



April 29, 2025

New Mexico Energy Minerals and Natural Resources Department

New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

**Re: Deferral Request
Alley Cat 17 CTB 3
Incident Number nAPP2435154758
Lea County, New Mexico**

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of Devon Energy Production Company, LP (Devon), has prepared this *Deferral Request* to document assessment and soil sampling activities at the Alley Cat 17 CTB 3 (Site) in Unit D, Section 17, Township 23 South, Range 32 East, in Lea County, New Mexico (Figure 1). The Site (32.308948°, -103.695675°) is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM).

The purpose of the Site assessment and soil sampling activities was to assess for the presence or absence of impacts to soil following a release of crude oil at the Site. Based on field observations, field screening activities, and soil sample laboratory analytical results, Devon is submitting this *Deferral Request*, describing Site assessment, delineation and excavation activities that have occurred to date and requesting deferral of final remediation for Incident Number nAPP2435154758 until the Site is reconstructed and/or the well pad is abandoned.

BACKGROUND

On December 15, 2024, a hole developed on a separator dump valve, resulting in the release of approximately 7 barrels (bbls) of crude oil onto the pad surface. A vacuum truck was immediately dispatched to the Site to recover free-standing fluids; 5 bbls of crude oil were recovered from release area. Devon reported the release to the New Mexico Oil Conservation Division (NMOCD) via on the NMOCD Portal December 16, 2024. The release was assigned Incident Number nAPP2435154758.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

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

The closest permitted groundwater well with depth to groundwater data is New Mexico Office of the State Engineer (NMOSE) well C 04815 POD1, located approximately 0.45 miles northwest of the Site. The well had a reported depth to groundwater greater than 55 feet below ground surface (bgs) and a total depth of 55 feet bgs. There are no regional or Site-specific hydrogeological conditions, such as

shallow surface water, karst features, wetlands, or vegetation that suggest the Site is conducive to shallower groundwater. All wells used for depth to groundwater determination are presented on Figure 1. The referenced well record is included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is a freshwater pond, located approximately 20,645 feet northwest of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (low potential karst designation area). Site receptors are identified on Figure 1.

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

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

SITE ASSESSMENT ACTIVITIES

On December 18, 2024, Ensolum personnel visited the Site to evaluate the release extent based on information provided on the Form C-141 and visual observations and to conduct lateral delineation sampling. Seven delineation soil samples (SS01 through SS07) were collected from around the release extent at ground surface to assess the lateral extent of the release. The release extent was mapped utilizing a handheld Global Positioning System (GPS) unit and is depicted on Figure 2. Photographic documentation was completed during the Site visit and a photographic log is included as Appendix B.

Beginning on December 31, 2024, Ensolum personnel were onsite to conduct vertical and additional lateral delineation sampling activities. Six delineation soil samples (SS08 through SS13) were collected from around the release extent at ground surface to assess the lateral extent of the release. Four boreholes (BH01 through BH04) were advanced via hand auger within the release extent to assess the vertical extent of release. Boreholes BH02 and BH04 were advanced to a depth of 1-foot bgs, borehole BH01 was advanced to a depth of 6 feet bgs, and BH03 was advanced to a depth of 8 feet bgs.

On February 11, 2025, Ensolum personnel returned to the Site to advance borehole sample point BH03 via core drill to a depth of 14 feet bgs. Discrete delineation soil samples were collected from each borehole and field screened for chloride and TPH utilizing QuanTab[®] chloride test strips and a PetroFLAG[®] Soil Analyzer System, respectively. Field screening results and observations for the boreholes were logged on lithologic/soil sampling logs, which are included in Appendix C. The delineation soil sample locations are depicted on Figure 2.

Lateral delineation soil samples (SS01 through SS13) and discrete delineation soil samples from boreholes (BH01 through BH04) 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.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for preliminary soil samples (SS01 through SS06, and SS08 through SS11 and SS13) collected at ground surface indicated all COC concentrations were compliant with strictest Closure Criteria. Laboratory analytical results for preliminary soil sample SS12 collected at ground surface indicated all COC concentrations were compliant with Site Closure Criteria. Laboratory analytical results for preliminary soil sample SS07 collected at ground surface was not compliant with Site Closure Criteria, however, this sample point was removed during excavation.

Laboratory analytical results for the vertical delineation soil samples collected from boreholes BH02 and BH04 indicated concentrations of TPH exceeded the Strictest Closure Criteria at ground surface but were compliant at 1-foot bgs. Borehole BH01 indicated concentrations of BTEX and TPH exceeded the Site Closure Criteria at ground surface but was compliant with the strictest Closure Criteria at 6 feet bgs. Borehole BH03 indicated concentrations of TPH exceeded the Site Closure Criteria at ground surface but was compliant with the Site closure Criteria at 2 feet bgs and the strictest Closure Criteria at 14 feet bgs. Laboratory analytical results are summarized in Table 1 and the complete laboratory analytical reports are included as Appendix D.

EXCAVATION ACTIVITIES

Beginning on March 10, 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 0.5 feet to 1-foot bgs. To direct excavation activities, soil was field screened for chloride and TPH as previously described above. Photographic documentation is included in Appendix B.

Following removal of impacted soil, 5-point composite soil samples were collected every 200 square feet from the floor and sidewalls of the excavation. The 5-point composite soil samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. Composite soil samples (FS01 through FS12) were collected from the floors of the excavations and sidewall soil sample (SW01) was collected from the wall against a separator on the east side of the excavation at depths ranging from ground surface to 1-foot 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 100 cubic yards of impacted soil were removed during excavation activities. The impacted soil was transported and properly disposed of at the R360 Halfway in Hobbs, New Mexico.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results of confirmation soil floor samples FS01, FS02, and FS04 through FS10 results indicated all COC concentrations were compliant with the Site Closure Criteria.

Laboratory analytical results for the excavation floor soil samples FS03, FS11 and FS12 exceeded Site Closure Criteria at 1-foot, 0.5 feet, and 0.5 feet bgs, respectively. Laboratory analytical results for the sidewall soil sample SW01 collected from ground surface to 1-foot bgs exceeded the Site Closure Criteria. Laboratory analytical results are summarized in Table 2 and the complete laboratory analytical reports are included as Appendix D.

DEFERRAL REQUEST

Devon is requesting a deferral of final remediation due to the presence of active production equipment. Impacted soil is limited to the area immediately beneath and around active production equipment and pipelines on the north side of the pad, where remediation would require a major facility deconstruction.

Impacted soil remaining in place in confirmation floor sample areas FS03, FS11, FS12, which is delineated vertically by borehole samples BH01 collected at a depth of 6 feet bgs, BH02 collected at a depth of 2 feet bgs, BH03 collected at a depth of 14 feet bgs BH04 collected at a depth of 1-foot bgs and laterally by delineation soil samples SS01 through SS06, and SS08 through SS13 collected at the ground level and confirmation floor samples (FS01, FS02, FS05 and FS06) collected at 1-foot bgs and (FS04 and FS07 through FS12) collected at 0.5 feet bgs. Laboratory analytical results from sidewall soil samples SW01 confirm the presence of TPH containing soil is limited to the area beneath a separator. Approximately 220 cubic yards of chloride and TPH-impacted soil remains in place beneath and between the separators based on a maximum depth of 6-foot depth determined through delineation and confirmation soil sampling. The impacted soil volume estimate includes waste-containing soil volumes to be addressed through reconstruction of the containment or final pad reclamation.

Devon does not believe deferment will result in imminent risk to human health, the environment, or groundwater. Depth to groundwater was determined to be greater than 55 feet bgs, and the impacted soil remaining in place is limited to the area immediately beneath the liner and west of containment. The liner has been repaired by Devon and will restrict future releases and/or vertical migration of residual impacts and any interactions with humans and/or wildlife.

Based on the presence of active production equipment within the release area and the complete lateral and vertical delineation of impacted soil remaining in place, Devon requests deferral of final remediation for Incident Number nAPP2435154758 until final reclamation of the well pad or major construction, whichever comes first. Remedial actions completed to date have been protective of human health, the environment, and groundwater and deferment of impacted soil beneath the lined containment appears to be equally protective and warranting deferment. Notifications submitted to the NMOCD are included in Appendix E.

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

Sincerely,
Ensolum, LLC

A handwritten signature in black ink, appearing to read "Ashley Giovengo".

Ashely Giovengo
Associate Principal

A handwritten signature in black ink, appearing to read "Daniel R. Moir".

Daniel R. Moir, PG
Senior Managing Geologist

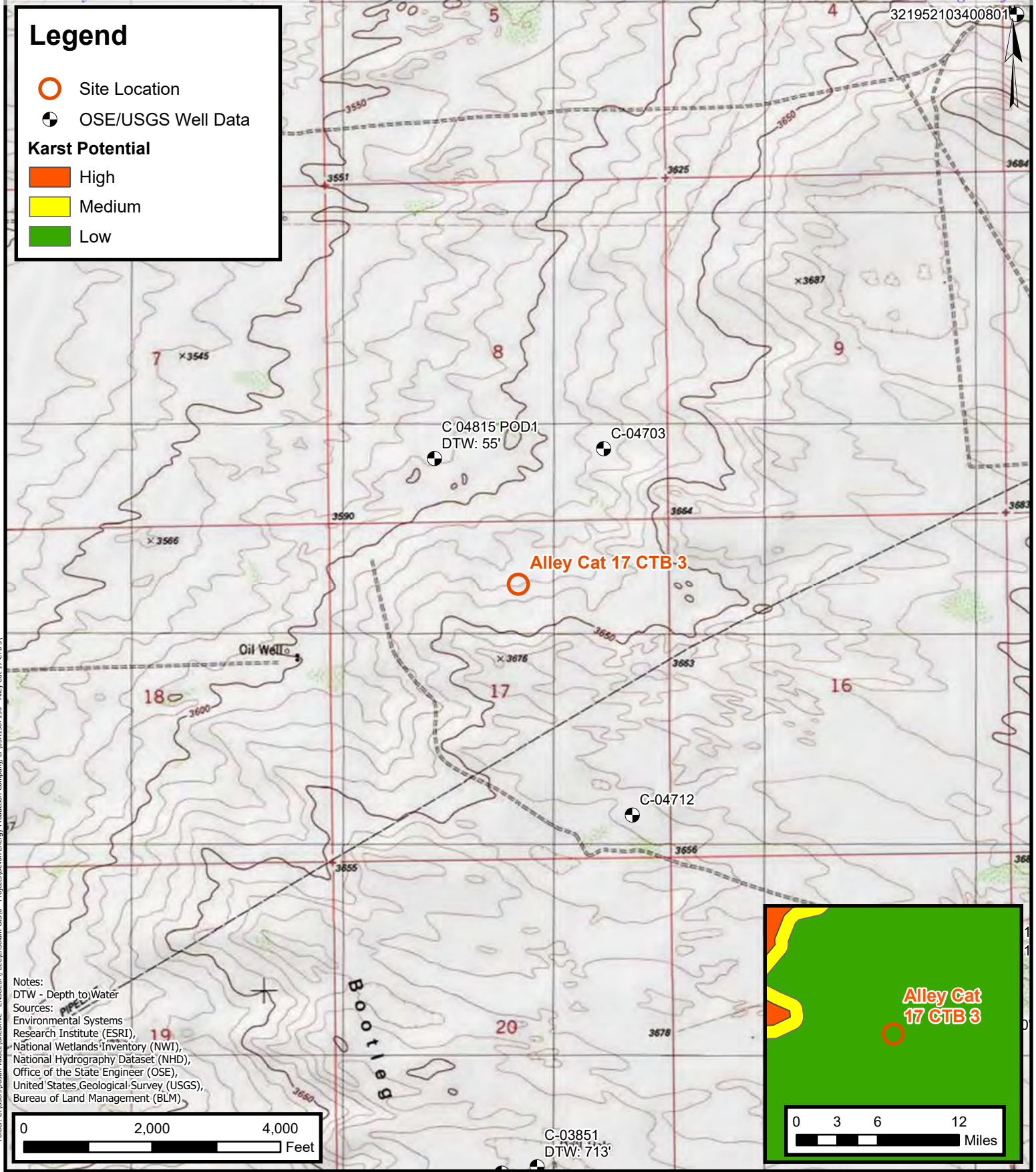
cc: Jim Raley, Devon
BLM

Appendices:

Figure 1	Site Receptor Map
Figure 2	Delineation Soil Sample Locations
Figure 3	Excavation Soil Sample Locations
Figure 4	Area of Requested Deferral
Table 1	Delineation Soil Sample Analytical Results
Table 2	Confirmation Soil Sample Analytical Results (Excavation Floor Soil Samples)
Table 3	Confirmation Soil Sample Analytical Results (Sidewall Soil Samples)
Appendix A	Reference Wells
Appendix B	Photographic Log Lithologic Soil Sampling Logs
Appendix C	Lithologic Soil Sampling Logs
Appendix D	Laboratory Analytical Reports & Chain-of-Custody Documentation
Appendix E	NMOCD Correspondence



FIGURES



Folder: C:\Users\Justin Velez\OneDrive - ENSOLUM, LLC\Documents\Projects\Devon Energy Production Company, LP\03A1987156 - Alley Cat 17 CTB 3

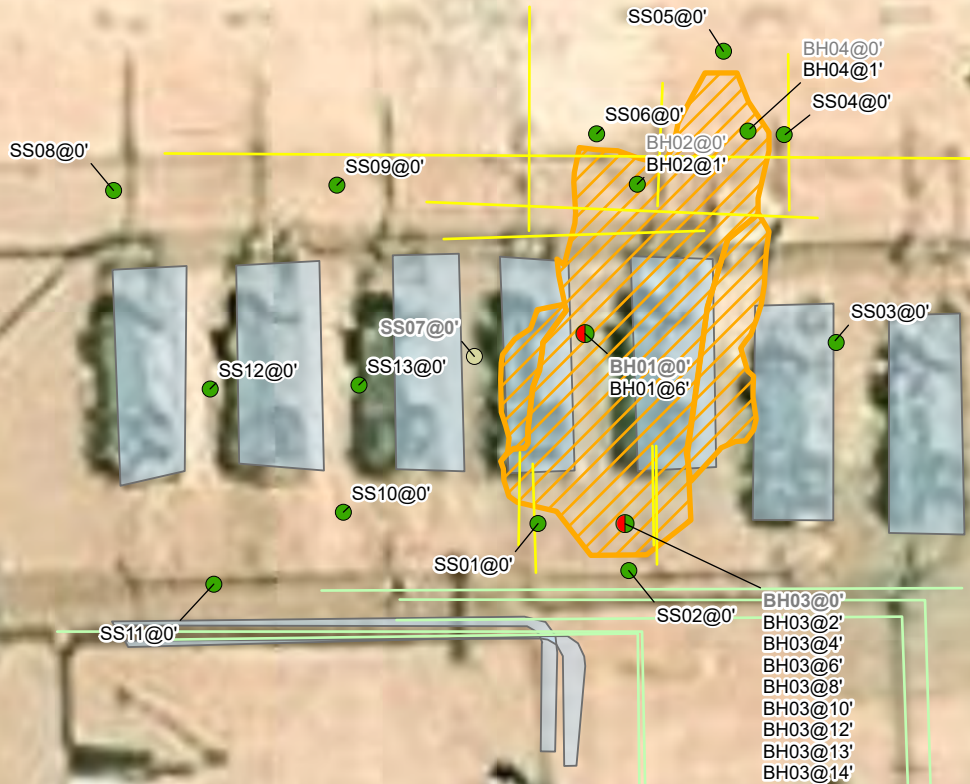


Site Receptor Map
 Devon Energy Production Company, LP
 Alley Cat 17 CTB 3
 Incident Number: nAPP2435154758
 Unit D, Section 17, T 23S, R 32E
 Lea County, New Mexico

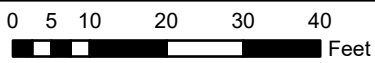
FIGURE
1

Legend

- Delineation Soil Sample in Compliance with Closure Criteria
- Delineation Soil Sample with Concentrations Previously Exceeding Closure Criteria
- Delineation Soil Sample - Removed
- Oil and Gas Utility Line
- Process Piping
- Release Extent
- Production Equipment



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



Sources: Environmental Systems Research Institute (ESRI)



Delineation Soil Sample Locations

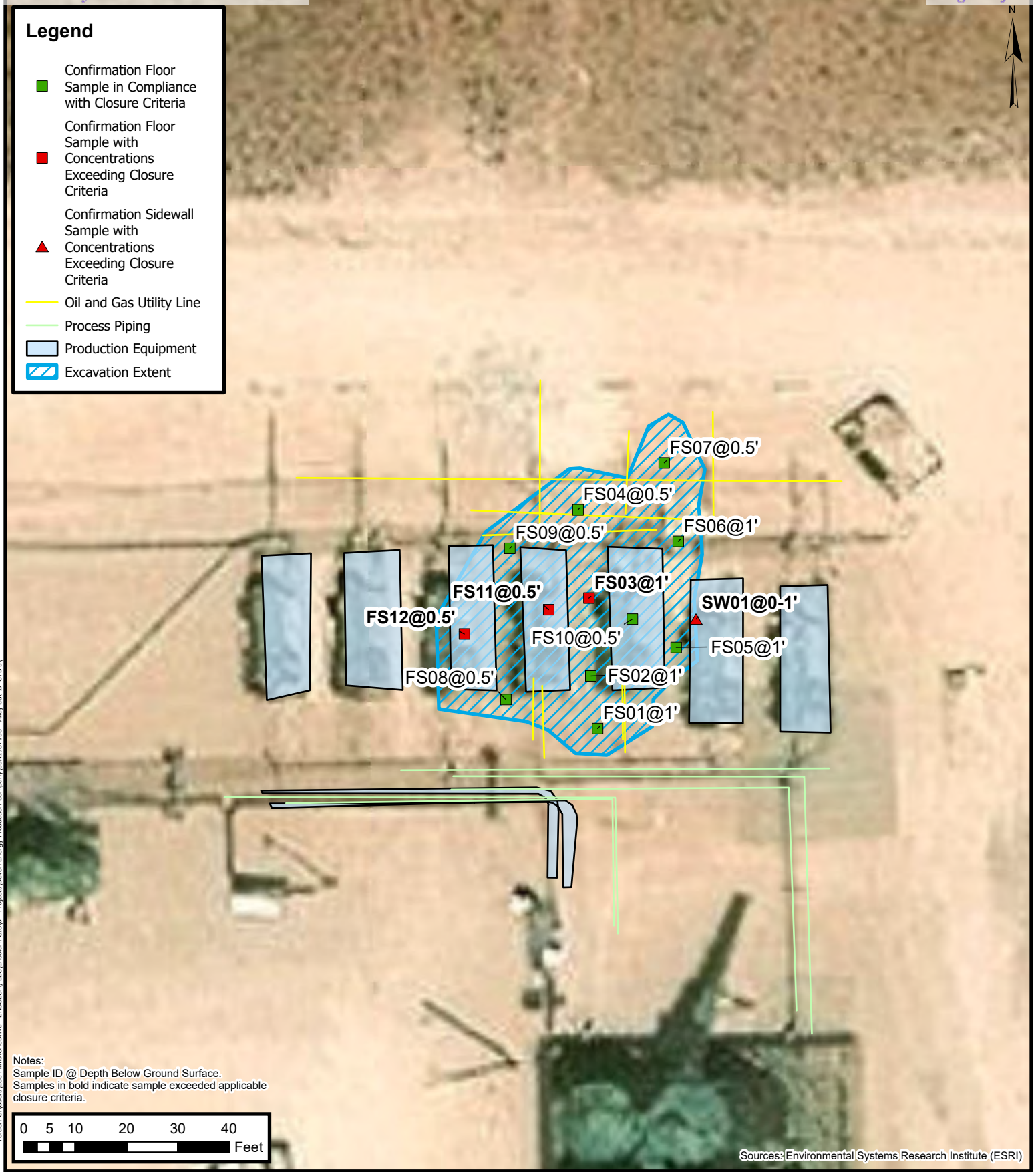
Devon Energy Production Company, LP
 Alley Cat 17 CTB 3
 Incident Number: nAPP2435154758
 Unit D, Section 17, T 23S, R 32E
 Lea County, New Mexico

FIGURE

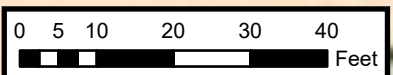
2

Legend

- Confirmation Floor Sample in Compliance with Closure Criteria
- Confirmation Floor Sample with Concentrations Exceeding Closure Criteria
- ▲ Confirmation Sidewall Sample with Concentrations Exceeding Closure Criteria
- Oil and Gas Utility Line
- Process Piping
- 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 Location

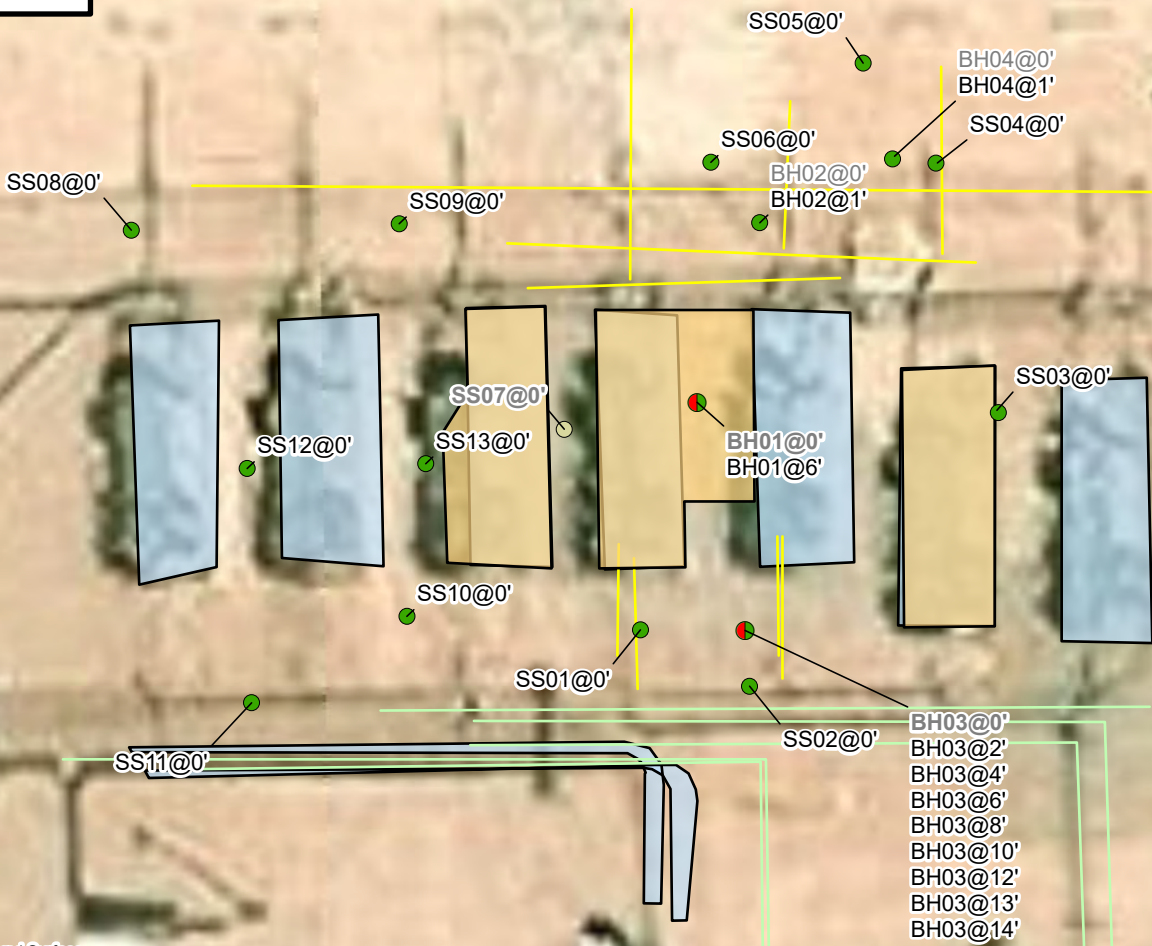
Devon Energy Production Company, LP
 Alley Cat 17 CTB 3
 Incident Number: nAPP2435154758
 Unit D, Section 17, T 23S, R 32E
 Lea County, New Mexico

FIGURE
3

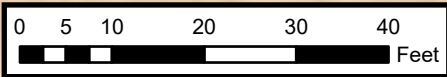


Legend

- Delineation Soil Sample in Compliance with Closure Criteria
- Delineation Soil Sample with Concentrations Exceeding Closure Criteria
- Delineation Soil Sample with Concentrations Previously Exceeding Closure Criteria
- Delineation Soil Sample - Removed
- Oil and Gas Utility Line
- Process Piping
- Production Equipment
- Area of Requested Deferral



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)

Areas of Requested Deferral

Devon Energy Production Company, LP
 Alley Cat 17 CTB 3
 Incident Number: nAPP2435154758
 Unit D, Section 17, T 23S, R 32E
 Lea County, New Mexico

FIGURE

4





TABLES

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
 Alley Cat 17 CTB 3
 Devon Energy Production Company, LP
 Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCDC Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	10,000
Delineation Soil Samples										
SS01	12/18/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	399
SS02	12/18/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS03	12/18/2024	0	<0.0250	<0.0500	<20.0	34.4	59	34.4	93.4	155
SS04	12/18/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	269
SS05	12/18/2024	0	<0.0250	<0.0250	<20.0	35.4	<50.0	35.4	35.4	170
SS06	12/18/2024	0	<0.0250	<0.0500	<20.0	116	69	116	185	68.1
SS07	12/18/2024	0	<0.0250	<0.0500	<20.0	1,900	1,250	1,900	3,150	59.2
SS08	2/3/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	107
SS09	2/3/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	82
SS10	2/3/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	112
SS11	2/3/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	236
SS12	2/3/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,040
SS13	2/3/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	113
BH01	12/31/2024	0	2.32	230.72	<1,000	30,000	11,900	30,000	41,900	8,410
BH01	12/31/2024	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	356
BH02	12/31/2024	0	<0.0250	<0.0500	<20.0	228	206	228	434	378
BH02	12/31/2024	1	<0.0250	<0.0500	<20.0	<25.0	51.2	<25.0	51.2	28.8

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCDC: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Grey text represents samples that have been excavated

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

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

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

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes



TABLE 1 - CONT'D
SOIL SAMPLE ANALYTICAL RESULTS
 Alley Cat 17 CTB 3
 Devon Energy Production Company, LP
 Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	10,000
Delineation Soil Samples										
BH03	12/31/2024	0	0.749	100.149	631	19,900	7,210	20,531	27,741	6,900
BH03	12/31/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,470
BH03	12/31/2024	4	<0.0250	<0.0500	<20.0	113	99.2	113	212.2	894
BH03	12/31/2024	6	<0.0250	<0.0500	<20.0	82.6	68.2	82.6	150.8	946
BH03	12/31/2024	8	<0.0250	<0.0500	<20.0	35.5	<50.0	35.5	35.5	1,380
BH03	2/11/2025	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	443
BH03	2/11/2025	12	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	465
BH03	2/11/2025	13	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	215
BH03	2/11/2025	14	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	35
BH04	12/31/2024	0	<0.0250	<0.0500	<20.0	42.4	57.5	42.4	99.9	24.8
BH04	12/31/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Grey text represents samples that have been excavated

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

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

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

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

TABLE 2
SOIL SAMPLE ANALYTICAL RESULTS
 Alley Cat 17 CTB 3
 Devon Energy Production Company, LP
 Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	10,000
Excavation Floor Soil Samples										
FS01	3/12/2025	1	<0.0250	<0.0500	<20.0	321	267	321	588	1,130
FS02	3/12/2025	1	<0.0250	<0.0500	<20.0	632	431	632	1063	3,420
FS03	3/13/2025	1	<0.0250	<0.0500	21.0	1,730	778	1,751	2,529	798
FS04	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
FS05	3/12/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,440
FS06	3/17/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	90.7
FS07	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	60.4
FS08	3/13/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,030
FS09	3/17/2025	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	40.7
FS10	3/13/2025	0.5	<0.0250	<0.0500	<20.0	172	176	172	348	2,730
FS11	3/13/2025	0.5	<0.0250	<0.0500	<20.0	1,240	1,130	1,240	2,370	2,850
FS12	3/13/2025	0.5	<0.0250	<0.0500	<20.0	1,030	1,170	1,030	2,200	167

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Grey text represents samples that have been excavated

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

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

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

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes



TABLE 3
SOIL SAMPLE ANALYTICAL RESULTS
 Alley Cat 17 CTB 3
 Devon Energy Production Company, LP
 Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	10,000
Sidewall Soil Samples										
SW01	3/17/2025	0-1	<0.0250	<0.0500	<20.0	2,150	995	2,150	3,145	1,510

Notes:

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mg/kg: milligrams per kilogram

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BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes



APPENDIX A

Well Log and Record



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) C-04815 POD 1		WELL TAG ID NO.		OSE FILE NO(S) C-4815-POD1	
	WELL OWNER NAME(S) Devon Energy Resources				PHONE (OPTIONAL)	
	WELL OWNER MAILING ADDRESS 205 E. Bender Road #150				CITY Hobbs	STATE NM
					ZIP 88240	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 18	SECONDS 51.8	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84
LONGITUDE		-103	41	59.4	W	
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE						

2. DRILLING & CASING INFORMATION	LICENSE NO. 1833	NAME OF LICENSED DRILLER Jason Maley			NAME OF WELL DRILLING COMPANY Vision Resources			
	DRILLING STARTED 4-16-24	DRILLING ENDED 4-16-24	DEPTH OF COMPLETED WELL (FT) 55'	BORE HOLE DEPTH (FT) 55'	DEPTH WATER FIRST ENCOUNTERED (FT) N/A			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN *add Centralizer info below <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) 0'	DATE STATIC MEASURED 4-16-24		
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD				ADDITIVES - SPECIFY:			
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:					CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>		
	DEPTH (feet bgl)		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	45	6"	PVC 2" SCH40	Thread	2"	SCH40	N/A
	45	55	6"	PVC 2" SCH40	Thread	2"	SCH40	.02

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				
				None pulled and plugged		

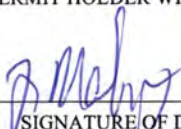
FOR OSE INTERNAL USE

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

FILE NO. C-04815	POD NO. 1	TRN NO. 757440
LOCATION 236.32E.08.143	WELL TAG ID NO.	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
	FROM	TO				
	0	10	10'	Brown sand with caliche	Y ✓ N	
	10	30	20'	Tan fine sand with small rock	Y ✓ N	
	30	55	25'	Tan fine sand	Y ✓ N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY: Dry hole					TOTAL ESTIMATED WELL YIELD (gpm): 0	

5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.
		MISCELLANEOUS INFORMATION:
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Jason Maley	

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

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 09/22/2022)	
FILE NO. C-04815	POD NO. 1	TRN NO. 757440	
LOCATION 235. 32E. 08. 143	WELL TAG ID NO.	PAGE 2 OF 2	

Mike A. Hamman, P.E.
State Engineer



Roswell Office
1900 WEST SECOND STREET
ROSWELL, NM 88201

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

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

Apr. 25, 2024

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

Greetings:

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

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

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

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

Sincerely,

A handwritten signature in cursive script, appearing to read "Rodolfo Chavez".

Rodolfo Chavez
(575) 622-6521

drywell



APPENDIX B

Photographic Log



Photographic Log

Devon Energy Production Company, LP
 Alley Cat 17 CTB 3
 nAPP2435154758



Photograph 1 Date:12/15/2024
 Description: Signage
 View: NA



Photograph 2 Date:12/15/2024
 Description: Initial Spill
 View: NA



Photograph 3 Date:12/15/2024
 Description: Initial Spill
 View: NA

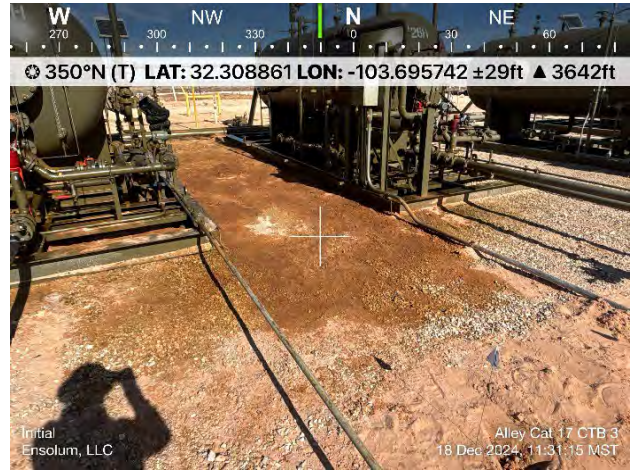
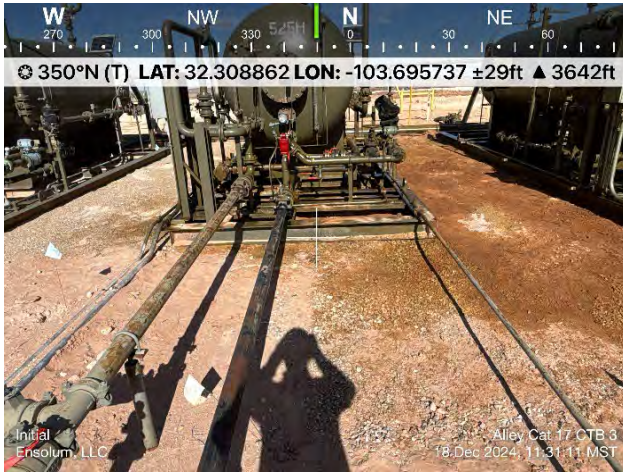


Photograph 4 Date:12/15/2024
 Description: Point of Release
 View: NA



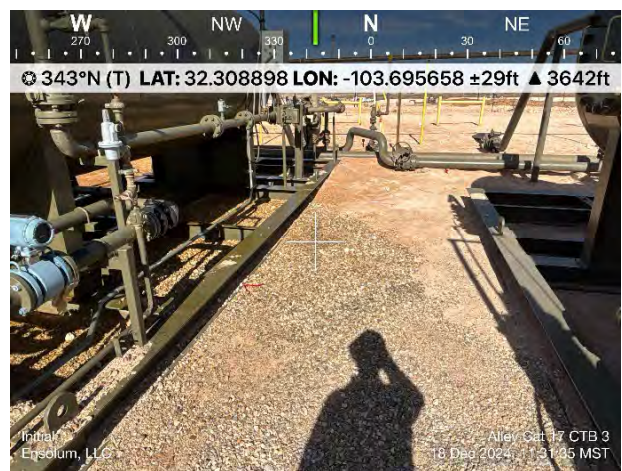
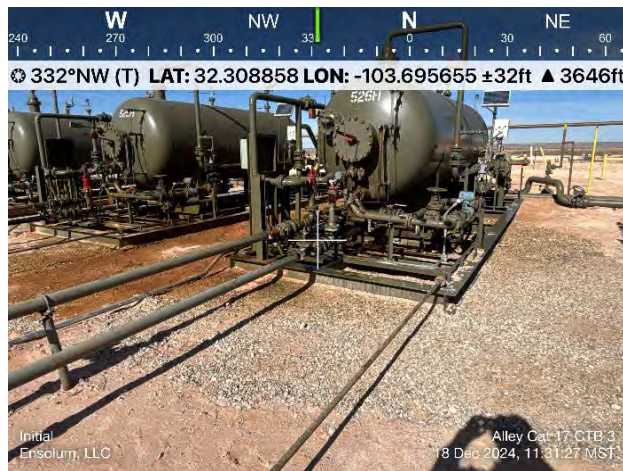
Photographic Log

Devon Energy Production Company, LP
Alley Cat 17 CTB 3
nAPP2435154758



Photograph 5 Date:12/18/2024
Description: Initial
View: North

Photograph 6 Date:12/18/2024
Description: Initial
View: North



Photograph 7 Date:12/18/2024
Description: Initial
View: Northwest

Photograph 8 Date:12/18/2024
Description: Initial
View: North



Photographic Log

Devon Energy Production Company, LP
Alley Cat 17 CTB 3
nAPP2435154758



Photograph 9
Description: Initial
View: Northwest

Date:12/18/2024

Photograph 10
Description: Initial
View: West

Date:12/18/2024



Photograph 11
Description: Initial
View: Southwest

Date:12/18/2024

Photograph 12
Description: Initial
View: Southwest

Date:12/18/2024



Photographic Log

Devon Energy Production Company, LP
Alley Cat 17 CTB 3
nAPP2435154758

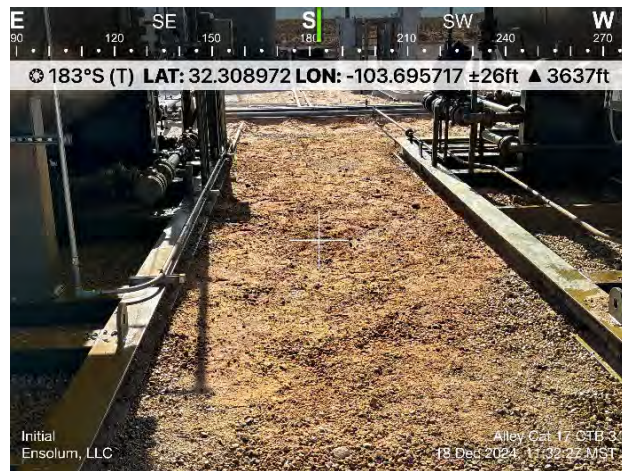


Photograph 13
Description: Initial
View: South

Date:12/18/2024

Photograph 14
Description: Initial
View: Southwest

Date:12/18/2024



Photograph 15
Description: Initial
View: South

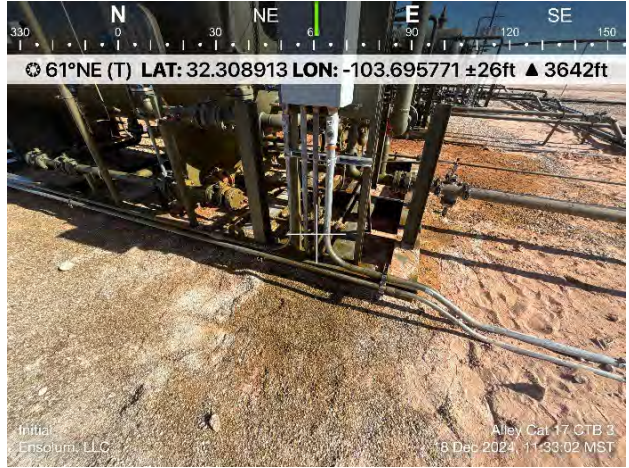
Date:12/18/2024

Photograph 16
Description: Initial
View: Southeast

Date:12/18/2024

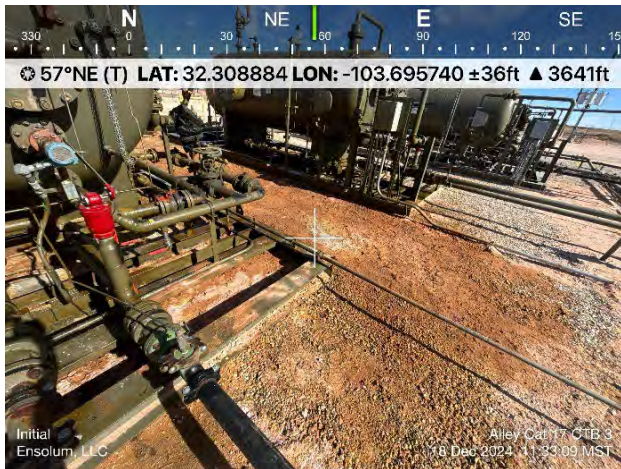


Photographic Log
 Devon Energy Production Company, LP
 Alley Cat 17 CTB 3
 nAPP2435154758



Photograph 17 Date:12/18/2024
 Description: Initial
 View: Southeast

Photograph 18 Date:12/18/2024
 Description: Initial
 View: Northeast



Photograph 19 Date:12/18/2024
 Description: Initial
 View: Northeast

Photograph 20 Date:12/18/2024
 Description: Initial
 View: East



Photographic Log

Devon Energy Production Company, LP
Alley Cat 17 CTB 3
nAPP2435154758



Photograph 21

Date:12/31/2024

Description: BH01

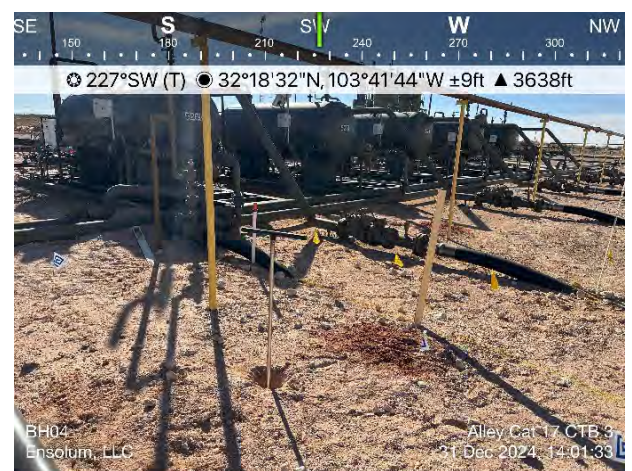
View: Northeast

Photograph 22

Date:12/31/2024

Description: BH02

View: South



Photograph 23

Date:12/31/2024

Description: BH03

View: Northeast

Photograph 24

Date:12/31/2024

Description: BH04

View: Southwest



Photographic Log
 Devon Energy Production Company, LP
 Alley Cat 17 CTB 3
 nAPP2435154758

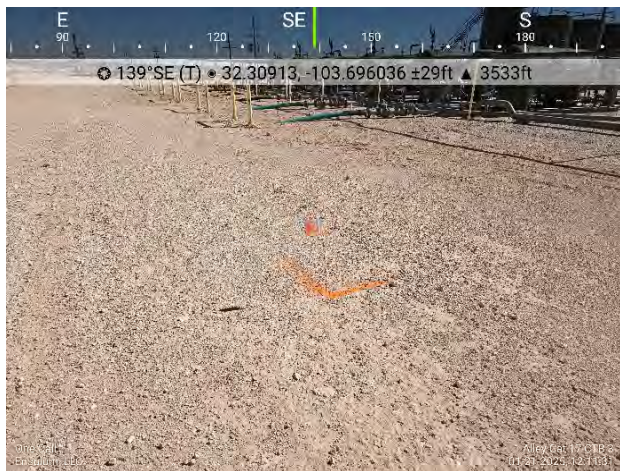


Photograph 25
 Description: One Call
 View: West

Date:1/21/2025

Photograph 26
 Description: One Call
 View: West

Date:1/21/2025



Photograph 27
 Description: One Call
 View: Southeast

Date:1/21/2025

Photograph 28
 Description: One Call
 View: East

Date:1/21/2025



Photographic Log

Devon Energy Production Company, LP
Alley Cat 17 CTB 3
nAPP2435154758



Photograph 29
Description: SS08
View: East

Date:2/3/2025

Photograph 30
Description: SS09
View: East

Date:2/3/2025



Photograph 31
Description: SS10
View: North

Date:2/3/2025

Photograph 32
Description: SS11
View: Northwest

Date:2/3/2025

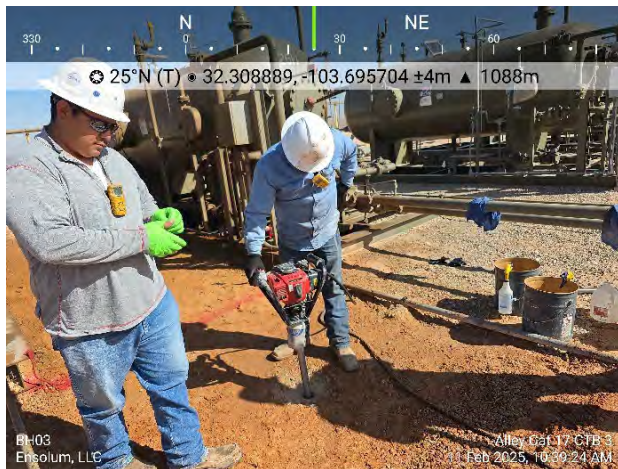


Photographic Log
Devon Energy Production Company, LP
Alley Cat 17 CTB 3
nAPP2435154758



Photograph 33 Date:2/3/2025
Description: SS13
View: South

Photograph 34 Date:2/11/2025
Description: BH03
View: Northeast



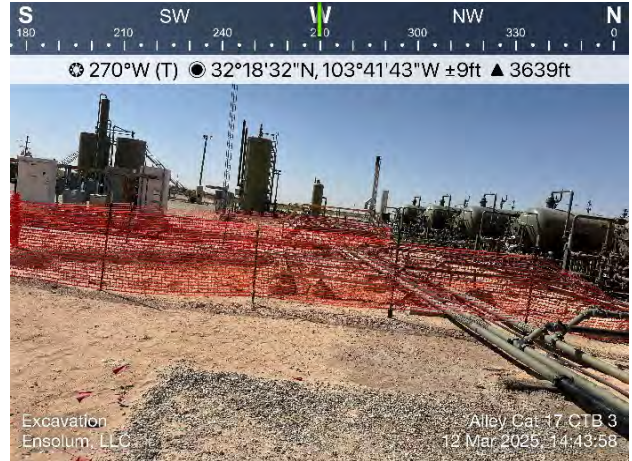
Photograph 35 Date:2/11/2025
Description: BH03
View: Northeast

Photograph 36 Date:2/11/2025
Description: BH03
View: North



Photographic Log

Devon Energy Production Company, LP
Alley Cat 17 CTB 3
nAPP2435154758



Photograph 37 Date:3/12/2025
Description: Excavation
View: North

Photograph 38 Date:3/12/2025
Description: Excavation
View: West



Photograph 39 Date:3/12/2025
Description: Excavation
View: Southwest

Photograph 40 Date:3/12/2025
Description: Excavation
View: Southeast



Photographic Log

Devon Energy Production Company, LP
Alley Cat 17 CTB 3
nAPP2435154758



Photograph 41 Date:3/13/2025
Description: Excavation
View: Southeast

Photograph 42 Date:3/17/2025
Description: Excavation
View: North




Photograph 43 Date:3/17/2025
Description: Excavation
View: Southwest


Photograph 44 Date:3/17/2025
Description: Excavation
View: East





APPENDIX B

Lithologic Soil Sampling Logs

								Sample Name: BH01		Date: 12/31/24	
								Site Name: Alley Cat 17 CTB 3			
								Incident Number: nAPP2435154758			
								Job Number: 03A1987156			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: Oluwale Aderinto		Method: Hand auger	
Coordinates: 32.308957, -103.695700								Hole Diameter: 3"		Total Depth: 6'	
Comments: Field screening conducted with HACH Chloride Test Strips, and PetroFLAG Soil Analyzer System. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.											
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
M			Y		0	0	CCHE	Pad caliche			
M	1,713		N		1	1	SP-SM	Poorly graded sand with silt, Non-pliable, non-plastic, brown.			
M	918		N		2	2					
M	638		N		3	3					
M	576		N		4	4					
M	576		N		5	5					
M	515	15	N		6	6					
Total Depth = 6'											

					Sample Name: BH02		Date: 12/31/24	
					Site Name: Alley Cat 17 CTB 3			
					Incident Number: nAPP2435154758			
					Job Number: 03A1987158			
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: Oluwale Aderinto		Method: Hand auger	
Coordinates: 32.309010, -103.695677					Hole Diameter: 3"		Total Depth: 1'	
Comments: Field screening conducted with HACH Chloride Test Strips, and PetroFLAG Soil Analyzer System. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.								
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D			Y	BH02	0	0	CCHE	Pad Caliche
M	ND	9	N	BH02	1	1	SP-SM	Poorly graded sand with silt, non-pliable, non-plastic, brown.
Total Depth = 1'								

					Sample Name: BH03		Date: 12/31/24			
					Site Name: Alley Cat 17 CTB 3					
					Incident Number: nAPP2435154758					
					Job Number: 03A1987156					
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: Oluwale Aderinto		Method: Hand auger			
Coordinates: 32.308888, -103.695684					Hole Diameter: 3"		Total Depth: 14'			
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)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions		
M			Y	BH03	0	0	CCHE	Pad Caliche		
M	1,982		N		1	1	SP-SM	Poorly graded sand with silt, non-pliable, non-plastic, brown.		
M	2,133		N		2	2				
M	1,170		N		3	3				
M	1,265		N		4	4				
M	918		N		5	5				
M	1,265		N		6	6				
M	1,842		N		7	7				
M	1,842		N		8	8				
M	1,300		N		10	10				
M	600		N		12	12				
M	400		N		13	13				
M	100		N		14	14				

					Sample Name: BH04		Date: 12/31/24	
					Site Name: Alley Cat 17 CTB 3			
					Incident Number: nAPP2435154758			
					Job Number: 03A1987158			
LITHOLOGIC / SOIL SAMPLING LOG					Logged By: Oluwale Aderinto		Method: Hand auger	
Coordinates: 32.309029, -103.695630					Hole Diameter: 3"		Total Depth: 1'	
Comments: Field screening conducted with HACH Chloride Test Strips, and PetroFLAG Soil Analyzer System. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.								
Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D			N	BH04	0	0	CCHE	Pad Caliche
M	ND	7	N	BH04	1	1	SP-SM	Poorly graded sand with silt, non-pliable, non-plastic, brown.
Total Depth = 1'								



APPENDIX D

Laboratory Analytical Reports & Chain-of-Custody Documentation

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name: Alley Cat 17 CTB 3

Work Order: E412165

Job Number: 01058-0007

Received: 12/20/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
12/31/24

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: 12/31/24



Ashley Giovengo
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Alley Cat 17 CTB 3
Workorder: E412165
Date Received: 12/20/2024 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/20/2024 8:00:00AM, under the Project Name: Alley Cat 17 CTB 3.

The analytical test results summarized in this report with the Project Name: Alley Cat 17 CTB 3 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

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

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

Envirotech Web Address: www.envirotech-inc.com

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QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	8
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Sample Summary

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Alley Cat 17 CTB 3 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 12/31/24 09:45
---	--	------------------------------------

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS05 @ 0'	E412165-01A	Soil	12/18/24	12/20/24	Glass Jar, 2 oz.



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Alley Cat 17 CTB 3 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 12/31/2024 9:45:57AM
---	--	--

SS05 @ 0'
E412165-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2451088
Benzene	ND	0.0250	1	12/20/24	12/21/24	
Ethylbenzene	ND	0.0250	1	12/20/24	12/21/24	
Toluene	ND	0.0250	1	12/20/24	12/21/24	
o-Xylene	ND	0.0250	1	12/20/24	12/21/24	
p,m-Xylene	ND	0.0500	1	12/20/24	12/21/24	
Total Xylenes	ND	0.0250	1	12/20/24	12/21/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		87.6 %	70-130	12/20/24	12/21/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2451088
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/20/24	12/21/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.1 %	70-130	12/20/24	12/21/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2451100
Diesel Range Organics (C10-C28)	35.4	25.0	1	12/20/24	12/24/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/20/24	12/24/24	
<i>Surrogate: n-Nonane</i>						
		112 %	50-200	12/20/24	12/24/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2451079
Chloride	170	20.0	1	12/19/24	12/20/24	



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Alley Cat 17 CTB 3 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 12/31/2024 9:45:57AM
---	--	--

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

Blank (2451088-BLK1)

Prepared: 12/20/24 Analyzed: 12/21/24

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	6.77		8.00		84.7	70-130			

LCS (2451088-BS1)

Prepared: 12/20/24 Analyzed: 12/21/24

Benzene	5.65	0.0250	5.00		113	70-130			
Ethylbenzene	5.36	0.0250	5.00		107	70-130			
Toluene	5.52	0.0250	5.00		110	70-130			
o-Xylene	5.33	0.0250	5.00		107	70-130			
p,m-Xylene	10.8	0.0500	10.0		108	70-130			
Total Xylenes	16.2	0.0250	15.0		108	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.04		8.00		88.1	70-130			

LCS Dup (2451088-BSD1)

Prepared: 12/20/24 Analyzed: 12/21/24

Benzene	5.21	0.0250	5.00		104	70-130	7.97	20	
Ethylbenzene	4.97	0.0250	5.00		99.4	70-130	7.64	20	
Toluene	5.11	0.0250	5.00		102	70-130	7.89	20	
o-Xylene	4.94	0.0250	5.00		98.8	70-130	7.57	20	
p,m-Xylene	10.0	0.0500	10.0		100	70-130	7.61	20	
Total Xylenes	15.0	0.0250	15.0		99.9	70-130	7.60	20	
Surrogate: 4-Bromochlorobenzene-PID	6.91		8.00		86.4	70-130			



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Alley Cat 17 CTB 3 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 12/31/2024 9:45:57AM
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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 (2451088-BLK1)

Prepared: 12/20/24 Analyzed: 12/21/24

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

LCS (2451088-BS2)

Prepared: 12/20/24 Analyzed: 12/21/24

Gasoline Range Organics (C6-C10)	42.4	20.0	50.0		84.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.73		8.00		96.6	70-130			

LCS Dup (2451088-BSD2)

Prepared: 12/20/24 Analyzed: 12/21/24

Gasoline Range Organics (C6-C10)	44.2	20.0	50.0		88.4	70-130	4.10	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.81		8.00		97.6	70-130			



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Alley Cat 17 CTB 3 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 12/31/2024 9:45:57AM
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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 (2451100-BLK1)

Prepared: 12/20/24 Analyzed: 12/20/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	54.7		50.0		109	50-200			

LCS (2451100-BS1)

Prepared: 12/20/24 Analyzed: 12/20/24

Diesel Range Organics (C10-C28)	281	25.0	250		112	38-132			
Surrogate: n-Nonane	55.9		50.0		112	50-200			

Matrix Spike (2451100-MS1)

Source: E412168-01

Prepared: 12/20/24 Analyzed: 12/20/24

Diesel Range Organics (C10-C28)	4920	50.0	250	4090	332	38-132			M4
Surrogate: n-Nonane	55.8		50.0		112	50-200			

Matrix Spike Dup (2451100-MSD1)

Source: E412168-01

Prepared: 12/20/24 Analyzed: 12/24/24

Diesel Range Organics (C10-C28)	4720	50.0	250	4090	250	38-132	4.21	20	M4
Surrogate: n-Nonane	57.8		50.0		116	50-200			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Alley Cat 17 CTB 3	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/31/2024 9:45:57AM

Anions by EPA 300.0/9056A

Analyst: DT

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

Blank (2451079-BLK1)

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

Chloride	ND	20.0							
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LCS (2451079-BS1)

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

Chloride	257	20.0	250		103	90-110			
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LCS Dup (2451079-BSD1)

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

Chloride	257	20.0	250		103	90-110	0.122	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:	Alley Cat 17 CTB 3	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/31/24 09:45

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

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



Released to Imaging: 5/13/2025 11:47:18 AM

Received by OCD: 5/6/2025 3:31:16 PM

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: Alley Cat 17 CTB 3				Address: 5315 Buena Vista Dr			E412165		01058-0007						X	X			
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: (575)689-7597															
City, State, Zip: Carlsbad NM, 88220				Email: jim.raley@dvn.com															
Phone: 575-988-0055				Miscellaneous: Jim Raley															
Email: agiovengo@ensolum.com																			
Sample Information										Analysis and Method							EPA Program		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field	Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA	
12:00	12/18/2024	s	1	SS05 @ 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, jgonzalez@ensolum.com I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Higinio Gonzalez																			
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. Lab Use Only Received on ice: <input checked="" type="radio"/> Y / <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time												
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time												
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time												
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA _____									
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			

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Envirotech Analytical Laboratory

Printed: 12/20/2024 9:45:35AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Devon Energy - Carlsbad	Date Received:	12/20/24 08:00	Work Order ID:	E412165
Phone:	(505) 382-1211	Date Logged In:	12/19/24 16:26	Logged In By:	Noe Soto
Email:	agiovengo@ensolum.com	Due Date:	12/31/24 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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: Alley Cat 17 CTB 3

Work Order: E412166

Job Number: 01058-0007

Received: 12/20/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
12/30/24

5796 U.S. Hwy 64
Farmington, NM 87401

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



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



Date Reported: 12/30/24

Ashley Giovengo
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Alley Cat 17 CTB 3
Workorder: E412166
Date Received: 12/20/2024 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/20/2024 8:00:00AM, under the Project Name: Alley Cat 17 CTB 3.

The analytical test results summarized in this report with the Project Name: Alley Cat 17 CTB 3 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

Raina Schwanz
Laboratory Administrator
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Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Alley Cat 17 CTB 3 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 12/30/24 14:52
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS01 @ 0'	E412166-01A	Soil	12/18/24	12/20/24	Glass Jar, 2 oz.
SS02 @ 0'	E412166-02A	Soil	12/18/24	12/20/24	Glass Jar, 2 oz.
SS03 @ 0'	E412166-03A	Soil	12/18/24	12/20/24	Glass Jar, 2 oz.
SS04 @ 0'	E412166-04A	Soil	12/18/24	12/20/24	Glass Jar, 2 oz.
SS06 @ 0'	E412166-05A	Soil	12/18/24	12/20/24	Glass Jar, 2 oz.
SS07 @ 0'	E412166-06A	Soil	12/18/24	12/20/24	Glass Jar, 2 oz.



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Alley Cat 17 CTB 3 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 12/30/2024 2:52:14PM
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SS01 @ 0'
E412166-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2451088
Benzene	ND	0.0250	1	12/20/24	12/21/24	
Ethylbenzene	ND	0.0250	1	12/20/24	12/21/24	
Toluene	ND	0.0250	1	12/20/24	12/21/24	
o-Xylene	ND	0.0250	1	12/20/24	12/21/24	
p,m-Xylene	ND	0.0500	1	12/20/24	12/21/24	
Total Xylenes	ND	0.0250	1	12/20/24	12/21/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		87.7 %	70-130	12/20/24	12/21/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2451088
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/20/24	12/21/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.6 %	70-130	12/20/24	12/21/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2451093
Diesel Range Organics (C10-C28)	ND	25.0	1	12/20/24	12/21/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/20/24	12/21/24	
<i>Surrogate: n-Nonane</i>		98.0 %	50-200	12/20/24	12/21/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2451087
Chloride	399	20.0	1	12/20/24	12/20/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Alley Cat 17 CTB 3 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 12/30/2024 2:52:14PM
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SS02 @ 0'

E412166-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2451088
Benzene	ND	0.0250	1	12/20/24	12/21/24	
Ethylbenzene	ND	0.0250	1	12/20/24	12/21/24	
Toluene	ND	0.0250	1	12/20/24	12/21/24	
o-Xylene	ND	0.0250	1	12/20/24	12/21/24	
p,m-Xylene	ND	0.0500	1	12/20/24	12/21/24	
Total Xylenes	ND	0.0250	1	12/20/24	12/21/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		88.0 %	70-130	12/20/24	12/21/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2451088
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/20/24	12/21/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.2 %	70-130	12/20/24	12/21/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2451093
Diesel Range Organics (C10-C28)	ND	25.0	1	12/20/24	12/21/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/20/24	12/21/24	
<i>Surrogate: n-Nonane</i>		97.5 %	50-200	12/20/24	12/21/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2451087
Chloride	ND	20.0	1	12/20/24	12/20/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Alley Cat 17 CTB 3 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 12/30/2024 2:52:14PM
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SS03 @ 0'

E412166-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2451088
Benzene	ND	0.0250	1	12/20/24	12/21/24	
Ethylbenzene	ND	0.0250	1	12/20/24	12/21/24	
Toluene	ND	0.0250	1	12/20/24	12/21/24	
o-Xylene	ND	0.0250	1	12/20/24	12/21/24	
p,m-Xylene	ND	0.0500	1	12/20/24	12/21/24	
Total Xylenes	ND	0.0250	1	12/20/24	12/21/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		87.6 %	70-130	12/20/24	12/21/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2451088
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/20/24	12/21/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.4 %	70-130	12/20/24	12/21/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2451093
Diesel Range Organics (C10-C28)	34.4	25.0	1	12/20/24	12/21/24	
Oil Range Organics (C28-C36)	59.0	50.0	1	12/20/24	12/21/24	
<i>Surrogate: n-Nonane</i>		91.2 %	50-200	12/20/24	12/21/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2451087
Chloride	155	20.0	1	12/20/24	12/20/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Alley Cat 17 CTB 3 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 12/30/2024 2:52:14PM
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SS04 @ 0'

E412166-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2451088
Benzene	ND	0.0250	1	12/20/24	12/21/24	
Ethylbenzene	ND	0.0250	1	12/20/24	12/21/24	
Toluene	ND	0.0250	1	12/20/24	12/21/24	
o-Xylene	ND	0.0250	1	12/20/24	12/21/24	
p,m-Xylene	ND	0.0500	1	12/20/24	12/21/24	
Total Xylenes	ND	0.0250	1	12/20/24	12/21/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		87.7 %	70-130	12/20/24	12/21/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2451088
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/20/24	12/21/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.7 %	70-130	12/20/24	12/21/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2451093
Diesel Range Organics (C10-C28)	ND	25.0	1	12/20/24	12/21/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/20/24	12/21/24	
<i>Surrogate: n-Nonane</i>		98.5 %	50-200	12/20/24	12/21/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2451087
Chloride	269	20.0	1	12/20/24	12/20/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Alley Cat 17 CTB 3 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 12/30/2024 2:52:14PM
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SS06 @ 0'

E412166-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2451088
Benzene	ND	0.0250	1	12/20/24	12/21/24	
Ethylbenzene	ND	0.0250	1	12/20/24	12/21/24	
Toluene	ND	0.0250	1	12/20/24	12/21/24	
o-Xylene	ND	0.0250	1	12/20/24	12/21/24	
p,m-Xylene	ND	0.0500	1	12/20/24	12/21/24	
Total Xylenes	ND	0.0250	1	12/20/24	12/21/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		88.7 %	70-130	12/20/24	12/21/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2451088
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/20/24	12/21/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.7 %	70-130	12/20/24	12/21/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2451093
Diesel Range Organics (C10-C28)	116	25.0	1	12/20/24	12/21/24	
Oil Range Organics (C28-C36)	69.0	50.0	1	12/20/24	12/21/24	
<i>Surrogate: n-Nonane</i>		105 %	50-200	12/20/24	12/21/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2451087
Chloride	68.1	20.0	1	12/20/24	12/20/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Alley Cat 17 CTB 3 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 12/30/2024 2:52:14PM
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SS07 @ 0'

E412166-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2451088
Benzene	ND	0.0250	1	12/20/24	12/21/24	
Ethylbenzene	ND	0.0250	1	12/20/24	12/21/24	
Toluene	ND	0.0250	1	12/20/24	12/21/24	
o-Xylene	ND	0.0250	1	12/20/24	12/21/24	
p,m-Xylene	ND	0.0500	1	12/20/24	12/21/24	
Total Xylenes	ND	0.0250	1	12/20/24	12/21/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		87.8 %	70-130	12/20/24	12/21/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2451088
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/20/24	12/21/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.3 %	70-130	12/20/24	12/21/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2451093
Diesel Range Organics (C10-C28)	1900	25.0	1	12/20/24	12/21/24	
Oil Range Organics (C28-C36)	1250	50.0	1	12/20/24	12/21/24	
<i>Surrogate: n-Nonane</i>		105 %	50-200	12/20/24	12/21/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2451087
Chloride	59.2	20.0	1	12/20/24	12/20/24	



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Alley Cat 17 CTB 3 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 12/30/2024 2:52:14PM
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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 (2451088-BLK1)

Prepared: 12/20/24 Analyzed: 12/21/24

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	6.77		8.00		84.7	70-130			

LCS (2451088-BS1)

Prepared: 12/20/24 Analyzed: 12/21/24

Benzene	5.65	0.0250	5.00		113	70-130			
Ethylbenzene	5.36	0.0250	5.00		107	70-130			
Toluene	5.52	0.0250	5.00		110	70-130			
o-Xylene	5.33	0.0250	5.00		107	70-130			
p,m-Xylene	10.8	0.0500	10.0		108	70-130			
Total Xylenes	16.2	0.0250	15.0		108	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.04		8.00		88.1	70-130			

LCS Dup (2451088-BSD1)

Prepared: 12/20/24 Analyzed: 12/21/24

Benzene	5.21	0.0250	5.00		104	70-130	7.97	20	
Ethylbenzene	4.97	0.0250	5.00		99.4	70-130	7.64	20	
Toluene	5.11	0.0250	5.00		102	70-130	7.89	20	
o-Xylene	4.94	0.0250	5.00		98.8	70-130	7.57	20	
p,m-Xylene	10.0	0.0500	10.0		100	70-130	7.61	20	
Total Xylenes	15.0	0.0250	15.0		99.9	70-130	7.60	20	
Surrogate: 4-Bromochlorobenzene-PID	6.91		8.00		86.4	70-130			



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Alley Cat 17 CTB 3 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 12/30/2024 2:52:14PM
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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 (2451088-BLK1)

Prepared: 12/20/24 Analyzed: 12/21/24

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

LCS (2451088-BS2)

Prepared: 12/20/24 Analyzed: 12/21/24

Gasoline Range Organics (C6-C10)	42.4	20.0	50.0		84.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.73		8.00		96.6	70-130			

LCS Dup (2451088-BSD2)

Prepared: 12/20/24 Analyzed: 12/21/24

Gasoline Range Organics (C6-C10)	44.2	20.0	50.0		88.4	70-130	4.10	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.81		8.00		97.6	70-130			



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Alley Cat 17 CTB 3 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 12/30/2024 2:52:14PM
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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 (2451093-BLK1)

Prepared: 12/20/24 Analyzed: 12/20/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	52.2		50.0		104	50-200			

LCS (2451093-BS1)

Prepared: 12/20/24 Analyzed: 12/20/24

Diesel Range Organics (C10-C28)	269	25.0	250		108	38-132			
Surrogate: n-Nonane	50.7		50.0		101	50-200			

Matrix Spike (2451093-MS1)

Source: E412164-08

Prepared: 12/20/24 Analyzed: 12/20/24

Diesel Range Organics (C10-C28)	265	25.0	250	ND	106	38-132			
Surrogate: n-Nonane	49.0		50.0		98.1	50-200			

Matrix Spike Dup (2451093-MSD1)

Source: E412164-08

Prepared: 12/20/24 Analyzed: 12/20/24

Diesel Range Organics (C10-C28)	269	25.0	250	ND	108	38-132	1.70	20	
Surrogate: n-Nonane	50.9		50.0		102	50-200			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Alley Cat 17 CTB 3	Reported: 12/30/2024 2:52:14PM
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	

Anions by EPA 300.0/9056A

Analyst: JM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2451087-BLK1)

Prepared: 12/20/24 Analyzed: 12/20/24

Chloride	ND	20.0							
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LCS (2451087-BS1)

Prepared: 12/20/24 Analyzed: 12/20/24

Chloride	249	20.0	250		99.6	90-110			
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LCS Dup (2451087-BSD1)

Prepared: 12/20/24 Analyzed: 12/20/24

Chloride	251	20.0	250		101	90-110	0.969	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:	Alley Cat 17 CTB 3	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/30/24 14:52

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: 5/13/2025 11:47:18 AM

Received by OCD: 5/6/2025 3:31:16 PM

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: Alley Cat 17 CTB 3				Address: 5315 Buena Vista Dr				E412166		0058-0007					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	
10:40	12/18/2024	s	1	SS01 @ 0'		1						X								
12:51	12/18/2024	s	1	SS02 @ 0'		2						X								
11:19	12/18/2024	s	1	SS03 @ 0'		3						X								
11:20	12/18/2024	s	1	SS04 @ 0'		4						X								
10:47	12/18/2024	s	1	SS06 @ 0'		5						X								
10:49	12/18/2024	s	1	SS07 @ 0'		6						X								
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@dvn.com, iestrella@ensolum.com, chamilton@ensolum.com, bsimmons@ensolum.com, jgonzalez@ensolum.com																				
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																				
Sampled by: Higinio Gonzalez																				
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>												
		12-19-24	0800	Michelle Gonzales		12-19-24	0800													
		12-19-24	1545			12-19-24	1600													
		12-19-24	2300	Noel Soto		12-20-24	0800													
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: 12/20/2024 9:49:36AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Devon Energy - Carlsbad	Date Received:	12/20/24 08:00	Work Order ID:	E412166
Phone:	(505) 382-1211	Date Logged In:	12/19/24 16:27	Logged In By:	Noe Soto
Email:	agiovengo@ensolum.com	Due Date:	12/31/24 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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: Alley Cat 17 CTB 3

Work Order: E501007

Job Number: 01058-0007

Received: 1/3/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
1/8/25

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: 1/8/25

Ashley Giovengo
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Alley Cat 17 CTB 3
Workorder: E501007
Date Received: 1/3/2025 6:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/3/2025 6:30:00AM, under the Project Name: Alley Cat 17 CTB 3.

The analytical test results summarized in this report with the Project Name: Alley Cat 17 CTB 3 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

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Sample Summary

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Alley Cat 17 CTB 3 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 01/08/25 10:27
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH01-0'	E501007-01A	Soil	12/31/24	01/03/25	Glass Jar, 2 oz.
BH01-6'	E501007-02A	Soil	12/31/24	01/03/25	Glass Jar, 2 oz.
BH02-0'	E501007-03A	Soil	12/31/24	01/03/25	Glass Jar, 2 oz.
BH02-1'	E501007-04A	Soil	12/31/24	01/03/25	Glass Jar, 2 oz.
BH04-0'	E501007-05A	Soil	12/31/24	01/03/25	Glass Jar, 2 oz.
BH04-1'	E501007-06A	Soil	12/31/24	01/03/25	Glass Jar, 2 oz.



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Alley Cat 17 CTB 3 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 1/8/2025 10:27:01AM
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BH01-0'
E501007-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	mg/kg	Analyst: SL		Batch: 2501031
Benzene	2.32	1.25	50	01/03/25	01/04/25	
Ethylbenzene	29.6	1.25	50	01/03/25	01/04/25	
Toluene	53.5	1.25	50	01/03/25	01/04/25	
o-Xylene	41.3	1.25	50	01/03/25	01/04/25	
p,m-Xylene	104	2.50	50	01/03/25	01/04/25	
Total Xylenes	145	1.25	50	01/03/25	01/04/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		113 %	70-130	01/03/25	01/04/25	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: SL		Batch: 2501031
Gasoline Range Organics (C6-C10)	ND	1000	50	01/03/25	01/04/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		86.5 %	70-130	01/03/25	01/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: NV		Batch: 2501039
Diesel Range Organics (C10-C28)	30000	250	10	01/03/25	01/07/25	
Oil Range Organics (C28-C36)	11900	500	10	01/03/25	01/07/25	
<i>Surrogate: n-Nonane</i>		492 %	50-200	01/03/25	01/07/25	S5
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: DT		Batch: 2501048
Chloride	8410	200	10	01/04/25	01/04/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Alley Cat 17 CTB 3 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 1/8/2025 10:27:01AM
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BH01-6'
E501007-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2501031
Benzene	ND	0.0250	1	01/03/25	01/04/25	
Ethylbenzene	ND	0.0250	1	01/03/25	01/04/25	
Toluene	ND	0.0250	1	01/03/25	01/04/25	
o-Xylene	ND	0.0250	1	01/03/25	01/04/25	
p,m-Xylene	ND	0.0500	1	01/03/25	01/04/25	
Total Xylenes	ND	0.0250	1	01/03/25	01/04/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		104 %	70-130	01/03/25	01/04/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2501031
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/03/25	01/04/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		85.2 %	70-130	01/03/25	01/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2501039
Diesel Range Organics (C10-C28)	ND	25.0	1	01/03/25	01/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/03/25	01/07/25	
<i>Surrogate: n-Nonane</i>		113 %	50-200	01/03/25	01/07/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2501048
Chloride	356	20.0	1	01/04/25	01/04/25	

Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Alley Cat 17 CTB 3 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 1/8/2025 10:27:01AM
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BH02-0'

E501007-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2501031
Benzene	ND	0.0250	1	01/03/25	01/04/25	
Ethylbenzene	ND	0.0250	1	01/03/25	01/04/25	
Toluene	ND	0.0250	1	01/03/25	01/04/25	
o-Xylene	ND	0.0250	1	01/03/25	01/04/25	
p,m-Xylene	ND	0.0500	1	01/03/25	01/04/25	
Total Xylenes	ND	0.0250	1	01/03/25	01/04/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	01/03/25	01/04/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2501031
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/03/25	01/04/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		84.9 %	70-130	01/03/25	01/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: AF		Batch: 2501039
Diesel Range Organics (C10-C28)	228	25.0	1	01/03/25	01/03/25	
Oil Range Organics (C28-C36)	206	50.0	1	01/03/25	01/03/25	
<i>Surrogate: n-Nonane</i>		109 %	50-200	01/03/25	01/03/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2501048
Chloride	378	20.0	1	01/04/25	01/04/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Alley Cat 17 CTB 3 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 1/8/2025 10:27:01AM
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BH02-1'

E501007-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2501031
Benzene	ND	0.0250	1	01/03/25	01/04/25	
Ethylbenzene	ND	0.0250	1	01/03/25	01/04/25	
Toluene	ND	0.0250	1	01/03/25	01/04/25	
o-Xylene	ND	0.0250	1	01/03/25	01/04/25	
p,m-Xylene	ND	0.0500	1	01/03/25	01/04/25	
Total Xylenes	ND	0.0250	1	01/03/25	01/04/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	01/03/25	01/04/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2501031
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/03/25	01/04/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		86.0 %	70-130	01/03/25	01/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: AF		Batch: 2501039
Diesel Range Organics (C10-C28)	ND	25.0	1	01/03/25	01/03/25	
Oil Range Organics (C28-C36)	51.2	50.0	1	01/03/25	01/03/25	
<i>Surrogate: n-Nonane</i>		112 %	50-200	01/03/25	01/03/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2501048
Chloride	28.8	20.0	1	01/04/25	01/04/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Alley Cat 17 CTB 3 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 1/8/2025 10:27:01AM
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BH04-0'

E501007-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2501031
Benzene	ND	0.0250	1	01/03/25	01/04/25	
Ethylbenzene	ND	0.0250	1	01/03/25	01/04/25	
Toluene	ND	0.0250	1	01/03/25	01/04/25	
o-Xylene	ND	0.0250	1	01/03/25	01/04/25	
p,m-Xylene	ND	0.0500	1	01/03/25	01/04/25	
Total Xylenes	ND	0.0250	1	01/03/25	01/04/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	01/03/25	01/04/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2501031
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/03/25	01/04/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		84.5 %	70-130	01/03/25	01/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: AF		Batch: 2501039
Diesel Range Organics (C10-C28)	42.4	25.0	1	01/03/25	01/03/25	
Oil Range Organics (C28-C36)	57.5	50.0	1	01/03/25	01/03/25	
<i>Surrogate: n-Nonane</i>		96.8 %	50-200	01/03/25	01/03/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2501048
Chloride	24.8	20.0	1	01/04/25	01/04/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Alley Cat 17 CTB 3 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 1/8/2025 10:27:01AM
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BH04-1'

E501007-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2501031
Benzene	ND	0.0250	1	01/03/25	01/04/25	
Ethylbenzene	ND	0.0250	1	01/03/25	01/04/25	
Toluene	ND	0.0250	1	01/03/25	01/04/25	
o-Xylene	ND	0.0250	1	01/03/25	01/04/25	
p,m-Xylene	ND	0.0500	1	01/03/25	01/04/25	
Total Xylenes	ND	0.0250	1	01/03/25	01/04/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	01/03/25	01/04/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2501031
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/03/25	01/04/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		85.4 %	70-130	01/03/25	01/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: AF		Batch: 2501039
Diesel Range Organics (C10-C28)	ND	25.0	1	01/03/25	01/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/03/25	01/03/25	
<i>Surrogate: n-Nonane</i>		112 %	50-200	01/03/25	01/03/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2501048
Chloride	ND	20.0	1	01/04/25	01/04/25	



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Alley Cat 17 CTB 3 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 1/8/2025 10:27:01AM
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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 (2501031-BLK1)

Prepared: 01/03/25 Analyzed: 01/03/25

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	8.05		8.00		101	70-130			

LCS (2501031-BS1)

Prepared: 01/03/25 Analyzed: 01/06/25

Benzene	5.53	0.0250	5.00		111	70-130			
Ethylbenzene	5.34	0.0250	5.00		107	70-130			
Toluene	5.45	0.0250	5.00		109	70-130			
o-Xylene	5.27	0.0250	5.00		105	70-130			
p,m-Xylene	10.9	0.0500	10.0		109	70-130			
Total Xylenes	16.1	0.0250	15.0		108	70-130			
Surrogate: 4-Bromochlorobenzene-PID	6.88		8.00		85.9	70-130			

LCS Dup (2501031-BSD1)

Prepared: 01/03/25 Analyzed: 01/06/25

Benzene	5.45	0.0250	5.00		109	70-130	1.32	20	
Ethylbenzene	5.21	0.0250	5.00		104	70-130	2.43	20	
Toluene	5.35	0.0250	5.00		107	70-130	1.89	20	
o-Xylene	5.16	0.0250	5.00		103	70-130	2.15	20	
p,m-Xylene	10.6	0.0500	10.0		106	70-130	2.74	20	
Total Xylenes	15.7	0.0250	15.0		105	70-130	2.54	20	
Surrogate: 4-Bromochlorobenzene-PID	6.80		8.00		85.0	70-130			



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Alley Cat 17 CTB 3 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 1/8/2025 10:27:01AM
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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 (2501031-BLK1)

Prepared: 01/03/25 Analyzed: 01/03/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.85		8.00		85.6	70-130			

LCS (2501031-BS2)

Prepared: 01/03/25 Analyzed: 01/03/25

Gasoline Range Organics (C6-C10)	40.3	20.0	50.0		80.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.93		8.00		86.6	70-130			

LCS Dup (2501031-BSD2)

Prepared: 01/03/25 Analyzed: 01/03/25

Gasoline Range Organics (C6-C10)	38.2	20.0	50.0		76.5	70-130	5.27	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.01		8.00		87.6	70-130			



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Alley Cat 17 CTB 3 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 1/8/2025 10:27:01AM
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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 (2501039-BLK1)

Prepared: 01/03/25 Analyzed: 01/03/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	55.5		50.0		111	50-200			

LCS (2501039-BS1)

Prepared: 01/03/25 Analyzed: 01/03/25

Diesel Range Organics (C10-C28)	307	25.0	250		123	38-132			
Surrogate: <i>n</i> -Nonane	56.1		50.0		112	50-200			

Matrix Spike (2501039-MS1)

Source: E501002-01

Prepared: 01/03/25 Analyzed: 01/03/25

Diesel Range Organics (C10-C28)	509	25.0	250	201	123	38-132			
Surrogate: <i>n</i> -Nonane	56.3		50.0		113	50-200			

Matrix Spike Dup (2501039-MSD1)

Source: E501002-01

Prepared: 01/03/25 Analyzed: 01/03/25

Diesel Range Organics (C10-C28)	579	25.0	250	201	151	38-132	12.9	20	M4
Surrogate: <i>n</i> -Nonane	58.3		50.0		117	50-200			



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Alley Cat 17 CTB 3 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 1/8/2025 10:27:01AM
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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 (2501048-BLK1)

Prepared: 01/04/25 Analyzed: 01/04/25

Chloride ND 20.0

LCS (2501048-BS1)

Prepared: 01/04/25 Analyzed: 01/04/25

Chloride 252 20.0 250 101 90-110

LCS Dup (2501048-BSD1)

Prepared: 01/04/25 Analyzed: 01/04/25

Chloride 253 20.0 250 101 90-110 0.545 20

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

Devon Energy - Carlsbad	Project Name:	Alley Cat 17 CTB 3	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	01/08/25 10:27

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

S5 Surrogate spike recovery exceeded acceptance limits due to interfering target and/or non-target analytes.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



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: Alley Cat 17 CTB 3				Address: 5315 Buena Vista Dr				E501007		D0580007					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				
10:42	12/31/2024	S	1	BH01 - 0'		1						X									
13:01	12/31/2024	S	1	BH01 - 6'		2						X									
11:38	12/31/2024	S	1	BH02 - 0'		3						X									
11:49	12/31/2024	S	1	BH02 - 1'		4						X									
13:48	12/31/2024	S	1	BH04 - 0'		5						X									
13:50	12/31/2024	S	1	BH04 - 1'		6						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: <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>1/2/25</u>	Time <u>8:00</u>	Received by: (Signature) <u>Michelle Gonzalez</u>	Date <u>01/02/25</u>	Time <u>0800</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 Gonzalez</u>	Date <u>1-2-25</u>	Time <u>1600</u>	Received by: (Signature) <u>L.H.</u>	Date <u>1.2.25</u>	Time <u>1700</u>						
Relinquished by: (Signature) <u>L.H.</u>	Date <u>1.2.25</u>	Time <u>2400</u>	Received by: (Signature) <u>Carla Ma</u>	Date <u>1-3-25</u>	Time <u>1630</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.



Envirotech Analytical Laboratory

Printed: 1/3/2025 8:03:22AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Devon Energy - Carlsbad	Date Received:	01/03/25 06:30	Work Order ID:	E501007
Phone:	(505) 382-1211	Date Logged In:	01/02/25 15:29	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	01/09/25 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: Alley Cat 17 CTB 3

Work Order: E501008

Job Number: 01058-0007

Received: 1/3/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
1/8/25

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: 1/8/25

Ashley Giovengo
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Alley Cat 17 CTB 3
Workorder: E501008
Date Received: 1/3/2025 6:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/3/2025 6:30:00AM, under the Project Name: Alley Cat 17 CTB 3.

The analytical test results summarized in this report with the Project Name: Alley Cat 17 CTB 3 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
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mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Alley Cat 17 CTB 3 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 01/08/25 07:41
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH03-0'	E501008-01A	Soil	12/31/24	01/03/25	Glass Jar, 2 oz.
BH03-2'	E501008-02A	Soil	12/31/24	01/03/25	Glass Jar, 2 oz.
BH03-4'	E501008-03A	Soil	12/31/24	01/03/25	Glass Jar, 2 oz.
BH03-6'	E501008-04A	Soil	12/31/24	01/03/25	Glass Jar, 2 oz.
BH03-8'	E501008-05A	Soil	12/31/24	01/03/25	Glass Jar, 2 oz.



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Alley Cat 17 CTB 3 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 1/8/2025 7:41:57AM
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BH03-0'
E501008-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2501033
Benzene	0.749	0.0500	2	01/03/25	01/04/25	
Ethylbenzene	14.0	0.0500	2	01/03/25	01/04/25	
Toluene	23.8	0.0500	2	01/03/25	01/04/25	
o-Xylene	16.7	0.0500	2	01/03/25	01/04/25	
p,m-Xylene	44.9	0.100	2	01/03/25	01/04/25	
Total Xylenes	61.6	0.0500	2	01/03/25	01/04/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		106 %	70-130	01/03/25	01/04/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2501033
Gasoline Range Organics (C6-C10)	631	40.0	2	01/03/25	01/04/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		126 %	70-130	01/03/25	01/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2501039
Diesel Range Organics (C10-C28)	19900	250	10	01/03/25	01/07/25	
Oil Range Organics (C28-C36)	7210	500	10	01/03/25	01/07/25	
<i>Surrogate: n-Nonane</i>						
		499 %	50-200	01/03/25	01/07/25	S5
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2501048
Chloride	6900	100	5	01/04/25	01/04/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Alley Cat 17 CTB 3 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 1/8/2025 7:41:57AM
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BH03-2'

E501008-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2501033
Benzene	ND	0.0250	1	01/03/25	01/05/25	
Ethylbenzene	ND	0.0250	1	01/03/25	01/05/25	
Toluene	ND	0.0250	1	01/03/25	01/05/25	
o-Xylene	ND	0.0250	1	01/03/25	01/05/25	
p,m-Xylene	ND	0.0500	1	01/03/25	01/05/25	
Total Xylenes	ND	0.0250	1	01/03/25	01/05/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		91.3 %	70-130	01/03/25	01/05/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2501033
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/03/25	01/05/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.7 %	70-130	01/03/25	01/05/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2501039
Diesel Range Organics (C10-C28)	ND	25.0	1	01/03/25	01/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/03/25	01/07/25	
<i>Surrogate: n-Nonane</i>		130 %	50-200	01/03/25	01/07/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2501048
Chloride	1470	20.0	1	01/04/25	01/04/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Alley Cat 17 CTB 3 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 1/8/2025 7:41:57AM
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BH03-4'

E501008-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2501033
Benzene	ND	0.0250	1	01/03/25	01/05/25	
Ethylbenzene	ND	0.0250	1	01/03/25	01/05/25	
Toluene	ND	0.0250	1	01/03/25	01/05/25	
o-Xylene	ND	0.0250	1	01/03/25	01/05/25	
p,m-Xylene	ND	0.0500	1	01/03/25	01/05/25	
Total Xylenes	ND	0.0250	1	01/03/25	01/05/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		90.3 %	70-130	01/03/25	01/05/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2501033
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/03/25	01/05/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.4 %	70-130	01/03/25	01/05/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: AF		Batch: 2501039
Diesel Range Organics (C10-C28)	113	25.0	1	01/03/25	01/04/25	
Oil Range Organics (C28-C36)	99.2	50.0	1	01/03/25	01/04/25	
<i>Surrogate: n-Nonane</i>		114 %	50-200	01/03/25	01/04/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2501048
Chloride	894	20.0	1	01/04/25	01/04/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Alley Cat 17 CTB 3 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 1/8/2025 7:41:57AM
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BH03-6'

E501008-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2501033
Benzene	ND	0.0250	1	01/03/25	01/04/25	
Ethylbenzene	ND	0.0250	1	01/03/25	01/04/25	
Toluene	ND	0.0250	1	01/03/25	01/04/25	
o-Xylene	ND	0.0250	1	01/03/25	01/04/25	
p,m-Xylene	ND	0.0500	1	01/03/25	01/04/25	
Total Xylenes	ND	0.0250	1	01/03/25	01/04/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		92.7 %	70-130	01/03/25	01/04/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2501033
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/03/25	01/04/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.0 %	70-130	01/03/25	01/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: AF		Batch: 2501039
Diesel Range Organics (C10-C28)	82.6	25.0	1	01/03/25	01/04/25	
Oil Range Organics (C28-C36)	68.2	50.0	1	01/03/25	01/04/25	
<i>Surrogate: n-Nonane</i>		117 %	50-200	01/03/25	01/04/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2501048
Chloride	946	20.0	1	01/04/25	01/04/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Alley Cat 17 CTB 3 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 1/8/2025 7:41:57AM
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BH03-8'

E501008-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2501033
Benzene	ND	0.0250	1	01/03/25	01/04/25	
Ethylbenzene	ND	0.0250	1	01/03/25	01/04/25	
Toluene	ND	0.0250	1	01/03/25	01/04/25	
o-Xylene	ND	0.0250	1	01/03/25	01/04/25	
p,m-Xylene	ND	0.0500	1	01/03/25	01/04/25	
Total Xylenes	ND	0.0250	1	01/03/25	01/04/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		93.0 %	70-130	01/03/25	01/04/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2501033
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/03/25	01/04/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.7 %	70-130	01/03/25	01/04/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: AF		Batch: 2501039
Diesel Range Organics (C10-C28)	35.5	25.0	1	01/03/25	01/04/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/03/25	01/04/25	
<i>Surrogate: n-Nonane</i>		113 %	50-200	01/03/25	01/04/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2501048
Chloride	1380	20.0	1	01/04/25	01/04/25	



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Alley Cat 17 CTB 3 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 1/8/2025 7:41:57AM
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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 (2501033-BLK1)

Prepared: 01/03/25 Analyzed: 01/04/25

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	7.28		8.00		91.0	70-130			

LCS (2501033-BS1)

Prepared: 01/03/25 Analyzed: 01/04/25

Benzene	4.91	0.0250	5.00		98.2	70-130			
Ethylbenzene	4.91	0.0250	5.00		98.2	70-130			
Toluene	4.99	0.0250	5.00		99.7	70-130			
o-Xylene	4.95	0.0250	5.00		98.9	70-130			
p,m-Xylene	9.95	0.0500	10.0		99.5	70-130			
Total Xylenes	14.9	0.0250	15.0		99.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.27		8.00		90.9	70-130			

LCS Dup (2501033-BSD1)

Prepared: 01/03/25 Analyzed: 01/04/25

Benzene	5.32	0.0250	5.00		106	70-130	8.12	20	
Ethylbenzene	5.31	0.0250	5.00		106	70-130	7.76	20	
Toluene	5.39	0.0250	5.00		108	70-130	7.85	20	
o-Xylene	5.33	0.0250	5.00		107	70-130	7.56	20	
p,m-Xylene	10.7	0.0500	10.0		107	70-130	7.47	20	
Total Xylenes	16.1	0.0250	15.0		107	70-130	7.50	20	
Surrogate: 4-Bromochlorobenzene-PID	7.17		8.00		89.6	70-130			



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Alley Cat 17 CTB 3 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 1/8/2025 7:41:57AM
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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 (2501033-BLK1)

Prepared: 01/03/25 Analyzed: 01/04/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.35		8.00		91.8	70-130			

LCS (2501033-BS2)

Prepared: 01/03/25 Analyzed: 01/05/25

Gasoline Range Organics (C6-C10)	40.5	20.0	50.0		81.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.37		8.00		92.1	70-130			

LCS Dup (2501033-BSD2)

Prepared: 01/03/25 Analyzed: 01/05/25

Gasoline Range Organics (C6-C10)	41.6	20.0	50.0		83.2	70-130	2.65	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.40		8.00		92.5	70-130			



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Alley Cat 17 CTB 3 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 1/8/2025 7:41:57AM
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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 (2501039-BLK1)

Prepared: 01/03/25 Analyzed: 01/03/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	55.5		50.0		111	50-200			

LCS (2501039-BS1)

Prepared: 01/03/25 Analyzed: 01/03/25

Diesel Range Organics (C10-C28)	307	25.0	250		123	38-132			
Surrogate: n-Nonane	56.1		50.0		112	50-200			

Matrix Spike (2501039-MS1)

Source: E501002-01

Prepared: 01/03/25 Analyzed: 01/03/25

Diesel Range Organics (C10-C28)	509	25.0	250	201	123	38-132			
Surrogate: n-Nonane	56.3		50.0		113	50-200			

Matrix Spike Dup (2501039-MSD1)

Source: E501002-01

Prepared: 01/03/25 Analyzed: 01/03/25

Diesel Range Organics (C10-C28)	579	25.0	250	201	151	38-132	12.9	20	M4
Surrogate: n-Nonane	58.3		50.0		117	50-200			



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Alley Cat 17 CTB 3 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 1/8/2025 7:41:57AM
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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 (2501048-BLK1)

Prepared: 01/04/25 Analyzed: 01/04/25

Chloride ND 20.0

LCS (2501048-BS1)

Prepared: 01/04/25 Analyzed: 01/04/25

Chloride 252 20.0 250 101 90-110

LCS Dup (2501048-BSD1)

Prepared: 01/04/25 Analyzed: 01/04/25

Chloride 253 20.0 250 101 90-110 0.545 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: Alley Cat 17 CTB 3 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 01/08/25 07:41
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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.
- S5 Surrogate spike recovery exceeded acceptance limits due to interfering target and/or non-target analytes.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.

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

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



W0# 21465366

Chain of Custody

Received by OCD: 5/6/2025 3:31:16 PM

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Client Information				Invoice Information				Lab Use Only				TAT				State							
Client: Devon				Company: Devon Energy				Lab WO# E501008				Job Number 01058-0007				1D 2D 3D Std				NM CO UT TX			
Project: Alley Cat 17 CTB 3				Address: 5315 Buena Vista Dr												x							
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220																			
Address: 3122 National Parks Hwy				Phone: (575)689-7597																			
City, State, Zip: Carlsbad NM, 88220				Email: jim.raley@dvn.com																			
Phone: 575-988-0055				Miscellaneous: Jim Raley																			
Email: agiovengo@ensolum.com																							

Sample Information										Analysis and Method								EPA Program			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			
11:14	12/31/2024	S	1	BH03 - 0'			1						X								
11:27	12/31/2024	S	1	BH03 - 2'			2						X								
11:32	12/31/2024	S	1	BH03 - 4'			3						X								
13:37	12/31/2024	S	1	BH03 - 6'			4						X								
14:49	12/31/2024	S	1	BH03 - 8'			5						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) <u>Oluwale Aderinto</u>						Date	Time	Received by: (Signature) <u>Michelle Gonzalez</u>						Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. Lab Use Only Received on ice: <input checked="" type="radio"/> Y / <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <u>Michelle Gonzalez</u>						Date	Time	Received by: (Signature) <u>L.H.</u>						Date	Time	
Relinquished by: (Signature) <u>L.H.</u>						Date	Time	Received by: (Signature) <u>Chris Man</u>						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.

Released to Imaging: 5/13/2025 11:47:18 AM

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Envirotech Analytical Laboratory

Printed: 1/3/2025 8:05:27AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Devon Energy - Carlsbad	Date Received:	01/03/25 06:30	Work Order ID:	E501008
Phone:	(505) 382-1211	Date Logged In:	01/02/25 15:32	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	01/09/25 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: Alley Cat 17 CTB 3

Work Order: E502028

Job Number: 01058-0007

Received: 2/5/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/11/25

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 2/11/25



Ashley Giovengo
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Alley Cat 17 CTB 3
Workorder: E502028
Date Received: 2/5/2025 7:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/5/2025 7:30:00AM, under the Project Name: Alley Cat 17 CTB 3.

The analytical test results summarized in this report with the Project Name: Alley Cat 17 CTB 3 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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Sample Summary

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Alley Cat 17 CTB 3 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 02/11/25 08:52
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS08-0'	E502028-01A	Soil	02/03/25	02/05/25	Glass Jar, 2 oz.
SS09-0'	E502028-02A	Soil	02/03/25	02/05/25	Glass Jar, 2 oz.
SS10-0'	E502028-03A	Soil	02/03/25	02/05/25	Glass Jar, 2 oz.
SS11-0'	E502028-04A	Soil	02/03/25	02/05/25	Glass Jar, 2 oz.
SS12-0'	E502028-05A	Soil	02/03/25	02/05/25	Glass Jar, 2 oz.
SS13-0'	E502028-06A	Soil	02/03/25	02/05/25	Glass Jar, 2 oz.



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Alley Cat 17 CTB 3 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 2/11/2025 8:52:56AM
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SS08-0'

E502028-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: SL		Batch: 2506049
Benzene	ND	0.0250	1	02/05/25	02/07/25	
Ethylbenzene	ND	0.0250	1	02/05/25	02/07/25	
Toluene	ND	0.0250	1	02/05/25	02/07/25	
o-Xylene	ND	0.0250	1	02/05/25	02/07/25	
p,m-Xylene	ND	0.0500	1	02/05/25	02/07/25	
Total Xylenes	ND	0.0250	1	02/05/25	02/07/25	
<i>Surrogate: Bromofluorobenzene</i>		97.9 %	70-130	02/05/25	02/07/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.7 %	70-130	02/05/25	02/07/25	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	02/05/25	02/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2506049
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/05/25	02/07/25	
<i>Surrogate: Bromofluorobenzene</i>		97.9 %	70-130	02/05/25	02/07/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.7 %	70-130	02/05/25	02/07/25	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	02/05/25	02/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2506048
Diesel Range Organics (C10-C28)	ND	25.0	1	02/05/25	02/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/05/25	02/05/25	
<i>Surrogate: n-Nonane</i>		105 %	61-141	02/05/25	02/05/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: AK		Batch: 2506056
Chloride	107	20.0	1	02/05/25	02/05/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Alley Cat 17 CTB 3 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 2/11/2025 8:52:56AM
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SS09-0'

E502028-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: SL		Batch: 2506049
Benzene	ND	0.0250	1	02/05/25	02/07/25	
Ethylbenzene	ND	0.0250	1	02/05/25	02/07/25	
Toluene	ND	0.0250	1	02/05/25	02/07/25	
o-Xylene	ND	0.0250	1	02/05/25	02/07/25	
p,m-Xylene	ND	0.0500	1	02/05/25	02/07/25	
Total Xylenes	ND	0.0250	1	02/05/25	02/07/25	
<i>Surrogate: Bromofluorobenzene</i>		100 %	70-130	02/05/25	02/07/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	02/05/25	02/07/25	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	02/05/25	02/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2506049
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/05/25	02/07/25	
<i>Surrogate: Bromofluorobenzene</i>		100 %	70-130	02/05/25	02/07/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	02/05/25	02/07/25	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	02/05/25	02/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2506048
Diesel Range Organics (C10-C28)	ND	25.0	1	02/05/25	02/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/05/25	02/05/25	
<i>Surrogate: n-Nonane</i>		104 %	61-141	02/05/25	02/05/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: AK		Batch: 2506056
Chloride	82.0	20.0	1	02/05/25	02/05/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Alley Cat 17 CTB 3 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 2/11/2025 8:52:56AM
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SS10-0'

E502028-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: SL		Batch: 2506049
Benzene	ND	0.0250	1	02/05/25	02/07/25	
Ethylbenzene	ND	0.0250	1	02/05/25	02/07/25	
Toluene	ND	0.0250	1	02/05/25	02/07/25	
o-Xylene	ND	0.0250	1	02/05/25	02/07/25	
p,m-Xylene	ND	0.0500	1	02/05/25	02/07/25	
Total Xylenes	ND	0.0250	1	02/05/25	02/07/25	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	02/05/25	02/07/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.7 %	70-130	02/05/25	02/07/25	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	02/05/25	02/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2506049
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/05/25	02/07/25	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	02/05/25	02/07/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.7 %	70-130	02/05/25	02/07/25	
<i>Surrogate: Toluene-d8</i>		102 %	70-130	02/05/25	02/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2506048
Diesel Range Organics (C10-C28)	ND	25.0	1	02/05/25	02/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/05/25	02/05/25	
<i>Surrogate: n-Nonane</i>		92.1 %	61-141	02/05/25	02/05/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: AK		Batch: 2506056
Chloride	112	20.0	1	02/05/25	02/05/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Alley Cat 17 CTB 3 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 2/11/2025 8:52:56AM
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SS11-0'

E502028-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: SL		Batch: 2506049
Benzene	ND	0.0250	1	02/05/25	02/07/25	
Ethylbenzene	ND	0.0250	1	02/05/25	02/07/25	
Toluene	ND	0.0250	1	02/05/25	02/07/25	
o-Xylene	ND	0.0250	1	02/05/25	02/07/25	
p,m-Xylene	ND	0.0500	1	02/05/25	02/07/25	
Total Xylenes	ND	0.0250	1	02/05/25	02/07/25	
<i>Surrogate: Bromofluorobenzene</i>		99.7 %	70-130	02/05/25	02/07/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %	70-130	02/05/25	02/07/25	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	02/05/25	02/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2506049
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/05/25	02/07/25	
<i>Surrogate: Bromofluorobenzene</i>		99.7 %	70-130	02/05/25	02/07/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %	70-130	02/05/25	02/07/25	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	02/05/25	02/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2506048
Diesel Range Organics (C10-C28)	ND	25.0	1	02/05/25	02/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/05/25	02/05/25	
<i>Surrogate: n-Nonane</i>		107 %	61-141	02/05/25	02/05/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: AK		Batch: 2506056
Chloride	236	20.0	1	02/05/25	02/05/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Alley Cat 17 CTB 3 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 2/11/2025 8:52:56AM
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SS12-0'

E502028-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: SL		Batch: 2506049
Benzene	ND	0.0250	1	02/05/25	02/07/25	
Ethylbenzene	ND	0.0250	1	02/05/25	02/07/25	
Toluene	ND	0.0250	1	02/05/25	02/07/25	
o-Xylene	ND	0.0250	1	02/05/25	02/07/25	
p,m-Xylene	ND	0.0500	1	02/05/25	02/07/25	
Total Xylenes	ND	0.0250	1	02/05/25	02/07/25	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	02/05/25	02/07/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	02/05/25	02/07/25	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	02/05/25	02/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2506049
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/05/25	02/07/25	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	02/05/25	02/07/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	02/05/25	02/07/25	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	02/05/25	02/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2506048
Diesel Range Organics (C10-C28)	ND	25.0	1	02/05/25	02/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/05/25	02/05/25	
<i>Surrogate: n-Nonane</i>		103 %	61-141	02/05/25	02/05/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: AK		Batch: 2506056
Chloride	1040	20.0	1	02/05/25	02/05/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Alley Cat 17 CTB 3 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 2/11/2025 8:52:56AM
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SS13-0'

E502028-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: SL		Batch: 2506049
Benzene	ND	0.0250	1	02/05/25	02/07/25	
Ethylbenzene	ND	0.0250	1	02/05/25	02/07/25	
Toluene	ND	0.0250	1	02/05/25	02/07/25	
o-Xylene	ND	0.0250	1	02/05/25	02/07/25	
p,m-Xylene	ND	0.0500	1	02/05/25	02/07/25	
Total Xylenes	ND	0.0250	1	02/05/25	02/07/25	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	02/05/25	02/07/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %	70-130	02/05/25	02/07/25	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	02/05/25	02/07/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2506049
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/05/25	02/07/25	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	02/05/25	02/07/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %	70-130	02/05/25	02/07/25	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	02/05/25	02/07/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2506048
Diesel Range Organics (C10-C28)	ND	25.0	1	02/05/25	02/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/05/25	02/05/25	
<i>Surrogate: n-Nonane</i>		107 %	61-141	02/05/25	02/05/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: AK		Batch: 2506056
Chloride	113	20.0	1	02/05/25	02/05/25	



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Alley Cat 17 CTB 3 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 2/11/2025 8:52:56AM
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Volatile Organic Compounds by EPA 8260B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2506049-BLK1)

Prepared: 02/05/25 Analyzed: 02/07/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.508		0.500		102		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.498		0.500		99.6		70-130		
Surrogate: Toluene-d8	0.521		0.500		104		70-130		

LCS (2506049-BS1)

Prepared: 02/05/25 Analyzed: 02/07/25

Benzene	2.15	0.0250	2.50		86.0		70-130		
Ethylbenzene	2.24	0.0250	2.50		89.4		70-130		
Toluene	2.31	0.0250	2.50		92.6		70-130		
o-Xylene	2.25	0.0250	2.50		89.8		70-130		
p,m-Xylene	4.71	0.0500	5.00		94.1		70-130		
Total Xylenes	6.95	0.0250	7.50		92.7		70-130		
Surrogate: Bromofluorobenzene	0.502		0.500		100		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.486		0.500		97.2		70-130		
Surrogate: Toluene-d8	0.523		0.500		105		70-130		

Matrix Spike (2506049-MS1)

Source: E502028-05

Prepared: 02/05/25 Analyzed: 02/07/25

Benzene	2.22	0.0250	2.50	ND	88.9		48-131		
Ethylbenzene	2.37	0.0250	2.50	ND	94.9		45-135		
Toluene	2.46	0.0250	2.50	ND	98.2		48-130		
o-Xylene	2.33	0.0250	2.50	ND	93.0		43-135		
p,m-Xylene	4.89	0.0500	5.00	ND	97.8		43-135		
Total Xylenes	7.22	0.0250	7.50	ND	96.2		43-135		
Surrogate: Bromofluorobenzene	0.494		0.500		98.7		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.485		0.500		96.9		70-130		
Surrogate: Toluene-d8	0.522		0.500		104		70-130		

Matrix Spike Dup (2506049-MSD1)

Source: E502028-05

Prepared: 02/05/25 Analyzed: 02/07/25

Benzene	2.10	0.0250	2.50	ND	84.1		48-131	5.57	23
Ethylbenzene	2.22	0.0250	2.50	ND	88.6		45-135	6.87	27
Toluene	2.27	0.0250	2.50	ND	90.9		48-130	7.76	24
o-Xylene	2.24	0.0250	2.50	ND	89.4		43-135	3.90	27
p,m-Xylene	4.69	0.0500	5.00	ND	93.9		43-135	4.13	27
Total Xylenes	6.93	0.0250	7.50	ND	92.4		43-135	4.06	27
Surrogate: Bromofluorobenzene	0.500		0.500		100		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.492		0.500		98.3		70-130		
Surrogate: Toluene-d8	0.516		0.500		103		70-130		



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Alley Cat 17 CTB 3 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 2/11/2025 8:52:56AM
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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 (2506049-BLK1)

Prepared: 02/05/25 Analyzed: 02/07/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.508		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.498		0.500		99.6	70-130			
Surrogate: Toluene-d8	0.521		0.500		104	70-130			

LCS (2506049-BS2)

Prepared: 02/05/25 Analyzed: 02/07/25

Gasoline Range Organics (C6-C10)	48.0	20.0	50.0		96.1	70-130			
Surrogate: Bromofluorobenzene	0.512		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.483		0.500		96.5	70-130			
Surrogate: Toluene-d8	0.538		0.500		108	70-130			

Matrix Spike (2506049-MS2)

Source: E502028-05

Prepared: 02/05/25 Analyzed: 02/07/25

Gasoline Range Organics (C6-C10)	50.5	20.0	50.0	ND	101	70-130			
Surrogate: Bromofluorobenzene	0.521		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.491		0.500		98.1	70-130			
Surrogate: Toluene-d8	0.536		0.500		107	70-130			

Matrix Spike Dup (2506049-MSD2)

Source: E502028-05

Prepared: 02/05/25 Analyzed: 02/07/25

Gasoline Range Organics (C6-C10)	53.4	20.0	50.0	ND	107	70-130	5.71	20	
Surrogate: Bromofluorobenzene	0.518		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.500		0.500		99.9	70-130			
Surrogate: Toluene-d8	0.535		0.500		107	70-130			



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Alley Cat 17 CTB 3 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 2/11/2025 8:52:56AM
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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 (2506048-BLK1)

Prepared: 02/05/25 Analyzed: 02/05/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	53.4		50.0		107	61-141			

LCS (2506048-BS1)

Prepared: 02/05/25 Analyzed: 02/05/25

Diesel Range Organics (C10-C28)	269	25.0	250		108	66-144			
Surrogate: <i>n</i> -Nonane	53.8		50.0		108	61-141			

Matrix Spike (2506048-MS1)

Source: E502027-05

Prepared: 02/05/25 Analyzed: 02/05/25

Diesel Range Organics (C10-C28)	300	25.0	250	ND	120	56-156			
Surrogate: <i>n</i> -Nonane	57.1		50.0		114	61-141			

Matrix Spike Dup (2506048-MSD1)

Source: E502027-05

Prepared: 02/05/25 Analyzed: 02/05/25

Diesel Range Organics (C10-C28)	291	25.0	250	ND	116	56-156	3.37	20	
Surrogate: <i>n</i> -Nonane	62.8		50.0		126	61-141			



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Alley Cat 17 CTB 3 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 2/11/2025 8:52:56AM
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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 (2506056-BLK1)

Prepared: 02/05/25 Analyzed: 02/05/25

Chloride ND 20.0

LCS (2506056-BS1)

Prepared: 02/05/25 Analyzed: 02/05/25

Chloride 254 20.0 250 101 90-110

Matrix Spike (2506056-MS1)

Source: E502028-04

Prepared: 02/05/25 Analyzed: 02/05/25

Chloride 460 20.0 250 236 89.5 80-120

Matrix Spike Dup (2506056-MSD1)

Source: E502028-04

Prepared: 02/05/25 Analyzed: 02/05/25

Chloride 472 20.0 250 236 94.3 80-120 2.58 20

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

Devon Energy - Carlsbad	Project Name:	Alley Cat 17 CTB 3	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	02/11/25 08:52

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



Chain of Custody

Client Information				Invoice Information				Lab Use Only				TAT				State			
Client: Devon				Company: Devon Energy				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX
Project: Alley Cat 17 CTB 3				Address: 5315 Buena Vista Dr				E 502028		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				
9:24	2/3/2025	S	1	SS08 - 0'		1						X									
9:27	2/3/2025	S	1	SS09 - 0'		2						X									
9:18	2/3/2025	S	1	SS10 - 0'		3						X									
10:20	2/3/2025	S	1	SS11 - 0'		4						X									
11:01	2/3/2025	S	1	SS12 - 0'		5						X									
11:22	2/3/2025	S	1	SS13 - 0'		6						X									

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@dvn.com, iestrella@ensolum.com, chamilton@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						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>Oluwale Aderinto</i>	Date 2/4/25	Time 08:05	Received by: (Signature) <i>Michelle Gonzales</i>	Date 2-4-25	Time 0805	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 2-4-25	Time 1530	Received by: (Signature) <i>John M.</i>	Date 2.4.25	Time 1615						
Relinquished by: (Signature) <i>John M.</i>	Date 2.4.25	Time 2200	Received by: (Signature) <i>Michelle Gonzales</i>	Date 2-5-25	Time 730						
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: 2/5/2025 8:24:55AM

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: 02/05/25 07:30 Work Order ID: E502028
Phone: (505) 382-1211 Date Logged In: 02/04/25 14:41 Logged In By: Caitlin Mars
Email: agiovengo@ensolum.com Due Date: 02/11/25 17:00 (4 day TAT)

Chain of Custody (COC)

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

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: Alley Cat 17 CTB 3

Work Order: E502090

Job Number: 01058-0007

Received: 2/12/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/18/25

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: 2/18/25



Ashley Giovengo
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Alley Cat 17 CTB 3
Workorder: E502090
Date Received: 2/12/2025 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/12/2025 8:00:00AM, under the Project Name: Alley Cat 17 CTB 3.

The analytical test results summarized in this report with the Project Name: Alley Cat 17 CTB 3 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

Raina Schwanz
Laboratory Administrator
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Sample Summary

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Alley Cat 17 CTB 3 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 02/18/25 08:24
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH03-10'	E502090-01A	Soil	02/11/25	02/12/25	Glass Jar, 2 oz.
BH03-12'	E502090-02A	Soil	02/11/25	02/12/25	Glass Jar, 2 oz.
BH03-13'	E502090-03A	Soil	02/11/25	02/12/25	Glass Jar, 2 oz.
BH03-14'	E502090-04A	Soil	02/11/25	02/12/25	Glass Jar, 2 oz.



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Alley Cat 17 CTB 3 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 2/18/2025 8:24:08AM
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BH03-10'
E502090-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B		mg/kg	mg/kg	Analyst: SL		Batch: 2507061
Benzene	ND	0.0250	1	02/12/25	02/12/25	
Ethylbenzene	ND	0.0250	1	02/12/25	02/12/25	
Toluene	ND	0.0250	1	02/12/25	02/12/25	
o-Xylene	ND	0.0250	1	02/12/25	02/12/25	
p,m-Xylene	ND	0.0500	1	02/12/25	02/12/25	
Total Xylenes	ND	0.0250	1	02/12/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	02/12/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	70-130	02/12/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	02/12/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: SL		Batch: 2507061
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/12/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	02/12/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	70-130	02/12/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	02/12/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: KH		Batch: 2507066
Diesel Range Organics (C10-C28)	ND	25.0	1	02/12/25	02/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/12/25	02/12/25	
<i>Surrogate: n-Nonane</i>		109 %	61-141	02/12/25	02/12/25	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: AK		Batch: 2507067
Chloride	433	20.0	1	02/12/25	02/12/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Alley Cat 17 CTB 3 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 2/18/2025 8:24:08AM
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BH03-12'

E502090-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: SL		Batch: 2507061
Benzene	ND	0.0250	1	02/12/25	02/12/25	
Ethylbenzene	ND	0.0250	1	02/12/25	02/12/25	
Toluene	ND	0.0250	1	02/12/25	02/12/25	
o-Xylene	ND	0.0250	1	02/12/25	02/12/25	
p,m-Xylene	ND	0.0500	1	02/12/25	02/12/25	
Total Xylenes	ND	0.0250	1	02/12/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	02/12/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.8 %	70-130	02/12/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	02/12/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2507061
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/12/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	02/12/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.8 %	70-130	02/12/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	02/12/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2507066
Diesel Range Organics (C10-C28)	ND	25.0	1	02/12/25	02/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/12/25	02/12/25	
<i>Surrogate: n-Nonane</i>		122 %	61-141	02/12/25	02/12/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: AK		Batch: 2507067
Chloride	465	20.0	1	02/12/25	02/12/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Alley Cat 17 CTB 3 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 2/18/2025 8:24:08AM
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BH03-13'

E502090-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B		mg/kg	mg/kg	Analyst: SL		Batch: 2507061
Benzene	ND	0.0250	1	02/12/25	02/12/25	
Ethylbenzene	ND	0.0250	1	02/12/25	02/12/25	
Toluene	ND	0.0250	1	02/12/25	02/12/25	
o-Xylene	ND	0.0250	1	02/12/25	02/12/25	
p,m-Xylene	ND	0.0500	1	02/12/25	02/12/25	
Total Xylenes	ND	0.0250	1	02/12/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	02/12/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.5 %	70-130	02/12/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	02/12/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: SL		Batch: 2507061
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/12/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	02/12/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.5 %	70-130	02/12/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	02/12/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: KH		Batch: 2507066
Diesel Range Organics (C10-C28)	ND	25.0	1	02/12/25	02/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/12/25	02/12/25	
<i>Surrogate: n-Nonane</i>		123 %	61-141	02/12/25	02/12/25	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: AK		Batch: 2507067
Chloride	215	20.0	1	02/12/25	02/12/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Alley Cat 17 CTB 3 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 2/18/2025 8:24:08AM
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BH03-14'

E502090-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2507061
Benzene	ND	0.0250	1	02/12/25	02/12/25	
Ethylbenzene	ND	0.0250	1	02/12/25	02/12/25	
Toluene	ND	0.0250	1	02/12/25	02/12/25	
o-Xylene	ND	0.0250	1	02/12/25	02/12/25	
p,m-Xylene	ND	0.0500	1	02/12/25	02/12/25	
Total Xylenes	ND	0.0250	1	02/12/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	02/12/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %	70-130	02/12/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	02/12/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2507061
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/12/25	02/12/25	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	02/12/25	02/12/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %	70-130	02/12/25	02/12/25	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	02/12/25	02/12/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2507066
Diesel Range Organics (C10-C28)	ND	25.0	1	02/12/25	02/12/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/12/25	02/12/25	
<i>Surrogate: n-Nonane</i>		114 %	61-141	02/12/25	02/12/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2507067
Chloride	35.0	20.0	1	02/12/25	02/12/25	



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Alley Cat 17 CTB 3 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 2/18/2025 8:24:08AM
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Volatile Organic Compounds by EPA 8260B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2507061-BLK1)

Prepared: 02/12/25 Analyzed: 02/12/25

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	0.519		0.500		104		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.503		0.500		101		70-130		
Surrogate: Toluene-d8	0.522		0.500		104		70-130		

LCS (2507061-BS1)

Prepared: 02/12/25 Analyzed: 02/12/25

Benzene	2.09	0.0250	2.50		83.7		70-130		
Ethylbenzene	2.19	0.0250	2.50		87.6		70-130		
Toluene	2.29	0.0250	2.50		91.5		70-130		
o-Xylene	2.17	0.0250	2.50		86.8		70-130		
p,m-Xylene	4.52	0.0500	5.00		90.3		70-130		
Total Xylenes	6.69	0.0250	7.50		89.2		70-130		
Surrogate: Bromofluorobenzene	0.499		0.500		99.7		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.508		0.500		102		70-130		
Surrogate: Toluene-d8	0.518		0.500		104		70-130		

Matrix Spike (2507061-MS1)

Source: E502087-05

Prepared: 02/12/25 Analyzed: 02/12/25

Benzene	2.23	0.0250	2.50	ND	89.2		48-131		
Ethylbenzene	2.36	0.0250	2.50	ND	94.5		45-135		
Toluene	2.45	0.0250	2.50	ND	97.9		48-130		
o-Xylene	2.38	0.0250	2.50	ND	95.1		43-135		
p,m-Xylene	4.96	0.0500	5.00	ND	99.1		43-135		
Total Xylenes	7.34	0.0250	7.50	ND	97.8		43-135		
Surrogate: Bromofluorobenzene	0.505		0.500		101		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.499		0.500		99.8		70-130		
Surrogate: Toluene-d8	0.514		0.500		103		70-130		

Matrix Spike Dup (2507061-MSD1)

Source: E502087-05

Prepared: 02/12/25 Analyzed: 02/12/25

Benzene	2.21	0.0250	2.50	ND	88.5	48-131	0.698	23	
Ethylbenzene	2.37	0.0250	2.50	ND	95.0	45-135	0.507	27	
Toluene	2.45	0.0250	2.50	ND	97.8	48-130	0.0409	24	
o-Xylene	2.41	0.0250	2.50	ND	96.5	43-135	1.42	27	
p,m-Xylene	4.99	0.0500	5.00	ND	99.7	43-135	0.603	27	
Total Xylenes	7.40	0.0250	7.50	ND	98.7	43-135	0.869	27	
Surrogate: Bromofluorobenzene	0.512		0.500		102		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.509		0.500		102		70-130		
Surrogate: Toluene-d8	0.510		0.500		102		70-130		



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Alley Cat 17 CTB 3 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 2/18/2025 8:24:08AM
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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 (2507061-BLK1)

Prepared: 02/12/25 Analyzed: 02/12/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.519		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.503		0.500		101	70-130			
Surrogate: Toluene-d8	0.522		0.500		104	70-130			

LCS (2507061-BS2)

Prepared: 02/12/25 Analyzed: 02/12/25

Gasoline Range Organics (C6-C10)	54.9	20.0	50.0		110	70-130			
Surrogate: Bromofluorobenzene	0.524		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.496		0.500		99.1	70-130			
Surrogate: Toluene-d8	0.527		0.500		105	70-130			

Matrix Spike (2507061-MS2)

Source: E502087-05

Prepared: 02/12/25 Analyzed: 02/12/25

Gasoline Range Organics (C6-C10)	57.6	20.0	50.0	ND	115	70-130			
Surrogate: Bromofluorobenzene	0.525		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.489		0.500		97.8	70-130			
Surrogate: Toluene-d8	0.520		0.500		104	70-130			

Matrix Spike Dup (2507061-MSD2)

Source: E502087-05

Prepared: 02/12/25 Analyzed: 02/12/25

Gasoline Range Organics (C6-C10)	56.0	20.0	50.0	ND	112	70-130	2.76	20	
Surrogate: Bromofluorobenzene	0.523		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.502		0.500		100	70-130			
Surrogate: Toluene-d8	0.521		0.500		104	70-130			



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Alley Cat 17 CTB 3 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 2/18/2025 8:24:08AM
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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 (2507066-BLK1)

Prepared: 02/12/25 Analyzed: 02/12/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	56.4		50.0		113	61-141			

LCS (2507066-BS1)

Prepared: 02/12/25 Analyzed: 02/12/25

Diesel Range Organics (C10-C28)	249	25.0	250		99.7	66-144			
Surrogate: <i>n</i> -Nonane	53.4		50.0		107	61-141			

Matrix Spike (2507066-MS1)

Source: E502092-24

Prepared: 02/12/25 Analyzed: 02/12/25

Diesel Range Organics (C10-C28)	664	25.0	250	375	115	56-156			
Surrogate: <i>n</i> -Nonane	55.7		50.0		111	61-141			

Matrix Spike Dup (2507066-MSD1)

Source: E502092-24

Prepared: 02/12/25 Analyzed: 02/13/25

Diesel Range Organics (C10-C28)	2520	25.0	250	375	860	56-156	117	20	M4
Surrogate: <i>n</i> -Nonane	58.3		50.0		117	61-141			



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Alley Cat 17 CTB 3 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 2/18/2025 8:24:08AM
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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 (2507067-BLK1)

Prepared: 02/12/25 Analyzed: 02/12/25

Chloride	ND	20.0							
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LCS (2507067-BS1)

Prepared: 02/12/25 Analyzed: 02/12/25

Chloride	256	20.0	250		102	90-110			
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Matrix Spike (2507067-MS1)

Source: E502087-03

Prepared: 02/12/25 Analyzed: 02/12/25

Chloride	355	20.0	250	97.2	103	80-120			
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Matrix Spike Dup (2507067-MSD1)

Source: E502087-03

Prepared: 02/12/25 Analyzed: 02/12/25

Chloride	359	20.0	250	97.2	105	80-120	1.20	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: Alley Cat 17 CTB 3 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 02/18/25 08:24
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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.



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: Alley Cat 17 CTB 3				Address: 5315 Buena Vista Dr				E502090		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				
10:58	2/11/2025	S	1	BH03 - 10'		1						X									
11:20	2/11/2025	S	1	BH03 - 12'		2						X									
11:28	2/11/2025	S	1	BH03 - 13'		3						X									
11:34	2/11/2025	S	1	BH03 - 14'		4						X									

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

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

Sampled by: Cole Burton						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>Cole Burton</i>	Date 2/11/25	Time 13:15	Received by: (Signature) <i>Maria Gomez</i>	Date 2-11-25	Time 1315	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>Maria Gomez</i>	Date 2-11-25	Time 1700	Received by: (Signature) <i>John H.</i>	Date 2-11-25	Time 1715						
Relinquished by: (Signature) <i>John H.</i>	Date 2-11-25	Time 2300	Received by: (Signature) <i>Caitlin Man</i>	Date 2-2-25	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.

Released to Imaging: 5/13/2025 11:47:18 AM

Received by: OCD: 5/6/2025 3:31:16 PM

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Envirotech Analytical Laboratory

Printed: 2/12/2025 8:40:04AM

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:	02/12/25 08:00	Work Order ID:	E502090
Phone:	(505) 382-1211	Date Logged In:	02/11/25 15:18	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	02/18/25 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: Alley Cat 17 CTB 3

Work Order: E503098

Job Number: 01058-0007

Received: 3/14/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
3/18/25

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: 3/18/25



Ashley Giovengo
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Alley Cat 17 CTB 3
Workorder: E503098
Date Received: 3/14/2025 4:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/14/2025 4:30:00AM, under the Project Name: Alley Cat 17 CTB 3.

The analytical test results summarized in this report with the Project Name: Alley Cat 17 CTB 3 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

Raina Schwanz
Laboratory Administrator
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mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Alley Cat 17 CTB 3 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 03/18/25 11:15
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS01-1'	E503098-01A	Soil	03/12/25	03/14/25	Glass Jar, 2 oz.
FS02-1'	E503098-02A	Soil	03/12/25	03/14/25	Glass Jar, 2 oz.
FS05-1'	E503098-03A	Soil	03/12/25	03/14/25	Glass Jar, 2 oz.



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Alley Cat 17 CTB 3 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 3/18/2025 11:15:37AM
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FS01-1'

E503098-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL		Batch: 2511072	
Benzene	ND	0.0250	1	03/14/25	03/15/25	
Ethylbenzene	ND	0.0250	1	03/14/25	03/15/25	
Toluene	ND	0.0250	1	03/14/25	03/15/25	
o-Xylene	ND	0.0250	1	03/14/25	03/15/25	
p,m-Xylene	ND	0.0500	1	03/14/25	03/15/25	
Total Xylenes	ND	0.0250	1	03/14/25	03/15/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		77.4 %	70-130	03/14/25	03/15/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL		Batch: 2511072	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/14/25	03/15/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		98.9 %	70-130	03/14/25	03/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH		Batch: 2511077	
Diesel Range Organics (C10-C28)	321	25.0	1	03/14/25	03/15/25	
Oil Range Organics (C28-C36)	267	50.0	1	03/14/25	03/15/25	
<i>Surrogate: n-Nonane</i>						
		99.0 %	61-141	03/14/25	03/15/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: AK		Batch: 2511071	
Chloride	1130	20.0	1	03/14/25	03/14/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Alley Cat 17 CTB 3 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 3/18/2025 11:15:37AM
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FS02-1'

E503098-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2511072
Benzene	ND	0.0250	1	03/14/25	03/15/25	
Ethylbenzene	ND	0.0250	1	03/14/25	03/15/25	
Toluene	ND	0.0250	1	03/14/25	03/15/25	
o-Xylene	ND	0.0250	1	03/14/25	03/15/25	
p,m-Xylene	ND	0.0500	1	03/14/25	03/15/25	
Total Xylenes	ND	0.0250	1	03/14/25	03/15/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		73.8 %	70-130	03/14/25	03/15/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2511072
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/14/25	03/15/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.4 %	70-130	03/14/25	03/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2511077
Diesel Range Organics (C10-C28)	632	25.0	1	03/14/25	03/15/25	
Oil Range Organics (C28-C36)	431	50.0	1	03/14/25	03/15/25	
<i>Surrogate: n-Nonane</i>		96.4 %	61-141	03/14/25	03/15/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: AK		Batch: 2511071
Chloride	3420	40.0	2	03/14/25	03/14/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Alley Cat 17 CTB 3 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 3/18/2025 11:15:37AM
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FS05-1'

E503098-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2511072
Benzene	ND	0.0250	1	03/14/25	03/15/25	
Ethylbenzene	ND	0.0250	1	03/14/25	03/15/25	
Toluene	ND	0.0250	1	03/14/25	03/15/25	
o-Xylene	ND	0.0250	1	03/14/25	03/15/25	
p,m-Xylene	ND	0.0500	1	03/14/25	03/15/25	
Total Xylenes	ND	0.0250	1	03/14/25	03/15/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		77.4 %	70-130	03/14/25	03/15/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2511072
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/14/25	03/15/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.7 %	70-130	03/14/25	03/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2511077
Diesel Range Organics (C10-C28)	ND	25.0	1	03/14/25	03/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/14/25	03/15/25	
<i>Surrogate: n-Nonane</i>						
		97.1 %	61-141	03/14/25	03/15/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2511071
Chloride	1440	40.0	2	03/14/25	03/14/25	



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Alley Cat 17 CTB 3 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 3/18/2025 11:15:37AM
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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 (2511072-BLK1)

Prepared: 03/14/25 Analyzed: 03/14/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	6.39		8.00		79.9	70-130			

LCS (2511072-BS1)

Prepared: 03/14/25 Analyzed: 03/14/25

Benzene	4.76	0.0250	5.00		95.1	70-130			
Ethylbenzene	4.53	0.0250	5.00		90.6	70-130			
Toluene	4.67	0.0250	5.00		93.4	70-130			
o-Xylene	4.53	0.0250	5.00		90.6	70-130			
p,m-Xylene	9.20	0.0500	10.0		92.0	70-130			
Total Xylenes	13.7	0.0250	15.0		91.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	6.38		8.00		79.8	70-130			

Matrix Spike (2511072-MS1)

Source: E503097-03

Prepared: 03/14/25 Analyzed: 03/15/25

Benzene	5.08	0.0250	5.00	ND	102	54-133			
Ethylbenzene	4.84	0.0250	5.00	ND	96.8	61-133			
Toluene	4.99	0.0250	5.00	ND	99.8	61-130			
o-Xylene	4.81	0.0250	5.00	ND	96.2	63-131			
p,m-Xylene	9.81	0.0500	10.0	ND	98.1	63-131			
Total Xylenes	14.6	0.0250	15.0	ND	97.5	63-131			
Surrogate: 4-Bromochlorobenzene-PID	6.31		8.00		78.9	70-130			

Matrix Spike Dup (2511072-MSD1)

Source: E503097-03

Prepared: 03/14/25 Analyzed: 03/15/25

Benzene	5.37	0.0250	5.00	ND	107	54-133	5.53	20	
Ethylbenzene	5.10	0.0250	5.00	ND	102	61-133	5.35	20	
Toluene	5.27	0.0250	5.00	ND	105	61-130	5.52	20	
o-Xylene	5.07	0.0250	5.00	ND	101	63-131	5.18	20	
p,m-Xylene	10.3	0.0500	10.0	ND	103	63-131	5.19	20	
Total Xylenes	15.4	0.0250	15.0	ND	103	63-131	5.19	20	
Surrogate: 4-Bromochlorobenzene-PID	6.30		8.00		78.8	70-130			



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Alley Cat 17 CTB 3 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 3/18/2025 11:15:37AM
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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 (2511072-BLK1)

Prepared: 03/14/25 Analyzed: 03/14/25

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

LCS (2511072-BS2)

Prepared: 03/14/25 Analyzed: 03/14/25

Gasoline Range Organics (C6-C10)	38.9	20.0	50.0		77.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.72		8.00		96.5	70-130			

Matrix Spike (2511072-MS2)

Source: E503097-03

Prepared: 03/14/25 Analyzed: 03/15/25

Gasoline Range Organics (C6-C10)	41.2	20.0	50.0	ND	82.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.86		8.00		98.3	70-130			

Matrix Spike Dup (2511072-MSD2)

Source: E503097-03

Prepared: 03/14/25 Analyzed: 03/15/25

Gasoline Range Organics (C6-C10)	40.3	20.0	50.0	ND	80.6	70-130	2.27	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.81		8.00		97.6	70-130			



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Alley Cat 17 CTB 3 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 3/18/2025 11:15:37AM
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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 (2511077-BLK1)

Prepared: 03/14/25 Analyzed: 03/14/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	48.1		50.0		96.3	61-141			

LCS (2511077-BS1)

Prepared: 03/14/25 Analyzed: 03/14/25

Diesel Range Organics (C10-C28)	221	25.0	250		88.6	66-144			
Surrogate: n-Nonane	49.1		50.0		98.2	61-141			

Matrix Spike (2511077-MS1)

Source: E503082-03

Prepared: 03/14/25 Analyzed: 03/14/25

Diesel Range Organics (C10-C28)	227	25.0	250	ND	90.8	56-156			
Surrogate: n-Nonane	47.9		50.0		95.8	61-141			

Matrix Spike Dup (2511077-MSD1)

Source: E503082-03

Prepared: 03/14/25 Analyzed: 03/14/25

Diesel Range Organics (C10-C28)	225	25.0	250	ND	89.9	56-156	1.06	20	
Surrogate: n-Nonane	47.8		50.0		95.5	61-141			



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Alley Cat 17 CTB 3 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 3/18/2025 11:15:37AM
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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 (2511071-BLK1)

Prepared: 03/14/25 Analyzed: 03/14/25

Chloride	ND	20.0							
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LCS (2511071-BS1)

Prepared: 03/14/25 Analyzed: 03/14/25

Chloride	255	20.0	250		102	90-110			
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Matrix Spike (2511071-MS1)

Source: E503097-08

Prepared: 03/14/25 Analyzed: 03/14/25

Chloride	748	20.0	250	501	98.9	80-120			
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Matrix Spike Dup (2511071-MSD1)

Source: E503097-08

Prepared: 03/14/25 Analyzed: 03/14/25

Chloride	742	20.0	250	501	96.3	80-120	0.884	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:	Alley Cat 17 CTB 3	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	03/18/25 11:15

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: 5/13/2025 11:47:18 AM

Received by OCD: 5/6/2025 3:31:16 PM

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: Alley Cat 17 CTB 3				Address: 5315 Buena Vista Dr				E 503098		01658-0007					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			
11:58	3/12/2025	S	1	FS01-1'		1						X								
12:01	3/12/2025	S	1	FS02-1'		2						X								
12:00	3/12/2025	S	1	FS06-1'		3						X								

Additional Instructions: Please CC: cburton@ensolum.com, agioveno@ensolum.com, jim.raley@dvn.com, iestrella@ensolum.com, chamilton@ensolum.com, oaderinto@ensolum.com, bmoir@ensolum.com

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

Sampled by: <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. Lab Use Only Received on ice: <input checked="" type="radio"/> Y / <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
	03-13-25	1511	Michelle Gonzales	3-13-25	1511	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
	3-13-25	1700		3-13-25	1700	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
	3-13-25	2300		3-14-25	0430	
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: 3/14/2025 8:53:12AM

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:	03/14/25 04:30	Work Order ID:	E503098
Phone:	(505) 382-1211	Date Logged In:	03/13/25 16:41	Logged In By:	Noe Soto
Email:	agiovengo@ensolum.com	Due Date:	03/20/25 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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: Alley Cat 17 CTB 3

Work Order: E503112

Job Number: 01058-0007

Received: 3/15/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
3/20/25

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: 3/20/25



Ashley Giovengo
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Alley Cat 17 CTB 3
Workorder: E503112
Date Received: 3/15/2025 4:00:46AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/15/2025 4:00:46AM, under the Project Name: Alley Cat 17 CTB 3.

The analytical test results summarized in this report with the Project Name: Alley Cat 17 CTB 3 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

Raina Schwanz
Laboratory Administrator
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mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Alley Cat 17 CTB 3 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 03/20/25 08:32
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS03-1'	E503112-01A	Soil	03/13/25	03/15/25	Glass Jar, 2 oz.
FS08-0.5'	E503112-02A	Soil	03/13/25	03/15/25	Glass Jar, 2 oz.
FS10-0.5'	E503112-03A	Soil	03/13/25	03/15/25	Glass Jar, 2 oz.
FS11-0.5'	E503112-04A	Soil	03/13/25	03/15/25	Glass Jar, 2 oz.
FS12-0.5'	E503112-05A	Soil	03/13/25	03/15/25	Glass Jar, 2 oz.



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Alley Cat 17 CTB 3 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 3/20/2025 8:32:43AM
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FS03-1'

E503112-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B		mg/kg	mg/kg	Analyst: SL		Batch: 2511092
Benzene	ND	0.0250	1	03/15/25	03/15/25	
Ethylbenzene	0.0495	0.0250	1	03/15/25	03/15/25	
Toluene	ND	0.0250	1	03/15/25	03/15/25	
o-Xylene	0.0725	0.0250	1	03/15/25	03/15/25	
p,m-Xylene	0.159	0.0500	1	03/15/25	03/15/25	
Total Xylenes	0.231	0.0250	1	03/15/25	03/15/25	
<i>Surrogate: Bromofluorobenzene</i>		106 %	70-130	03/15/25	03/15/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	03/15/25	03/15/25	
<i>Surrogate: Toluene-d8</i>		108 %	70-130	03/15/25	03/15/25	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: SL		Batch: 2511092
Gasoline Range Organics (C6-C10)	21.0	20.0	1	03/15/25	03/15/25	
<i>Surrogate: Bromofluorobenzene</i>		106 %	70-130	03/15/25	03/15/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	70-130	03/15/25	03/15/25	
<i>Surrogate: Toluene-d8</i>		108 %	70-130	03/15/25	03/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: KH		Batch: 2511086
Diesel Range Organics (C10-C28)	1730	25.0	1	03/15/25	03/15/25	
Oil Range Organics (C28-C36)	778	50.0	1	03/15/25	03/15/25	
<i>Surrogate: n-Nonane</i>		97.0 %	61-141	03/15/25	03/15/25	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: DT		Batch: 2512014
Chloride	798	20.0	1	03/17/25	03/17/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Alley Cat 17 CTB 3 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 3/20/2025 8:32:43AM
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FS08-0.5'

E503112-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B		mg/kg	mg/kg	Analyst: SL		Batch: 2511092
Benzene	ND	0.0250	1	03/15/25	03/15/25	
Ethylbenzene	ND	0.0250	1	03/15/25	03/15/25	
Toluene	ND	0.0250	1	03/15/25	03/15/25	
o-Xylene	ND	0.0250	1	03/15/25	03/15/25	
p,m-Xylene	ND	0.0500	1	03/15/25	03/15/25	
Total Xylenes	ND	0.0250	1	03/15/25	03/15/25	
<i>Surrogate: Bromofluorobenzene</i>		106 %	70-130	03/15/25	03/15/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %	70-130	03/15/25	03/15/25	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	03/15/25	03/15/25	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: SL		Batch: 2511092
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/25	03/15/25	
<i>Surrogate: Bromofluorobenzene</i>		106 %	70-130	03/15/25	03/15/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %	70-130	03/15/25	03/15/25	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	03/15/25	03/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: KH		Batch: 2511086
Diesel Range Organics (C10-C28)	ND	25.0	1	03/15/25	03/15/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/25	03/15/25	
<i>Surrogate: n-Nonane</i>		93.9 %	61-141	03/15/25	03/15/25	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: DT		Batch: 2512014
Chloride	1030	20.0	1	03/17/25	03/17/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Alley Cat 17 CTB 3 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 3/20/2025 8:32:43AM
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FS10-0.5'

E503112-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B		mg/kg	mg/kg	Analyst: SL		Batch: 2511092
Benzene	ND	0.0250	1	03/15/25	03/15/25	
Ethylbenzene	ND	0.0250	1	03/15/25	03/15/25	
Toluene	ND	0.0250	1	03/15/25	03/15/25	
o-Xylene	ND	0.0250	1	03/15/25	03/15/25	
p,m-Xylene	ND	0.0500	1	03/15/25	03/15/25	
Total Xylenes	ND	0.0250	1	03/15/25	03/15/25	
<i>Surrogate: Bromofluorobenzene</i>		106 %	70-130	03/15/25	03/15/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.9 %	70-130	03/15/25	03/15/25	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	03/15/25	03/15/25	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: SL		Batch: 2511092
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/25	03/15/25	
<i>Surrogate: Bromofluorobenzene</i>		106 %	70-130	03/15/25	03/15/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.9 %	70-130	03/15/25	03/15/25	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	03/15/25	03/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: KH		Batch: 2511086
Diesel Range Organics (C10-C28)	172	25.0	1	03/15/25	03/15/25	
Oil Range Organics (C28-C36)	176	50.0	1	03/15/25	03/15/25	
<i>Surrogate: n-Nonane</i>		94.1 %	61-141	03/15/25	03/15/25	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: DT		Batch: 2512014
Chloride	2730	40.0	2	03/17/25	03/17/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Alley Cat 17 CTB 3 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 3/20/2025 8:32:43AM
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FS11-0.5'

E503112-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: SL		Batch: 2511092
Benzene	ND	0.0250	1	03/15/25	03/15/25	
Ethylbenzene	ND	0.0250	1	03/15/25	03/15/25	
Toluene	ND	0.0250	1	03/15/25	03/15/25	
o-Xylene	ND	0.0250	1	03/15/25	03/15/25	
p,m-Xylene	ND	0.0500	1	03/15/25	03/15/25	
Total Xylenes	ND	0.0250	1	03/15/25	03/15/25	
<i>Surrogate: Bromofluorobenzene</i>		106 %	70-130	03/15/25	03/15/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.1 %	70-130	03/15/25	03/15/25	
<i>Surrogate: Toluene-d8</i>		107 %	70-130	03/15/25	03/15/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2511092
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/25	03/15/25	
<i>Surrogate: Bromofluorobenzene</i>		106 %	70-130	03/15/25	03/15/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.1 %	70-130	03/15/25	03/15/25	
<i>Surrogate: Toluene-d8</i>		107 %	70-130	03/15/25	03/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2511086
Diesel Range Organics (C10-C28)	1240	25.0	1	03/15/25	03/15/25	
Oil Range Organics (C28-C36)	1130	50.0	1	03/15/25	03/15/25	
<i>Surrogate: n-Nonane</i>		96.3 %	61-141	03/15/25	03/15/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT		Batch: 2512014
Chloride	2850	40.0	2	03/17/25	03/17/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Alley Cat 17 CTB 3 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 3/20/2025 8:32:43AM
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FS12-0.5'

E503112-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B		mg/kg	mg/kg	Analyst: SL		Batch: 2511092
Benzene	ND	0.0250	1	03/15/25	03/15/25	
Ethylbenzene	ND	0.0250	1	03/15/25	03/15/25	
Toluene	ND	0.0250	1	03/15/25	03/15/25	
o-Xylene	ND	0.0250	1	03/15/25	03/15/25	
p,m-Xylene	ND	0.0500	1	03/15/25	03/15/25	
Total Xylenes	ND	0.0250	1	03/15/25	03/15/25	
<i>Surrogate: Bromofluorobenzene</i>		106 %	70-130	03/15/25	03/15/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	70-130	03/15/25	03/15/25	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	03/15/25	03/15/25	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: SL		Batch: 2511092
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/25	03/15/25	
<i>Surrogate: Bromofluorobenzene</i>		106 %	70-130	03/15/25	03/15/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		102 %	70-130	03/15/25	03/15/25	
<i>Surrogate: Toluene-d8</i>		106 %	70-130	03/15/25	03/15/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: KH		Batch: 2511086
Diesel Range Organics (C10-C28)	1030	25.0	1	03/15/25	03/15/25	
Oil Range Organics (C28-C36)	1170	50.0	1	03/15/25	03/15/25	
<i>Surrogate: n-Nonane</i>		97.9 %	61-141	03/15/25	03/15/25	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: DT		Batch: 2512014
Chloride	167	20.0	1	03/17/25	03/17/25	



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Alley Cat 17 CTB 3 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 3/20/2025 8:32:43AM
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Volatile Organic Compounds by EPA 8260B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2511092-BLK1)

Prepared: 03/15/25 Analyzed: 03/15/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.512		0.500		102		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.478		0.500		95.6		70-130		
Surrogate: Toluene-d8	0.525		0.500		105		70-130		

LCS (2511092-BS1)

Prepared: 03/15/25 Analyzed: 03/15/25

Benzene	2.31	0.0250	2.50		92.3		70-130		
Ethylbenzene	2.43	0.0250	2.50		97.1		70-130		
Toluene	2.52	0.0250	2.50		101		70-130		
o-Xylene	2.40	0.0250	2.50		96.2		70-130		
p,m-Xylene	5.05	0.0500	5.00		101		70-130		
Total Xylenes	7.45	0.0250	7.50		99.4		70-130		
Surrogate: Bromofluorobenzene	0.503		0.500		101		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.481		0.500		96.2		70-130		
Surrogate: Toluene-d8	0.536		0.500		107		70-130		

Matrix Spike (2511092-MS1)

Source: E503112-01

Prepared: 03/15/25 Analyzed: 03/15/25

Benzene	2.37	0.0250	2.50	ND	94.6		48-131		
Ethylbenzene	2.51	0.0250	2.50	0.0495	98.3		45-135		
Toluene	2.57	0.0250	2.50	ND	103		48-130		
o-Xylene	2.54	0.0250	2.50	0.0725	98.6		43-135		
p,m-Xylene	5.29	0.0500	5.00	0.159	103		43-135		
Total Xylenes	7.83	0.0250	7.50	0.231	101		43-135		
Surrogate: Bromofluorobenzene	0.515		0.500		103		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.488		0.500		97.6		70-130		
Surrogate: Toluene-d8	0.539		0.500		108		70-130		

Matrix Spike Dup (2511092-MSD1)

Source: E503112-01

Prepared: 03/15/25 Analyzed: 03/15/25

Benzene	2.44	0.0250	2.50	ND	97.6		48-131	3.14	23
Ethylbenzene	2.58	0.0250	2.50	0.0495	101		45-135	2.75	27
Toluene	2.67	0.0250	2.50	ND	107		48-130	3.89	24
o-Xylene	2.65	0.0250	2.50	0.0725	103		43-135	4.41	27
p,m-Xylene	5.56	0.0500	5.00	0.159	108		43-135	4.93	27
Total Xylenes	8.21	0.0250	7.50	0.231	106		43-135	4.76	27
Surrogate: Bromofluorobenzene	0.514		0.500		103		70-130		
Surrogate: 1,2-Dichloroethane-d4	0.504		0.500		101		70-130		
Surrogate: Toluene-d8	0.540		0.500		108		70-130		



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Alley Cat 17 CTB 3 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 3/20/2025 8:32:43AM
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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 (2511092-BLK1)

Prepared: 03/15/25 Analyzed: 03/15/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.512		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.478		0.500		95.6	70-130			
Surrogate: Toluene-d8	0.525		0.500		105	70-130			

LCS (2511092-BS2)

Prepared: 03/15/25 Analyzed: 03/15/25

Gasoline Range Organics (C6-C10)	55.5	20.0	50.0		111	70-130			
Surrogate: Bromofluorobenzene	0.520		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.485		0.500		97.0	70-130			
Surrogate: Toluene-d8	0.550		0.500		110	70-130			

Matrix Spike (2511092-MS2)

Source: E503112-01

Prepared: 03/15/25 Analyzed: 03/15/25

Gasoline Range Organics (C6-C10)	79.5	20.0	50.0	21.0	117	70-130			
Surrogate: Bromofluorobenzene	0.521		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.497		0.500		99.3	70-130			
Surrogate: Toluene-d8	0.549		0.500		110	70-130			

Matrix Spike Dup (2511092-MSD2)

Source: E503112-01

Prepared: 03/15/25 Analyzed: 03/15/25

Gasoline Range Organics (C6-C10)	79.7	20.0	50.0	21.0	117	70-130	0.153	20	
Surrogate: Bromofluorobenzene	0.524		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.502		0.500		100	70-130			
Surrogate: Toluene-d8	0.544		0.500		109	70-130			



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Alley Cat 17 CTB 3 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 3/20/2025 8:32:43AM
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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 (2511086-BLK1)

Prepared: 03/15/25 Analyzed: 03/15/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	49.0		50.0		98.1	61-141			

LCS (2511086-BS1)

Prepared: 03/15/25 Analyzed: 03/15/25

Diesel Range Organics (C10-C28)	223	25.0	250		89.1	66-144			
Surrogate: <i>n</i> -Nonane	48.8		50.0		97.6	61-141			

Matrix Spike (2511086-MS1)

Source: E503109-03

Prepared: 03/15/25 Analyzed: 03/15/25

Diesel Range Organics (C10-C28)	244	25.0	250	ND	97.6	56-156			
Surrogate: <i>n</i> -Nonane	51.5		50.0		103	61-141			

Matrix Spike Dup (2511086-MSD1)

Source: E503109-03

Prepared: 03/15/25 Analyzed: 03/15/25

Diesel Range Organics (C10-C28)	249	25.0	250	ND	99.6	56-156	2.00	20	
Surrogate: <i>n</i> -Nonane	53.3		50.0		107	61-141			



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Alley Cat 17 CTB 3 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 3/20/2025 8:32:43AM
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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 (2512014-BLK1)

Prepared: 03/17/25 Analyzed: 03/17/25

Chloride ND 20.0

LCS (2512014-BS1)

Prepared: 03/17/25 Analyzed: 03/17/25

Chloride 254 20.0 250 102 90-110

Matrix Spike (2512014-MS1)

Source: E503112-05

Prepared: 03/17/25 Analyzed: 03/17/25

Chloride 413 20.0 250 167 98.5 80-120

Matrix Spike Dup (2512014-MSD1)

Source: E503112-05

Prepared: 03/17/25 Analyzed: 03/17/25

Chloride 419 20.0 250 167 101 80-120 1.49 20

QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



Definitions and Notes

Devon Energy - Carlsbad	Project Name:	Alley Cat 17 CTB 3	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	03/20/25 08:32

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: 5/13/2025 11:47:18 AM

Received by OCD: 5/6/2025 3:31:16 PM

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: Alley Cat 17 CTB3				Address: 5315 Buena Vista Dr				E503112		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			
13:56	3/13/2025	S	1	FS03 - 1'			1						X								
12:51	3/13/2025	S	1	FS08 - 0.5'			2						X								
12:58	3/13/2025	S	1	FS10 - 0.5'			3						X								
12:54	3/13/2025	S	1	FS11 - 0.5'			4						X								
13:00	3/13/2025	S	1	FS12 - 0.5'			5						X								

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

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

Relinquished by: (Signature) <i>Oluwale Aderinto</i>						Date 3/14/25	Time 08:15	Received by: (Signature) <i>Michelle Gonzales</i>		Date 3-14-25	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="checkbox"/> / N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <i>Michelle Gonzales</i>						Date 3.14.25	Time 1650	Received by: (Signature) <i>L.H.</i>		Date 3.14.25	Time 1700	
Relinquished by: (Signature) <i>L.H.</i>						Date 3.14.25	Time 2130	Received by: (Signature) <i>Noc Soto</i>		Date 3.15.25	Time 0400	
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.

Page 15 of 16

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Envirotech Analytical Laboratory

Printed: 3/17/2025 8:55:01AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Devon Energy - Carlsbad	Date Received:	03/15/25 04:00	Work Order ID:	E503112
Phone:	(505) 382-1211	Date Logged In:	03/14/25 14:30	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	03/21/25 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

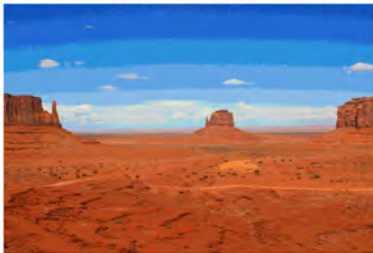
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name: Alley Cat 17 CTB 3

Work Order: E503150

Job Number: 01058-0007

Received: 3/19/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
3/24/25

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 3/24/25



Ashley Giovengo
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Alley Cat 17 CTB 3
Workorder: E503150
Date Received: 3/19/2025 4:00:29AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/19/2025 4:00:29AM, under the Project Name: Alley Cat 17 CTB 3.

The analytical test results summarized in this report with the Project Name: Alley Cat 17 CTB 3 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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Sample Summary

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Alley Cat 17 CTB 3 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 03/24/25 15:31
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS04-0.5'	E503150-01A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS06-1'	E503150-02A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS07-0.5'	E503150-03A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
FS09-0.5'	E503150-04A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.
SW01- 0-1'	E503150-05A	Soil	03/17/25	03/19/25	Glass Jar, 2 oz.



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Alley Cat 17 CTB 3 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 3/24/2025 3:31:25PM
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FS04-0.5'

E503150-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2512071
Benzene	ND	0.0250	1	03/19/25	03/19/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/19/25	
Toluene	ND	0.0250	1	03/19/25	03/19/25	
o-Xylene	ND	0.0250	1	03/19/25	03/19/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/19/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/19/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		83.9 %	70-130	03/19/25	03/19/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2512071
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/19/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.8 %	70-130	03/19/25	03/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2512073
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/19/25	
<i>Surrogate: n-Nonane</i>						
		93.7 %	61-141	03/19/25	03/19/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2512115
Chloride	ND	20.0	1	03/19/25	03/20/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Alley Cat 17 CTB 3 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 3/24/2025 3:31:25PM
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FS06-1'

E503150-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2512071
Benzene	ND	0.0250	1	03/19/25	03/19/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/19/25	
Toluene	ND	0.0250	1	03/19/25	03/19/25	
o-Xylene	ND	0.0250	1	03/19/25	03/19/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/19/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/19/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		84.5 %	70-130	03/19/25	03/19/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2512071
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/19/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.7 %	70-130	03/19/25	03/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2512073
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/19/25	
<i>Surrogate: n-Nonane</i>						
		95.1 %	61-141	03/19/25	03/19/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2512115
Chloride	90.7	20.0	1	03/19/25	03/20/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Alley Cat 17 CTB 3 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 3/24/2025 3:31:25PM
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FS07-0.5'

E503150-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2512071
Benzene	ND	0.0250	1	03/19/25	03/19/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/19/25	
Toluene	ND	0.0250	1	03/19/25	03/19/25	
o-Xylene	ND	0.0250	1	03/19/25	03/19/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/19/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/19/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		83.5 %	70-130	03/19/25	03/19/25	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2512071
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/19/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.9 %	70-130	03/19/25	03/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KH		Batch: 2512073
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/19/25	
<i>Surrogate: n-Nonane</i>						
		94.2 %	61-141	03/19/25	03/19/25	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: AK		Batch: 2512115
Chloride	60.4	20.0	1	03/19/25	03/20/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Alley Cat 17 CTB 3 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 3/24/2025 3:31:25PM
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FS09-0.5'

E503150-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2512071
Benzene	ND	0.0250	1	03/19/25	03/19/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/19/25	
Toluene	ND	0.0250	1	03/19/25	03/19/25	
o-Xylene	ND	0.0250	1	03/19/25	03/19/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/19/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/19/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		83.6 %	70-130	03/19/25	03/19/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2512071
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/19/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.2 %	70-130	03/19/25	03/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2512073
Diesel Range Organics (C10-C28)	ND	25.0	1	03/19/25	03/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	03/19/25	03/19/25	
<i>Surrogate: n-Nonane</i>		98.4 %	61-141	03/19/25	03/19/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: AK		Batch: 2512115
Chloride	40.7	20.0	1	03/19/25	03/20/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Alley Cat 17 CTB 3 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 3/24/2025 3:31:25PM
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SW01- 0-1'

E503150-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: SL		Batch: 2512071
Benzene	ND	0.0250	1	03/19/25	03/19/25	
Ethylbenzene	ND	0.0250	1	03/19/25	03/19/25	
Toluene	ND	0.0250	1	03/19/25	03/19/25	
o-Xylene	ND	0.0250	1	03/19/25	03/19/25	
p,m-Xylene	ND	0.0500	1	03/19/25	03/19/25	
Total Xylenes	ND	0.0250	1	03/19/25	03/19/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		85.0 %	70-130	03/19/25	03/19/25	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: SL		Batch: 2512071
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/19/25	03/19/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.4 %	70-130	03/19/25	03/19/25	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: KH		Batch: 2512073
Diesel Range Organics (C10-C28)	2150	25.0	1	03/19/25	03/19/25	
Oil Range Organics (C28-C36)	995	50.0	1	03/19/25	03/19/25	
<i>Surrogate: n-Nonane</i>		97.3 %	61-141	03/19/25	03/19/25	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: AK		Batch: 2512115
Chloride	1510	20.0	1	03/19/25	03/20/25	



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Alley Cat 17 CTB 3 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 3/24/2025 3:31:25PM
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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 (2512071-BLK1)

Prepared: 03/19/25 Analyzed: 03/19/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	6.33		8.00		79.2	70-130			

LCS (2512071-BS1)

Prepared: 03/19/25 Analyzed: 03/19/25

Benzene	5.39	0.0250	5.00		108	70-130			
Ethylbenzene	5.16	0.0250	5.00		103	70-130			
Toluene	5.30	0.0250	5.00		106	70-130			
o-Xylene	5.09	0.0250	5.00		102	70-130			
p,m-Xylene	10.4	0.0500	10.0		104	70-130			
Total Xylenes	15.5	0.0250	15.0		104	70-130			
Surrogate: 4-Bromochlorobenzene-PID	6.35		8.00		79.4	70-130			

LCS Dup (2512071-BSD1)

Prepared: 03/19/25 Analyzed: 03/19/25

Benzene	4.89	0.0250	5.00		97.9	70-130	9.71	20	
Ethylbenzene	4.66	0.0250	5.00		93.3	70-130	10.0	20	
Toluene	4.81	0.0250	5.00		96.1	70-130	9.83	20	
o-Xylene	4.68	0.0250	5.00		93.5	70-130	8.38	20	
p,m-Xylene	9.49	0.0500	10.0		94.9	70-130	9.65	20	
Total Xylenes	14.2	0.0250	15.0		94.4	70-130	9.23	20	
Surrogate: 4-Bromochlorobenzene-PID	6.40		8.00		80.0	70-130			



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Alley Cat 17 CTB 3 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 3/24/2025 3:31:25PM
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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 (2512071-BLK1)

Prepared: 03/19/25 Analyzed: 03/19/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.64		8.00		95.5	70-130			

LCS (2512071-BS2)

Prepared: 03/19/25 Analyzed: 03/19/25

Gasoline Range Organics (C6-C10)	41.7	20.0	50.0		83.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.76		8.00		97.0	70-130			

LCS Dup (2512071-BSD2)

Prepared: 03/19/25 Analyzed: 03/19/25

Gasoline Range Organics (C6-C10)	43.5	20.0	50.0		87.1	70-130	4.30	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.75		8.00		96.9	70-130			



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Alley Cat 17 CTB 3 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 3/24/2025 3:31:25PM
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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 (2512073-BLK1)

Prepared: 03/19/25 Analyzed: 03/19/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	45.3		50.0		90.7	61-141			

LCS (2512073-BS1)

Prepared: 03/19/25 Analyzed: 03/19/25

Diesel Range Organics (C10-C28)	221	25.0	250		88.2	66-144			
Surrogate: <i>n</i> -Nonane	44.9		50.0		89.9	61-141			

Matrix Spike (2512073-MS1)

Source: E503150-04

Prepared: 03/19/25 Analyzed: 03/19/25

Diesel Range Organics (C10-C28)	218	25.0	250	ND	87.1	56-156			
Surrogate: <i>n</i> -Nonane	44.9		50.0		89.9	61-141			

Matrix Spike Dup (2512073-MSD1)

Source: E503150-04

Prepared: 03/19/25 Analyzed: 03/19/25

Diesel Range Organics (C10-C28)	221	25.0	250	ND	88.3	56-156	1.36	20	
Surrogate: <i>n</i> -Nonane	45.1		50.0		90.2	61-141			



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Alley Cat 17 CTB 3 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 3/24/2025 3:31:25PM
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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 (2512115-BLK1)

Prepared: 03/19/25 Analyzed: 03/20/25

Chloride	ND	20.0							
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LCS (2512115-BS1)

Prepared: 03/19/25 Analyzed: 03/20/25

Chloride	256	20.0	250		103	90-110			
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Matrix Spike (2512115-MS1)

Source: E503151-02

Prepared: 03/19/25 Analyzed: 03/20/25

Chloride	1830	20.0	250	1560	106	80-120			
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Matrix Spike Dup (2512115-MSD1)

Source: E503151-02

Prepared: 03/19/25 Analyzed: 03/20/25

Chloride	1790	20.0	250	1560	91.6	80-120	1.97	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:	Alley Cat 17 CTB 3	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	03/24/25 15:31

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: Alley Cat 17 CTB 3				Address: 5315 Buena Vista Dr				E503150		01058'0001					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			
10:19	3/17/2025	S	1	FS04 - 0.5'		1						X									
10:14	3/17/2025	S	1	FS06 - 1'		2						X									
10:17	3/17/2025	S	1	FS07 - 0.5'		3						X									
11:38	3/17/2025	S	1	FS09 - 0.5'		4						X									
11:45	3/17/2025	S	1	SW01 - 0 -1'		5						X									

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

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

Relinquished by: (Signature) <i>Oluwale Aderinto</i>						Date 03/18/25	Time 08:15	Received by: (Signature) <i>Michelle Gonzales</i>						Date 3-18-25	Time 1130	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 3-18-25	Time 1645	Received by: (Signature) <i>Andrew J.</i>						Date 3-18-25	Time 1700	
Relinquished by: (Signature) <i>Andrew J.</i>						Date 3-18-25	Time 2300	Received by: (Signature) <i>Kimberly C Hill</i>						Date 3-19-25	Time 0400	
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: 3/19/2025 7:41:52AM

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:	03/19/25 04:00	Work Order ID:	E503150
Phone:	(505) 382-1211	Date Logged In:	03/18/25 15:42	Logged In By:	Noe Soto
Email:	agiovengo@ensolum.com	Due Date:	03/25/25 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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.



APPENDIX E

NMOCD Correspondence

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 439656

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 439656
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2435154758
Incident Name	NAPP2435154758 ALLEY CAT 17 CTB 3 @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2123635487] ALLEY CAT 17 CTB 3

Location of Release Source	
Site Name	ALLEY CAT 17 CTB 3
Date Release Discovered	12/15/2024
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	2,306
What is the estimated number of samples that will be gathered	14
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/10/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Please Contact Oluwale Aderinto @ 505-617-1363
Please provide any information necessary for navigation to sampling site	32.308948, -103.695675

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

General Information
Phone: (505) 629-6116

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State of New Mexico
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Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 439656

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 439656
	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.	3/6/2025

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

QUESTIONS

Action 439665

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 439665
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2435154758
Incident Name	NAPP2435154758 ALLEY CAT 17 CTB 3 @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2123635487] ALLEY CAT 17 CTB 3

Location of Release Source	
Site Name	ALLEY CAT 17 CTB 3
Date Release Discovered	12/15/2024
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	2,306
What is the estimated number of samples that will be gathered	14
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/11/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Please Contact Oluwale Aderinto @ 505-617-1363
Please provide any information necessary for navigation to sampling site	32.308948, -103.695675

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CONDITIONS

Action 439665

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 439665
	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.	3/6/2025

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

QUESTIONS

Action 439668

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 439668
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2435154758
Incident Name	NAPP2435154758 ALLEY CAT 17 CTB 3 @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2123635487] ALLEY CAT 17 CTB 3

Location of Release Source	
Site Name	ALLEY CAT 17 CTB 3
Date Release Discovered	12/15/2024
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	2,306
What is the estimated number of samples that will be gathered	14
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/12/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Please Contact Oluwale Aderinto @ 505-617-1363
Please provide any information necessary for navigation to sampling site	32.308948, -103.695675

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State of New Mexico
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1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 439668

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 439668
	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.	3/6/2025

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State of New Mexico
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1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 439674

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 439674
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2435154758
Incident Name	NAPP2435154758 ALLEY CAT 17 CTB 3 @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2123635487] ALLEY CAT 17 CTB 3

Location of Release Source	
Site Name	ALLEY CAT 17 CTB 3
Date Release Discovered	12/15/2024
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	2,306
What is the estimated number of samples that will be gathered	14
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/13/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Please Contact Oluwale Aderinto @ 505-617-1363
Please provide any information necessary for navigation to sampling site	32.308948, -103.695675

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CONDITIONS

Action 439674

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 439674
	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.	3/6/2025

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State of New Mexico
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Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 441435

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 441435
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2435154758
Incident Name	NAPP2435154758 ALLEY CAT 17 CTB 3 @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2123635487] ALLEY CAT 17 CTB 3

Location of Release Source	
Site Name	ALLEY CAT 17 CTB 3
Date Release Discovered	12/15/2024
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	2,306
What is the estimated number of samples that will be gathered	15
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/14/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Please contact Oluwale Aderinto @ 505-617-1363
Please provide any information necessary for navigation to sampling site	32.308948, -103.695675

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

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

CONDITIONS

Action 441435

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 441435
	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.	3/11/2025

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

QUESTIONS

Action 442216

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 442216
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2435154758
Incident Name	NAPP2435154758 ALLEY CAT 17 CTB 3 @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Approved
Incident Facility	[fAPP2123635487] ALLEY CAT 17 CTB 3

Location of Release Source	
Site Name	ALLEY CAT 17 CTB 3
Date Release Discovered	12/15/2024
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	2,306
What is the estimated number of samples that will be gathered	15
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/17/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Please contract Oluwale Aderinto @ 505-617-1363
Please provide any information necessary for navigation to sampling site	32.308948, -103.695675

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

CONDITIONS

Action 442216

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 442216
	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.	3/13/2025

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

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

QUESTIONS

Action 459419

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 459419
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2435154758
Incident Name	NAPP2435154758 ALLEY CAT 17 CTB 3 @ 0
Incident Type	Oil Release
Incident Status	Deferral Request Received
Incident Facility	[fAPP2123635487] ALLEY CAT 17 CTB 3

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	ALLEY CAT 17 CTB 3
Date Release Discovered	12/15/2024
Surface Owner	Federal

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

Nature and Volume of Release	
<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	Cause: Equipment Failure Flow Line - Production Crude Oil Released: 7 BBL Recovered: 2 BBL Lost: 5 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Hole developed on dump of separator, allowing fluids to impact pad surface.

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State of New Mexico
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1220 S. St Francis Dr.
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QUESTIONS, Page 2

Action 459419

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 459419
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

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

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

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 05/06/2025
--	--

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

QUESTIONS, Page 3

Action 459419

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 459419
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

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

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Greater than 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

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)	8410
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	41900
GRO+DRO (EPA SW-846 Method 8015M)	30000
BTEX (EPA SW-846 Method 8021B or 8260B)	230
Benzene (EPA SW-846 Method 8021B or 8260B)	2

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	03/10/2025
On what date will (or did) the final sampling or liner inspection occur	03/17/2025
On what date will (or was) the remediation complete(d)	03/17/2025
What is the estimated surface area (in square feet) that will be reclaimed	800
What is the estimated volume (in cubic yards) that will be reclaimed	18
What is the estimated surface area (in square feet) that will be remediated	2306
What is the estimated volume (in cubic yards) that will be remediated	100

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 4

Action 459419

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 459419
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

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 off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	HALFWAY DISPOSAL AND LANDFILL [FEEM0112334510]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.

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: 05/06/2025
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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 459419

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 459419
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Deferral Requests Only	
<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	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Is the remaining contamination in areas immediately under or around production equipment where remediation could cause a major facility deconstruction	Yes
Please list or describe the production equipment and how (re)moving the equipment would cause major facility deconstruction	Seperators and pipelines
What is the remaining surface area (in square feet) that will still need to be remediated if a deferral is granted	988
What is the remaining volume (in cubic yards) that will still need to be remediated if a deferral is granted	220
<i>Per Paragraph (2) of Subsection C of 19.15.29.12 NMAC if contamination is located in areas immediately under or around production equipment such as production tanks, wellheads and pipelines where remediation could cause a major facility deconstruction, the remediation, restoration and reclamation may be deferred with division written approval until the equipment is removed during other operations, or when the well or facility is plugged or abandoned, whichever comes first.</i>	
Enter the facility ID (f#) on which this deferral should be granted	ALLEY CAT 17 CTB 3 [fAPP2123635487]
Enter the well API (30-) on which this deferral should be granted	Not answered.
Contamination does not cause an imminent risk to human health, the environment, or groundwater	True
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dv.n.com Date: 05/06/2025

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QUESTIONS, Page 6

Action 459419

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 459419
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	442216
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/17/2025
What was the (estimated) number of samples that were to be gathered	15
What was the sampling surface area in square feet	2306

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

Requesting a remediation closure approval with this submission	No
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CONDITIONS

Action 459419

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 459419
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	Deferral approved. Deferral of FS3, FS11, FS12 and SW01 is approved until plugging and abandonment or a major facility deconstruction, whichever comes first. A complete and accurate remediation report and/or reclamation report will need to be submitted at that time	5/13/2025