gov](mailto:Shelly.Wells@emnrn.nm.gov)>  
**Cc:** Raley, Jim <[jim.ralej@dv.n.com](mailto:jim.ralej@dv.n.com)>; Cole Burton <[cburton@ensolum.com](mailto:cburton@ensolum.com)>  
**Subject:** [EXTERNAL] Devon Energy - MARWARI 28 CTB 2 - Incident # nAPP2506428775 - Denial Response

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

Good evening, Shelly,

I wanted to reach out with regards to the denial of Devon Energy's Marwari 28 CTB 2 Closure

Report (Incident # nAPP2506428775). Please see Ensolums responses/comments below:

- **Reclamation denied for the following reasons:**
  - **1) When the NOR was submitted by Devon on 3/5/25, the following coordinates were used for release location: 32.105685,-103.687787. Those coordinates are registered to the facility fAPP2130555386, which according to OCD records is Marwari 28 CTB 1. In report submitted, you put the location of the release here 32.105561, -103.676714. Confirm correct release location.**  
**GPS Coordinates 32.105561, -103.676714 are correct and the OCD web portal will be updated when the Closure Report is resubmitted.**
  - **2) On pg. 1, “On March 04, 2025, a piping nipple on a water transfer pump developed a pinhole leak, which resulted in the release of approximately 34 barrels (bbls) of produced water into a lined secondary containment, onto the caliche pad, and into an off-pad pasture area.” How did the fluids leave the containment? Specify what happened. The liner remained intact however the leaking equipment sprayed over the containment wall; most of the release ended up outside of the containment due to the pressure of the leaking pipeline. Ensolum will update the release description.**
  - **3) On pg. 2 of report, “A liner integrity inspection was conducted by Ensolum personnel on August 18, 2025, and the liner was determined to be intact and had the ability to contain the release in question.” According to the C-141L and photo documentation it was conducted on August 19, 2025. Update report. Ensolum will update the Closure Report upon resubmission.**
  - **4) “Delineation soil samples SS06 through SS13 and boreholes BH11 through BH14 and BH16 through BH22 were collected at depths ranging from ground surface level to 1-foot bgs in the off-pad area to assess for the presence of any possible impacts due to high winds at the time of the release.” This was submitted for reclamation. Collecting delineation samples spaced every 80-100 feet apart in the possible overspray area does not confirm that the pasture meets reclamation requirements. The entire overspray area that extends east to SS09 and SS10 requires five-point composite samples collected at surface to confirm there are no impacts from the release prior to reclamation approval.**
  - **Submit updated report to the OCD by 11/25/2025.**
4. In review of the NMOCD’s denial for the area off pad beyond the documented overspray area, additional explanation of this area is provided. Due to the high winds and known overspray footprint, Devon, out of abundance of precaution, sampled the pasture area beyond the actual overspray area to confirm the presence or absence of COCs in the pasture. Photographs of the area do not

indicate staining or wetness that could have been attributed to the release. All investigation delineation samples confirmed the pasture area was absent of any COCs and therefore the area did not require remediation and/or reclamation. Per 19.15.29.13.A NMAC, the area investigated was not impacted by the release and as such, there is no area to restore. Per 19.15.29.13.D NMAC, only areas disturbed by remediation require reclamation. This off pad pasture area was not remediated and the original condition of the pasture area remained intact. Non-waste containing soil has been confirmed in the area based on delineation samples SS06 through SS13 and BH11 through BH14 and BH16 through BH22.

Based on the precautionary reason for oversampling and the absence of impacts in the pasture area beyond the overspray area, confirmation sampling of the area does not appear warranted as reclamation is not applicable per 19.15.29.13. If necessary, Devon would be happy to have a meeting to discuss this area further to better explain the situation and why confirmation sampling is not appropriate for this situation. We look forward to hearing from you soon. Thank you and have a great day.

Kind regards,



**Ashley Giovengo**

Associate Principal

575-988-0055

**Ensolum, LLC**

**in f X**

“Your authenticity is your superpower.” – Unknown

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

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

QUESTIONS

Action 432163

**QUESTIONS**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 432163
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nAPP2434152111
Incident Name	NAPP2434152111 BEETLEJUICE 19 3 BATTERY @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2129455914] BEETLEJUICE 19 3 BATTERY

<b>Location of Release Source</b>	
Site Name	BEETLEJUICE 19 3 BATTERY
Date Release Discovered	12/06/2024
Surface Owner	Federal

<b>Sampling Event General Information</b>	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	4,156
What is the estimated number of samples that will be gathered	30
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/18/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	N/A
Please provide any information necessary for navigation to sampling site	32.652505, -103.91191

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**Santa Fe, NM 87505**

CONDITIONS

Action 432163

**CONDITIONS**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 432163
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

**CONDITIONS**

Created By	Condition	Condition Date
jraley	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	2/14/2025

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**Santa Fe, NM 87505**

QUESTIONS

Action 432166

**QUESTIONS**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 432166
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nAPP2434152111
Incident Name	NAPP2434152111 BEETLEJUICE 19 3 BATTERY @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2129455914] BEETLEJUICE 19 3 BATTERY

<b>Location of Release Source</b>	
Site Name	BEETLEJUICE 19 3 BATTERY
Date Release Discovered	12/06/2024
Surface Owner	Federal

<b>Sampling Event General Information</b>	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	4,156
What is the estimated number of samples that will be gathered	30
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/19/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	N/A
Please provide any information necessary for navigation to sampling site	32.652505, -103.91191

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CONDITIONS

Action 432166

**CONDITIONS**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 432166
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

**CONDITIONS**

Created By	Condition	Condition Date
jraley	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	2/14/2025

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Santa Fe, NM 87505**

QUESTIONS

Action 432169

**QUESTIONS**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 432169
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nAPP2434152111
Incident Name	NAPP2434152111 BEETLEJUICE 19 3 BATTERY @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2129455914] BEETLEJUICE 19 3 BATTERY

<b>Location of Release Source</b>	
Site Name	BEETLEJUICE 19 3 BATTERY
Date Release Discovered	12/06/2024
Surface Owner	Federal

<b>Sampling Event General Information</b>	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	4,156
What is the estimated number of samples that will be gathered	30
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/20/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	N/A
Please provide any information necessary for navigation to sampling site	32.652505, -103.91191

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**Santa Fe, NM 87505**

CONDITIONS

Action 432169

**CONDITIONS**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 432169
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

**CONDITIONS**

Created By	Condition	Condition Date
jraley	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	2/14/2025

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QUESTIONS

Action 432173

**QUESTIONS**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 432173
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nAPP2434152111
Incident Name	NAPP2434152111 BEETLEJUICE 19 3 BATTERY @ 0
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2129455914] BEETLEJUICE 19 3 BATTERY

<b>Location of Release Source</b>	
Site Name	BEETLEJUICE 19 3 BATTERY
Date Release Discovered	12/06/2024
Surface Owner	Federal

<b>Sampling Event General Information</b>	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	4,156
What is the estimated number of samples that will be gathered	30
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/21/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	N/A
Please provide any information necessary for navigation to sampling site	32.652505, -103.91191

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Phone: (505) 476-3441

General Information  
Phone: (505) 629-6116

Online Phone Directory  
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**Oil Conservation Division**  
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CONDITIONS

Action 432173

**CONDITIONS**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 432173
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

**CONDITIONS**

Created By	Condition	Condition Date
jraley	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	2/14/2025

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Oil Conservation Division  
1220 S. St Francis Dr.  
Santa Fe, NM 87505**

QUESTIONS

Action 413055

**QUESTIONS**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 413055
	Action Type: [NOTIFY] Notification Of Liner Inspection (C-141L)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nAPP2434152111
Incident Name	NAPP2434152111 BEETLEJUICE 19 3 BATTERY @ 0
Incident Type	Produced Water Release
Incident Status	Notification Accepted
Incident Facility	[fAPP2129455914] BEETLEJUICE 19 3 BATTERY

<b>Location of Release Source</b>	
Site Name	BEETLEJUICE 19 3 BATTERY
Date Release Discovered	12/06/2024
Surface Owner	Federal

<b>Liner Inspection Event Information</b>	
<i>Please answer all the questions in this group.</i>	
What is the liner inspection surface area in square feet	4,268
Have all the impacted materials been removed from the liner	Yes
Liner inspection date pursuant to Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC	12/20/2024
Time liner inspection will commence	09:00 AM
Please provide any information necessary for observers to liner inspection	Tank Containment
Please provide any information necessary for navigation to liner inspection site	32.652505, -103.9119

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CONDITIONS

Action 413055

**CONDITIONS**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 413055
	Action Type: [NOTIFY] Notification Of Liner Inspection (C-141L)

**CONDITIONS**

Created By	Condition	Condition Date
jraley	Failure to notify the OCD of liner inspections including any changes in date/time per the requirements of 19.15.29.11.A(5)(a)(ii) NMAC, may result in the inspection not being accepted.	12/17/2024

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**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

QUESTIONS

Action 559231

**QUESTIONS**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 559231
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nAPP2434152111
Incident Name	NAPP2434152111 BEETLEJUICE 19 3 BATTERY @ FAPP2129455914
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Facility	[fAPP2129455914] BEETLEJUICE 19 3 BATTERY

<b>Location of Release Source</b>	
<i>Please answer all the questions in this group.</i>	
Site Name	BEETLEJUICE 19 3 BATTERY
Date Release Discovered	12/06/2024
Surface Owner	Federal

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

<b>Nature and Volume of Release</b>	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure   Pump   Produced Water   Released: 26 BBL   Recovered: 21 BBL   Lost: 5 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Transfer pump failed and allowed produced water tank to overflow to lined secondary containment. Small hole in containment allowed approx. 5 bbl to leak on to pad surface and slightly off pad. No threat to water or health, did not leak into drainage of any type. Was just off edge of location by a few yards.

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

QUESTIONS, Page 2

Action 559231

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 559231
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Nature and Volume of Release (continued)</b>	
Is this a gas only submission (i.e. only significant Mcf values reported)	<b>No, according to supplied volumes this does not appear to be a "gas only" report.</b>
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	<b>Yes</b>
Reasons why this would be considered a submission for a notification of a major release	<b>From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.</b>
<i>With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.</i>	

**Initial Response**

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

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	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@dvn.com Date: 03/03/2026
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**Oil Conservation Division**  
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**Santa Fe, NM 87505**

QUESTIONS, Page 3

Action 559231

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 559231
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

**Site Characterization**

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

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	Direct Measurement
Did this release impact groundwater or surface water	No
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
A continuously flowing watercourse or any other significant watercourse	Between 300 and 500 (ft.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 300 and 500 (ft.)
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 300 and 500 (ft.)
A subsurface mine	Between 1 and 5 (mi.)
An (non-karst) unstable area	Between 1/2 and 1 (mi.)
Categorize the risk of this well / site being in a karst geology	High
A 100-year floodplain	Between 1 and 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)	14100
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	3972
GRO+DRO (EPA SW-846 Method 8015M)	2582
BTEX (EPA SW-846 Method 8021B or 8260B)	2.3
Benzene (EPA SW-846 Method 8021B or 8260B)	0

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

On what estimated date will the remediation commence	02/14/2025
On what date will (or did) the final sampling or liner inspection occur	12/20/2024
On what date will (or was) the remediation complete(d)	02/20/2025
What is the estimated surface area (in square feet) that will be reclaimed	1000
What is the estimated volume (in cubic yards) that will be reclaimed	56
What is the estimated surface area (in square feet) that will be remediated	4158
What is the estimated volume (in cubic yards) that will be remediated	296

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

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

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QUESTIONS, Page 4

Action 559231

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 559231
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

**Remediation Plan (continued)**

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

**This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:**

(Select all answers below that apply.)

(Ex Situ) Excavation and <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for <b>off-site</b> disposal	<a href="#">fEEM0112342028 LEA LAND LANDFILL</a>
<b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and <b>on-site</b> remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.

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

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

I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 03/03/2026
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The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 5

Action 559231

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 559231
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Deferral Requests Only</b>	
<i>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.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 559231

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 559231
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Sampling Event Information</b>	
Last sampling notification (C-141N) recorded	<b>432173</b>
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	<b>02/21/2025</b>
What was the (estimated) number of samples that were to be gathered	<b>30</b>
What was the sampling surface area in square feet	<b>4156</b>

<b>Remediation Closure Request</b>	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	4158
What was the total volume (cubic yards) remediated	296
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	1000
What was the total volume (in cubic yards) reclaimed	56
Summarize any additional remediation activities not included by answers (above)	Remediation Complete

*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@dmv.com Date: 03/03/2026
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QUESTIONS, Page 7

Action 559231

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 559231
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

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

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CONDITIONS

Action 559231

**CONDITIONS**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 559231
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**CONDITIONS**

Created By	Condition	Condition Date
scwells	Remediation closure approved with the following condition: OCD approval does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.	3/19/2026