ENSOLUM

September 23, 2025

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

Re: Remediation Work Plan
Parkway Gathering Leak
Incident Number: nAPP2510026094
API: 30-015-22367
Eddy County, New Mexico

To Whom it May Concern:

Ensolum, LLC (Ensolum), on behalf of Devon Energy Production Company, LP (Devon), has prepared this *Remediation Work Plan* (*RWP*) to document assessment and soil sampling activities performed at the Parkway Gathering Leak (Site) and proposing additional remedial actions. The purpose of the Site assessment and soil sampling activities was to address waste-containing soil resulting from a produced water release. Devon is submitting this *RWP*, describing analytical results from soil sampling activities associated with Incident Number nAPP2510026094 and proposing excavation of the subject matter release prior to submitting a *Closure Request*.

BACKGROUND

The Site is located in Unit O, Section 20, Township 19 South, Range 29 East, in Eddy County, New Mexico (32.64263°, -104.09655°) and is associated with oil and gas exploration and production operations on New Mexico State Trust Land (STL) managed by the New Mexico State Land Office (NMSLO).

On April 08, 2025, a valve on a gathering line failed which resulted in the release of approximately 22 barrels (bbls) of produced water into a pipeline right-of-way (ROW). Devon reported the release to the New Mexico Oil Conservation Division (NMOCD) via web portal on April 10, 2025, and submitted a Initial C-141 Report (C-141) on April 15, 2025. The release was assigned Incident Number nAPP2510026094.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

The Site was characterized to assess the applicability of Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29, Section 12 (19.15.29.12) of the New Mexico Administrative Code (NMAC). Site Assessment/Characterization is described below. Potential Site receptors are identified on Figure 1.

Depth to groundwater at the Site is estimated to be greater than 100 feet below ground surface (bgs) based on a soil boring drilled for determination of regional groundwater depth. The closest permitted groundwater well with depth to groundwater data is New Mexico Office of the State Engineer (NMOSE) permitted soil boring CP-2084 POD1, located approximately 0.48 miles northwest of the Site. The soil boring was advanced to a total depth of 105 feet bgs with no water encountered, confirming regional

depth to groundwater is greater than 105 feet bgs. There are no regional or Site-specific hydrogeological conditions, such as shallow surface water, karst features, wetlands, or vegetation to suggest the Site is conducive to shallower groundwater. All wells used for depth to groundwater determination are presented in Figure 1. The referenced Well Record & Log is included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is an intermittent dry wash, located approximately 0.58 miles north 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 underlain by unstable geology (critical potential karst designation area).

Prior to beginning excavation activities at the Site an archaeological survey was completed. The survey determined the release area was negative for cultural properties, and as such, the Cultural Properties Protection Rule (CPP) has been followed (see Appendix B).

A desktop environmental review was completed by CEHMM Conservation & Environmental Services and resources indicate threatened or endangered cactus species (Scheer's beehive cactus) are potentially present in the area near the Site (see Appendix C).

On July 4, 2025, Ensolum commissioned a desktop survey, aerial survey, and geophysical karst survey using a Bureau of Land Management (BLM) approved third-party cave/karst contractor. The karst survey was conducted by Advanced Geophysics, under the supervision of Kaleb Henry. Two anomalies were identified during the aerial survey; however, field verification determined these anomalies to be a result of low-lying topography and dense vegetation. The karst survey report is included in Appendix D. Based on the findings of the karst survey, unstable geology and/or potential conduits to groundwater through karst features appear to be absent and as such, Devon respectfully requests the critical karst potential not be considered as a sensitive Site receptor.

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

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- Total petroleum hydrocarbons (TPH)-gasoline range organics (GRO) and TPH-diesel range organics (DRO): 1,000 mg/kg
- TPH: 2,500 mg/kg
- Chloride: 20,000 mg/kg

Excavation and soil sampling activities (if warranted) will be completed in accordance with 19.15.29 NMAC.

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

SITE ASSESSMENT AND DELINEATION SOIL SAMPLING ACTIVITIES

Beginning on May 14, 2025, Ensolum personnel were onsite to delineate the lateral extent of the release as indicated by field observations and information provided in the C-141. A total of nine lateral soil samples (SS01 through SS09) were collected at ground surface and 1-foot bgs just beyond the edge of the observed release extent. On May 15, 2025, and May 21, 2025, five boreholes (BH01 through BH05) were advanced via hand auger within the release extent to assess the vertical extent of the release. Borehole BH01 was advanced to a terminal depth of 12 feet bgs. Borehole BH02 was advanced to a terminal depth of 9 feet bgs. Borehole BH03 was advanced to a terminal depth of 15 feet bgs. Boreholes BH04 was advanced to a terminal depth of 1-foot bgs. Borehole BH05 was advanced to a terminal depth of 2 feet bgs. On August 29, 2025, Ensolum contracted H&R Enterprises, LLC to advance borehole BH03 to a terminal depth of 21 feet bgs with an air rotary drilling rig. Delineation soil samples were collected from each borehole at depths ranging from 0.5 feet to terminal depth. All delineation soil samples were field screened for chloride utilizing Hach® Chloride QuanTab® test strips. Ensolum observed silty sand from the ground surface to a depth of approximately 21 feet bgs. Ensolum did not observe any karst features beneath the Site. Field screening results and observations for the boreholes were logged on lithologic/soil sampling logs, which are included in Appendix E. Photographic documentation of delineation activities is included in Appendix F.

All soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were transported under strict chain-of-custody procedures to Envirotech Analytical Laboratory (Envirotech) in Farmington, New Mexico, for analysis of the following constituents 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 lateral delineation soil samples SS01 through SS09 were all in compliance with the strictest Closure Criteria at ground surface and 1-foot bgs. Laboratory analytical results for boreholes BH01 though BH03 indicated chloride concentrations exceeded reclamation requirement in the top 4 feet and in compliance with Site Closure Criteria at a depth of 4 feet bgs. Borehole BH03 was in compliance with the strictest Table I Closure Criteria at the terminal depth of 21 feet bgs. Boreholes BH04 and BH05 were all in compliance with the strictest Table I Closure Criteria at ground surface to a terminal depth of 1-foot and 2 feet bgs, respectively. Laboratory results are summarized in Table 1 and laboratory analytical reports are included in Appendix G.

PROPOSED REMEDIATION WORK PLAN

The delineation soil sampling results indicate soil containing chloride concentrations exceeding reclamation requirements exist across an approximate 3,014-square-foot area and extends to depths of 4 feet bgs. Devon proposes to complete excavation activities at the Site according to the following actions:

- Excavation of waste-containing soil will be conducted to a maximum depth of 4 feet bgs or until reclamation requirement is met within the top 4 feet of soils. Excavation will proceed laterally until sidewall samples confirm COC concentrations are compliant with the reclamation requirement set forth in 19.15.29.13 NMAC. Up to 556 cubic yards of waste-containing soil is expected to be excavated and will be transported to an approved disposal facility. The proposed excavation extent and estimated depths are shown on Figure 3.

- Confirmation samples will be collected at a frequency of one composite soil sample every 200 square feet from the floor and sidewalls of the excavation. Confirmation soil samples will be analyzed for all COCs listed above.
- The excavation will be backfilled and recontoured to match pre-existing conditions and will be reseeded with a seed mixture approved by the NMSLO.
- Drilling activities associated with borehole BH03 indicated karst features were not observed beneath the Site and as such, Devon does not believe additional karst surveys are warranted for this Site.

Devon will complete the proposed excavation and soil sampling activities within 180 days of the date of approval of this *RWP* by the NMOCD.

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

Sincerely,
Ensolum, LLC

Cole Burton
Project Manager

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

cc: Jim Raley, Devon
NMSLO

Appendices:

Figure 1	Site Receptor Map
Figure 2	Delineation Soil Sample Locations
Figure 3	Proposed Excavation Extent
Table 1	Soil Sample Analytical Results
Appendix A	Well Record and Log
Appendix B	NMSLO Cultural Resources Cover Sheet
Appendix C	Desktop Environmental Review
Appendix D	Karst Survey Report
Appendix E	Lithologic Soil Sampling Logs
Appendix F	Photographic Log
Appendix G	Laboratory Analytical Reports & Chain-of-Custody Documentation
Appendix H	NMOCD Correspondence

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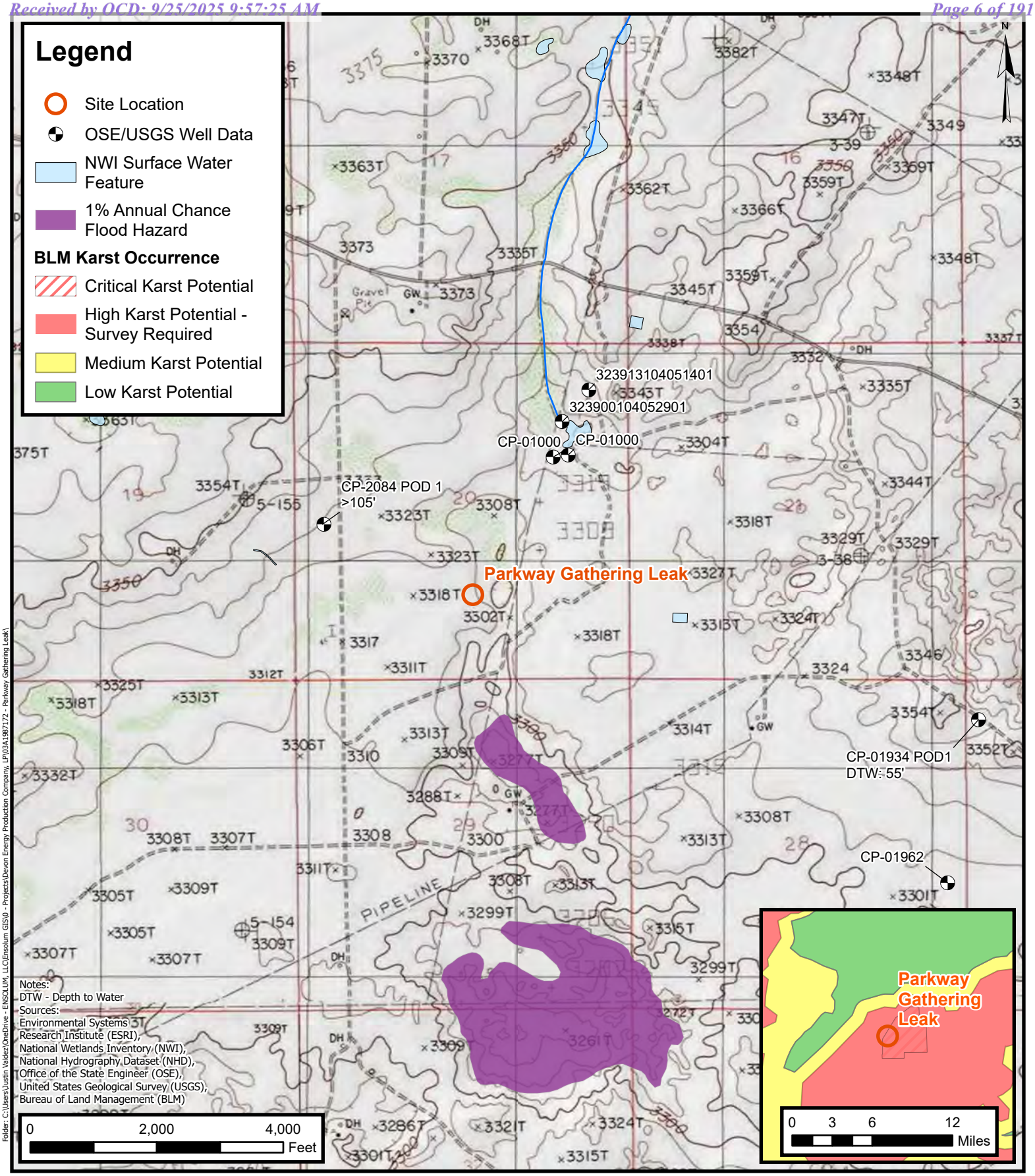
FIGURES



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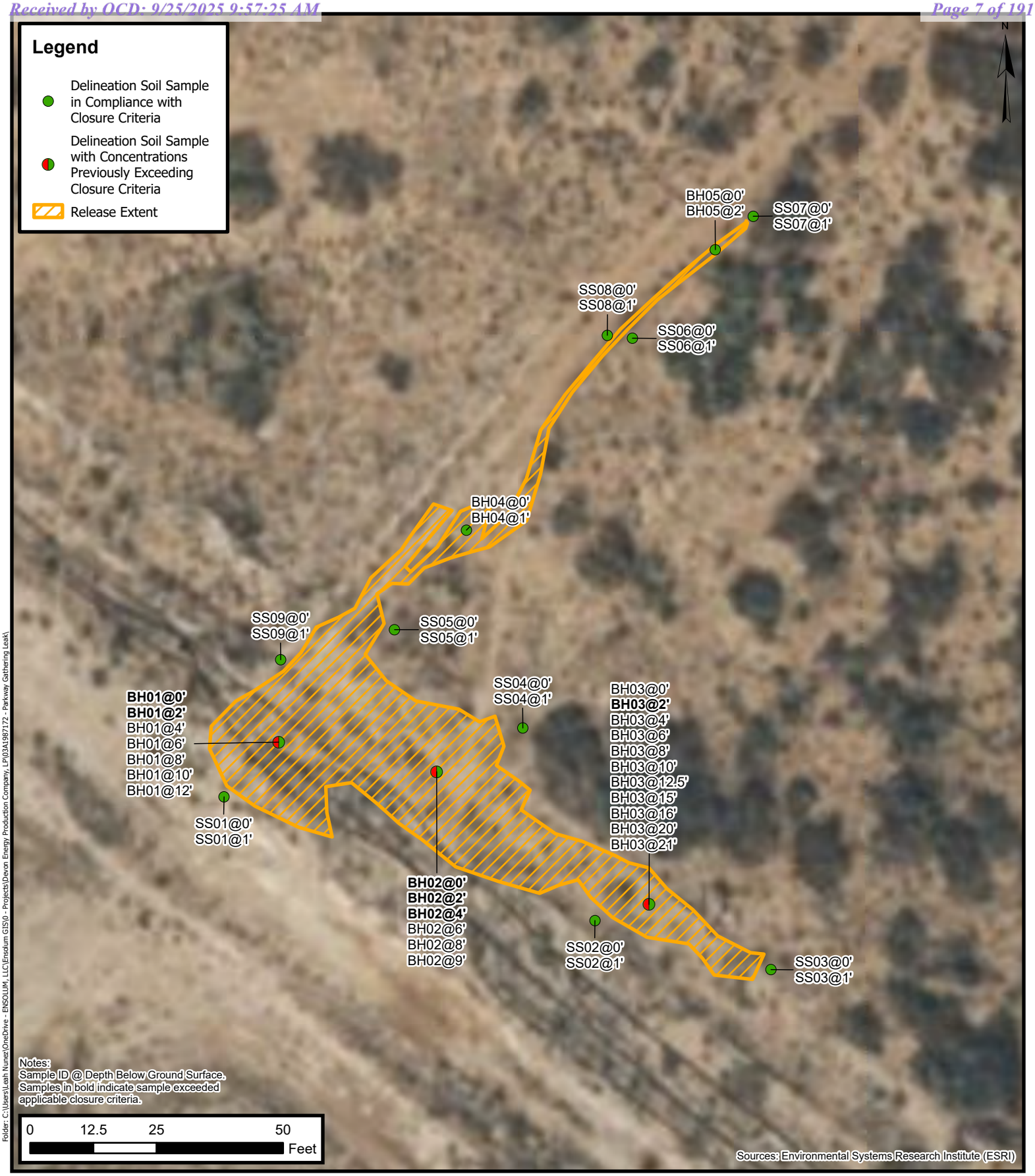
Site Receptor Map

Devon Energy Production Company, LP
Parkway Gathering Leak
Incident Number: nAPP2510026094
Unit O, Section 20, T 19S, R 29E
Eddy County, New Mexico

FIGURE 1



Folder: C:\Users\Leah Nunez\OneDrive - ENSOLUM, LLC\Ensolum GIS\0 - Projects\Devon Energy Production Company, LP\03A1987172 - Parkway Gathering Leak\

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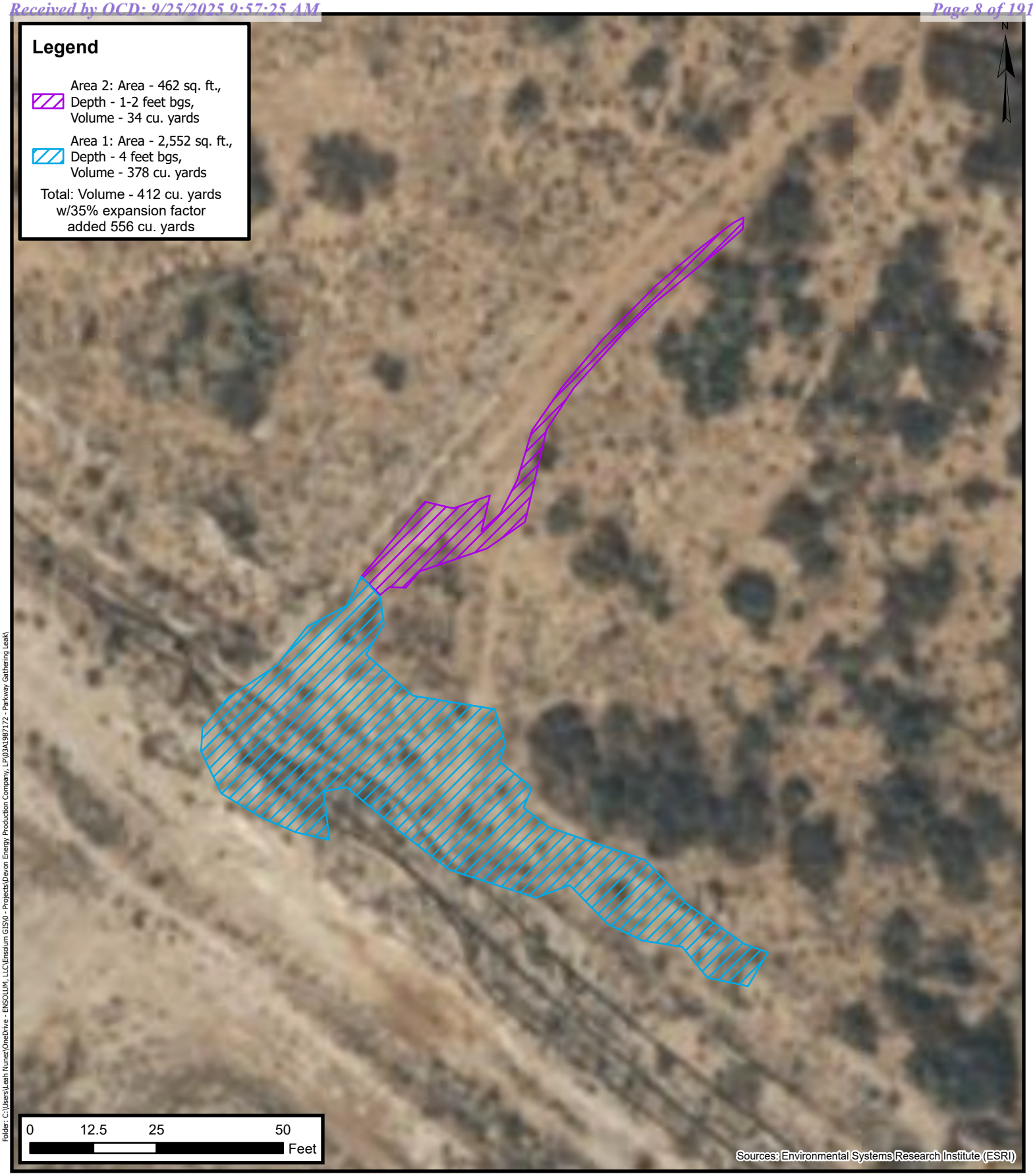
Delineation Soil Sample Locations

Devon Energy Production Company, LP
Parkway Gathering Leak
Incident Number: nAPP2510026094
Unit O, Section 20, T 19S, R 29E
Eddy County, New Mexico

FIGURE 2



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Proposed Excavation Extent

Devon Energy Production Company, LP
Parkway Gathering Leak
Incident Number: nAPP2510026094
Unit O, Section 20, T 19S, R 29E
Eddy County, New Mexico

FIGURE 3

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TABLES

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TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
Parkway Gathering Leak
Devon Energy Production Company, LP
Eddy County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Reclamation Requirement (NMAC 19.15.29.13.D)			**10**	**50**	**NE**	**NE**	**NE**	**NE**	**100**	**600**
NMOCD Table I Closure Criteria (NMAC 19.15.29)			**10**	**50**	**NE**	**NE**	**NE**	**1,000**	**2,500**	**20,000**
Delineation Soil Samples										
SS01	5/14/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<100
SS01	5/14/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<200
SS02	5/14/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<100
SS02	5/14/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS03	5/14/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<100
SS03	5/14/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS04	5/14/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<100
SS04	5/14/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	34.9
SS05	5/14/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS05	5/14/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	269
SS06	5/14/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS06	5/14/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS07	5/14/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS07	5/14/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	22.4
SS08	5/14/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS08	5/14/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS09	5/14/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	212
SS09	5/14/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<200
BH01	5/15/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**3,520**
BH01	5/15/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**16,000**
BH01	5/15/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	14,100
BH01	5/15/2025	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	11,100
BH01	5/15/2025	8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	11,200
BH01	5/21/2025	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	15,600
BH01	5/21/2025	12	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	6,510
BH02	5/15/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**3,640**
BH02	5/15/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**14,000**
BH02	5/15/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	11,500
BH02	5/15/2025	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	11,500
BH02	5/15/2025	8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	12,000
BH02	5/21/2025	9	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	12,200

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TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
Parkway Gathering Leak
Devon Energy Production Company, LP
Eddy County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Reclamation Requirement (NMAC 19.15.29.13.D)			**10**	**50**	**NE**	**NE**	**NE**	**NE**	**100**	**600**
NMOCD Table I Closure Criteria (NMAC 19.15.29)			**10**	**50**	**NE**	**NE**	**NE**	**1,000**	**2,500**	**20,000**
Delineation Soil Samples										
BH03	5/15/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	296
BH03	5/15/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	**6,010**
BH03	5/15/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	10,400
BH03	5/21/2025	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	8,690
BH03	5/21/2025	8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	8,470
BH03	5/21/2025	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	11,500
BH03	5/21/2025	12.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	9,140
BH03	5/22/2025	15	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	10,900
BH03	8/29/2025	16	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	5,850
BH03	8/29/2025	20	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	293
BH03	8/29/2025	21	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	226
BH04	5/15/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<40.0
BH04	5/15/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	105
BH05	5/15/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH05	5/15/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	41.5

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Grey text represents samples that have been excavated

Red *text represents samples that exceed Closure Criteria*

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

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

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

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

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APPENDIX A

Well Record and Log

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION

OSE POD NO. (WELL NO.)	WELL TAG ID NO.	OSE FILE NO(S).
Pod 1		CP-2084

WELL OWNER NAME(S)	PHONE (OPTIONAL)
Devon Energy Production Company, LP	

WELL OWNER MAILING ADDRESS	CITY	STATE	ZIP
5315 Buena Vista Dr.	Carlsbad	NM	88220

WELL LOCATION (FROM GPS)		DEGREES	MINUTES	SECONDS	
	LATITUDE	32	38	44.6784	N
	LONGITUDE	104	6	15.0084	W

* ACCURACY REQUIRED: ONE TENTH OF A SECOND
* DATUM REQUIRED: WGS 84

DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE

S20 T19s R39e

2. DRILLING & CASING INFORMATION

LICENSE NO.	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
WD-1862	James Hawley	H&R Enterprises, LLC

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
8-27-25	8-27-25	105'	105'	N/A

COMPLETED WELL IS: ☐ ARTESIAN *add Centralizer info below ☑ DRY HOLE ☐ SHALLOW (UNCONFINED)

STATIC WATER LEVEL IN COMPLETED WELL (FT): N/A

DATE STATIC MEASURED: 9-2-25

DRILLING FLUID: ☑ AIR ☐ MUD ADDITIVES – SPECIFY:

DRILLING METHOD: ☑ ROTARY ☐ HAMMER ☐ CABLE TOOL ☐ OTHER – SPECIFY:

CHECK HERE IF PITLESS ADAPTER IS INSTALLED ☐

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
0'	105'	6'	No casing left in hole				

3. ANNULAR MATERIAL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL *(if using Centralizers for Artesian wells- indicate the spacing below)	AMOUNT (cubic feet)	METHOD OF PLACEMENT
			N/A		

FOR OSE INTERNAL USE

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

FILE NO.	POD NO.	TRN NO.	
LOCATION		WELL TAG ID NO.	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL

DEPTH (feet bgl) FROM	TO	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)
0'	5'	5'	Sandy Caliche	Y ✓ N	
5'	10'	5'	Sand	Y ✓ N	
10'	15'	5'	Brown Sandy Clay	Y ✓ N	
15'	25'	10'	Sand	Y ✓ N	
25'	70'	45'	Brown Sandy Clay	Y ✓ N	
70'	80'	10'	Sand	Y ✓ N	
80'	90'	10'	Reddish Brown Clay	Y ✓ N	
90'	105'	15'	Sandy Red Clay	Y ✓ N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:

☐ PUMP ☐ AIR LIFT ☐ BAILER ☑ OTHER – SPECIFY: DTGW Bore

TOTAL ESTIMATED WELL YIELD (gpm): 0.00

5. TEST; RIG SUPERVISION

WELL TEST: TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.

MISCELLANEOUS INFORMATION: Depth to groundwater bore was gauged for water on 9-2-25. DTGW bore was dry. Temporary well casing was removed, bore hole was backfilled with drill cutting to 10' BGS. Hydrated bentonite hole plug was poured from 10' BGS to surface. Emerald 20 #11H

PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:

Nathan Smelcer

6. SIGNATURE

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

James Hawley — SIGNATURE OF DRILLER / PRINT SIGNEE NAME

9-8-25 — DATE

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 09/22/2022)

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

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APPENDIX B

NMSLO Cultural Resources Cover Sheet

Stephanie Garcia Richard, Commissioner of Public Lands
State of New Mexico

NMSLO Cultural Resources Cover Sheet Exhibit

NMCRIS Activity Number:
(if applicable)

Exhibit Type (select one)

ARMS Inspection/Review - Summarize the results (select one):

(A) The entire area of potential effect or project area has been previously surveyed to current standards and **no cultural properties** were found within the survey area.
(B) The entire area of potential effect or project area has been previously surveyed to current standards and **cultural properties were found** within the survey area.
(C) The entire area of potential effect or project area has **not** been previously surveyed or **has not been surveyed** to current standards. A complete archaeological survey will be conducted and submitted for review.

Archaeological Survey

Findings:

Negative - No further archaeological review is required.

Positive - Have avoidance and protection measures been devised? Select one:

Comments:

Project Details:

NMSLO Lease Number (if available):

Cultural Resources Consultant:

Project Proponent (Applicant):

Project Title/Description:

Project Location:

County(ies):

PLSS/Section/Township/Range):

For NMSLO Agency Use Only:

NMSLO Lease Number: Acknowledgment-Only:

Lease Analyst:

Date Exhibit Routed to Cultural Resources Office:

No person may alter the wording of the questions or layout of the cover sheet. The completion of this cover sheet by itself does not authorize anyone to engage in new surface disturbing activity before the review and approvals required by the Cultural Properties Protections Rule.

Form Revised 12 22

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APPENDIX B

Environmental Desktop Review

CEHMM
Conservation & Environmental Services
505 North Main Street I Carlsbad, New Mexico 88220-5875
phone: (575)885-3700 I email: info@cehmm.org

ENSOLUM, LLC.

DEVON PARKWAY GATHERING LEAK

DESKTOP ENVIRONMENTAL REVIEW

04/10/2025

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Figure 2: SSPS Overview Map of the Parkway Gathering Leak.....3

SUMMARY

CEHMM conducted a desktop environmental review for Ensolum, LLC for the Devon Energy Corporation, Parkway Gathering Leak (Project) on April 10, 2025. The incident number is nAPP2510026094 and the coordinates are 32.64263, -104.09655. The Project is on New Mexico State lands.

The impacted area is 2,512.93 square feet/.06 acres (See Figure 1). The Project lies in Special Status Plant Species Scheer's beehive cactus (*Coryphantha robustispina* ssp. *scheeri*) potential habitat (See Figure 2). The soil in the Project area consists of residuum weathered from gypsum on areas with uplands and hills. Drainage flow east into a playa 105 meters from the Project.

The Project is in a high karst zone with no known karst features in the area.

MITIGATIONS

An SSPS and Karst surveys will need to conducted to determine the impact of the leak.

Figure 1: Overview Map of the Parkway Gathering Leak

Figure 2: SSPS Overview Map of the Parkway Gathering Leak

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APPENDIX C

Karst Survey Report

Aerial and Geophysical Cave and Karst Investigation: Parkway Gathering

Report Delivered: 07/07/2025

Prepared for:
3122 National Parks HWY
Carlsbad, NM 88220

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

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Executive summary

Introduction

Ensolum, LLC requested an aerial and geophysical karst survey following a release near the Parkway Gathering site, located at 32.64263, -104.09655. The objective of the surveys was to assess the stability of the site by investigating surface and subsurface conditions for the presence of potential karst features.

Findings

- The aerial survey revealed:
    - **Two anomalies** were identified as potential karst features, but field verification determined the anomalies to be the result of low-lying topography and dense vegetation, rather than true karst features.
- The geophysical survey revealed:
    - **No anomalies** interpreted to be areas of increased porosity or air-filled voids.

Recommendations

- **Mitigation Planning:**
    - Any subsurface voids encountered during construction, or any phase of the remediation process must be reported to the Bureau of Land Management Karst Division or the New Mexico State Lands Office Resource Division.
    - Mitigation measures should align with guidelines in the **Bureau of Land Management Cave and Karst Management Handbook (H-8380-1)** or the **Natural Resources Conservation Service Conservation Practice Standard for Karst Sinkhole Treatment (Code 527).**

Conclusions

The aerial karst survey identified two anomalies characterized by relatively sharp elevation changes, initially suggestive of potential surficial karst features. However, subsequent field verification determined these anomalies to be the result of low-lying topography and dense vegetation, rather than true karst expressions. Geophysical surveys did not delineate any subsurface anomalies indicative of air-filled voids, conduits, or zones of elevated porosity. In the absence of both surficial and subsurface karst features, the site is characterized as “stable.”

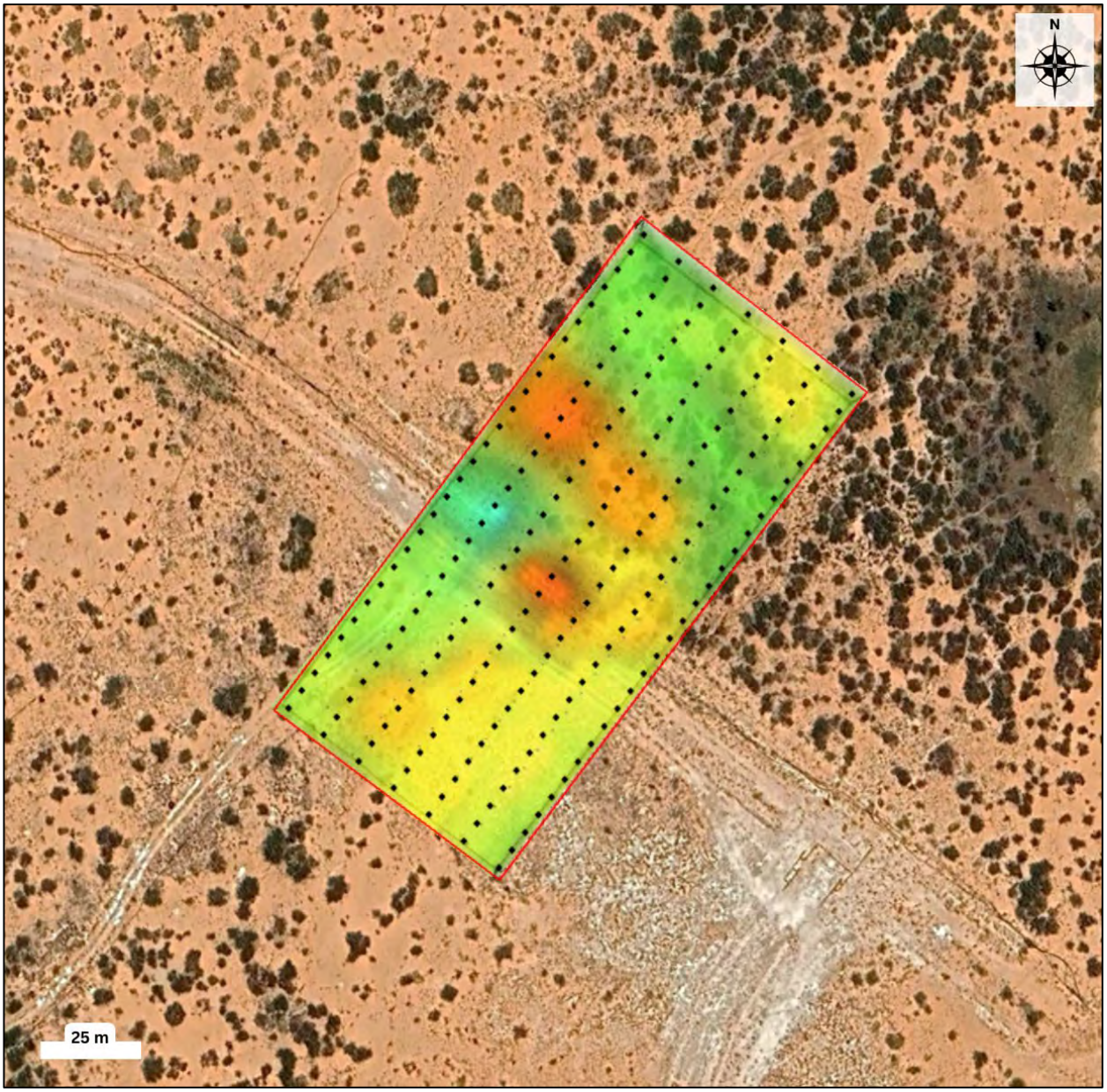

Figure A. Aerial view of the location of the release with integrated geophysical overlay, illustrating the results of the electrical resistivity survey.

1.0 INTRODUCTION

The following report has been prepared for Ensolum, LLC, to determine the presence or absence of surface and subsurface voids surrounding a release near the Parkway Gathering site, located at approximately 32.64263, -104.09655, within Eddy County, New Mexico (**Figure 1**). To delineate the subsurface features, a geophysical survey (electrical resistivity tomography) was conducted, processed, and interpreted by Kaleb Henry of Advanced Geophysics, LLC. The aerial karst survey was conducted and processed by SWCA Environmental Consultants. The aerial data was then reviewed and interpreted by Kaleb Henry of Advanced Geophysics, LLC.

The aerial and electrical resistivity surveys were requested by Ensolum, LLC on May 23, 2025. Upon the request, the client provided coordinates (listed above) for the well pad, as well as a Google Earth shape file (**Output.KMZ)** to ensure the survey encompassed the entire release.

1.1 Summary of Results

The aerial karst survey identified two anomalies exhibiting relatively sharp elevation changes, initially suggestive of surficial karst features. However, field verification confirmed these to be natural topographic depressions combined with dense vegetation, rather than true karst features. The geophysical survey did not detect any subsurface anomalies indicative of air-filled voids or zones of elevated porosity. Although smaller voids, fractures, or areas of increased porosity may be present, they may have gone undetected due to the resolution limitations of the survey. Given the absence of definitive karst features in both the aerial and geophysical surveys, the site is characterized as stable.

1.2 Site Location

The site is located approximately 27.82 kilometers (17.29 miles) northeast of Carlsbad, New Mexico, and approximately 16.48 kilometers (10.24 miles) north of US Highway 62, within the SWSE quarters of Section 20, Township 19 South, Range 29 East, in Eddy County, New Mexico. The release occurred on New Mexico State land.

1.3 Bureau of Land Management Characterization

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

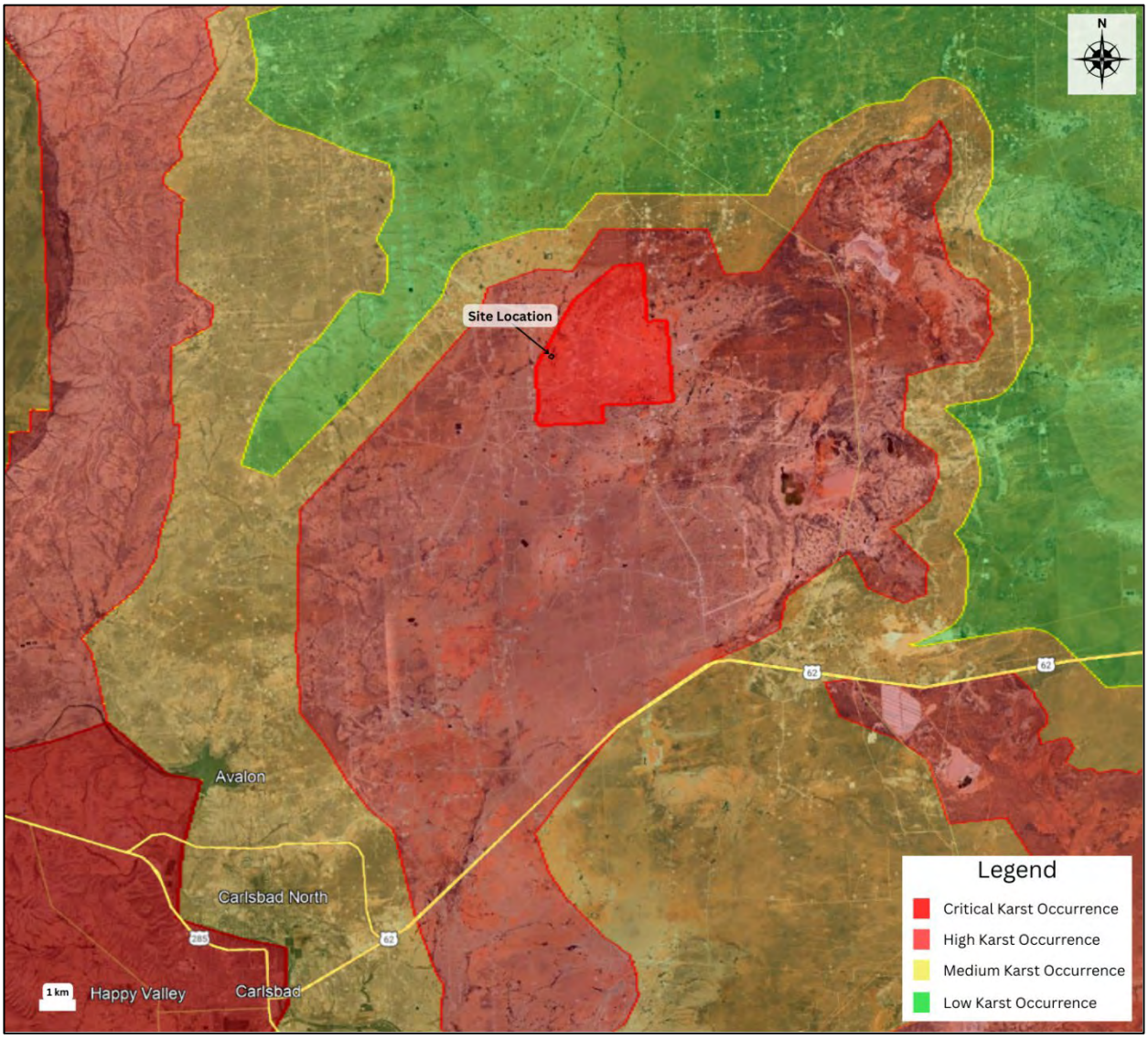

Figure 1. Aerial overview of the site location, illustrating the surrounding karst occurrence zones. Map provided by Google Earth in datum WSG-84. Karst occurrence map provided by Bureau of Land Management – Carlsbad Office.

2.0 LOCAL GEOLOGY AND ENVIRONMENT

2.1 Geologic Setting

The site is situated along the northern edge of the Chihuahuan Desert, on the outskirts of a physiographic region known as the Gypsum Plain (**Figure 2**) [13]. The Gypsum Plain is composed of Permian-age evaporites, characterized by extensive cave and karst development in the Castile, Salado, and Rustler Formations[11]. Stratigraphically, the Rustler Formation overlies the Salado and Castile Formations within the Delaware Basin. The Rustler Formation was deposited during the mid-to-late Ochoan, as the Delaware Basin transitioned from a hypersaline sea to a terrestrial environment[3][6]. This transition led to a complex array of depositional environments, resulting in the formation of five distinct members within the Rustler Formation: Los Medaños, Culebra Dolomite, Tamarisk, Magenta Dolomite, and Forty-niner, listed in ascending order. The Tamarisk and Forty-niner Members, in particular, exhibit the most diverse salt pan to mudflat facies within the Rustler Formation, comprising mudstone, halite, and gypsum[16]. Due to their composition, these facies are highly susceptible to dissolution, leading to the formation of karst features.

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

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

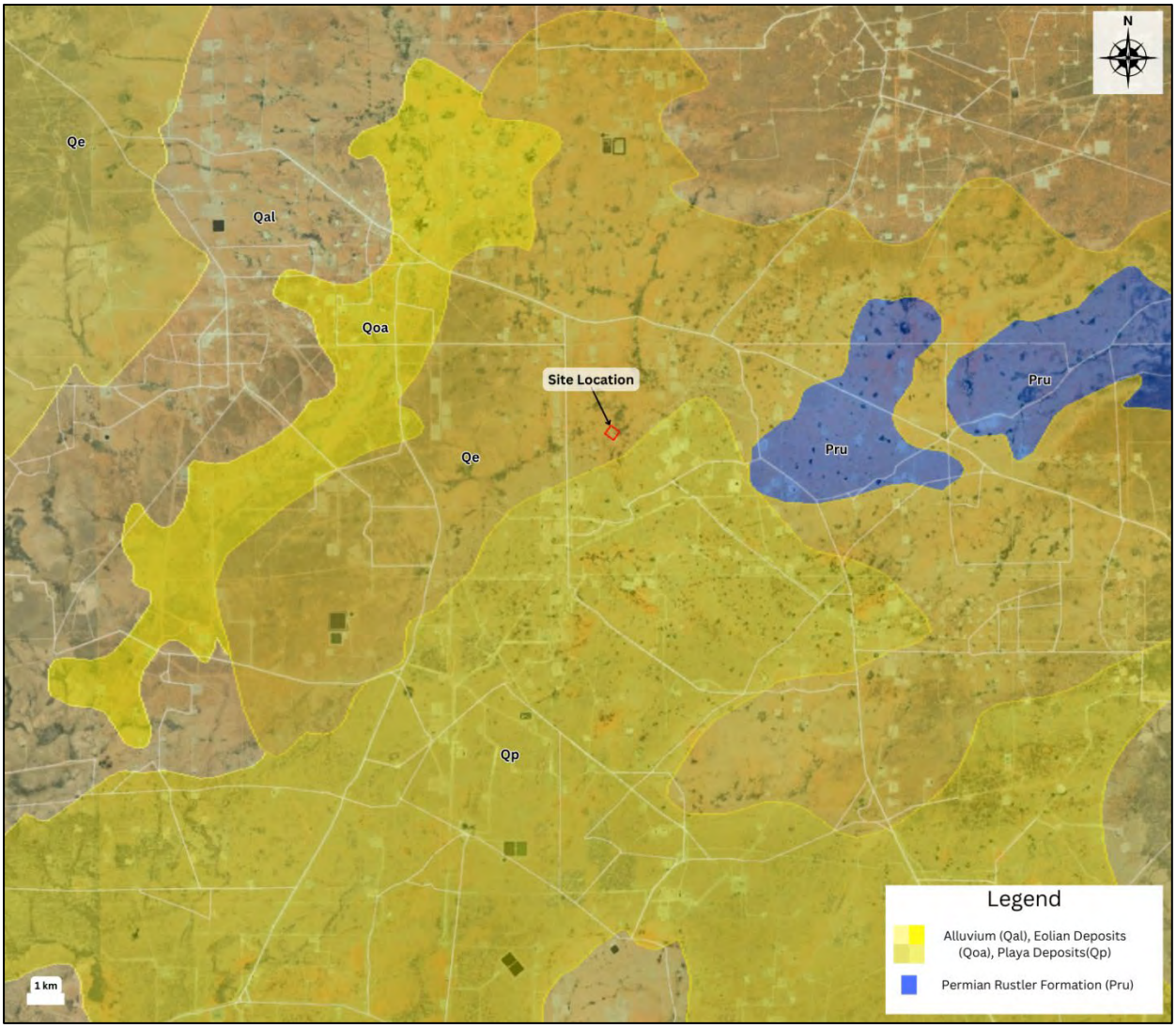

Figure 2. Geologic formations surrounding the site location. Permian Rustler Formation (Pr), Quaternary alluvial, eolian, and playa deposits (Qal, Qoa, Qp). Background image provided by Google Earth in datum WSG-84. Geologic unit overlay provided by the United State Geologic Society (USGS) and the Bureau of Economic Geology, UT-Austin.

2.2 Environmental Setting

The site is located within an area known as the Chihuahuan Desert Thornscrub, where vegetation is sparse. Vegetation surrounding the surveyed location primarily consists of grass with and few creosote bushes. The site is mantled by a soil profile known as the Reeves-Gypsum land complex, which is composed of a loamy gypsiferous material[14]. These soils are highly unstable, due to their increased solubility rates[14].

The environment surrounding the survey has been characterized as an evaporitic karst terrain, due to the underlying geologic formations. The Rustler Formation has many

documented sinkholes, conduits, and caves, which are highly susceptible to enlargement by dissolution as surface water migrates downward through the formation. These conduits can facilitate the rapid recharge of the groundwater aquifers.

3.0 METHODOLOGY

3.1 Description of Geophysical Survey

This project consisted of seven parallel two-dimensional (2-D) direct current (DC) resistivity survey lines. These surveys were conducted using an Advanced Geosciences' Inc. (AGI) SuperSting™ (R8/IP) multi-electrode earth resistivity meter. All seven lines were performed using a dipole-dipole array configuration consisting of 28 electrodes arranged southwest-to-northeast (electrodes 1 to 28), with a 5-meter (16.4 ft) electrode spacing and 10-meter (32.8 ft) line spacing oriented from northwest-to-southeast (lines 1 to 7). This set up was designed to ensure high accuracy and enhanced shallow depth resolution. Due to the electrode spacing and configuration, the near surface resolution is approximately 2.5 meters (8.2 ft), with the total depth of investigation ranging from 32.4 to 37.2 meters (106.2 to 122 ft) below ground surface (bgs). Each electrode location was recorded using an EMLID RS3 GPS unit with an estimated horizontal location error of 5 centimeters (2 in). The KML file (**Parkway Gathering.kml**) and the corresponding raw dataset (**Parkway Gathering_Report.csv**) produced during the data collection were submitted to Ensolum, LLC upon submission of the report.

The electrical contact resistance between the ground and each electrode was maintained below 5,000 Ωm. If initial electrode contact resistance exceeded 5,000 Ωm, then electrodes would be wetted with well water prior to the survey to lower contact resistance below 5,000 Ωm. Each electrical resistivity line was conducted using time estimates of 800 ms and cycled twice per electrode pair. The SuperSting ™ (R8/IP) was set to inject a 2,000 mA current for each survey measurement and was set to reach a maximum error threshold of 2% between measurement cycles. Recorded resistivity measurements were processed with EarthImager™ 2-D/3-D inversion modeling software, produced by AGI. To improve inverted resistivity models, data outliers which account for less than 10% of total data, were removed using data misfit histograms. Terrain correction was incorporated into resistivity sections to better constrain the relationship between topography and electrical resistivity analyses.

The surveyed lines (PARK1.stg – PARK7.stg) were completed by Kaleb Henry and Ralph Reyes between July 4, 2025, and July 5, 2024.

3.2 Description of Aerial Survey

An aerial karst survey near the Parkway Gathering release was conducted by a Federal Aviation Administration (FAA) –licensed drone pilot affiliated with SWCA Environmental Consultants. Survey parameters were developed by Kaleb Henry of Advanced Geophysics to ensure compliance with the stringent requirements established by the Bureau of Land Management – Carlsbad Field Office (BLM-CFO), which are recognized by the New Mexico Oil Conservation Division (NMOCD) and the New Mexico State Land Office (NMSLO).

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

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

3.3 Electrical Resistivity Theory

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

NOTE: Conducting electrical resistivity surveys in areas with known subsurface metallic structures can lead to inaccurate representations of subsurface conditions. Metallic elements tend to create preferential pathways for electrical current, resulting in non-uniform current distributions that may cause inversion algorithms to misinterpret the acquired data. Additionally, these structures can generate shadow zones due to electromagnetic shielding, which impedes current penetration into deeper subsurface layers. Consequently, this may lead to artificially elevated or reduced resistivity values in the final interpretation.

3.3 Survey Results

3.3.1 Aerial Karst Survey

The aerial karst survey identified two anomalies characterized by relatively sharp elevation changes, initially suggestive of potential surficial karst features (**Figure 3**). However, subsequent field verification determined these anomalies to be the result of low-lying topography and dense vegetation, rather than true karst expressions (**Figure 4**).

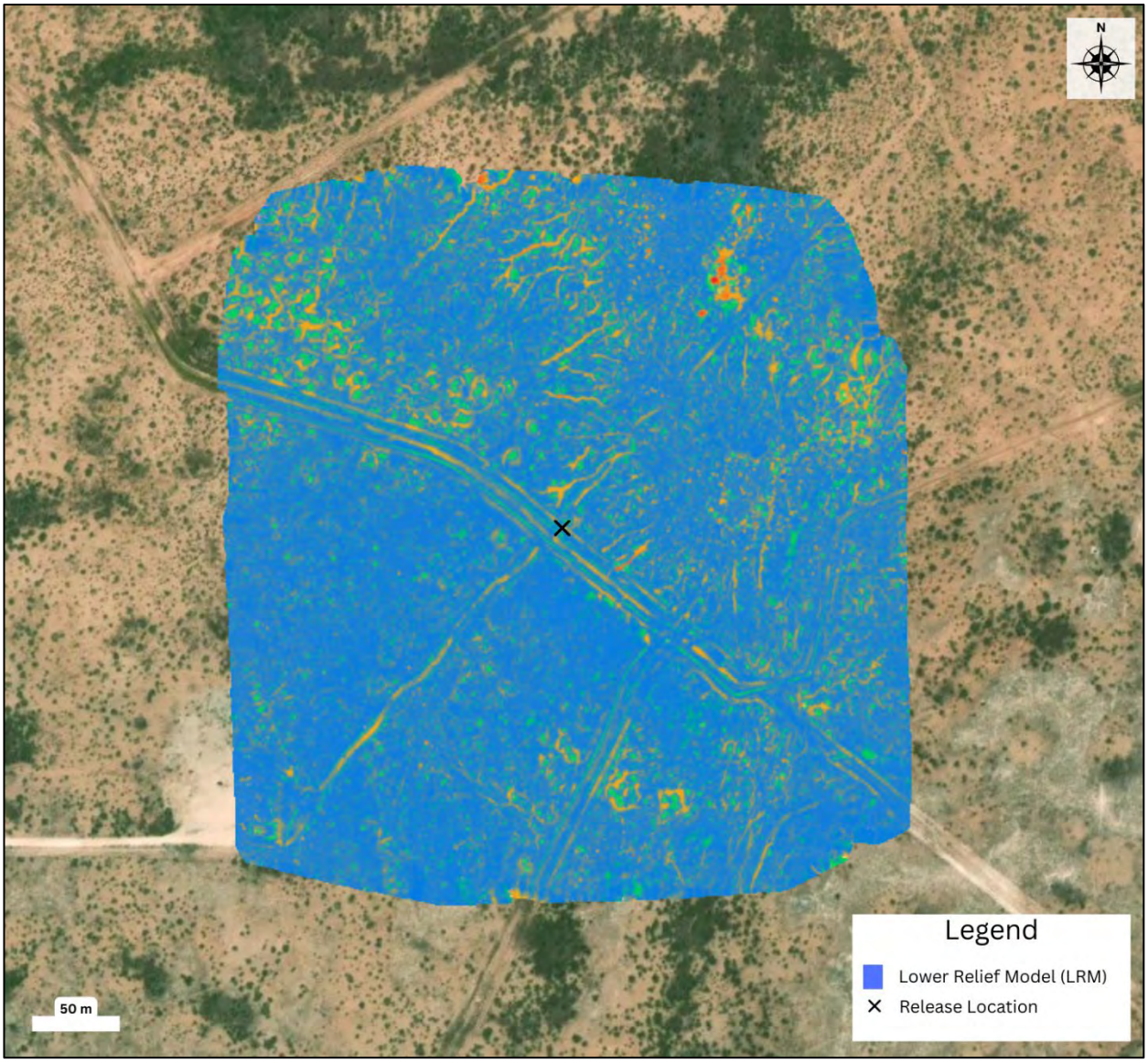

Figure 3. Lower Relief Model (LRM) of the area surrounding the release location near the Parkway Gathering site, delineated by the black X. The blue gradient represents variations in surface elevation, with green indicating areas of higher elevation and orange to red denoting areas of lower elevation.

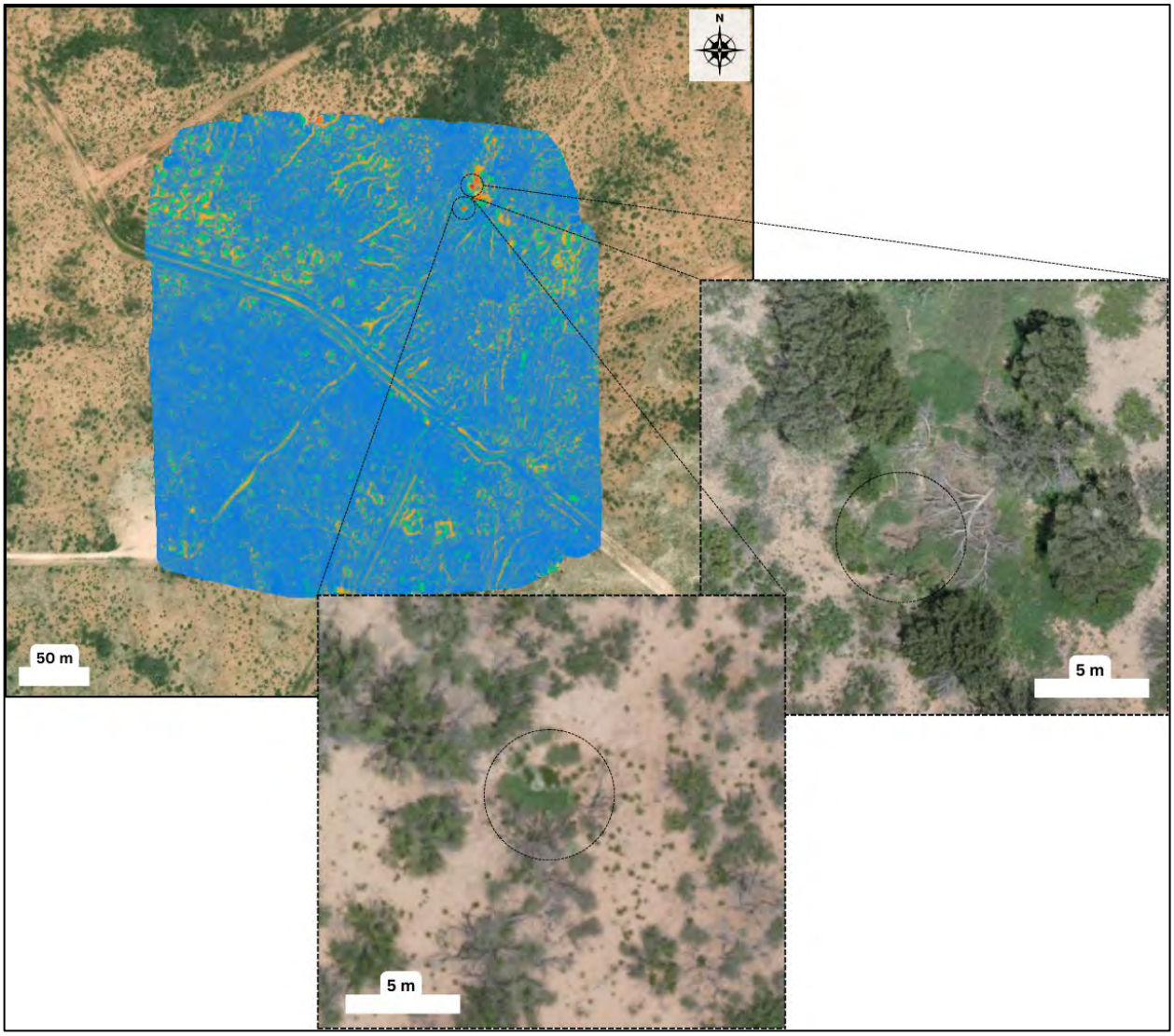

Figure 4. The Lower Relief Model (LRM), in conjunction with orthomosaic imagery, illustrates the anomalies identified during the aerial survey. Field verification confirmed that both anomalies were attributable to low-lying topography and dense vegetation, rather than true surficial karst features.

3.3.2 Geophysical Karst Survey

The geophysical survey did not identify any subsurface anomalies that could be characterized as air-filled voids or areas of increased porosity. However, due to the resolution limitations, smaller fractures and voids/conduits may be present but went undetected.

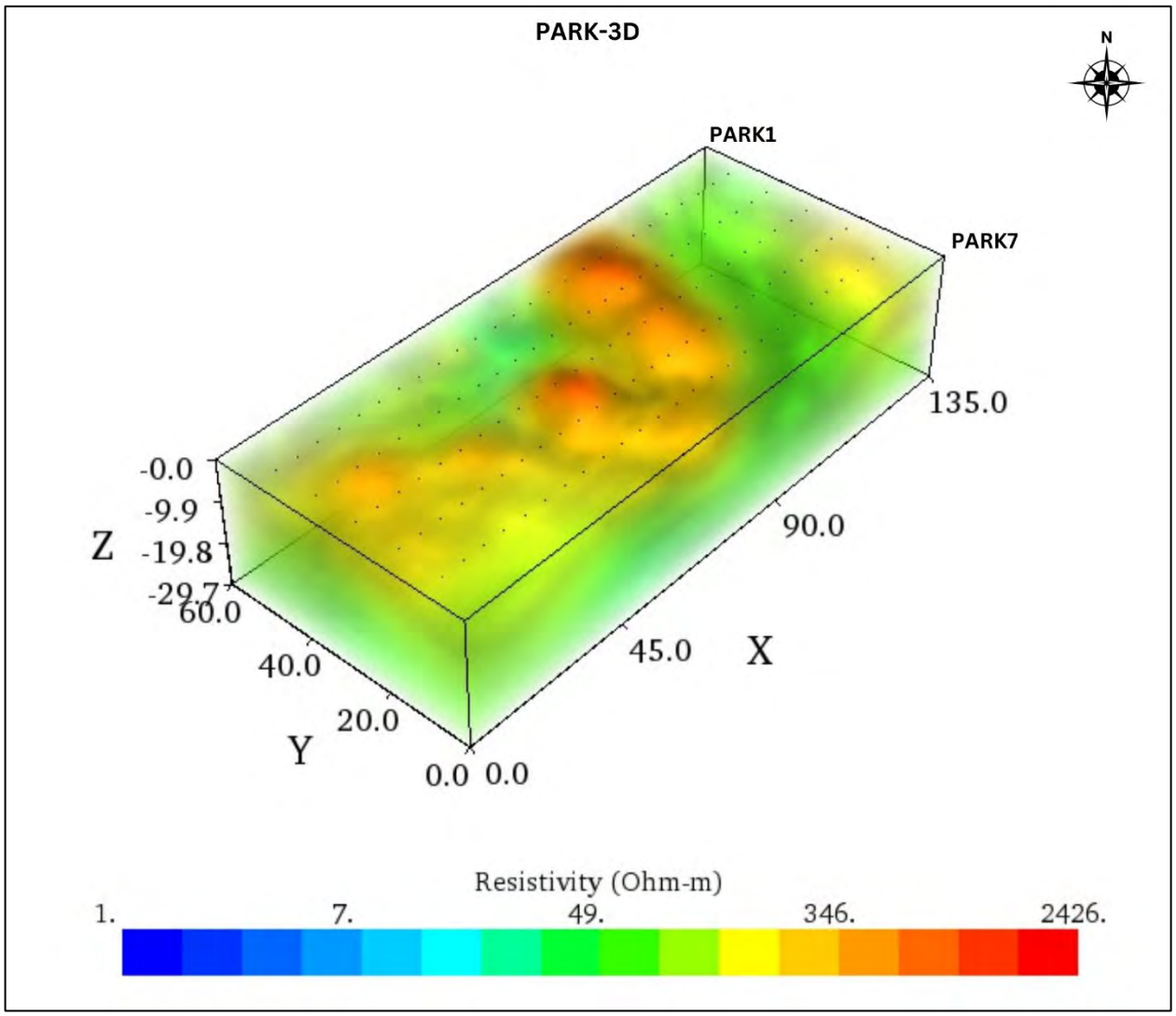

Figure 6. 3-D image of the subsurface surrounding the release near the Parkway Gathering site. This model was created by combining the 2-D resistivity lines PARK1 through PARK7.

4.0 SUMMARY AND RECOMMENDATIONS

An aerial karst survey conducted near the Parkway Gathering site identified two surficial anomalies suggestive of karst features; however, field verification attributed these to natural topographic depressions and dense vegetation. A geophysical survey was also conducted, but revealed no subsurface anomalies indicative of air-filled voids or elevated porosity. Nonetheless, the potential presence of smaller undetected fractures or conduits cannot be excluded due to resolution limitations.

The underlying geologic formation at the surveyed location is highly susceptible to dissolution, which facilitates the rapid development and expansion of subsurface voids and conduits, within a timescale ranging from days to a few months. The progression of these processes can be significantly accelerated in the absence of appropriate mitigation measures. Infrastructure systems that contain or transport fluids pose a heightened risk in such settings. In the event of a structural failure or unnoticed leakage, the unintended introduction of fluids into the subsurface can intensify dissolution processes, potentially triggering rapid subsidence or collapse.

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

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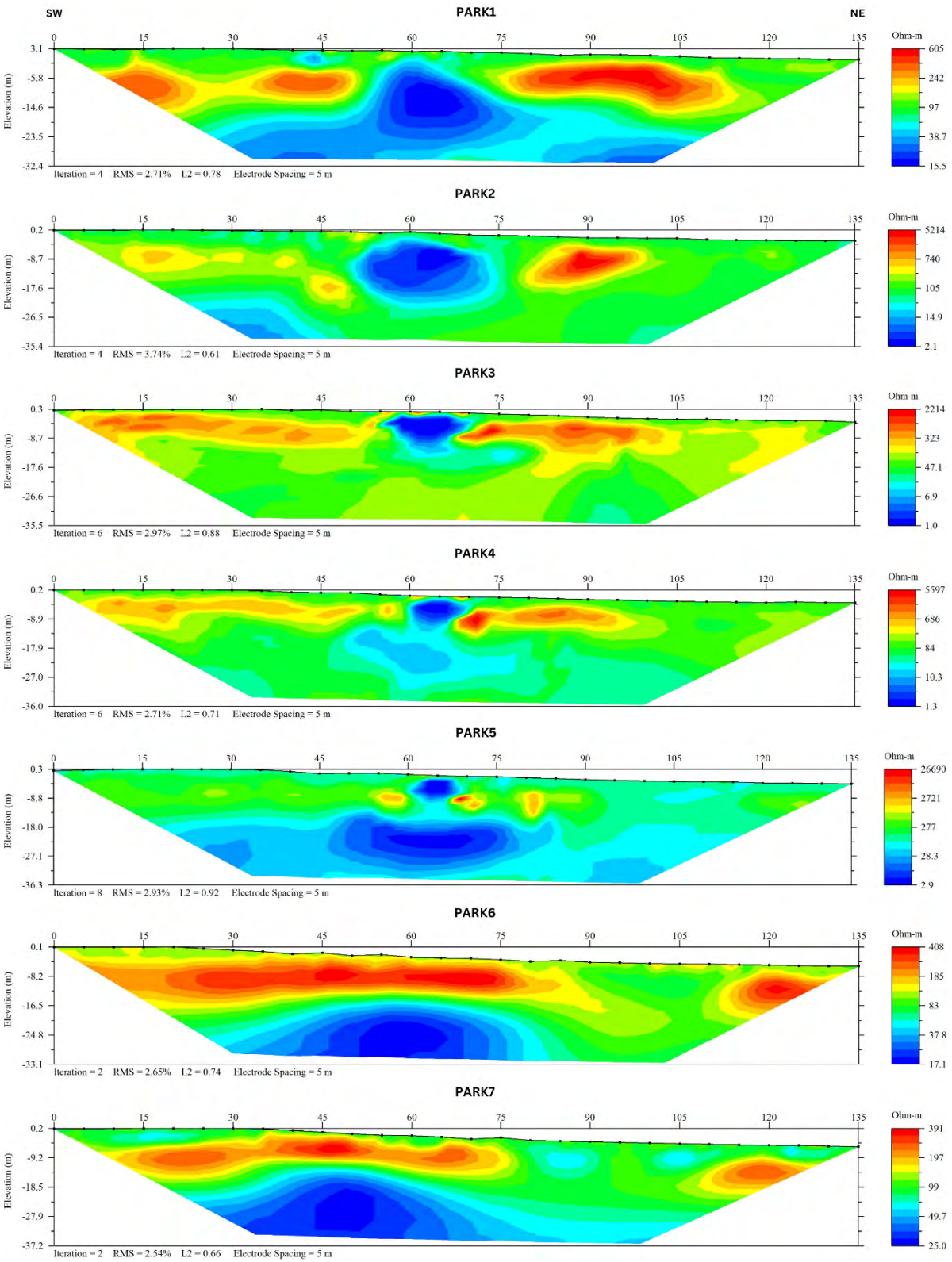
6.0 APPENDICES

6.1 Electrical Resistivity Data

The KML file (**Parkway Gathering.kml**) and the corresponding raw dataset (**Parkway Gathering_Report.csv**), which document the precise locations of all electrodes, are also available upon request. The STG files were processed and modeled using EarthImager™ 2D/3D, provided by AGI. During the modeling process, data outliers which account for less than 10% of total data were removed using data misfit histograms. Terrain correction was incorporated into resistivity sections to better constrain the relationship between topography and electrical resistivity analyses.

The resistivity lines were collected from north-to-south, and the electrodes were oriented from west-to-east. The surveys reached a maximum depth ranging from approximately 32.4 to 37.2 meters (106.2 to 122 ft). Due to the resolution limitations, small fractures and voids/conduits may be present but went undetected.

6.2 Electrical Resistivity Images



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APPENDIX D

Lithologic Soil Sampling Logs

ENSOLUM

	Sample Name: BH01	Date: 5/15/2025
	Site Name: Parkway Gathering Leak	
	Incident Number: nAPP2510026094	
	Job Number: 03A1987172	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: JH/ US	Method: Hand Auger
Coordinates: 32.642623, -104.096522	Hole Diameter: 3"	Total Depth: 12'

Comments: Field screening conducted with HACH Chloride Test Strips chloride. Chloride test performed with 1:4 dilution factor of soil to distilled water. 40% 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	BH01	0	0	CCHE	(0-1') CALICHE with gravel and light brown sand with silt fine to medium grain.
M			N	BH01	1	1		
M	17,645		N	BH01	2	2	CCHE	(2-5') CALICHE, light tan, fine to medium grain, small to medium sized gravel.
M			N			3		
M	14,929		N	BH01	4	4		
M			N			5		
M	14,929		N	BH01	6	6	SP-SM	(6-8') SAND with silt, brown, fine to medium grain, small gravel and gypsum.
M			N			7		
M	14,929		N	BH01	8	8		
D	14,929		N		9	9		
D	6,787		N	BH01	11	11		
D			N	BH01	12	12		

Refusal @ 12 feet bgs

ENSOLUM

	Sample Name: BH02	Date: 5/15/2025
	Site Name: Parkway Gathering Leak	
	Incident Number: nAPP2510026094	
	Job Number: 03A1987172	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: JH/ US	Method: Hand Auger
Coordinates: 32.642606, -104.096420	Hole Diameter: 3"	Total Depth: 9'

Comments: Field screening conducted with HACH Chloride Test Strips chloride. Chloride test performed with 1:4 dilution factor of soil to distilled water. 40% correction factors included.

Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
M			Y	BH02	0	0		
M			N	BH02	1	1		
M	13,770		N	BH02		2	CCHE	(0-3') CALICHE with sand, light tan, fine grain, small to medium sized gravel.
M			N			3		
M	12,712		N	BH02		4		
M			N			5		
M			N	BH02		6	SP-SM	(4-8') SAND with silt, light brown, fine grain, caliche with gravel, small to medium gravel, has gypsum.
M			N			7		
M	12,712		N	BH02		8		
M			N	BH02		9		

Refusal @ 9 feet bgs

ENSOLUM

	Sample Name: BH03	Date: 5/15/25
	Site Name: Parkway Gathering Leak	
	Incident Number: nAPP2510026094	
	Job Number: 03A1987172	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: JH/ US	Method: Hand Auger
Coordinates: 32.642534, -104.096284	Hole Diameter: 3" to 6"	Total Depth: 21'

Comments: Field screening conducted with HACH Chloride Test Strips for chloride. Chloride test performed with 1:4 dilution factor of soil to distilled water. 40% correction factors included. Hand Auger refusal at 15' bgs. Air rotary drill used for 16-21' bgs.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D			Y	BH03	0	0	SP-SM	SAND with silt, dark brown, fine grain with small gravel.
D			N	BH03	1	1	SP-SM	(1-2') SAND with silt, light brown, fine grain.
D	7347		N	BH03	2	2		
D			N			3	CCHE	CALICHE, tan, with light brown sand, fine grain with small gravel.
D	12,712		N	BH03	4	4		
D	10,864		N	BH03	7	7		
D	10,864		N	BH03	9	9		
D	12,712		N	BH03	12	12		
D	10,052		N	BH03	13	13		
D	10,052		N	BH03	14	14		
D	12,712		N	BH03	15	15		
D	8,422		N	BH03	16	16	SP-SM	SILTY Sand, brown, fine grain, non-cohesive and poorly graded.
D	20,070		N	BH03	18	18	SW-SM	(18-20') Silty sand, brown, fine-medium grain, non-cohesive, well graded.

ENSOLUM

	Sample Name: BH03	Date: 5/15/25
	Site Name: Parkway Gathering Leak	
	Incident Number: nAPP2510026094	
	Job Number: 03A1987172	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: JH/ US	Method: Hand Auger
Coordinates: 32.642534, -104.096284	Hole Diameter: 3" to 6"	Total Depth: 21'

Comments: Field screening conducted with HACH Chloride Test Strips for chloride. Chloride test performed with 1:4 dilution factor of soil to distilled water. 40% correction factors included. Hand Auger refusal at 15' bgs. Air rotary drill used for 16-21' bgs.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D	526.4		Y	BH03	20	20	SW-SM	(18-20') Silty sand, brown, fine-medium grain, non-cohesive, well graded.
D	229.6		N	BH03	21	21	SP-SM	SILTY sand, tan, fine-medium grain, non-cohesive, poorly graded.
Total Depth @ 21 feet bgs								

ENSOLUM

	Sample Name: BH04	Date: 5/15/2025
	Site Name: Parkway Gathering Leak	
	Incident Number: nAPP2510026094	
	Job Number: 03A1987172	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: JH/ US	Method: Hand Auger
Coordinates: 32.642737, -104.096399	Hole Diameter: 3"	Total Depth: 2'

Comments: Field screening conducted with HACH Chloride Test Strips chloride. Chloride test performed with 1:4 dilution factor of soil to distilled water. 40% 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	BH04	0	0	SP-SM	SAND with silt, brown, fine grain
D	207		N	BH04	1	1	CCHE	(1-2') CALICHE, tan, fine grain, with small gravel.
D	ND		N			2		
Total Depth @ 2 feet bgs								

ENSOLUM

	Sample Name: BH05	Date: 5/15/2025
	Site Name: Parkway Gathering Leak	
	Incident Number: nAPP2510026094	
	Job Number: 03A1987172	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: JH/ US	Method: Hand Auger
Coordinates: 32.642889, -104.096238	Hole Diameter: 3"	Total Depth: 2'

Comments: Field screening conducted with HACH Chloride Test Strips chloride. Chloride test performed with 1:4 dilution factor of soil to distilled water. 40% 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	BH05	0	0	SP-SM	(0-1') SAND with silt, brown, fine grain.
D	537		N	BH05	1	1		
D	ND		N	BH05	2	2	SP-SM	SAND with silt, light brown, fine grain.
Total Depth @ 2 feet bgs								

ENSOLUM

APPENDIX E

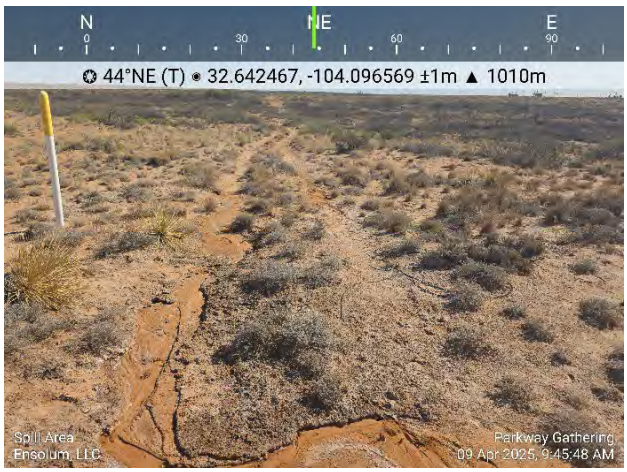
Photographic Log

ENSOLUM

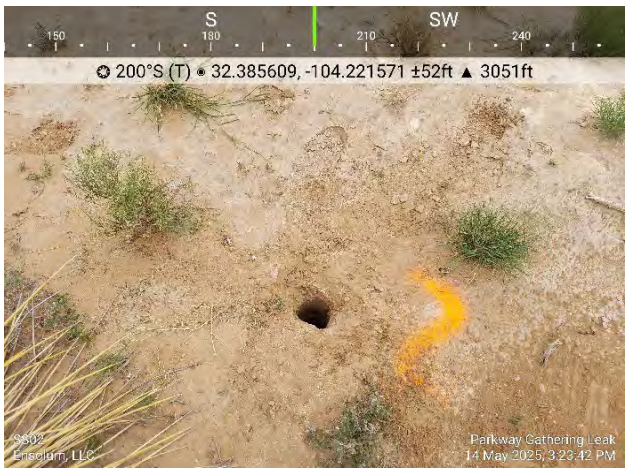
Photographic Log
Devon Energy Production Company, LP
Parkway Gathering Leak
nAPP2510026094

Photograph 1 Date: 4/9/2025
Description: Spill Area
View: North

Photograph 2 Date: 4/9/2025
Description: Spill area
View: Southeast



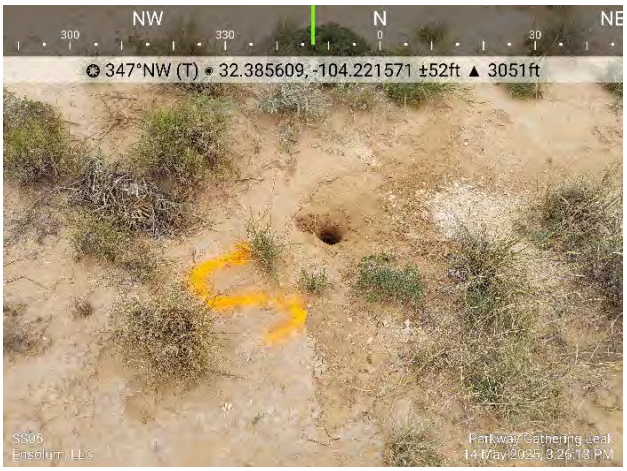
Photograph 3 Date: 4/9/2025
Description: Spill Area
View: Northeast



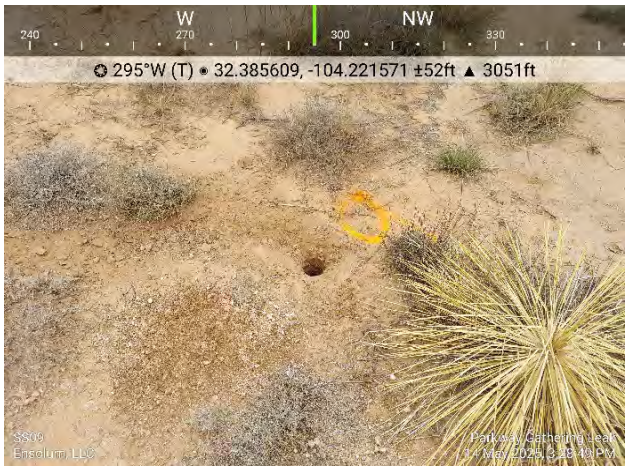
Photograph 4 Date: 5/14/2025
Description: SS02
View: South

ENSOLUM

Photographic Log
Devon Energy Production Company, LP
Parkway Gathering Leak
nAPP2510026094



Photograph 5 Date: 5/14/2025
Description: SS05
View: North



Photograph 6 Date: 5/14/2025
Description: SS09
View: Northwest

Photograph 7 Date: 5/15/2025
Description: Delineation
View: Southeast

Photograph 8 Date: 5/15/2025
Description: Delineation
View: Northeast

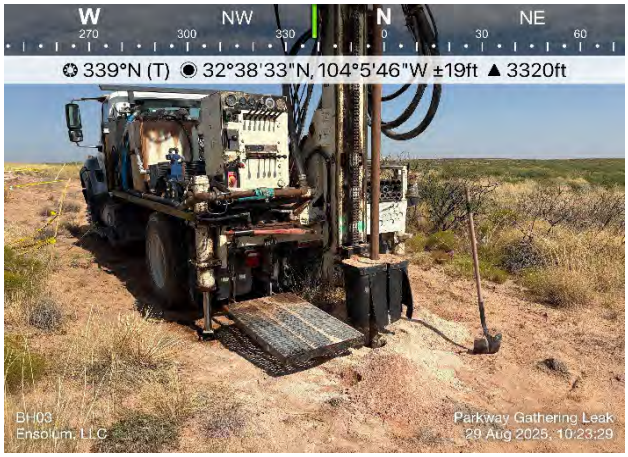
ENSOLUM

Photographic Log
Devon Energy Production Company, LP
Parkway Gathering Leak
nAPP2510026094

Photograph 9 Date: 5/21/2025
Description: Delineation
View: South

Photograph 10 Date: 5/21/2025
Description: Delineation
View: South

Photograph 11 Date: 5/22/2025
Description: Delineation
View: Northwest



Photograph 12 Date: 8/29/2025
Description: Delineation
View: Northwest

ENSOLUM

APPENDIX F

Laboratory Analytical Reports & Chain-of-Custody Documentation

Report to:

Ashley Giovengo

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name:	Parkway Gathering Leak
Work Order:	E505178
Job Number:	01058-0007
Received:	5/16/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
5/22/25

Date Reported: 5/22/25

Ashley Giovengo
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Parkway Gathering Leak
Workorder: E505178
Date Received: 5/16/2025 8:30:22AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/16/2025 8:30:22AM, under the Project Name: Parkway Gathering Leak.

The analytical test results summarized in this report with the Project Name: Parkway Gathering Leak 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 reguarding 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	Project Name:	Parkway Gathering Leak	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	05/22/25 13:13

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS01-0'	E505178-01A	Soil	05/14/25	05/16/25	Glass Jar, 2 oz.
SS01-1'	E505178-02A	Soil	05/14/25	05/16/25	Glass Jar, 2 oz.
SS02-0'	E505178-03A	Soil	05/14/25	05/16/25	Glass Jar, 2 oz.
SS02-1'	E505178-04A	Soil	05/14/25	05/16/25	Glass Jar, 2 oz.
SS03-0'	E505178-05A	Soil	05/14/25	05/16/25	Glass Jar, 2 oz.
SS03-1'	E505178-06A	Soil	05/14/25	05/16/25	Glass Jar, 2 oz.
SS04-0'	E505178-07A	Soil	05/14/25	05/16/25	Glass Jar, 2 oz.
SS04-1'	E505178-08A	Soil	05/14/25	05/16/25	Glass Jar, 2 oz.
SS05-0'	E505178-09A	Soil	05/14/25	05/16/25	Glass Jar, 2 oz.
SS05-1'	E505178-10A	Soil	05/14/25	05/16/25	Glass Jar, 2 oz.
SS06-0'	E505178-11A	Soil	05/14/25	05/16/25	Glass Jar, 2 oz.
SS06-1'	E505178-12A	Soil	05/14/25	05/16/25	Glass Jar, 2 oz.
SS07-0'	E505178-13A	Soil	05/14/25	05/16/25	Glass Jar, 2 oz.
SS07-1'	E505178-14A	Soil	05/14/25	05/16/25	Glass Jar, 2 oz.
SS08-0'	E505178-15A	Soil	05/14/25	05/16/25	Glass Jar, 2 oz.
SS08-1'	E505178-16A	Soil	05/14/25	05/16/25	Glass Jar, 2 oz.
SS09-0'	E505178-17A	Soil	05/14/25	05/16/25	Glass Jar, 2 oz.
SS09-1'	E505178-18A	Soil	05/14/25	05/16/25	Glass Jar, 2 oz.

Sample Data

Devon Energy - Carlsbad	Project Name:	Parkway Gathering Leak	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	5/22/2025 1:13:30PM

SS01-0'

E505178-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2520113
Benzene	ND	0.0250	1	05/16/25	05/20/25	
Ethylbenzene	ND	0.0250	1	05/16/25	05/20/25	
Toluene	ND	0.0250	1	05/16/25	05/20/25	
o-Xylene	ND	0.0250	1	05/16/25	05/20/25	
p,m-Xylene	ND	0.0500	1	05/16/25	05/20/25	
Total Xylenes	ND	0.0250	1	05/16/25	05/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*89.5 %*	*70-130*	*05/16/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2520113
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/16/25	05/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.5 %*	*70-130*	*05/16/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2520149
Diesel Range Organics (C10-C28)	ND	25.0	1	05/16/25	05/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/16/25	05/19/25	
Surrogate: n-Nonane		*122 %*	*61-141*	*05/16/25*	*05/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2521003
Chloride	ND	100	5	05/19/25	05/19/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Parkway Gathering Leak	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	5/22/2025 1:13:30PM

SS01-1'

E505178-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2520113
Benzene	ND	0.0250	1	05/16/25	05/20/25	
Ethylbenzene	ND	0.0250	1	05/16/25	05/20/25	
Toluene	ND	0.0250	1	05/16/25	05/20/25	
o-Xylene	ND	0.0250	1	05/16/25	05/20/25	
p,m-Xylene	ND	0.0500	1	05/16/25	05/20/25	
Total Xylenes	ND	0.0250	1	05/16/25	05/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*90.7 %*	*70-130*	*05/16/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2520113
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/16/25	05/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.8 %*	*70-130*	*05/16/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2520149
Diesel Range Organics (C10-C28)	ND	25.0	1	05/16/25	05/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/16/25	05/19/25	
Surrogate: n-Nonane		*120 %*	*61-141*	*05/16/25*	*05/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2521003
Chloride	ND	200	10	05/19/25	05/19/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Parkway Gathering Leak	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	5/22/2025 1:13:30PM

SS02-0'

E505178-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2520113
Benzene	ND	0.0250	1	05/16/25	05/20/25	
Ethylbenzene	ND	0.0250	1	05/16/25	05/20/25	
Toluene	ND	0.0250	1	05/16/25	05/20/25	
o-Xylene	ND	0.0250	1	05/16/25	05/20/25	
p,m-Xylene	ND	0.0500	1	05/16/25	05/20/25	
Total Xylenes	ND	0.0250	1	05/16/25	05/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*92.0 %*	*70-130*	*05/16/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2520113
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/16/25	05/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.2 %*	*70-130*	*05/16/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2520149
Diesel Range Organics (C10-C28)	ND	25.0	1	05/16/25	05/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/16/25	05/19/25	
Surrogate: n-Nonane		*119 %*	*61-141*	*05/16/25*	*05/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2521003
Chloride	ND	100	5	05/19/25	05/19/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Parkway Gathering Leak	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	5/22/2025 1:13:30PM

SS02-1'

E505178-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2520113
Benzene	ND	0.0250	1	05/16/25	05/20/25	
Ethylbenzene	ND	0.0250	1	05/16/25	05/20/25	
Toluene	ND	0.0250	1	05/16/25	05/20/25	
o-Xylene	ND	0.0250	1	05/16/25	05/20/25	
p,m-Xylene	ND	0.0500	1	05/16/25	05/20/25	
Total Xylenes	ND	0.0250	1	05/16/25	05/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*91.9 %*	*70-130*	*05/16/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2520113
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/16/25	05/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.1 %*	*70-130*	*05/16/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2520149
Diesel Range Organics (C10-C28)	ND	25.0	1	05/16/25	05/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/16/25	05/19/25	
Surrogate: n-Nonane		*119 %*	*61-141*	*05/16/25*	*05/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2521003
Chloride	ND	20.0	1	05/19/25	05/19/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Parkway Gathering Leak	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	5/22/2025 1:13:30PM

SS03-0'

E505178-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2520113
Benzene	ND	0.0250	1	05/16/25	05/20/25	
Ethylbenzene	ND	0.0250	1	05/16/25	05/20/25	
Toluene	ND	0.0250	1	05/16/25	05/20/25	
o-Xylene	ND	0.0250	1	05/16/25	05/20/25	
p,m-Xylene	ND	0.0500	1	05/16/25	05/20/25	
Total Xylenes	ND	0.0250	1	05/16/25	05/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*92.2 %*	*70-130*	*05/16/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2520113
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/16/25	05/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.8 %*	*70-130*	*05/16/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2520149
Diesel Range Organics (C10-C28)	ND	25.0	1	05/16/25	05/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/16/25	05/19/25	
Surrogate: n-Nonane		*118 %*	*61-141*	*05/16/25*	*05/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2521003
Chloride	ND	100	5	05/19/25	05/19/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Parkway Gathering Leak	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	5/22/2025 1:13:30PM

SS03-1'

E505178-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2520113
Benzene	ND	0.0250	1	05/16/25	05/20/25	
Ethylbenzene	ND	0.0250	1	05/16/25	05/20/25	
Toluene	ND	0.0250	1	05/16/25	05/20/25	
o-Xylene	ND	0.0250	1	05/16/25	05/20/25	
p,m-Xylene	ND	0.0500	1	05/16/25	05/20/25	
Total Xylenes	ND	0.0250	1	05/16/25	05/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*92.7 %*	*70-130*	*05/16/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2520113
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/16/25	05/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.0 %*	*70-130*	*05/16/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2520149
Diesel Range Organics (C10-C28)	ND	25.0	1	05/16/25	05/19/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/16/25	05/19/25	
Surrogate: n-Nonane		*116 %*	*61-141*	*05/16/25*	*05/19/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2521003
Chloride	ND	20.0	1	05/19/25	05/19/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Parkway Gathering Leak	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	5/22/2025 1:13:30PM

SS04-0'

E505178-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2520113
Benzene	ND	0.0250	1	05/16/25	05/20/25	
Ethylbenzene	ND	0.0250	1	05/16/25	05/20/25	
Toluene	ND	0.0250	1	05/16/25	05/20/25	
o-Xylene	ND	0.0250	1	05/16/25	05/20/25	
p,m-Xylene	ND	0.0500	1	05/16/25	05/20/25	
Total Xylenes	ND	0.0250	1	05/16/25	05/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*92.6 %*	*70-130*	*05/16/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2520113
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/16/25	05/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.8 %*	*70-130*	*05/16/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2520149
Diesel Range Organics (C10-C28)	ND	25.0	1	05/16/25	05/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/16/25	05/20/25	
Surrogate: n-Nonane		*118 %*	*61-141*	*05/16/25*	*05/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2521003
Chloride	ND	100	5	05/19/25	05/19/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Parkway Gathering Leak	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	5/22/2025 1:13:30PM

SS04-1'

E505178-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2520113
Benzene	ND	0.0250	1	05/16/25	05/20/25	
Ethylbenzene	ND	0.0250	1	05/16/25	05/20/25	
Toluene	ND	0.0250	1	05/16/25	05/20/25	
o-Xylene	ND	0.0250	1	05/16/25	05/20/25	
p,m-Xylene	ND	0.0500	1	05/16/25	05/20/25	
Total Xylenes	ND	0.0250	1	05/16/25	05/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*93.1 %*	*70-130*	*05/16/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2520113
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/16/25	05/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.8 %*	*70-130*	*05/16/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2520149
Diesel Range Organics (C10-C28)	ND	25.0	1	05/16/25	05/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/16/25	05/20/25	
Surrogate: n-Nonane		*119 %*	*61-141*	*05/16/25*	*05/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2521003
Chloride	**34.9**	20.0	1	05/19/25	05/19/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Parkway Gathering Leak	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	5/22/2025 1:13:30PM

SS05-0'

E505178-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2520113
Benzene	ND	0.0250	1	05/16/25	05/20/25	
Ethylbenzene	ND	0.0250	1	05/16/25	05/20/25	
Toluene	ND	0.0250	1	05/16/25	05/20/25	
o-Xylene	ND	0.0250	1	05/16/25	05/20/25	
p,m-Xylene	ND	0.0500	1	05/16/25	05/20/25	
Total Xylenes	ND	0.0250	1	05/16/25	05/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*92.8 %*	*70-130*	*05/16/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2520113
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/16/25	05/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.7 %*	*70-130*	*05/16/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2520149
Diesel Range Organics (C10-C28)	ND	25.0	1	05/16/25	05/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/16/25	05/20/25	
Surrogate: n-Nonane		*118 %*	*61-141*	*05/16/25*	*05/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2521003
Chloride	ND	20.0	1	05/19/25	05/19/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Parkway Gathering Leak	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	5/22/2025 1:13:30PM

SS05-1'

E505178-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2520113
Benzene	ND	0.0250	1	05/16/25	05/20/25	
Ethylbenzene	ND	0.0250	1	05/16/25	05/20/25	
Toluene	ND	0.0250	1	05/16/25	05/20/25	
o-Xylene	ND	0.0250	1	05/16/25	05/20/25	
p,m-Xylene	ND	0.0500	1	05/16/25	05/20/25	
Total Xylenes	ND	0.0250	1	05/16/25	05/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*92.8 %*	*70-130*	*05/16/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2520113
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/16/25	05/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.1 %*	*70-130*	*05/16/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2520149
Diesel Range Organics (C10-C28)	ND	25.0	1	05/16/25	05/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/16/25	05/20/25	
Surrogate: n-Nonane		*133 %*	*61-141*	*05/16/25*	*05/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2521003
Chloride	**269**	100	5	05/19/25	05/19/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Parkway Gathering Leak	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	5/22/2025 1:13:30PM

SS06-0'

E505178-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2520113
Benzene	ND	0.0250	1	05/16/25	05/19/25	
Ethylbenzene	ND	0.0250	1	05/16/25	05/19/25	
Toluene	ND	0.0250	1	05/16/25	05/19/25	
o-Xylene	ND	0.0250	1	05/16/25	05/19/25	
p,m-Xylene	ND	0.0500	1	05/16/25	05/19/25	
Total Xylenes	ND	0.0250	1	05/16/25	05/19/25	
Surrogate: 4-Bromochlorobenzene-PID		*91.4 %*	*70-130*	*05/16/25*	*05/19/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2520113
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/16/25	05/19/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.8 %*	*70-130*	*05/16/25*	*05/19/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2520149
Diesel Range Organics (C10-C28)	ND	25.0	1	05/16/25	05/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/16/25	05/20/25	
Surrogate: n-Nonane		*115 %*	*61-141*	*05/16/25*	*05/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2521003
Chloride	ND	20.0	1	05/19/25	05/19/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Parkway Gathering Leak	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	5/22/2025 1:13:30PM

SS06-1'

E505178-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2520113
Benzene	ND	0.0250	1	05/16/25	05/20/25	
Ethylbenzene	ND	0.0250	1	05/16/25	05/20/25	
Toluene	ND	0.0250	1	05/16/25	05/20/25	
o-Xylene	ND	0.0250	1	05/16/25	05/20/25	
p,m-Xylene	ND	0.0500	1	05/16/25	05/20/25	
Total Xylenes	ND	0.0250	1	05/16/25	05/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*92.9 %*	*70-130*	*05/16/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2520113
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/16/25	05/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.8 %*	*70-130*	*05/16/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2520149
Diesel Range Organics (C10-C28)	ND	25.0	1	05/16/25	05/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/16/25	05/20/25	
Surrogate: n-Nonane		*115 %*	*61-141*	*05/16/25*	*05/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2521003
Chloride	ND	20.0	1	05/19/25	05/19/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Parkway Gathering Leak	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	5/22/2025 1:13:30PM

SS07-0'

E505178-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2520113
Benzene	ND	0.0250	1	05/16/25	05/20/25	
Ethylbenzene	ND	0.0250	1	05/16/25	05/20/25	
Toluene	ND	0.0250	1	05/16/25	05/20/25	
o-Xylene	ND	0.0250	1	05/16/25	05/20/25	
p,m-Xylene	ND	0.0500	1	05/16/25	05/20/25	
Total Xylenes	ND	0.0250	1	05/16/25	05/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*91.4 %*	*70-130*	*05/16/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2520113
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/16/25	05/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.9 %*	*70-130*	*05/16/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2520149
Diesel Range Organics (C10-C28)	ND	25.0	1	05/16/25	05/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/16/25	05/20/25	
Surrogate: n-Nonane		*119 %*	*61-141*	*05/16/25*	*05/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2521003
Chloride	ND	20.0	1	05/19/25	05/19/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Parkway Gathering Leak	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	5/22/2025 1:13:30PM

SS07-1'

E505178-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2520113
Benzene	ND	0.0250	1	05/16/25	05/20/25	
Ethylbenzene	ND	0.0250	1	05/16/25	05/20/25	
Toluene	ND	0.0250	1	05/16/25	05/20/25	
o-Xylene	ND	0.0250	1	05/16/25	05/20/25	
p,m-Xylene	ND	0.0500	1	05/16/25	05/20/25	
Total Xylenes	ND	0.0250	1	05/16/25	05/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*91.0 %*	*70-130*	*05/16/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2520113
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/16/25	05/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.9 %*	*70-130*	*05/16/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2520149
Diesel Range Organics (C10-C28)	ND	25.0	1	05/16/25	05/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/16/25	05/20/25	
Surrogate: n-Nonane		*115 %*	*61-141*	*05/16/25*	*05/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2521003
Chloride	**22.4**	20.0	1	05/19/25	05/19/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Parkway Gathering Leak	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	5/22/2025 1:13:30PM

SS08-0'

E505178-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2520113
Benzene	ND	0.0250	1	05/16/25	05/20/25	
Ethylbenzene	ND	0.0250	1	05/16/25	05/20/25	
Toluene	ND	0.0250	1	05/16/25	05/20/25	
o-Xylene	ND	0.0250	1	05/16/25	05/20/25	
p,m-Xylene	ND	0.0500	1	05/16/25	05/20/25	
Total Xylenes	ND	0.0250	1	05/16/25	05/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*92.8 %*	*70-130*	*05/16/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2520113
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/16/25	05/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.3 %*	*70-130*	*05/16/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2520149
Diesel Range Organics (C10-C28)	ND	25.0	1	05/16/25	05/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/16/25	05/20/25	
Surrogate: n-Nonane		*114 %*	*61-141*	*05/16/25*	*05/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2521003
Chloride	ND	20.0	1	05/19/25	05/19/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Parkway Gathering Leak	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	5/22/2025 1:13:30PM

SS08-1'

E505178-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2520113
Benzene	ND	0.0250	1	05/16/25	05/20/25	
Ethylbenzene	ND	0.0250	1	05/16/25	05/20/25	
Toluene	ND	0.0250	1	05/16/25	05/20/25	
o-Xylene	ND	0.0250	1	05/16/25	05/20/25	
p,m-Xylene	ND	0.0500	1	05/16/25	05/20/25	
Total Xylenes	ND	0.0250	1	05/16/25	05/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*90.6 %*	*70-130*	*05/16/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2520113
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/16/25	05/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.2 %*	*70-130*	*05/16/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2520149
Diesel Range Organics (C10-C28)	ND	25.0	1	05/16/25	05/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/16/25	05/20/25	
Surrogate: n-Nonane		*119 %*	*61-141*	*05/16/25*	*05/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2521003
Chloride	ND	20.0	1	05/19/25	05/19/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Parkway Gathering Leak	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	5/22/2025 1:13:30PM

SS09-0'

E505178-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2520113
Benzene	ND	0.0250	1	05/16/25	05/20/25	
Ethylbenzene	ND	0.0250	1	05/16/25	05/20/25	
Toluene	ND	0.0250	1	05/16/25	05/20/25	
o-Xylene	ND	0.0250	1	05/16/25	05/20/25	
p,m-Xylene	ND	0.0500	1	05/16/25	05/20/25	
Total Xylenes	ND	0.0250	1	05/16/25	05/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*90.0 %*	*70-130*	*05/16/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2520113
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/16/25	05/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.3 %*	*70-130*	*05/16/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2520149
Diesel Range Organics (C10-C28)	ND	25.0	1	05/16/25	05/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/16/25	05/20/25	
Surrogate: n-Nonane		*120 %*	*61-141*	*05/16/25*	*05/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2521003
Chloride	**212**	200	10	05/19/25	05/19/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Parkway Gathering Leak	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	5/22/2025 1:13:30PM

SS09-1'

E505178-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2520113
Benzene	ND	0.0250	1	05/16/25	05/20/25	
Ethylbenzene	ND	0.0250	1	05/16/25	05/20/25	
Toluene	ND	0.0250	1	05/16/25	05/20/25	
o-Xylene	ND	0.0250	1	05/16/25	05/20/25	
p,m-Xylene	ND	0.0500	1	05/16/25	05/20/25	
Total Xylenes	ND	0.0250	1	05/16/25	05/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*88.6 %*	*70-130*	*05/16/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2520113
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/16/25	05/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.3 %*	*70-130*	*05/16/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2520149
Diesel Range Organics (C10-C28)	ND	25.0	1	05/16/25	05/20/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/16/25	05/20/25	
Surrogate: n-Nonane		*129 %*	*61-141*	*05/16/25*	*05/20/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2521003
Chloride	ND	200	10	05/19/25	05/19/25	

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Parkway Gathering Leak	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	5/22/2025 1:13:30PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2520113-BLK1)									Prepared: 05/16/25 Analyzed: 05/19/25
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	*7.01*		*8.00*		*87.6*	*70-130*			
LCS (2520113-BS1)									Prepared: 05/16/25 Analyzed: 05/19/25
Benzene	4.86	0.0250	5.00		97.1	70-130			
Ethylbenzene	4.83	0.0250	5.00		96.5	70-130			
Toluene	4.85	0.0250	5.00		97.1	70-130			
o-Xylene	4.81	0.0250	5.00		96.2	70-130			
p,m-Xylene	9.78	0.0500	10.0		97.8	70-130			
Total Xylenes	14.6	0.0250	15.0		97.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.24*		*8.00*		*90.5*	*70-130*			
Matrix Spike (2520113-MS1)				**Source: E505178-11**					Prepared: 05/16/25 Analyzed: 05/19/25
Benzene	5.00	0.0250	5.00	ND	99.9	70-130			
Ethylbenzene	4.93	0.0250	5.00	ND	98.6	70-130			
Toluene	4.98	0.0250	5.00	ND	99.6	70-130			
o-Xylene	4.90	0.0250	5.00	ND	97.9	70-130			
p,m-Xylene	9.98	0.0500	10.0	ND	99.8	70-130			
Total Xylenes	14.9	0.0250	15.0	ND	99.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.28*		*8.00*		*91.0*	*70-130*			
Matrix Spike Dup (2520113-MSD1)				**Source: E505178-11**					Prepared: 05/16/25 Analyzed: 05/19/25
Benzene	5.33	0.0250	5.00	ND	107	70-130	6.42	27	
Ethylbenzene	5.30	0.0250	5.00	ND	106	70-130	7.14	26	
Toluene	5.33	0.0250	5.00	ND	107	70-130	6.69	20	
o-Xylene	5.26	0.0250	5.00	ND	105	70-130	7.13	25	
p,m-Xylene	10.7	0.0500	10.0	ND	107	70-130	7.17	23	
Total Xylenes	16.0	0.0250	15.0	ND	107	70-130	7.16	26	
Surrogate: 4-Bromochlorobenzene-PID	*7.33*		*8.00*		*91.6*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Parkway Gathering Leak	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	5/22/2025 1:13:30PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2520113-BLK1)									Prepared: 05/16/25 Analyzed: 05/19/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.71*		*8.00*		*96.4*	*70-130*			
LCS (2520113-BS2)									Prepared: 05/16/25 Analyzed: 05/19/25
Gasoline Range Organics (C6-C10)	43.0	20.0	50.0		86.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.78*		*8.00*		*97.2*	*70-130*			
Matrix Spike (2520113-MS2)				**Source: E505178-11**					Prepared: 05/16/25 Analyzed: 05/20/25
Gasoline Range Organics (C6-C10)	45.3	20.0	50.0	ND	90.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.63*		*8.00*		*95.3*	*70-130*			
Matrix Spike Dup (2520113-MSD2)				**Source: E505178-11**					Prepared: 05/16/25 Analyzed: 05/19/25
Gasoline Range Organics (C6-C10)	47.6	20.0	50.0	ND	95.3	70-130	4.96	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.76*		*8.00*		*97.0*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Parkway Gathering Leak	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	5/22/2025 1:13:30PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2520149-BLK1)									Prepared: 05/16/25 Analyzed: 05/19/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*57.2*		*50.0*		*114*	*61-141*			
LCS (2520149-BS1)									Prepared: 05/16/25 Analyzed: 05/19/25
Diesel Range Organics (C10-C28)	337	25.0	250		135	66-144			
Surrogate: n-Nonane	*63.5*		*50.0*		*127*	*61-141*			
Matrix Spike (2520149-MS1)				**Source: E505178-11**					Prepared: 05/16/25 Analyzed: 05/19/25
Diesel Range Organics (C10-C28)	317	25.0	250	ND	127	56-156			
Surrogate: n-Nonane	*58.5*		*50.0*		*117*	*61-141*			
Matrix Spike Dup (2520149-MSD1)				**Source: E505178-11**					Prepared: 05/16/25 Analyzed: 05/19/25
Diesel Range Organics (C10-C28)	351	25.0	250	ND	140	56-156	10.3	20	
Surrogate: n-Nonane	*66.9*		*50.0*		*134*	*61-141*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Parkway Gathering Leak	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	5/22/2025 1:13:30PM

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 (2521003-BLK1)									Prepared: 05/19/25 Analyzed: 05/19/25
Chloride	ND	20.0							
LCS (2521003-BS1)									Prepared: 05/19/25 Analyzed: 05/19/25
Chloride	256	20.0	250		102	90-110			
Matrix Spike (2521003-MS1)				**Source: E505178-03**					Prepared: 05/19/25 Analyzed: 05/19/25
Chloride	252	100	250	ND	101	80-120			
Matrix Spike Dup (2521003-MSD1)				**Source: E505178-03**					Prepared: 05/19/25 Analyzed: 05/19/25
Chloride	255	100	250	ND	102	80-120	1.27	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:	Parkway Gathering Leak	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	05/22/25 13:13

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.

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Analytical Laboratory

Chain of Custody WO #1090174501

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Devon	Company: Devon Energy	Lab WO# E505178	Job Number 01058:0007	1D 2D 3D Std: x	NM CO UT TX: x
Project: Parkway Gathering Leak	Address: 5315 Buena Vista Dr			
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: (575)689-7597			
City, State, Zip: Carlsbad NM, 88220	Email: jim.raley@dvn.com			
Phone: 575-988-0055	Miscellaneous: Jim Raley			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX		Sample Temp	Remarks
0951	5/14/2025	Soil	1	SS01-0'		1									X			3.0	
1258				01-1'		2									X			2.6	
0954				02-0'		3									X			2.4	
1302				02-1'		4									X			2.0	
0957				03-0'		5									X			3.2	
1304				03-1'		6									X			3.1	
1353				04-0'		7									X			2.6	
1359				04-1'		8									X			2.4	
1002				05-0'		9									X			3.2	
1310				05-1'		10									X			3.0	

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@dvn.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jhinkle@ensolum.com, akone@ensolum.com, jgonzales@ensolum.com, rrai@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: Jenna Hinkle

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Jenna Hinkle			Michelle Gonzales	5-15-25	0711
Michelle Gonzales	5.15.25	1600	[signature]	5.15.25	1600
[signature]	5.15.25	2215	Caitlin Mars	5.16.25	830

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

Lab Use Only
Received on ice: (Y) N

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

Chain of Custody

WO# 1090174501

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Devon	Company: Devon Energy	Lab WO# E505178	Job Number 01058.0007	1D 2D 3D Std: x	NM: x CO UT TX
Project: Pathway Gathering Lateral	Address: 5315 Buena Vista Dr			
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: (575)689-7597			
City, State, Zip: Carlsbad NM, 88220	Email: jim.raley@dvn.com			
Phone: 575-988-0055	Miscellaneous: Jim Raley			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX		Sample Temp	Remarks
1004	5/14/2025	Soil	1	06-0'		11									X			2.6	
1313				06-1'		12									X			2.2	
1006				07-0'		13									X			3.2	
1316				07-1'		14									X			3.4	
1007				08-0'		15									X			3.0	
1319				08-1'		16									X			2.6	
1010				09-0'		17									X			2.8	
1322				09-1'		18									X			3.0	

EPA Program: SDWA | CWA | RCRA

Compliance | Y | or | N

PWSID #

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@dvn.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jhinkle@ensolum.com, akone@ensolum.com, jgonzales@ensolum.com, rrai@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: Jenna Hinkle

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Jenna Hinkle			Michelle Gonzales	5-15-25	0711
Michelle Gonzales	5-15-25	1600		5.15.25	1600
	5.15.25	2215	Faith Mar	5.16.25	830

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

Lab Use Only

Received on ice: (Y) N

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: 5/16/2025 1:37:04PM

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:	05/16/25 08:30	Work Order ID:	E505178
Phone:	(505) 382-1211	Date Logged In:	05/15/25 14:56	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	05/22/25 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	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

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? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling	Yes
13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.	

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

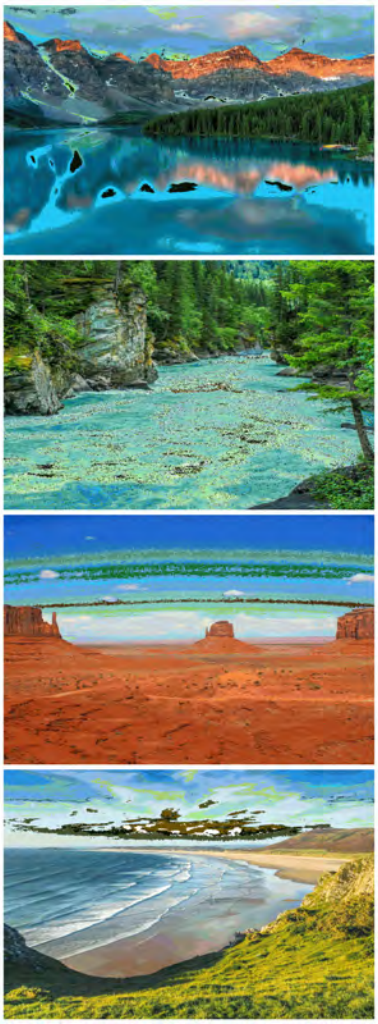
Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

Ashley Giovengo



5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name:	Parkway Gathering Leak
Work Order:	E505201
Job Number:	01058-0007
Received:	5/19/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
5/23/25

Date Reported: 5/23/25

Ashley Giovengo
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Parkway Gathering Leak
Workorder: E505201
Date Received: 5/19/2025 7:30:17AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/19/2025 7:30:17AM, under the Project Name: Parkway Gathering Leak.

The analytical test results summarized in this report with the Project Name: Parkway Gathering Leak 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 reguarding 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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rainaschwanz@envirotech-inc.com

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Sample Summary

Devon Energy - Carlsbad	Project Name:	Parkway Gathering Leak	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	05/23/25 07:44

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH01-0'	E505201-01A	Soil	05/15/25	05/19/25	Glass Jar, 2 oz.
BH01-2'	E505201-02A	Soil	05/15/25	05/19/25	Glass Jar, 2 oz.
BH01-4'	E505201-03A	Soil	05/15/25	05/19/25	Glass Jar, 2 oz.
BH01-6'	E505201-04A	Soil	05/15/25	05/19/25	Glass Jar, 2 oz.
BH01-8'	E505201-05A	Soil	05/15/25	05/19/25	Glass Jar, 2 oz.
BH02-0'	E505201-06A	Soil	05/15/25	05/19/25	Glass Jar, 2 oz.
BH02-2'	E505201-07A	Soil	05/15/25	05/19/25	Glass Jar, 2 oz.
BH02-4'	E505201-08A	Soil	05/15/25	05/19/25	Glass Jar, 2 oz.
BH02-6'	E505201-09A	Soil	05/15/25	05/19/25	Glass Jar, 2 oz.
BH02-8'	E505201-10A	Soil	05/15/25	05/19/25	Glass Jar, 2 oz.
BH03-0'	E505201-11A	Soil	05/15/25	05/19/25	Glass Jar, 2 oz.
BH03-2'	E505201-12A	Soil	05/15/25	05/19/25	Glass Jar, 2 oz.
BH03-4'	E505201-13A	Soil	05/15/25	05/19/25	Glass Jar, 2 oz.
BH04-0'	E505201-14A	Soil	05/15/25	05/19/25	Glass Jar, 2 oz.
BH04-1'	E505201-15A	Soil	05/15/25	05/19/25	Glass Jar, 2 oz.
BH05-0'	E505201-16A	Soil	05/15/25	05/19/25	Glass Jar, 2 oz.
BH05-2'	E505201-17A	Soil	05/15/25	05/19/25	Glass Jar, 2 oz.

Sample Data

Devon Energy - Carlsbad	Project Name:	Parkway Gathering Leak	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	5/23/2025 7:44:33AM

BH01-0'

E505201-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2521007
Benzene	ND	0.0250	1	05/19/25	05/20/25	
Ethylbenzene	ND	0.0250	1	05/19/25	05/20/25	
Toluene	ND	0.0250	1	05/19/25	05/20/25	
o-Xylene	ND	0.0250	1	05/19/25	05/20/25	
p,m-Xylene	ND	0.0500	1	05/19/25	05/20/25	
Total Xylenes	ND	0.0250	1	05/19/25	05/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*96.5 %*	*70-130*	*05/19/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2521007
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/19/25	05/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*105 %*	*70-130*	*05/19/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2521035
Diesel Range Organics (C10-C28)	ND	25.0	1	05/20/25	05/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/20/25	05/21/25	
Surrogate: n-Nonane		*103 %*	*61-141*	*05/20/25*	*05/21/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2521029
Chloride	**3520**	100	5	05/19/25	05/20/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Parkway Gathering Leak	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	5/23/2025 7:44:33AM

BH01-2'

E505201-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2521007
Benzene	ND	0.0250	1	05/19/25	05/20/25	
Ethylbenzene	ND	0.0250	1	05/19/25	05/20/25	
Toluene	ND	0.0250	1	05/19/25	05/20/25	
o-Xylene	ND	0.0250	1	05/19/25	05/20/25	
p,m-Xylene	ND	0.0500	1	05/19/25	05/20/25	
Total Xylenes	ND	0.0250	1	05/19/25	05/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*99.8 %*	*70-130*	*05/19/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2521007
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/19/25	05/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*106 %*	*70-130*	*05/19/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2521035
Diesel Range Organics (C10-C28)	ND	25.0	1	05/20/25	05/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/20/25	05/21/25	
Surrogate: n-Nonane		*105 %*	*61-141*	*05/20/25*	*05/21/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2521029
Chloride	**16000**	200	10	05/19/25	05/20/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Parkway Gathering Leak	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	5/23/2025 7:44:33AM

BH01-4'

E505201-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2521007
Benzene	ND	0.0250	1	05/19/25	05/20/25	
Ethylbenzene	ND	0.0250	1	05/19/25	05/20/25	
Toluene	ND	0.0250	1	05/19/25	05/20/25	
o-Xylene	ND	0.0250	1	05/19/25	05/20/25	
p,m-Xylene	ND	0.0500	1	05/19/25	05/20/25	
Total Xylenes	ND	0.0250	1	05/19/25	05/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*96.9 %*	*70-130*	*05/19/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2521007
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/19/25	05/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*108 %*	*70-130*	*05/19/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2521035
Diesel Range Organics (C10-C28)	ND	25.0	1	05/20/25	05/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/20/25	05/21/25	
Surrogate: n-Nonane		*105 %*	*61-141*	*05/20/25*	*05/21/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2521029
Chloride	**14100**	200	10	05/19/25	05/20/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Parkway Gathering Leak	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	5/23/2025 7:44:33AM

BH01-6'

E505201-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2521007
Benzene	ND	0.0250	1	05/19/25	05/20/25	
Ethylbenzene	ND	0.0250	1	05/19/25	05/20/25	
Toluene	ND	0.0250	1	05/19/25	05/20/25	
o-Xylene	ND	0.0250	1	05/19/25	05/20/25	
p,m-Xylene	ND	0.0500	1	05/19/25	05/20/25	
Total Xylenes	ND	0.0250	1	05/19/25	05/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*100 %*	*70-130*	*05/19/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2521007
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/19/25	05/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*103 %*	*70-130*	*05/19/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2521035
Diesel Range Organics (C10-C28)	ND	25.0	1	05/20/25	05/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/20/25	05/21/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*05/20/25*	*05/21/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2521029
Chloride	**11100**	200	10	05/19/25	05/20/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Parkway Gathering Leak	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	5/23/2025 7:44:33AM

BH01-8'

E505201-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2521007
Benzene	ND	0.0250	1	05/19/25	05/20/25	
Ethylbenzene	ND	0.0250	1	05/19/25	05/20/25	
Toluene	ND	0.0250	1	05/19/25	05/20/25	
o-Xylene	ND	0.0250	1	05/19/25	05/20/25	
p,m-Xylene	ND	0.0500	1	05/19/25	05/20/25	
Total Xylenes	ND	0.0250	1	05/19/25	05/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*99.4 %*	*70-130*	*05/19/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2521007
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/19/25	05/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*105 %*	*70-130*	*05/19/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2521035
Diesel Range Organics (C10-C28)	ND	25.0	1	05/20/25	05/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/20/25	05/21/25	
Surrogate: n-Nonane		*109 %*	*61-141*	*05/20/25*	*05/21/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2521029
Chloride	**11200**	200	10	05/19/25	05/20/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Parkway Gathering Leak	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	5/23/2025 7:44:33AM

BH02-0'

E505201-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2521007
Benzene	ND	0.0250	1	05/19/25	05/20/25	
Ethylbenzene	ND	0.0250	1	05/19/25	05/20/25	
Toluene	ND	0.0250	1	05/19/25	05/20/25	
o-Xylene	ND	0.0250	1	05/19/25	05/20/25	
p,m-Xylene	ND	0.0500	1	05/19/25	05/20/25	
Total Xylenes	ND	0.0250	1	05/19/25	05/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*100 %*	*70-130*	*05/19/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2521007
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/19/25	05/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*103 %*	*70-130*	*05/19/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2521035
Diesel Range Organics (C10-C28)	ND	25.0	1	05/20/25	05/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/20/25	05/21/25	
Surrogate: n-Nonane		*109 %*	*61-141*	*05/20/25*	*05/21/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2521029
Chloride	**3640**	100	5	05/19/25	05/20/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Parkway Gathering Leak	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	5/23/2025 7:44:33AM

BH02-2'

E505201-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2521007
Benzene	ND	0.0250	1	05/19/25	05/20/25	
Ethylbenzene	ND	0.0250	1	05/19/25	05/20/25	
Toluene	ND	0.0250	1	05/19/25	05/20/25	
o-Xylene	ND	0.0250	1	05/19/25	05/20/25	
p,m-Xylene	ND	0.0500	1	05/19/25	05/20/25	
Total Xylenes	ND	0.0250	1	05/19/25	05/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*99.5 %*	*70-130*	*05/19/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2521007
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/19/25	05/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*107 %*	*70-130*	*05/19/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2521035
Diesel Range Organics (C10-C28)	ND	25.0	1	05/20/25	05/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/20/25	05/21/25	
Surrogate: n-Nonane		*108 %*	*61-141*	*05/20/25*	*05/21/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2521029
Chloride	**14000**	200	10	05/19/25	05/20/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Parkway Gathering Leak	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	5/23/2025 7:44:33AM

BH02-4'

E505201-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2521007
Benzene	ND	0.0250	1	05/19/25	05/20/25	
Ethylbenzene	ND	0.0250	1	05/19/25	05/20/25	
Toluene	ND	0.0250	1	05/19/25	05/20/25	
o-Xylene	ND	0.0250	1	05/19/25	05/20/25	
p,m-Xylene	ND	0.0500	1	05/19/25	05/20/25	
Total Xylenes	ND	0.0250	1	05/19/25	05/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*100 %*	*70-130*	*05/19/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2521007
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/19/25	05/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*106 %*	*70-130*	*05/19/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2521035
Diesel Range Organics (C10-C28)	ND	25.0	1	05/20/25	05/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/20/25	05/21/25	
Surrogate: n-Nonane		*110 %*	*61-141*	*05/20/25*	*05/21/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2521029
Chloride	**11500**	100	5	05/19/25	05/20/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Parkway Gathering Leak	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	5/23/2025 7:44:33AM

BH02-6'

E505201-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2521007
Benzene	ND	0.0250	1	05/19/25	05/20/25	
Ethylbenzene	ND	0.0250	1	05/19/25	05/20/25	
Toluene	ND	0.0250	1	05/19/25	05/20/25	
o-Xylene	ND	0.0250	1	05/19/25	05/20/25	
p,m-Xylene	ND	0.0500	1	05/19/25	05/20/25	
Total Xylenes	ND	0.0250	1	05/19/25	05/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*100 %*	*70-130*	*05/19/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2521007
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/19/25	05/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*107 %*	*70-130*	*05/19/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2521035
Diesel Range Organics (C10-C28)	ND	25.0	1	05/20/25	05/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/20/25	05/21/25	
Surrogate: n-Nonane		*112 %*	*61-141*	*05/20/25*	*05/21/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2521029
Chloride	**11500**	200	10	05/19/25	05/20/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Parkway Gathering Leak	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	5/23/2025 7:44:33AM

BH02-8'

E505201-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2521007
Benzene	ND	0.0250	1	05/19/25	05/20/25	
Ethylbenzene	ND	0.0250	1	05/19/25	05/20/25	
Toluene	ND	0.0250	1	05/19/25	05/20/25	
o-Xylene	ND	0.0250	1	05/19/25	05/20/25	
p,m-Xylene	ND	0.0500	1	05/19/25	05/20/25	
Total Xylenes	ND	0.0250	1	05/19/25	05/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*98.3 %*	*70-130*	*05/19/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2521007
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/19/25	05/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*109 %*	*70-130*	*05/19/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2521035
Diesel Range Organics (C10-C28)	ND	25.0	1	05/20/25	05/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/20/25	05/21/25	
Surrogate: n-Nonane		*105 %*	*61-141*	*05/20/25*	*05/21/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2521029
Chloride	**12000**	200	10	05/19/25	05/20/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Parkway Gathering Leak	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	5/23/2025 7:44:33AM

BH03-0'

E505201-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2521007
Benzene	ND	0.0250	1	05/19/25	05/20/25	
Ethylbenzene	ND	0.0250	1	05/19/25	05/20/25	
Toluene	ND	0.0250	1	05/19/25	05/20/25	
o-Xylene	ND	0.0250	1	05/19/25	05/20/25	
p,m-Xylene	ND	0.0500	1	05/19/25	05/20/25	
Total Xylenes	ND	0.0250	1	05/19/25	05/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*99.1 %*	*70-130*	*05/19/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2521007
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/19/25	05/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*108 %*	*70-130*	*05/19/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2521035
Diesel Range Organics (C10-C28)	ND	25.0	1	05/20/25	05/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/20/25	05/21/25	
Surrogate: n-Nonane		*109 %*	*61-141*	*05/20/25*	*05/21/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2521029
Chloride	**296**	40.0	2	05/19/25	05/20/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Parkway Gathering Leak	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	5/23/2025 7:44:33AM

BH03-2'

E505201-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2521007
Benzene	ND	0.0250	1	05/19/25	05/20/25	
Ethylbenzene	ND	0.0250	1	05/19/25	05/20/25	
Toluene	ND	0.0250	1	05/19/25	05/20/25	
o-Xylene	ND	0.0250	1	05/19/25	05/20/25	
p,m-Xylene	ND	0.0500	1	05/19/25	05/20/25	
Total Xylenes	ND	0.0250	1	05/19/25	05/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*05/19/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2521007
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/19/25	05/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*110 %*	*70-130*	*05/19/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2521035
Diesel Range Organics (C10-C28)	ND	25.0	1	05/20/25	05/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/20/25	05/21/25	
Surrogate: n-Nonane		*106 %*	*61-141*	*05/20/25*	*05/21/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2521029
Chloride	**6010**	40.0	2	05/19/25	05/20/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Parkway Gathering Leak	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	5/23/2025 7:44:33AM

BH03-4'

E505201-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2521007
Benzene	ND	0.0250	1	05/19/25	05/20/25	
Ethylbenzene	ND	0.0250	1	05/19/25	05/20/25	
Toluene	ND	0.0250	1	05/19/25	05/20/25	
o-Xylene	ND	0.0250	1	05/19/25	05/20/25	
p,m-Xylene	ND	0.0500	1	05/19/25	05/20/25	
Total Xylenes	ND	0.0250	1	05/19/25	05/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*98.6 %*	*70-130*	*05/19/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2521007
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/19/25	05/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*105 %*	*70-130*	*05/19/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2521035
Diesel Range Organics (C10-C28)	ND	25.0	1	05/20/25	05/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/20/25	05/21/25	
Surrogate: n-Nonane		*105 %*	*61-141*	*05/20/25*	*05/21/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2521029
Chloride	**10400**	200	10	05/19/25	05/20/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Parkway Gathering Leak	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	5/23/2025 7:44:33AM

BH04-0'

E505201-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2521007
Benzene	ND	0.0250	1	05/19/25	05/20/25	
Ethylbenzene	ND	0.0250	1	05/19/25	05/20/25	
Toluene	ND	0.0250	1	05/19/25	05/20/25	
o-Xylene	ND	0.0250	1	05/19/25	05/20/25	
p,m-Xylene	ND	0.0500	1	05/19/25	05/20/25	
Total Xylenes	ND	0.0250	1	05/19/25	05/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*05/19/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2521007
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/19/25	05/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*108 %*	*70-130*	*05/19/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2521035
Diesel Range Organics (C10-C28)	ND	25.0	1	05/20/25	05/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/20/25	05/21/25	
Surrogate: n-Nonane		*106 %*	*61-141*	*05/20/25*	*05/21/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2521029
Chloride	ND	40.0	2	05/19/25	05/20/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Parkway Gathering Leak	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	5/23/2025 7:44:33AM

BH04-1'

E505201-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2521007
Benzene	ND	0.0250	1	05/19/25	05/20/25	
Ethylbenzene	ND	0.0250	1	05/19/25	05/20/25	
Toluene	ND	0.0250	1	05/19/25	05/20/25	
o-Xylene	ND	0.0250	1	05/19/25	05/20/25	
p,m-Xylene	ND	0.0500	1	05/19/25	05/20/25	
Total Xylenes	ND	0.0250	1	05/19/25	05/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*99.8 %*	*70-130*	*05/19/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2521007
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/19/25	05/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*109 %*	*70-130*	*05/19/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2521035
Diesel Range Organics (C10-C28)	ND	25.0	1	05/20/25	05/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/20/25	05/21/25	
Surrogate: n-Nonane		*110 %*	*61-141*	*05/20/25*	*05/21/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2521029
Chloride	**105**	40.0	2	05/19/25	05/20/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Parkway Gathering Leak	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	5/23/2025 7:44:33AM

BH05-0'

E505201-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2521007
Benzene	ND	0.0250	1	05/19/25	05/20/25	
Ethylbenzene	ND	0.0250	1	05/19/25	05/20/25	
Toluene	ND	0.0250	1	05/19/25	05/20/25	
o-Xylene	ND	0.0250	1	05/19/25	05/20/25	
p,m-Xylene	ND	0.0500	1	05/19/25	05/20/25	
Total Xylenes	ND	0.0250	1	05/19/25	05/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*99.9 %*	*70-130*	*05/19/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2521007
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/19/25	05/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*108 %*	*70-130*	*05/19/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2521035
Diesel Range Organics (C10-C28)	ND	25.0	1	05/20/25	05/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/20/25	05/21/25	
Surrogate: n-Nonane		*107 %*	*61-141*	*05/20/25*	*05/21/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2521029
Chloride	ND	20.0	1	05/19/25	05/20/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Parkway Gathering Leak	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	5/23/2025 7:44:33AM

BH05-2'

E505201-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2521007
Benzene	ND	0.0250	1	05/19/25	05/20/25	
Ethylbenzene	ND	0.0250	1	05/19/25	05/20/25	
Toluene	ND	0.0250	1	05/19/25	05/20/25	
o-Xylene	ND	0.0250	1	05/19/25	05/20/25	
p,m-Xylene	ND	0.0500	1	05/19/25	05/20/25	
Total Xylenes	ND	0.0250	1	05/19/25	05/20/25	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*05/19/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2521007
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/19/25	05/20/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*107 %*	*70-130*	*05/19/25*	*05/20/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2521035
Diesel Range Organics (C10-C28)	ND	25.0	1	05/20/25	05/21/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/20/25	05/21/25	
Surrogate: n-Nonane		*107 %*	*61-141*	*05/20/25*	*05/21/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2521029
Chloride	**41.5**	20.0	1	05/19/25	05/20/25	

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Parkway Gathering Leak	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	5/23/2025 7:44:33AM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2521007-BLK1)									Prepared: 05/19/25 Analyzed: 05/20/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.86*		*8.00*		*98.2*	*70-130*			
LCS (2521007-BS1)									Prepared: 05/19/25 Analyzed: 05/20/25
Benzene	6.12	0.0250	5.00		122	70-130			
Ethylbenzene	6.08	0.0250	5.00		122	70-130			
Toluene	6.09	0.0250	5.00		122	70-130			
o-Xylene	6.01	0.0250	5.00		120	70-130			
p,m-Xylene	12.3	0.0500	10.0		123	70-130			
Total Xylenes	18.3	0.0250	15.0		122	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.73*		*8.00*		*96.6*	*70-130*			
Matrix Spike (2521007-MS1)				**Source: E505201-01**					Prepared: 05/19/25 Analyzed: 05/20/25
Benzene	5.96	0.0250	5.00	ND	119	70-130			
Ethylbenzene	5.91	0.0250	5.00	ND	118	70-130			
Toluene	5.92	0.0250	5.00	ND	118	70-130			
o-Xylene	5.84	0.0250	5.00	ND	117	70-130			
p,m-Xylene	11.9	0.0500	10.0	ND	119	70-130			
Total Xylenes	17.8	0.0250	15.0	ND	119	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.83*		*8.00*		*97.8*	*70-130*			
Matrix Spike Dup (2521007-MSD1)				**Source: E505201-01**					Prepared: 05/19/25 Analyzed: 05/20/25
Benzene	5.93	0.0250	5.00	ND	119	70-130	0.634	27	
Ethylbenzene	5.88	0.0250	5.00	ND	118	70-130	0.393	26	
Toluene	5.89	0.0250	5.00	ND	118	70-130	0.508	20	
o-Xylene	5.82	0.0250	5.00	ND	116	70-130	0.406	25	
p,m-Xylene	11.9	0.0500	10.0	ND	119	70-130	0.333	23	
Total Xylenes	17.7	0.0250	15.0	ND	118	70-130	0.357	26	
Surrogate: 4-Bromochlorobenzene-PID	*7.96*		*8.00*		*99.5*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Parkway Gathering Leak	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	5/23/2025 7:44:33AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2521007-BLK1)									Prepared: 05/19/25 Analyzed: 05/20/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.49*		*8.00*		*106*	*70-130*			
LCS (2521007-BS2)									Prepared: 05/19/25 Analyzed: 05/20/25
Gasoline Range Organics (C6-C10)	52.4	20.0	50.0		105	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.43*		*8.00*		*105*	*70-130*			
Matrix Spike (2521007-MS2)				**Source: E505201-01**					Prepared: 05/19/25 Analyzed: 05/20/25
Gasoline Range Organics (C6-C10)	54.8	20.0	50.0	ND	110	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.76*		*8.00*		*110*	*70-130*			
Matrix Spike Dup (2521007-MSD2)				**Source: E505201-01**					Prepared: 05/19/25 Analyzed: 05/20/25
Gasoline Range Organics (C6-C10)	51.6	20.0	50.0	ND	103	70-130	5.97	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.44*		*8.00*		*106*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Parkway Gathering Leak	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	5/23/2025 7:44:33AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2521035-BLK1)									Prepared: 05/20/25 Analyzed: 05/21/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*51.7*		*50.0*		*103*	*61-141*			
LCS (2521035-BS1)									Prepared: 05/20/25 Analyzed: 05/21/25
Diesel Range Organics (C10-C28)	274	25.0	250		110	66-144			
Surrogate: n-Nonane	*51.3*		*50.0*		*103*	*61-141*			
Matrix Spike (2521035-MS1)				**Source: E505201-02**					Prepared: 05/20/25 Analyzed: 05/21/25
Diesel Range Organics (C10-C28)	281	25.0	250	ND	113	56-156			
Surrogate: n-Nonane	*52.0*		*50.0*		*104*	*61-141*			
Matrix Spike Dup (2521035-MSD1)				**Source: E505201-02**					Prepared: 05/20/25 Analyzed: 05/21/25
Diesel Range Organics (C10-C28)	298	25.0	250	ND	119	56-156	5.75	20	
Surrogate: n-Nonane	*56.0*		*50.0*		*112*	*61-141*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Parkway Gathering Leak	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	5/23/2025 7:44:33AM

Anions by EPA 300.0/9056A

Analyst: JM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2521029-BLK1)									Prepared: 05/19/25 Analyzed: 05/20/25
Chloride	ND	20.0							
LCS (2521029-BS1)									Prepared: 05/19/25 Analyzed: 05/20/25
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2521029-MS1)				**Source: E505201-01**					Prepared: 05/19/25 Analyzed: 05/20/25
Chloride	2630	100	250	3520	NR	80-120			M4
Matrix Spike Dup (2521029-MSD1)				**Source: E505201-01**					Prepared: 05/19/25 Analyzed: 05/20/25
Chloride	2560	100	250	3520	NR	80-120	2.77	20	M4

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

Definitions and Notes

Devon Energy - Carlsbad	Project Name:	Parkway Gathering Leak	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	05/23/25 07:44

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.

envirotech
Analytical Laboratory

Chain of Custody

WO# 1040174501

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Devon	Company: Devon Energy	Lab WO# E605201	Job Number 01058·0007	1D 2D 3D Std: x	NM CO UT TX: x
Project: Parkway Gathering Lea1h	Address: 5315 Buena Vista Dr			
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: (575)689-7597			
City, State, Zip: Carlsbad NM, 88220	Email: jim.raley@dvn.com			
Phone: 575-988-0055	Miscellaneous: Jim Raley			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX		Sample Temp	Remarks
1043	5/15/2025	Soil	1	BH01-0'		1									+			3.1	
1052				01-2'		2									+			3.4	
1117				01-4'		3									+			3.2	
1434				01-6		4									+			2.8	
1606				01-8'		5									+			3.0	
1128				BH02-0'		6									+			3.4	
1136				02-2'		7									+			3.6	
1201				02-4'		8									+			3.4	
1622				02-6'		9									+			3.0	
1635				02-8'		10									+			3.1	

Analysis and Method

EPA Program: SDWA | CWA | RCRA

Compliance | Y | or | N

PWSID #

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@dvn.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jhinkle@ensolum.com, akone@ensolum.com, jgonzales@ensolum.com, rrai@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: Jenna Hinkle

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Jenna Hinkle	5.16.25	711	Michelle Gonzales	5-16-25	0711
Michelle Gonzales	5.17.25	0230	Caitlin Mars	5.19.25	730
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

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

Lab Use Only

Received on ice: (Y) / N

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

Chain of Custody

WO # 1090174501

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Devon	Company: Devon Energy	Lab WO# E505201	Job Number 01058.0007	1D 2D 3D Std: x	NM CO UT TX: x
Project: Parkway Gathering Lea'n	Address: 5315 Buena Vista Dr			
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: (575)689-7597			
City, State, Zip: Carlsbad NM, 88220	Email: jim.raley@dvn.com			
Phone: 575-988-0055	Miscellaneous: Jim Raley			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX		Sample Temp	Remarks
1203	5/15/2025	Soil	1	BH03-0'		11									+			3.6	
1210				03-2'		12									f			3.8	
1243				03-4'		13									f			3.4	
1245				BH04-0'		14									f			3.6	
1249				04-1'		15									f			3.2	
1320				BH05-0'		16									f			3.7	
1337				05-2'		17									f			3.4	

Analysis and Method

EPA Program: SDWA | CWA | RCRA

Compliance Y or N

PWSID #

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@dvn.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jhinkle@ensolum.com, akone@ensolum.com, jgonzales@ensolum.com, rrai@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: Jenna Hinkle

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Jenna Hinkle	5.16.25	711	Michelle Gonzales	5-16 25	0711
Michelle Gonzales	5-17-25	0230	Caitlyn Mar	5.19.25	730

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

Lab Use Only

Received on ice: (Y) N

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: 5/19/2025 10:27:07AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Devon Energy - Carlsbad	Date Received:	05/19/25 07:30	Work Order ID:	E505201
Phone:	(505) 382-1211	Date Logged In:	05/16/25 16:12	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	05/23/25 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	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

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? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling	Yes
13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.	

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

Report to:

Ashley Giovengo

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name:	Parkway Gathering Leak
Work Order:	E505261
Job Number:	01058-0007
Received:	5/23/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
5/30/25

Date Reported: 5/30/25

Ashley Giovengo
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Parkway Gathering Leak
Workorder: E505261
Date Received: 5/23/2025 7:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/23/2025 7:30:00AM, under the Project Name: Parkway Gathering Leak.

The analytical test results summarized in this report with the Project Name: Parkway Gathering Leak 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 reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

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

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

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mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Devon Energy - Carlsbad	Project Name:	Parkway Gathering Leak	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	05/30/25 09:34

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH01-10'	E505261-01A	Soil	05/21/25	05/23/25	Glass Jar, 2 oz.
BH01-12'	E505261-02A	Soil	05/21/25	05/23/25	Glass Jar, 2 oz.
BH02-9'	E505261-03A	Soil	05/21/25	05/23/25	Glass Jar, 2 oz.
BH03-6'	E505261-04A	Soil	05/21/25	05/23/25	Glass Jar, 2 oz.
BH03-8'	E505261-05A	Soil	05/21/25	05/23/25	Glass Jar, 2 oz.
BH03-10'	E505261-06A	Soil	05/21/25	05/23/25	Glass Jar, 2 oz.
BH03-12.5'	E505261-07A	Soil	05/21/25	05/23/25	Glass Jar, 2 oz.

Sample Data

Devon Energy - Carlsbad	Project Name:	Parkway Gathering Leak	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	5/30/2025 9:34:57AM

BH01-10'

E505261-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2521150
Benzene	ND	0.0250	1	05/23/25	05/28/25	
Ethylbenzene	ND	0.0250	1	05/23/25	05/28/25	
Toluene	ND	0.0250	1	05/23/25	05/28/25	
o-Xylene	ND	0.0250	1	05/23/25	05/28/25	
p,m-Xylene	ND	0.0500	1	05/23/25	05/28/25	
Total Xylenes	ND	0.0250	1	05/23/25	05/28/25	
Surrogate: 4-Bromochlorobenzene-PID		*91.2 %*	*70-130*	*05/23/25*	*05/28/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2521150
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/23/25	05/28/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*99.3 %*	*70-130*	*05/23/25*	*05/28/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2522032
Diesel Range Organics (C10-C28)	ND	25.0	1	05/28/25	05/28/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/28/25	05/28/25	
Surrogate: n-Nonane		*112 %*	*61-141*	*05/28/25*	*05/28/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2522015
Chloride	**15600**	400	20	05/27/25	05/27/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Parkway Gathering Leak	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	5/30/2025 9:34:57AM

BH01-12'

E505261-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2521150
Benzene	ND	0.0250	1	05/23/25	05/28/25	
Ethylbenzene	ND	0.0250	1	05/23/25	05/28/25	
Toluene	ND	0.0250	1	05/23/25	05/28/25	
o-Xylene	ND	0.0250	1	05/23/25	05/28/25	
p,m-Xylene	ND	0.0500	1	05/23/25	05/28/25	
Total Xylenes	ND	0.0250	1	05/23/25	05/28/25	
Surrogate: 4-Bromochlorobenzene-PID		*90.6 %*	*70-130*	*05/23/25*	*05/28/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2521150
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/23/25	05/28/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.3 %*	*70-130*	*05/23/25*	*05/28/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2522032
Diesel Range Organics (C10-C28)	ND	25.0	1	05/28/25	05/28/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/28/25	05/28/25	
Surrogate: n-Nonane		*112 %*	*61-141*	*05/28/25*	*05/28/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2522015
Chloride	**6510**	200	10	05/27/25	05/27/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Parkway Gathering Leak	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	5/30/2025 9:34:57AM

BH02-9'

E505261-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2521150
Benzene	ND	0.0250	1	05/23/25	05/28/25	
Ethylbenzene	ND	0.0250	1	05/23/25	05/28/25	
Toluene	ND	0.0250	1	05/23/25	05/28/25	
o-Xylene	ND	0.0250	1	05/23/25	05/28/25	
p,m-Xylene	ND	0.0500	1	05/23/25	05/28/25	
Total Xylenes	ND	0.0250	1	05/23/25	05/28/25	
Surrogate: 4-Bromochlorobenzene-PID		*91.2 %*	*70-130*	*05/23/25*	*05/28/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2521150
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/23/25	05/28/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.6 %*	*70-130*	*05/23/25*	*05/28/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2522032
Diesel Range Organics (C10-C28)	ND	25.0	1	05/28/25	05/28/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/28/25	05/28/25	
Surrogate: n-Nonane		*108 %*	*61-141*	*05/28/25*	*05/28/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2522015
Chloride	**12200**	200	10	05/27/25	05/27/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Parkway Gathering Leak	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	5/30/2025 9:34:57AM

BH03-6'

E505261-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2521150
Benzene	ND	0.0250	1	05/23/25	05/28/25	
Ethylbenzene	ND	0.0250	1	05/23/25	05/28/25	
Toluene	ND	0.0250	1	05/23/25	05/28/25	
o-Xylene	ND	0.0250	1	05/23/25	05/28/25	
p,m-Xylene	ND	0.0500	1	05/23/25	05/28/25	
Total Xylenes	ND	0.0250	1	05/23/25	05/28/25	
Surrogate: 4-Bromochlorobenzene-PID		*91.9 %*	*70-130*	*05/23/25*	*05/28/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2521150
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/23/25	05/28/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.0 %*	*70-130*	*05/23/25*	*05/28/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2522032
Diesel Range Organics (C10-C28)	ND	25.0	1	05/28/25	05/28/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/28/25	05/28/25	
Surrogate: n-Nonane		*110 %*	*61-141*	*05/28/25*	*05/28/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2522015
Chloride	**8690**	200	10	05/27/25	05/27/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Parkway Gathering Leak	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	5/30/2025 9:34:57AM

BH03-8'

E505261-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2521150
Benzene	ND	0.0250	1	05/23/25	05/28/25	
Ethylbenzene	ND	0.0250	1	05/23/25	05/28/25	
Toluene	ND	0.0250	1	05/23/25	05/28/25	
o-Xylene	ND	0.0250	1	05/23/25	05/28/25	
p,m-Xylene	ND	0.0500	1	05/23/25	05/28/25	
Total Xylenes	ND	0.0250	1	05/23/25	05/28/25	
Surrogate: 4-Bromochlorobenzene-PID		*92.6 %*	*70-130*	*05/23/25*	*05/28/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2521150
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/23/25	05/28/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.6 %*	*70-130*	*05/23/25*	*05/28/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2522032
Diesel Range Organics (C10-C28)	ND	25.0	1	05/28/25	05/28/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/28/25	05/28/25	
Surrogate: n-Nonane		*111 %*	*61-141*	*05/28/25*	*05/28/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2522015
Chloride	**8470**	400	20	05/27/25	05/27/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Parkway Gathering Leak	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	5/30/2025 9:34:57AM

BH03-10'

E505261-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2521150
Benzene	ND	0.0250	1	05/23/25	05/28/25	
Ethylbenzene	ND	0.0250	1	05/23/25	05/28/25	
Toluene	ND	0.0250	1	05/23/25	05/28/25	
o-Xylene	ND	0.0250	1	05/23/25	05/28/25	
p,m-Xylene	ND	0.0500	1	05/23/25	05/28/25	
Total Xylenes	ND	0.0250	1	05/23/25	05/28/25	
Surrogate: 4-Bromochlorobenzene-PID		*92.4 %*	*70-130*	*05/23/25*	*05/28/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2521150
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/23/25	05/28/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.2 %*	*70-130*	*05/23/25*	*05/28/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2522032
Diesel Range Organics (C10-C28)	ND	25.0	1	05/28/25	05/28/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/28/25	05/28/25	
Surrogate: n-Nonane		*111 %*	*61-141*	*05/28/25*	*05/28/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2522015
Chloride	**11500**	400	20	05/27/25	05/27/25	

Sample Data

Devon Energy - Carlsbad	Project Name:	Parkway Gathering Leak	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	5/30/2025 9:34:57AM

BH03-12.5'

E505261-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2521150
Benzene	ND	0.0250	1	05/23/25	05/28/25	
Ethylbenzene	ND	0.0250	1	05/23/25	05/28/25	
Toluene	ND	0.0250	1	05/23/25	05/28/25	
o-Xylene	ND	0.0250	1	05/23/25	05/28/25	
p,m-Xylene	ND	0.0500	1	05/23/25	05/28/25	
Total Xylenes	ND	0.0250	1	05/23/25	05/28/25	
Surrogate: 4-Bromochlorobenzene-PID		*91.7 %*	*70-130*	*05/23/25*	*05/28/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2521150
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/23/25	05/28/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.4 %*	*70-130*	*05/23/25*	*05/28/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2522032
Diesel Range Organics (C10-C28)	ND	25.0	1	05/28/25	05/28/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/28/25	05/28/25	
Surrogate: n-Nonane		*112 %*	*61-141*	*05/28/25*	*05/28/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM			Batch: 2522015
Chloride	**9140**	400	20	05/27/25	05/27/25	

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Parkway Gathering Leak	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	5/30/2025 9:34:57AM

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2521150-BLK1)									Prepared: 05/23/25 Analyzed: 05/28/25
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	*7.18*		*8.00*		*89.8*	*70-130*			
LCS (2521150-BS1)									Prepared: 05/23/25 Analyzed: 05/28/25
Benzene	4.63	0.0250	5.00		92.6	70-130			
Ethylbenzene	4.54	0.0250	5.00		90.8	70-130			
Toluene	4.61	0.0250	5.00		92.1	70-130			
o-Xylene	4.54	0.0250	5.00		90.7	70-130			
p,m-Xylene	9.20	0.0500	10.0		92.0	70-130			
Total Xylenes	13.7	0.0250	15.0		91.6	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.20*		*8.00*		*90.0*	*70-130*			
Matrix Spike (2521150-MS1)				**Source: E505261-01**					Prepared: 05/23/25 Analyzed: 05/28/25
Benzene	5.29	0.0250	5.00	ND	106	70-130			
Ethylbenzene	5.18	0.0250	5.00	ND	104	70-130			
Toluene	5.26	0.0250	5.00	ND	105	70-130			
o-Xylene	5.15	0.0250	5.00	ND	103	70-130			
p,m-Xylene	10.5	0.0500	10.0	ND	105	70-130			
Total Xylenes	15.6	0.0250	15.0	ND	104	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.20*		*8.00*		*90.0*	*70-130*			
Matrix Spike Dup (2521150-MSD1)				**Source: E505261-01**					Prepared: 05/23/25 Analyzed: 05/28/25
Benzene	5.47	0.0250	5.00	ND	109	70-130	3.40	27	
Ethylbenzene	5.35	0.0250	5.00	ND	107	70-130	3.23	26	
Toluene	5.43	0.0250	5.00	ND	109	70-130	3.22	20	
o-Xylene	5.30	0.0250	5.00	ND	106	70-130	2.89	25	
p,m-Xylene	10.8	0.0500	10.0	ND	108	70-130	2.94	23	
Total Xylenes	16.1	0.0250	15.0	ND	107	70-130	2.92	26	
Surrogate: 4-Bromochlorobenzene-PID	*7.29*		*8.00*		*91.1*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Parkway Gathering Leak	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	5/30/2025 9:34:57AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2521150-BLK1)									Prepared: 05/23/25 Analyzed: 05/28/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.91*		*8.00*		*98.9*	*70-130*			
LCS (2521150-BS2)									Prepared: 05/23/25 Analyzed: 05/28/25
Gasoline Range Organics (C6-C10)	41.8	20.0	50.0		83.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.08*		*8.00*		*101*	*70-130*			
Matrix Spike (2521150-MS2)				**Source: E505261-01**					Prepared: 05/23/25 Analyzed: 05/28/25
Gasoline Range Organics (C6-C10)	43.6	20.0	50.0	ND	87.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.95*		*8.00*		*99.4*	*70-130*			
Matrix Spike Dup (2521150-MSD2)				**Source: E505261-01**					Prepared: 05/23/25 Analyzed: 05/28/25
Gasoline Range Organics (C6-C10)	37.6	20.0	50.0	ND	75.2	70-130	14.8	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.97*		*8.00*		*99.7*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Parkway Gathering Leak	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	5/30/2025 9:34:57AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2522032-BLK1)									Prepared: 05/28/25 Analyzed: 05/28/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*56.0*		*50.0*		*112*	*61-141*			
LCS (2522032-BS1)									Prepared: 05/28/25 Analyzed: 05/28/25
Diesel Range Organics (C10-C28)	297	25.0	250		119	66-144			
Surrogate: n-Nonane	*55.3*		*50.0*		*111*	*61-141*			
Matrix Spike (2522032-MS1)				**Source: E505260-08**					Prepared: 05/28/25 Analyzed: 05/28/25
Diesel Range Organics (C10-C28)	310	25.0	250	ND	124	56-156			
Surrogate: n-Nonane	*57.1*		*50.0*		*114*	*61-141*			
Matrix Spike Dup (2522032-MSD1)				**Source: E505260-08**					Prepared: 05/28/25 Analyzed: 05/28/25
Diesel Range Organics (C10-C28)	311	25.0	250	ND	125	56-156	0.517	20	
Surrogate: n-Nonane	*57.1*		*50.0*		*114*	*61-141*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Parkway Gathering Leak	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	5/30/2025 9:34:57AM

Anions by EPA 300.0/9056A

Analyst: JM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2522015-BLK1)									Prepared: 05/27/25 Analyzed: 05/27/25
Chloride	ND	20.0							
LCS (2522015-BS1)									Prepared: 05/27/25 Analyzed: 05/27/25
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2522015-MS1)				**Source: E505260-05**					Prepared: 05/27/25 Analyzed: 05/27/25
Chloride	419	20.0	250	112	123	80-120			M2
Matrix Spike Dup (2522015-MSD1)				**Source: E505260-05**					Prepared: 05/27/25 Analyzed: 05/27/25
Chloride	449	20.0	250	112	134	80-120	6.75	20	M2

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:	Parkway Gathering Leak	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	05/30/25 09:34

M2	Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

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

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

envirotech
Analytical Laboratory

Chain of Custody

WO# 1090174501

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Devon	Company: Devon Energy	Lab WO# E505261	Job Number 01058.0007	1D 2D 3D Std: x	NM: x CO UT TX
Project: Parkway Gathering Lea(k)	Address: 5315 Buena Vista Dr			
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: (575)689-7597			
City, State, Zip: Carlsbad NM, 88220	Email: jim.raley@dvn.com			
Phone: 575-988-0055	Miscellaneous: Jim Raley			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX		Sample Temp	Remarks
1414	5/21/2025	Soil	1	BH01 - 10'		1									X			3.3	
1452				BH01 - 12'		2									X			2.9	
1504				BH02 - 9'		3									X			3.3	
1033				BH03 - 6'		4									X			3.6	
1107				03 - 8'		5									X			3.3	
1542				03 - 10'		6									X			3.5	
1605				03 - 12.5'		7									X			4.7	

Analysis and Method

EPA Program: SDWA | CWA | RCRA

Compliance Y or N

PWSID #

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@dvn.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jhinkle@ensolum.com, akone@ensolum.com, jgonzales@ensolum.com, rrai@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: Jenna Hinkle

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Jenna Hinkle	5/22/2025	7:11	Michelle Gonzales	5-22-25	0711
Michelle Gonzales	5-22-25	1530		5-22-25	1530
	5-22-25	2145	Caitlin Mason	5-23-25	730

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

Lab Use Only

Received on ice: (Y)/N

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: 5/23/2025 8:45:18AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Devon Energy - Carlsbad	Date Received:	05/23/25 07:30	Work Order ID:	E505261
Phone:	(505) 382-1211	Date Logged In:	05/22/25 15:26	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	05/30/25 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	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

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? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling	Yes
13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.	

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

Report to:

Ashley Giovengo

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name:	Parkway Gathering Leak
Work Order:	E505280
Job Number:	01058-0007
Received:	5/27/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
5/30/25

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

Date Reported: 5/30/25

Ashley Giovengo
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Parkway Gathering Leak
Workorder: E505280
Date Received: 5/27/2025 7:15:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/27/2025 7:15:00AM, under the Project Name: Parkway Gathering Leak.

The analytical test results summarized in this report with the Project Name: Parkway Gathering Leak 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 reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

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

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Sample Summary

Devon Energy - Carlsbad	Project Name:	Parkway Gathering Leak	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	05/30/25 14:42

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH03-15'	E505280-01A	Soil	05/22/25	05/27/25	Glass Jar, 2 oz.

Sample Data

Devon Energy - Carlsbad	Project Name:	Parkway Gathering Leak	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	5/30/2025 2:42:17PM

BH03-15'

E505280-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2522038
Benzene	ND	0.0250	1	05/28/25	05/30/25	
Ethylbenzene	ND	0.0250	1	05/28/25	05/30/25	
Toluene	ND	0.0250	1	05/28/25	05/30/25	
o-Xylene	ND	0.0250	1	05/28/25	05/30/25	
p,m-Xylene	ND	0.0500	1	05/28/25	05/30/25	
Total Xylenes	ND	0.0250	1	05/28/25	05/30/25	
Surrogate: 4-Bromochlorobenzene-PID		*100 %*	*70-130*	*05/28/25*	*05/30/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2522038
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/28/25	05/30/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*110 %*	*70-130*	*05/28/25*	*05/30/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2522034
Diesel Range Organics (C10-C28)	ND	25.0	1	05/28/25	05/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/28/25	05/29/25	
Surrogate: n-Nonane		*113 %*	*61-141*	*05/28/25*	*05/29/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2522056
Chloride	**10900**	200	10	05/28/25	05/29/25	

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Parkway Gathering Leak	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	5/30/2025 2:42:17PM

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2522038-BLK1)									Prepared: 05/28/25 Analyzed: 05/29/25
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	*8.12*		*8.00*		*101*	*70-130*			
LCS (2522038-BS1)									Prepared: 05/28/25 Analyzed: 05/29/25
Benzene	4.87	0.0250	5.00		97.3	70-130			
Ethylbenzene	4.85	0.0250	5.00		97.1	70-130			
Toluene	4.86	0.0250	5.00		97.2	70-130			
o-Xylene	4.87	0.0250	5.00		97.3	70-130			
p,m-Xylene	9.86	0.0500	10.0		98.6	70-130			
Total Xylenes	14.7	0.0250	15.0		98.2	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.32*		*8.00*		*104*	*70-130*			
Matrix Spike (2522038-MS1)				**Source: E505278-06**					Prepared: 05/28/25 Analyzed: 05/29/25
Benzene	5.30	0.0250	5.00	ND	106	70-130			
Ethylbenzene	5.28	0.0250	5.00	ND	106	70-130			
Toluene	5.30	0.0250	5.00	ND	106	70-130			
o-Xylene	5.28	0.0250	5.00	ND	106	70-130			
p,m-Xylene	10.7	0.0500	10.0	ND	107	70-130			
Total Xylenes	16.0	0.0250	15.0	ND	107	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.20*		*8.00*		*103*	*70-130*			
Matrix Spike Dup (2522038-MSD1)				**Source: E505278-06**					Prepared: 05/28/25 Analyzed: 05/29/25
Benzene	6.06	0.0250	5.00	ND	121	70-130	13.3	27	
Ethylbenzene	6.05	0.0250	5.00	ND	121	70-130	13.6	26	
Toluene	6.06	0.0250	5.00	ND	121	70-130	13.4	20	
o-Xylene	6.02	0.0250	5.00	ND	120	70-130	13.0	25	
p,m-Xylene	12.2	0.0500	10.0	ND	122	70-130	13.2	23	
Total Xylenes	18.2	0.0250	15.0	ND	122	70-130	13.1	26	
Surrogate: 4-Bromochlorobenzene-PID	*8.20*		*8.00*		*103*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Parkway Gathering Leak	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	5/30/2025 2:42:17PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2522038-BLK1)									Prepared: 05/28/25 Analyzed: 05/29/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.37*		*8.00*		*105*	*70-130*			
LCS (2522038-BS2)									Prepared: 05/28/25 Analyzed: 05/29/25
Gasoline Range Organics (C6-C10)	45.0	20.0	50.0		90.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.51*		*8.00*		*106*	*70-130*			
Matrix Spike (2522038-MS2)				**Source: E505278-06**					Prepared: 05/28/25 Analyzed: 05/29/25
Gasoline Range Organics (C6-C10)	48.0	20.0	50.0	ND	96.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.50*		*8.00*		*106*	*70-130*			
Matrix Spike Dup (2522038-MSD2)				**Source: E505278-06**					Prepared: 05/28/25 Analyzed: 05/29/25
Gasoline Range Organics (C6-C10)	57.6	20.0	50.0	ND	115	70-130	18.3	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.90*		*8.00*		*111*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Parkway Gathering Leak	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	5/30/2025 2:42:17PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2522034-BLK1)									Prepared: 05/28/25 Analyzed: 05/28/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*55.2*		*50.0*		*110*	*61-141*			
LCS (2522034-BS1)									Prepared: 05/28/25 Analyzed: 05/28/25
Diesel Range Organics (C10-C28)	281	25.0	250		112	66-144			
Surrogate: n-Nonane	*54.4*		*50.0*		*109*	*61-141*			
Matrix Spike (2522034-MS1)				**Source: E505271-06**					Prepared: 05/28/25 Analyzed: 05/28/25
Diesel Range Organics (C10-C28)	283	25.0	250	ND	113	56-156			
Surrogate: n-Nonane	*54.8*		*50.0*		*110*	*61-141*			
Matrix Spike Dup (2522034-MSD1)				**Source: E505271-06**					Prepared: 05/28/25 Analyzed: 05/28/25
Diesel Range Organics (C10-C28)	278	25.0	250	ND	111	56-156	1.74	20	
Surrogate: n-Nonane	*55.0*		*50.0*		*110*	*61-141*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Parkway Gathering Leak	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	5/30/2025 2:42:17PM

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 (2522056-BLK1)									Prepared: 05/28/25 Analyzed: 05/29/25
Chloride	ND	20.0							
LCS (2522056-BS1)									Prepared: 05/28/25 Analyzed: 05/29/25
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2522056-MS1)				**Source: E505275-03**					Prepared: 05/28/25 Analyzed: 05/29/25
Chloride	361	20.0	250	112	99.7	80-120			
Matrix Spike Dup (2522056-MSD1)				**Source: E505275-03**					Prepared: 05/28/25 Analyzed: 05/29/25
Chloride	365	20.0	250	112	101	80-120	1.01	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:	Parkway Gathering Leak	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	05/30/25 14:42

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

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

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

envirotech
Analytical Laboratory

Chain of Custody

WO #1090174501

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Devon	Company: Devon Energy	Lab WO# E505280	Job Number 01058.0007	1D 2D 3D Std: x	NM: x CO UT TX
Project: Pathway Gathering Leak	Address: 5315 Buena Vista Dr			
Project Manager: Ashley Giovengo	City, State, Zip: Carlsbad NM, 88220			
Address: 3122 National Parks Hwy	Phone: (575)689-7597			
City, State, Zip: Carlsbad NM, 88220	Email: jim.raley@dvn.com			
Phone: 575-988-0055	Miscellaneous: Jim Raley			
Email: agiovengo@ensolum.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX		Sample Temp	Remarks
12:21	5/22/2025	Soil	1	BH03- 15'		1									X			4.6	

Analysis and Method

EPA Program

SDWA	CWA	RCRA

Compliance: Y or N

PWSID #

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@dvn.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com, jhinkle@ensolum.com, akone@ensolum.com, jgonzales@ensolum.com, rrai@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: Jenna Hinkle

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Jenna Hinkle	5/23/2025	7:00	Michelle Gonzales	5.23.25	0700
Michelle Gonzales	5.23.25	1640		5.23.25	1640
	5.23.25	2245	Caitlin Mason	5-27-25	715

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

Lab Use Only

Received on ice: (Y) / N

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: 5/27/2025 9:49:13AM

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:	05/27/25 07:15	Work Order ID:	E505280
Phone:	(505) 382-1211	Date Logged In:	05/23/25 16:47	Logged In By:	Noe Soto
Email:	agiovengo@ensolum.com	Due Date:	06/02/25 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

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? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling	Yes
13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.	

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

Report to:

Ashley Giovengo

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name:	Parkway Gathering Leak
Work Order:	E509030
Job Number:	01058-0007
Received:	9/5/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/11/25

Date Reported: 9/11/25

Ashley Giovengo
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Parkway Gathering Leak
Workorder: E509030
Date Received: 9/5/2025 8:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/5/2025 8:30:00AM, under the Project Name: Parkway Gathering Leak.

The analytical test results summarized in this report with the Project Name: Parkway Gathering Leak 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 reguarding 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

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Southern New Mexico Area

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

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Client Representative
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mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Devon Energy - Carlsbad	Project Name:	Parkway Gathering Leak	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	09/11/25 08:40

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH03-16'	E509030-01A	Soil	08/29/25	09/05/25	Glass Jar, 2 oz.

Sample Data

Devon Energy - Carlsbad	Project Name:	Parkway Gathering Leak	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	9/11/2025 8:40:17AM

BH03-16'

E509030-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2536077
Benzene	ND	0.0250	1	09/05/25	09/07/25	
Ethylbenzene	ND	0.0250	1	09/05/25	09/07/25	
Toluene	ND	0.0250	1	09/05/25	09/07/25	
o-Xylene	ND	0.0250	1	09/05/25	09/07/25	
p,m-Xylene	ND	0.0500	1	09/05/25	09/07/25	
Total Xylenes	ND	0.0250	1	09/05/25	09/07/25	
Surrogate: 4-Bromochlorobenzene-PID		*111 %*	*70-130*	*09/05/25*	*09/07/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2536077
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/05/25	09/07/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.9 %*	*70-130*	*09/05/25*	*09/07/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2536078
Diesel Range Organics (C10-C28)	ND	25.0	1	09/05/25	09/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/05/25	09/05/25	
Surrogate: n-Nonane		*94.7 %*	*61-141*	*09/05/25*	*09/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2536089
Chloride	**5850**	200	10	09/05/25	09/06/25	

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Parkway Gathering Leak	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	9/11/2025 8:40:17AM

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2536077-BLK1)									Prepared: 09/05/25 Analyzed: 09/07/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*8.77*		*8.00*		*110*	*70-130*			
LCS (2536077-BS1)									Prepared: 09/05/25 Analyzed: 09/07/25
Benzene	4.63	0.0250	5.00		92.5	70-130			
Ethylbenzene	4.61	0.0250	5.00		92.2	70-130			
Toluene	4.60	0.0250	5.00		92.0	70-130			
o-Xylene	4.68	0.0250	5.00		93.5	70-130			
p,m-Xylene	9.33	0.0500	10.0		93.3	70-130			
Total Xylenes	14.0	0.0250	15.0		93.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.73*		*8.00*		*109*	*70-130*			
Matrix Spike (2536077-MS1)				**Source: E509028-01**					Prepared: 09/05/25 Analyzed: 09/07/25
Benzene	4.65	0.0250	5.00	ND	93.0	70-130			
Ethylbenzene	4.64	0.0250	5.00	ND	92.8	70-130			
Toluene	4.63	0.0250	5.00	ND	92.5	70-130			
o-Xylene	4.71	0.0250	5.00	ND	94.2	70-130			
p,m-Xylene	9.39	0.0500	10.0	ND	93.9	70-130			
Total Xylenes	14.1	0.0250	15.0	ND	94.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.91*		*8.00*		*111*	*70-130*			
Matrix Spike Dup (2536077-MSD1)				**Source: E509028-01**					Prepared: 09/05/25 Analyzed: 09/07/25
Benzene	4.81	0.0250	5.00	ND	96.2	70-130	3.41	27	
Ethylbenzene	4.81	0.0250	5.00	ND	96.2	70-130	3.61	26	
Toluene	4.78	0.0250	5.00	ND	95.7	70-130	3.34	20	
o-Xylene	4.88	0.0250	5.00	ND	97.6	70-130	3.51	25	
p,m-Xylene	9.72	0.0500	10.0	ND	97.2	70-130	3.48	23	
Total Xylenes	14.6	0.0250	15.0	ND	97.4	70-130	3.49	26	
Surrogate: 4-Bromochlorobenzene-PID	*8.82*		*8.00*		*110*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Parkway Gathering Leak	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	9/11/2025 8:40:17AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2536077-BLK1)									Prepared: 09/05/25 Analyzed: 09/07/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.49*		*8.00*		*93.7*	*70-130*			
LCS (2536077-BS2)									Prepared: 09/05/25 Analyzed: 09/07/25
Gasoline Range Organics (C6-C10)	53.9	20.0	50.0		108	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.64*		*8.00*		*95.4*	*70-130*			
Matrix Spike (2536077-MS2)				**Source: E509028-01**					Prepared: 09/05/25 Analyzed: 09/07/25
Gasoline Range Organics (C6-C10)	53.8	20.0	50.0	ND	108	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.51*		*8.00*		*93.9*	*70-130*			
Matrix Spike Dup (2536077-MSD2)				**Source: E509028-01**					Prepared: 09/05/25 Analyzed: 09/07/25
Gasoline Range Organics (C6-C10)	53.0	20.0	50.0	ND	106	70-130	1.55	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.55*		*8.00*		*94.4*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Parkway Gathering Leak	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	9/11/2025 8:40:17AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2536078-BLK1)									Prepared: 09/05/25 Analyzed: 09/05/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*46.2*		*50.0*		*92.4*	*61-141*			
LCS (2536078-BS1)									Prepared: 09/05/25 Analyzed: 09/05/25
Diesel Range Organics (C10-C28)	245	25.0	250		97.9	66-144			
Surrogate: n-Nonane	*46.4*		*50.0*		*92.9*	*61-141*			
Matrix Spike (2536078-MS1)				**Source: E509027-01**					Prepared: 09/05/25 Analyzed: 09/05/25
Diesel Range Organics (C10-C28)	253	25.0	250	ND	101	56-156			
Surrogate: n-Nonane	*46.3*		*50.0*		*92.7*	*61-141*			
Matrix Spike Dup (2536078-MSD1)				**Source: E509027-01**					Prepared: 09/05/25 Analyzed: 09/05/25
Diesel Range Organics (C10-C28)	254	25.0	250	ND	102	56-156	0.373	20	
Surrogate: n-Nonane	*45.7*		*50.0*		*91.4*	*61-141*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Parkway Gathering Leak	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	9/11/2025 8:40:17AM

Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2536089-BLK1)									Prepared: 09/05/25 Analyzed: 09/05/25
Chloride	ND	20.0							
LCS (2536089-BS1)									Prepared: 09/05/25 Analyzed: 09/05/25
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2536089-MS1)				**Source: E509023-44**					Prepared: 09/05/25 Analyzed: 09/05/25
Chloride	387	100	250	136	100	80-120			
Matrix Spike Dup (2536089-MSD1)				**Source: E509023-44**					Prepared: 09/05/25 Analyzed: 09/05/25
Chloride	409	100	250	136	109	80-120	5.59	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:	Parkway Gathering Leak	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	09/11/25 08:40

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

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

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

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Devon	Company: Devon Energy	Lab WO# E509030	1D 2D 3D Std: x	NM: x; CO UT TX
Project: Parkway Gathering Leak	Address: 5315 Buena Vista Dr	Job Number 01058-0007		
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				

Analysis and Method: DRO/ORO by 8015; GRO/DRO by 8015; BTEX by 8021; VOC by 8260; Chloride 300.0; TCEQ 1005 - TX; RCRA 8 Metals; BGDOC - NM; BGDOC - TX

EPA Program: SDWA | CWA | RCRA

Compliance: Y or N

PWSID #

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	BGDOC - NM	Sample Temp	Remarks
1002	8/29/25	S	1	BH03-16'		1	x	1.5	cost center: 1090174501

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	9/4/25	700	Michelle Gonzales	9-4-25	0700
Michelle Gonzales	9-4-25	1445	Marissa Gonzales	9-4-25	1445
Marissa Gonzales	9-4-25	1820	Andrew Musso	9.4.25	1820
Andrew Musso	9.4.25	2330	Cath Nava	9.5.25	830
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

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

Lab Use Only

Received on ice: (Y) N

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: 9/5/2025 9:40:03AM

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:	09/05/25 08:30	Work Order ID:	E509030
Phone:	(505) 382-1211	Date Logged In:	09/04/25 15:46	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	09/11/25 07:00 (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	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

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? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling	Yes
13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.	

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

Report to:

Ashley Giovengo

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name:	Parkway Gathering Leak
Work Order:	E509031
Job Number:	01058-0007
Received:	9/5/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/11/25

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

Date Reported: 9/11/25

Ashley Giovengo
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Parkway Gathering Leak
Workorder: E509031
Date Received: 9/5/2025 8:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/5/2025 8:30:00AM, under the Project Name: Parkway Gathering Leak.

The analytical test results summarized in this report with the Project Name: Parkway Gathering Leak 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 reguarding 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

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ljarboe@envirotech-inc.com

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Client Representative
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Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Devon Energy - Carlsbad	Project Name:	Parkway Gathering Leak	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	09/11/25 08:41

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH03-20'	E509031-01A	Soil	08/29/25	09/05/25	Glass Jar, 2 oz.

Sample Data

Devon Energy - Carlsbad	Project Name:	Parkway Gathering Leak	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	9/11/2025 8:41:50AM

BH03-20'

E509031-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2536077
Benzene	ND	0.0250	1	09/05/25	09/07/25	
Ethylbenzene	ND	0.0250	1	09/05/25	09/07/25	
Toluene	ND	0.0250	1	09/05/25	09/07/25	
o-Xylene	ND	0.0250	1	09/05/25	09/07/25	
p,m-Xylene	ND	0.0500	1	09/05/25	09/07/25	
Total Xylenes	ND	0.0250	1	09/05/25	09/07/25	
Surrogate: 4-Bromochlorobenzene-PID		*114 %*	*70-130*	*09/05/25*	*09/07/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2536077
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/05/25	09/07/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.9 %*	*70-130*	*09/05/25*	*09/07/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2536078
Diesel Range Organics (C10-C28)	ND	25.0	1	09/05/25	09/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/05/25	09/05/25	
Surrogate: n-Nonane		*94.8 %*	*61-141*	*09/05/25*	*09/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2536089
Chloride	**293**	200	10	09/05/25	09/06/25	

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Parkway Gathering Leak	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	9/11/2025 8:41:50AM

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2536077-BLK1)									Prepared: 09/05/25 Analyzed: 09/07/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*8.77*		*8.00*		*110*	*70-130*			
LCS (2536077-BS1)									Prepared: 09/05/25 Analyzed: 09/07/25
Benzene	4.63	0.0250	5.00		92.5	70-130			
Ethylbenzene	4.61	0.0250	5.00		92.2	70-130			
Toluene	4.60	0.0250	5.00		92.0	70-130			
o-Xylene	4.68	0.0250	5.00		93.5	70-130			
p,m-Xylene	9.33	0.0500	10.0		93.3	70-130			
Total Xylenes	14.0	0.0250	15.0		93.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.73*		*8.00*		*109*	*70-130*			
Matrix Spike (2536077-MS1)				**Source: E509028-01**					Prepared: 09/05/25 Analyzed: 09/07/25
Benzene	4.65	0.0250	5.00	ND	93.0	70-130			
Ethylbenzene	4.64	0.0250	5.00	ND	92.8	70-130			
Toluene	4.63	0.0250	5.00	ND	92.5	70-130			
o-Xylene	4.71	0.0250	5.00	ND	94.2	70-130			
p,m-Xylene	9.39	0.0500	10.0	ND	93.9	70-130			
Total Xylenes	14.1	0.0250	15.0	ND	94.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.91*		*8.00*		*111*	*70-130*			
Matrix Spike Dup (2536077-MSD1)				**Source: E509028-01**					Prepared: 09/05/25 Analyzed: 09/07/25
Benzene	4.81	0.0250	5.00	ND	96.2	70-130	3.41	27	
Ethylbenzene	4.81	0.0250	5.00	ND	96.2	70-130	3.61	26	
Toluene	4.78	0.0250	5.00	ND	95.7	70-130	3.34	20	
o-Xylene	4.88	0.0250	5.00	ND	97.6	70-130	3.51	25	
p,m-Xylene	9.72	0.0500	10.0	ND	97.2	70-130	3.48	23	
Total Xylenes	14.6	0.0250	15.0	ND	97.4	70-130	3.49	26	
Surrogate: 4-Bromochlorobenzene-PID	*8.82*		*8.00*		*110*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Parkway Gathering Leak	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	9/11/2025 8:41:50AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2536077-BLK1)									Prepared: 09/05/25 Analyzed: 09/07/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.49*		*8.00*		*93.7*	*70-130*			
LCS (2536077-BS2)									Prepared: 09/05/25 Analyzed: 09/07/25
Gasoline Range Organics (C6-C10)	53.9	20.0	50.0		108	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.64*		*8.00*		*95.4*	*70-130*			
Matrix Spike (2536077-MS2)				**Source: E509028-01**					Prepared: 09/05/25 Analyzed: 09/07/25
Gasoline Range Organics (C6-C10)	53.8	20.0	50.0	ND	108	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.51*		*8.00*		*93.9*	*70-130*			
Matrix Spike Dup (2536077-MSD2)				**Source: E509028-01**					Prepared: 09/05/25 Analyzed: 09/07/25
Gasoline Range Organics (C6-C10)	53.0	20.0	50.0	ND	106	70-130	1.55	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.55*		*8.00*		*94.4*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Parkway Gathering Leak	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	9/11/2025 8:41:50AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2536078-BLK1)									Prepared: 09/05/25 Analyzed: 09/05/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*46.2*		*50.0*		*92.4*	*61-141*			
LCS (2536078-BS1)									Prepared: 09/05/25 Analyzed: 09/05/25
Diesel Range Organics (C10-C28)	245	25.0	250		97.9	66-144			
Surrogate: n-Nonane	*46.4*		*50.0*		*92.9*	*61-141*			
Matrix Spike (2536078-MS1)				**Source: E509027-01**					Prepared: 09/05/25 Analyzed: 09/05/25
Diesel Range Organics (C10-C28)	253	25.0	250	ND	101	56-156			
Surrogate: n-Nonane	*46.3*		*50.0*		*92.7*	*61-141*			
Matrix Spike Dup (2536078-MSD1)				**Source: E509027-01**					Prepared: 09/05/25 Analyzed: 09/05/25
Diesel Range Organics (C10-C28)	254	25.0	250	ND	102	56-156	0.373	20	
Surrogate: n-Nonane	*45.7*		*50.0*		*91.4*	*61-141*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Parkway Gathering Leak	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	9/11/2025 8:41:50AM

Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2536089-BLK1)									Prepared: 09/05/25 Analyzed: 09/05/25
Chloride	ND	20.0							
LCS (2536089-BS1)									Prepared: 09/05/25 Analyzed: 09/05/25
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2536089-MS1)				**Source: E509023-44**					Prepared: 09/05/25 Analyzed: 09/05/25
Chloride	387	100	250	136	100	80-120			
Matrix Spike Dup (2536089-MSD1)				**Source: E509023-44**					Prepared: 09/05/25 Analyzed: 09/05/25
Chloride	409	100	250	136	109	80-120	5.59	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:	Parkway Gathering Leak	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	09/11/25 08:41

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

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

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

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Devon	Company: Devon Energy	Lab WO# E509031	1D 2D 3D Std	NM CO UT TX
Project: Parkway Gathering Leak	Address: 5315 Buena Vista Dr	Job Number 10058.0007	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	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX		SDWA / CWA / RCRA
																		Compliance Y or N
																		PWSID #
1003	8/29/25	S	1	BH03-20'		1									x		2.1	Sample Temp / Remarks: Cost Center: 109017450

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Uriel Santillana	9/1/25	700	Michelle Gonzales	9-4-25	0700
Michelle Gonzales	9-4-25	1445	Marissa Gonzales	9-4-25	1445
Marissa Gonzales	9-4-25	1820	Andrew Musso	9-4-25	1820
Andrew Musso	9-4-25	2330	Cuth Mar	9-5-25	830
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

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

Lab Use Only
Received on ice: (Y) N

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: 9/5/2025 9:43:29AM

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:	09/05/25 08:30	Work Order ID:	E509031
Phone:	(505) 382-1211	Date Logged In:	09/04/25 15:49	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	09/11/25 07:00 (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	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

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? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling	Yes
13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.	

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

Report to:

Ashley Giovengo

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name:	Parkway Gathering Leak
Work Order:	E509032
Job Number:	01058-0007
Received:	9/5/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/11/25

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

Date Reported: 9/11/25

Ashley Giovengo
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Parkway Gathering Leak
Workorder: E509032
Date Received: 9/5/2025 8:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/5/2025 8:30:00AM, under the Project Name: Parkway Gathering Leak.

The analytical test results summarized in this report with the Project Name: Parkway Gathering Leak 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 reguarding 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
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Sample Summary

Devon Energy - Carlsbad	Project Name:	Parkway Gathering Leak	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	09/11/25 08:43

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH03-21'	E509032-01A	Soil	08/29/25	09/05/25	Glass Jar, 2 oz.

Sample Data

Devon Energy - Carlsbad	Project Name:	Parkway Gathering Leak	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	9/11/2025 8:43:31AM

BH03-21'

E509032-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2536077
Benzene	ND	0.0250	1	09/05/25	09/07/25	
Ethylbenzene	ND	0.0250	1	09/05/25	09/07/25	
Toluene	ND	0.0250	1	09/05/25	09/07/25	
o-Xylene	ND	0.0250	1	09/05/25	09/07/25	
p,m-Xylene	ND	0.0500	1	09/05/25	09/07/25	
Total Xylenes	ND	0.0250	1	09/05/25	09/07/25	
Surrogate: 4-Bromochlorobenzene-PID		*113 %*	*70-130*	*09/05/25*	*09/07/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2536077
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/05/25	09/07/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.0 %*	*70-130*	*09/05/25*	*09/07/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2536078
Diesel Range Organics (C10-C28)	ND	25.0	1	09/05/25	09/05/25	
Oil Range Organics (C28-C36)	ND	50.0	1	09/05/25	09/05/25	
Surrogate: n-Nonane		*93.6 %*	*61-141*	*09/05/25*	*09/05/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY			Batch: 2536089
Chloride	**226**	200	10	09/05/25	09/06/25	

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Parkway Gathering Leak	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	9/11/2025 8:43:31AM

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2536077-BLK1)									Prepared: 09/05/25 Analyzed: 09/07/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*8.77*		*8.00*		*110*	*70-130*			
LCS (2536077-BS1)									Prepared: 09/05/25 Analyzed: 09/07/25
Benzene	4.63	0.0250	5.00		92.5	70-130			
Ethylbenzene	4.61	0.0250	5.00		92.2	70-130			
Toluene	4.60	0.0250	5.00		92.0	70-130			
o-Xylene	4.68	0.0250	5.00		93.5	70-130			
p,m-Xylene	9.33	0.0500	10.0		93.3	70-130			
Total Xylenes	14.0	0.0250	15.0		93.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.73*		*8.00*		*109*	*70-130*			
Matrix Spike (2536077-MS1)				**Source: E509028-01**					Prepared: 09/05/25 Analyzed: 09/07/25
Benzene	4.65	0.0250	5.00	ND	93.0	70-130			
Ethylbenzene	4.64	0.0250	5.00	ND	92.8	70-130			
Toluene	4.63	0.0250	5.00	ND	92.5	70-130			
o-Xylene	4.71	0.0250	5.00	ND	94.2	70-130			
p,m-Xylene	9.39	0.0500	10.0	ND	93.9	70-130			
Total Xylenes	14.1	0.0250	15.0	ND	94.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.91*		*8.00*		*111*	*70-130*			
Matrix Spike Dup (2536077-MSD1)				**Source: E509028-01**					Prepared: 09/05/25 Analyzed: 09/07/25
Benzene	4.81	0.0250	5.00	ND	96.2	70-130	3.41	27	
Ethylbenzene	4.81	0.0250	5.00	ND	96.2	70-130	3.61	26	
Toluene	4.78	0.0250	5.00	ND	95.7	70-130	3.34	20	
o-Xylene	4.88	0.0250	5.00	ND	97.6	70-130	3.51	25	
p,m-Xylene	9.72	0.0500	10.0	ND	97.2	70-130	3.48	23	
Total Xylenes	14.6	0.0250	15.0	ND	97.4	70-130	3.49	26	
Surrogate: 4-Bromochlorobenzene-PID	*8.82*		*8.00*		*110*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Parkway Gathering Leak	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	9/11/2025 8:43:31AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2536077-BLK1)									Prepared: 09/05/25 Analyzed: 09/07/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.49*		*8.00*		*93.7*	*70-130*			
LCS (2536077-BS2)									Prepared: 09/05/25 Analyzed: 09/07/25
Gasoline Range Organics (C6-C10)	53.9	20.0	50.0		108	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.64*		*8.00*		*95.4*	*70-130*			
Matrix Spike (2536077-MS2)				**Source: E509028-01**					Prepared: 09/05/25 Analyzed: 09/07/25
Gasoline Range Organics (C6-C10)	53.8	20.0	50.0	ND	108	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.51*		*8.00*		*93.9*	*70-130*			
Matrix Spike Dup (2536077-MSD2)				**Source: E509028-01**					Prepared: 09/05/25 Analyzed: 09/07/25
Gasoline Range Organics (C6-C10)	53.0	20.0	50.0	ND	106	70-130	1.55	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.55*		*8.00*		*94.4*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Parkway Gathering Leak	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	9/11/2025 8:43:31AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2536078-BLK1)									Prepared: 09/05/25 Analyzed: 09/05/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*46.2*		*50.0*		*92.4*	*61-141*			
LCS (2536078-BS1)									Prepared: 09/05/25 Analyzed: 09/05/25
Diesel Range Organics (C10-C28)	245	25.0	250		97.9	66-144			
Surrogate: n-Nonane	*46.4*		*50.0*		*92.9*	*61-141*			
Matrix Spike (2536078-MS1)				**Source: E509027-01**					Prepared: 09/05/25 Analyzed: 09/05/25
Diesel Range Organics (C10-C28)	253	25.0	250	ND	101	56-156			
Surrogate: n-Nonane	*46.3*		*50.0*		*92.7*	*61-141*			
Matrix Spike Dup (2536078-MSD1)				**Source: E509027-01**					Prepared: 09/05/25 Analyzed: 09/05/25
Diesel Range Organics (C10-C28)	254	25.0	250	ND	102	56-156	0.373	20	
Surrogate: n-Nonane	*45.7*		*50.0*		*91.4*	*61-141*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Parkway Gathering Leak	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	9/11/2025 8:43:31AM

Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2536089-BLK1)									Prepared: 09/05/25 Analyzed: 09/05/25
Chloride	ND	20.0							
LCS (2536089-BS1)									Prepared: 09/05/25 Analyzed: 09/05/25
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2536089-MS1)				**Source: E509023-44**					Prepared: 09/05/25 Analyzed: 09/05/25
Chloride	387	100	250	136	100	80-120			
Matrix Spike Dup (2536089-MSD1)				**Source: E509023-44**					Prepared: 09/05/25 Analyzed: 09/05/25
Chloride	409	100	250	136	109	80-120	5.59	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:	Parkway Gathering Leak	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	09/11/25 08:43

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

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

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

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Devon	Company: Devon Energy	Lab WO# E509032005000007	1D 2D 3D Std: x	NM: x; CO UT TX
Project: Parkway Gathering Leak	Address: 5315 Buena Vista Dr	Job Number		
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				

Analysis and Method

EPA Program: SDWA | CWA | RCRA

Compliance Y or N

PWSID #

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX		Sample Temp	Remarks
1014	8/29/25	S	1	BH03-21'		1									X			29	cost center: 1090174501

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	9/4/25	700	Michelle Gonzales	9-4-25	0700
Michelle Gonzales	9-4-25	1445	Marissa Gonzales	9-4-25	1445
Marissa Gonzales	9-4-25	1820	Andrew Musso	9.4.25	1820
Andrew Musso	9.4.25	2330	Caitlin Mar	9.5.25	830
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

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

Lab Use Only

Received on ice: (Y) / N

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: 9/5/2025 9:45:09AM

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:	09/05/25 08:30	Work Order ID:	E509032
Phone:	(505) 382-1211	Date Logged In:	09/04/25 15:52	Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	09/11/25 07:00 (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	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

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? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling	Yes
13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.	

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

ENSOLUM

APPENDIX G

NMOCD Correspondence

From: Hamlet, Robert, EMNRD
To: Cole Burton
Cc: Raley, Jim; Ashley Giovengo; Bratcher, Michael, EMNRD; Wells, Shelly, EMNRD
Subject: (Extension Approval) - Devon Energy Production Company, LP - Parkway Gathering Leak - nAPP2510026094
Date: Monday, July 7, 2025 1:23:15 PM
Attachments: image006.png
image007.png
image008.png

[**EXTERNAL EMAIL**]

RE: Incident **#NAPP2510026094 PARKWAY GATHERING LEAK**

Cole,

A 90-day extension is approved. Please have a remediation closure report uploaded to the OCD Permitting Portal no later than **October 6th, 2025**. Include this e-mail correspondence in the report.

Robert Hamlet ● Environmental Specialist - Advanced
Environmental Bureau
EMNRD - Oil Conservation Division
506 W. Texas Ave.| Artesia, NM 88210
575.909.0302 | robert.hamlet@emnrd.nm.gov
http://www.emnrd.state.nm.us/OCD/

From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Monday, July 7, 2025 10:42 AM
To: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: FW: [EXTERNAL] Extension Request - Devon Energy Production Company, LP - Parkway Gathering Leak - nAPP2510026094

From: Cole Burton <cburton@ensolum.com>
Sent: Monday, July 7, 2025 10:39 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; Raley, Jim <Jim.Raley@dvn.com>
Cc: Ashley Giovengo <agiovengo@ensolum.com>

Subject: [EXTERNAL] Extension Request - Devon Energy Production Company, LP - Parkway Gathering Leak - nAPP2510026094

Hello All,

Devon Energy Production Company, LP (Devon) is requesting an extension for the current deadline of June 25, 2025, for submitting a remediation work plan or closure report required in 19.15.29.12.B.(1) NMAC at the Parkway Gathering Leak (Site) (Incident Number nAPP2510026094). The release occurred on April 8, 2025, and 22 barrels (bbls) of produced water were released; 0 bbls of produced water were recovered. The release impacted an off-pad area within a pipeline Right-of-Way (ROW). The release extent measures approximately 2,513 square feet in size. A desktop environmental review was completed by CEHMM and there were no environmental recommendations for the area. An Archaeological Records Management System (ARMS) review was completed by Beaver Creek Archeology & Environmental on March 7, 2025, and the findings were negative. A Right of Entry permit was submitted to the New Mexico State Land Office and a karst survey has been requested from Advanced Geophysics. According to the New Mexico Office of the State Engineer (NMOSE), the closest well with available depth to groundwater (DTW) data is CP 01934, which is located 2.4 miles east of the Site. The reported DTW at CP 01934 is greater than 55 feet below ground surface (bgs). Lateral delineation soil sampling in accordance with the strictest Closure Criteria per NMOCD Table I criteria has been completed at the Site and vertical delineation soil sampling is ongoing. Devon will complete remediation of the subject matter release and submit a remediation work plan or closure report upon receiving final laboratory analytical data from confirmation sampling activities. Please let me know if you have any further questions regarding this site.

Thanks,

Cole Burton
Project Manager
575-706-5056
Ensolum, LLC

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 509332

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 509332
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2510026094**
Incident Name	**NAPP2510026094 PARKWAY GATHERING LEAK @ O-20-19S-29E 25N 150W**
Incident Type	**Produced Water Release**
Incident Status	**Remediation Plan Received**

Location of Release Source *Please answer all the questions in this group.*	
Site Name	Parkway Gathering Leak
Date Release Discovered	04/08/2025
Surface Owner	State

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

Nature and Volume of Release *Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.*	
Crude Oil Released (bbls) Details	*Not answered.*
Produced Water Released (bbls) Details	Cause: Equipment Failure | Valve | Produced Water | Released: 22 BBL | Recovered: 0 BBL | Lost: 22 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	*Not answered.*
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	*Not answered.*
Other Released Details	*Not answered.*
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Gathering line offsite developed leak from valve. Allowed fluids to impact soils.

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 (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 509332
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	**No, according to supplied volumes this does not appear to be a "gas only" report.**
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	**No**
Reasons why this would be considered a submission for a notification of a major release	*Unavailable.*
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	*Not answered.*
Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.	

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

I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 09/25/2025

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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

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 509332
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between ½ and 1 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 300 and 500 (ft.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between ½ and 1 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Critical
A 100-year floodplain	Between 1000 (ft.) and ½ (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Remediation Plan	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
Requesting a remediation plan approval with this submission	Yes
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.	
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)	16000
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0
GRO+DRO (EPA SW-846 Method 8015M)	0
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
On what estimated date will the remediation commence	11/03/2025
On what date will (or did) the final sampling or liner inspection occur	11/07/2025
On what date will (or was) the remediation complete(d)	11/07/2025
What is the estimated surface area (in square feet) that will be reclaimed	3014
What is the estimated volume (in cubic yards) that will be reclaimed	412
What is the estimated surface area (in square feet) that will be remediated	3014
What is the estimated volume (in cubic yards) that will be remediated	412
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.	
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 509332
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

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	fEEM0112334510 HALFWAY DISPOSAL AND LANDFILL
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: 09/25/2025
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 (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 509332
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

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

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QUESTIONS (continued)

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	6137
	Action Number: 509332
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	*{Unavailable.}*

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

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 509332
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	The Remediation Plan is Conditionally Approved. The Variance Request to use the Environmental Karst Study to ultimately determine the site as “stable” is approved. Any area designated as a “release extent” or “release area” will need to have confirmation samples conducted within the entire boundary of that area. Please collect confirmation samples, representing no more than 200 ft2. All samples must be analyzed for all constituents listed in Table I of 19.15.29.12 NMAC. Floor confirmation samples should be delineated/excavated to meet closure criteria standards from Table 1 of the OCD Spill Rule for site receptor characterization/proven depth to water determination. Please make sure that the edge of the release extent is accurately defined. Sidewall/edge samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. The work will need to be completed in 90 days after the report has been reviewed.	11/6/2025