



May 30, 2025

**New Mexico Oil Conservation Division**

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

**Re: Closure Request  
TGR Pipeline Spill  
Incident Number: nAPP2434748534  
Lea County, New Mexico**

To Whom it May Concern:

Ensolum, LLC (Ensolum), on behalf of Devon Energy Production Company, LP (Devon), has prepared this *Closure Request* to document excavation and soil sampling activities performed to address a produced water release at the TGR Pipeline Spill within a pipeline right-of-way (ROW; Site). Based on the excavation activities and analytical results from the soil sampling events, Devon is submitting this *Closure Request*, describing remediation that has occurred and requesting closure for Incident Numbers nAPP2434748534.

## **BACKGROUND**

The Site is located in Unit D, Section 15, Township 23 South, Range 33 East, in Lea County, New Mexico (32.30948°, -103.56722°) 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 December 11, 2024, a produced water gathering line had a failure, which resulted in the release of approximately 55 barrels (bbls) of produced water onto an off-pad pasture area. Devon reported the release to the New Mexico Oil Conservation Division (NMOCD) via the NMOCD Portal on December 18, 2024, and the release was assigned Incident Number nAPP2434748534.

## **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. Potential Site receptors are identified on Figure 1.

Depth to groundwater at the Site is estimated to be greater than 105 feet below ground surface (bgs) based on a soil boring completed by Atkins Engineering Associates Inc. Soil boring CP-04664 POD1 was completed on September 7, 2022. Soil boring C-04923 POD1 is located approximately 969 feet north of the Site. The soil boring was drilled to a total depth of 105 feet bgs and was dry. 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. The location of the boring is presented on Figure 1, and the referenced well record is included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is an intermittent dry wash, located approximately 2,534 feet southeast of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (low potential karst designation area). Site receptors are identified on Figure 1.

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

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

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

## **SITE ASSESSMENT AND DELINEATION SOIL SAMPLING ACTIVITIES**

Beginning on December 12, 2024, Ensolum personnel were onsite to delineate the extent of waste-containing soil as indicated by field screening and laboratory analytical results. Eight boreholes/potholes (BH01/PH01 through BH08/PH08) were advanced via hand auger within the release extent to assess the vertical extent of the release. Delineation soil samples were collected from each at depths ranging from ground surface to 20 feet bgs. Nine delineation soil samples (SS01 through SS09) were collected from areas surrounding the release extent to verify the lateral extent at ground surface. All delineation soil samples were field screened for chloride using Hach® chloride QuanTab® test strips. Field screening results and observations for the boreholes were logged on lithologic/soil sampling logs, which are included in Appendix B. Photographic documentation of delineation activities is included in Appendix C.

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 chemicals of concern (COCs): BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-GRO, TPH-DRO, and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method 300.0.

## **LABORATORY ANALYTICAL RESULTS**

All lateral delineation soil samples were in compliance with the strictest Closure Criteria at ground surface. Laboratory analytical results for delineation soil samples collected from boreholes/potholes BH01/PH01 through BH08/PH08 contained TPH and/or chloride concentrations exceeding the reclamation requirement. The subsurface samples collected from the boreholes/potholes were in compliance with the Closure Criteria and reclamation requirement at 4 feet bgs.

As a result, waste-containing soil was identified in the top 4 feet of the pasture area and excavation was necessary to support reclamation requirements. Laboratory results are summarized in Table 1 and laboratory analytical reports are included in Appendix D.

## EXCAVATION AND CONFIRMATION SOIL SAMPLING ACTIVITIES

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 E).

The excavation of impacted soil was completed utilizing a tracked excavator, loader, hydro-vac, and belly dump trucks. To direct excavation activities, soil was field screened for TPH utilizing a PetroFLAG® soil analyzer system and chloride utilizing test strips. The excavation depth was determined by delineation sampling to be 4 feet bgs. Photographic documentation of excavation activities is included in Appendix C.

Beginning on April 24, 2025, 5-point composite confirmation samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. Composite soil samples SW01 through SW32 were collected from the sidewalls of the excavation in the top 4 feet of the subsurface, with depths ranging from ground surface to 4 feet bgs. Composite soil samples FS01 through FS76 were collected from the floor of the excavation at a depth of 4 feet bgs. The soil samples were collected, handled, and analyzed following the same procedures as described above.

The final excavation extent measured approximately 14,836 square feet. A total of approximately 3,214 cubic yards of waste-containing soil was removed during the excavation activities. The waste-containing soil was transported and properly disposed of at the Northern Delaware Basin Landfill. The excavation extent and excavation soil sample locations are presented in Figure 3.

## LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for excavation sidewall samples SW01 through SW32 and excavation floor samples FS01 through FS76 indicated all COC concentrations were compliant with the Site Closure Criteria and in compliance with the reclamation requirement. Laboratory analytical results are summarized in Tables 2 and 3 and laboratory analytical reports are included as Appendix D.

## RECLAMATION PLAN

The entire release occurred off pad in the pasture, and as such, a reclamation requirement of 600 mg/kg chloride and 100 mg/kg TPH were applied to the top 4 feet of the subsurface that was impacted by the release per 19.15.29.13.D (1) NMAC for the top 4 feet of areas that will be reclaimed following remediation. The following Reclamation Plan proposes reclamation of the excavated area:

- The excavation will be backfilled with locally sourced caliche and topsoil to match surrounding grade. Approximately 1-foot of topsoil will be placed on top of the caliche to support vegetative growth within the disturbed area;
- Soil in the vicinity of the release includes: Berino-Cacique loamy fine sands association, Simona fine sandy loam, 0 to 3 percent slopes and Tonuco loamy fine sand, 0 to 3 percent slopes according to the United States Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS) Web Soil Survey completed on March 10, 2025;

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- The backfilled areas will be seeded utilizing a weed-free seed mix designed by the NMSLO to meet reclamation standards for this region, which will be: NMSLO Sandy Loam (SL) Mixture;
- The seed mixture will be distributed with either a push broadcaster seed spreader, tractor operated broadcast seed spreader, drill seeding, or other means;
- Application of the seed mixture will be at a coverage of 10 pounds of seeds per acre of reclaimed pasture with distribution by a drilling method or 20 pounds of seeds per acre of reclaimed pasture with distribution by a broadcast method;
- Erosion control management is not anticipated, but if needed, will potentially include:
  - The placement of wattles in areas with a propensity for high run off rates;
  - Straw cover if high winds are anticipated to support moisture retention and limit wind from blowing seeds away before they have had time to germinate; and/or
  - Other erosional control best management practices (BMP) as necessary to support timely and healthy regrowth of vegetation in disturbed areas;
- Seeding is anticipated to be completed in the Spring when temperatures and precipitation is most conducive for vegetation growth. In general, seeding should occur approximately one month after the last frost in the Spring up until approximately one month prior to the first fall frost. NMSLO has recognized the optimal time to seed is between July and early September, which will be adhered to for this Site;
- Annual inspections (at a minimum) will take place on the location until revegetation is consistent with local natural vegetation density. The Site will be inspected the following Fall to assess the success of regrowth. If necessary, an additional application of the NMSLO-approved pure live seed mixture will be applied as well as any needed BMPs will be installed to support growth and limit erosion;
- Upon completion of revegetation, a copy of the C-103 submitted to NMOCD will also be submitted to NMSLO for final inspection and release.

## CLOSURE REQUEST

Site assessment and excavation activities were conducted at the Site to address the December 2024 release of produced water. Following remediation efforts, 76 composite confirmation floor soil samples (FS01 through FS76) and 32 composite confirmation sidewall samples (SW01 through SW32) were collected. Laboratory analytical results for the excavation soil samples, collected from the final excavation extent, indicated all COC concentrations were in compliance with Site Closure Criteria and with the reclamation requirement in the top 4 feet of soil. Based on the soil sample analytical results, no further remediation was required. Reclamation will be completed as described above.

Based on horizontal and vertical delineation sampling, depth to groundwater greater than 105 feet bgs, and confirmation soil sample laboratory analytical results in compliance with their respective Closure Criteria and reclamation requirement, Devon believes these remedial actions have been protective of human health, the environment, and groundwater. As such, Devon respectfully requests closure for Incident Numbers nAPP2434748534.

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



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Sincerely,  
**Ensolum, LLC**

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

Ashley Giovengo  
Associate Principal

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

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 Excavation Soil Sample Locations

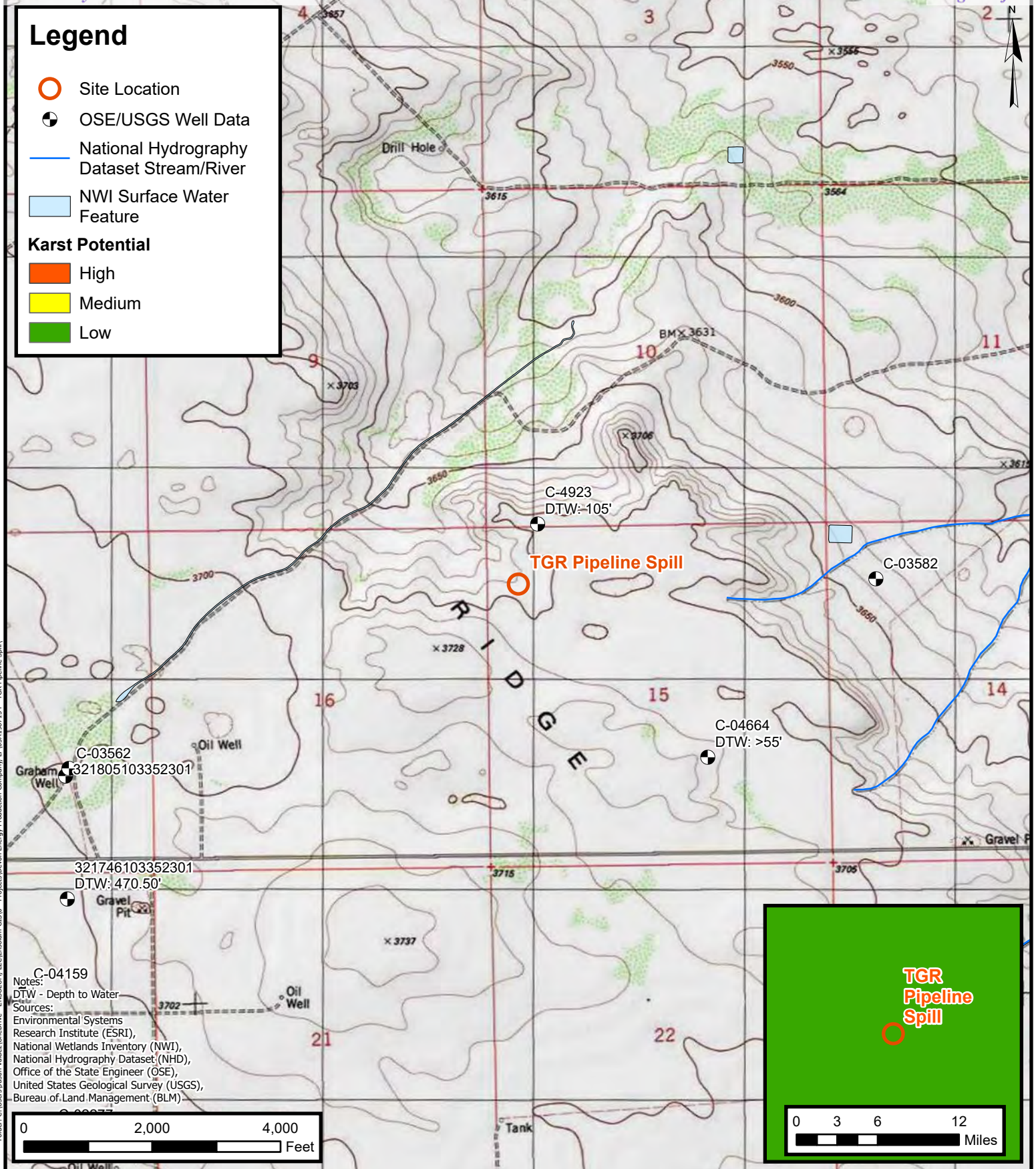
Table 1 Soil Sample Analytical Results (Delineation Soil Samples)  
Table 2 Soil Sample Analytical Results (Confirmation Soil Samples)  
Table 3 Soil Sample Analytical Results (Sidewall Soil Samples)  
Table 4 Soil Sample Analytical Results (Backfill Soil Samples)

Appendix A Well Log and Record  
Appendix B Lithologic Soil Sampling Logs  
Appendix C Photographic Log  
Appendix D Laboratory Analytical Reports & Chain-of-Custody Documentation  
Appendix E NMSLO Cultural Resources Cover Sheet  
Appendix F NMOCD Correspondence



FIGURES

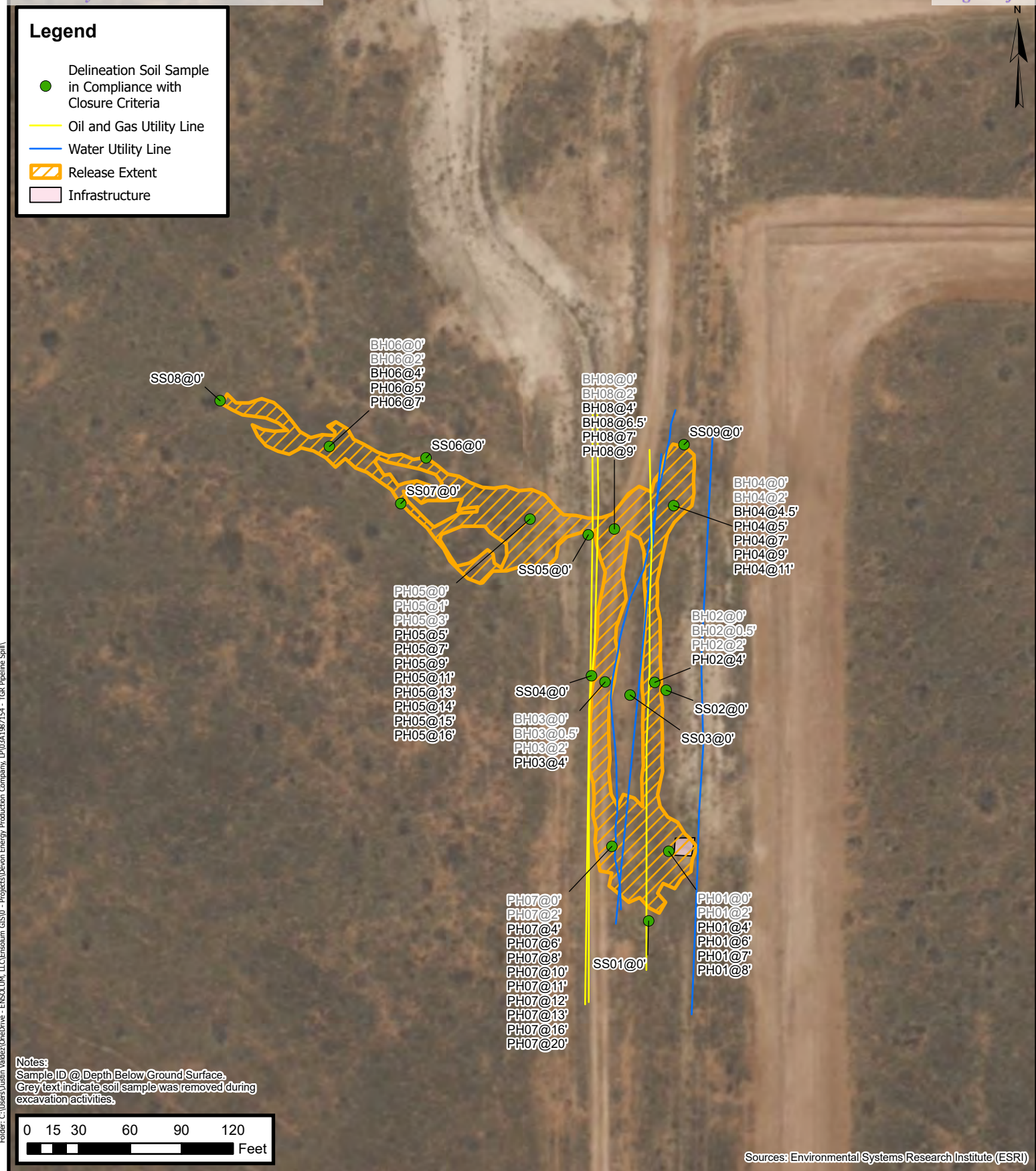
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**Site Receptor Map**  
Devon Energy Production Company, LP  
TGR Pipeline Spill  
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Unit D, Section 15, T 23S, R 33E  
Lea County, New Mexico

**FIGURE**  
**1**



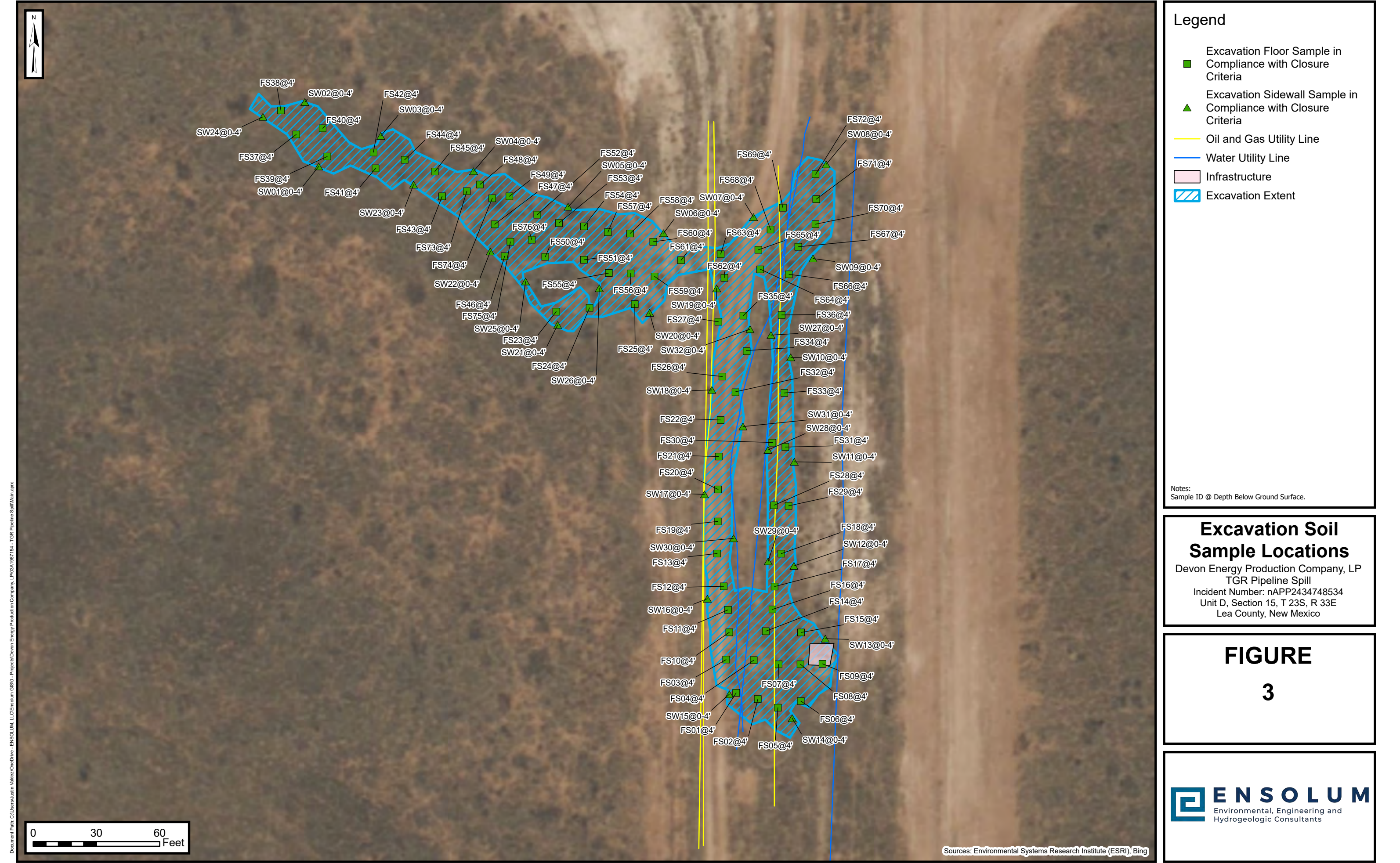


## Delineation Soil Sample Locations

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## FIGURE 2









TABLES

**TABLE 1**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
 TGR Pipeline Spill  
 Devon Energy Production Company, LP  
 Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
<b>NMOCD Table I Closure Criteria (NMAC 19.15.29)</b>			<b>10</b>	<b>50</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>1,000</b>	<b>2,500</b>	<b>20,000</b>
<b>Delineation Soil Samples</b>										
SS01	12/12/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS02	12/12/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS03	12/12/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS03	12/20/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	22.6
SS04	12/12/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS05	12/12/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS06	12/12/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS07	12/12/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS08	12/12/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS09	12/12/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
PH01	1/29/2025	0	<0.0250	<0.0500	<20.0	239	<50.0	239	239	6,950
PH01	1/29/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	4,730
PH01	1/29/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	14,900
PH01	1/29/2025	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,790
PH01	1/29/2025	7	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	185
PH01	1/29/2025	8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	131
BH02	12/20/2024	0	<0.0250	0.8367	<20.0	741	297	741	1,038	19,100
BH02	12/20/2024	0.5	<0.0250	<0.0500	<20.0	55	<50.0	55	55	11,000
PH02	1/29/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,710
PH02	1/29/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	113
BH03	12/20/2024	0	<0.0250	<0.0500	<20.0	761	343	761	1,104	7,160
BH03	12/20/2024	0.5	<0.0250	<0.0500	<20.0	335	171	335	506	5,870
PH03	1/29/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	7,580
PH03	1/29/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	258
BH04	12/20/2024	0	<0.0250	<0.0500	<20.0	86	<50.0	86	86	6,530
BH04	12/20/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	5,530
BH04	12/20/2024	4.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	13,300
PH04	1/29/2025	5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	16,700
PH04	1/29/2025	7	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	15,700
PH04	1/29/2025	9	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	6,730
PH04	1/29/2025	11	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	362

**TABLE 1**  
**SOIL SAMPLE ANALYTICAL RESULTS - Continued**  
 TGR Pipeline Spill  
 Devon Energy Production Company, LP  
 Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
<b>NMOCD Table I Closure Criteria (NMAC 19.15.29)</b>			<b>10</b>	<b>50</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>1,000</b>	<b>2,500</b>	<b>10,000</b>
<b>Delineation Soil Samples</b>										
PH05	2/4/2025	0	<0.0250	0.1080	<20.0	119	50	119	169	8,370
PH05	2/4/2025	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	3,250
PH05	2/4/2025	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	4,900
PH05	2/4/2025	5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	10,500
PH05	2/4/2025	7	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	9,350
PH05	2/4/2025	9	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	9,350
PH05	2/4/2025	11	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	6,830
PH05	2/4/2025	13	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	3,550
PH05	5/16/2025	14	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	6,560
PH05	5/16/2025	15	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,290
PH05	5/16/2025	16	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	499
BH06	12/20/2024	0	<0.0250	<0.0500	<20.0	1,070	592	1,070	1,662	11,300
BH06	12/20/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	5,520
BH06	12/20/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	13,900
PH06	2/4/2025	5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	8,330
PH06	2/4/2025	7	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	245
PH07	1/29/2025	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	712
PH07	1/29/2025	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,310
PH07	1/29/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	3,570
PH07	1/29/2025	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	13,100
PH07	1/29/2025	8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	7,690
PH07	1/29/2025	10	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,110
PH07	5/16/2025	11	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	4,380
PH07	5/16/2025	12	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	4,030
PH07	5/16/2025	13	<0.0250	<0.0500	<20.0	50.0	<50.0	50.0	50.0	1,870
PH07	5/19/2025	16	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,980
PH07	5/19/2025	20	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	420

**TABLE 1**  
**SOIL SAMPLE ANALYTICAL RESULTS - Continued**  
 TGR Pipeline Spill  
 Devon Energy Production Company, LP  
 Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
<b>NMOCD Table I Closure Criteria (NMAC 19.15.29)</b>			<b>10</b>	<b>50</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>1,000</b>	<b>2,500</b>	<b>10,000</b>
<b>Delineation Soil Samples</b>										
BH08	12/20/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	5,920
BH08	12/20/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	6,350
BH08	12/20/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	9,340
BH08	12/20/2024	6.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	744
PH08	2/4/2025	7	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	3,670
PH08	2/4/2025	9	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	50.8

**Notes:**

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Grey text represents samples that have been excavated

&lt;: Laboratory Analytical result is less than reporting limit

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

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

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

**TABLE 2**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
TGR Pipeline Spill  
Devon Energy Production Company, LP  
Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
<b>NMOCD Table I Closure Criteria (NMAC 19.15.29)</b>			<b>10</b>	<b>50</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>1,000</b>	<b>2,500</b>	<b>20,000</b>
<b>Excavation Floor Soil Samples</b>										
FS01	4/30/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	684
FS02	4/30/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	137
FS03	4/30/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,640
FS04	4/30/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,740
FS05	4/30/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,920
FS06	4/29/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	6,530
FS07	4/30/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	6,160
FS08	4/29/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	4,260
FS09	4/29/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	8,330
FS10	4/30/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	3,910
FS11	5/1/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,430
FS12	5/1/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,380
FS13	5/1/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	13,100
FS14	4/30/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	6,430
FS15	4/29/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	7,890
FS16	4/30/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,840
FS17	4/29/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	5,550
FS18	4/29/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	11,100
FS19	5/1/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	7,940
FS20	5/1/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	7,530
FS21	5/1/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	4,960
FS22	5/1/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	6,800
FS23	4/25/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	9,480
FS24	4/25/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	12,500
FS25	4/28/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	3,700
FS26	5/1/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	12,200
FS27	5/1/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	8,010
FS28	4/29/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	5,210
FS29	4/29/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	7,120
FS30	5/1/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	4,820
FS31	4/28/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	5,190
FS32	5/1/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	11,200
FS33	4/28/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	5,130



**TABLE 2**  
**SOIL SAMPLE ANALYTICAL RESULTS - Continued**  
 TGR Pipeline Spill  
 Devon Energy Production Company, LP  
 Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
<b>NMOCD Table I Closure Criteria (NMAC 19.15.29)</b>			<b>10</b>	<b>50</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>1,000</b>	<b>2,500</b>	<b>20,000</b>
<b>Excavation Floor Soil Samples</b>										
FS34	5/1/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	6,840
FS35	5/1/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	12,500
FS36	4/28/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	5,160
FS37	4/24/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	8,010
FS38	4/24/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	794
FS39	4/24/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,030
FS40	4/24/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,820
FS41	4/24/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	3,110
FS42	4/24/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,110
FS43	4/25/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	4,190
FS44	4/25/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	8,400
FS45	4/25/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	8,460
FS46	4/25/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,620
FS47	4/25/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,740
FS48	4/25/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,350
FS49	4/25/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	3,930
FS50	4/25/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	4,190
FS51	4/28/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,010
FS52	4/25/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	9,470
FS53	4/25/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	8,660
FS54	4/28/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,840
FS55	4/28/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,980
FS56	4/28/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	4,620
FS57	4/28/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	3,540
FS58	4/28/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	4,440
FS59	4/28/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	5,500
FS60	4/28/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	6,090
FS61	4/28/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	3,400
FS62	5/1/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	4,130
FS63	5/1/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,440
FS64	5/1/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,980
FS65	4/28/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	7,820



**TABLE 2**  
**SOIL SAMPLE ANALYTICAL RESULTS - Continued**  
 TGR Pipeline Spill  
 Devon Energy Production Company, LP  
 Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
<b>NMOCD Table I Closure Criteria (NMAC 19.15.29)</b>			<b>10</b>	<b>50</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>1,000</b>	<b>2,500</b>	<b>20,000</b>
<b>Excavation Floor Soil Samples</b>										
FS66	4/29/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	9,720
FS67	4/28/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	9,120
FS68	5/1/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	3,050
FS69	5/1/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,020
FS70	4/28/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	3,800
FS71	5/1/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,820
FS72	4/28/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,850
FS73	4/25/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,950
FS74	4/25/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	4,220
FS75	4/25/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,190
FS76	4/25/2025	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	866

**Notes:**

bgs: below ground surface

mg/kg: milligrams per kilogram

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Grey text represents samples that have been excavated

&lt;": Laboratory Analytical result is less than reporting limit

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

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

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

**TABLE 3**  
**SOIL SAMPLE ANALYTICAL RESULTS**  
 TGR Pipeline Spill  
 Devon Energy Production Company, LP  
 Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
<b>NMOCD Table I Closure Criteria (NMAC 19.15.29)</b>			<b>10</b>	<b>50</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>1,000</b>	<b>2,500</b>	<b>20,000</b>
<b>Sidewall Soil Samples</b>										
SW01	4/24/2025	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	41.6
SW02	4/24/2025	0-4	<0.0250	<0.0500	<20.0	45.8	<50.0	<25.0	<50.0	<20.0
SW03	4/24/2025	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	115
SW04	4/25/2025	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	62.3
SW05	4/25/2025	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	132
SW06	4/25/2025	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	131
SW07	5/1/2025	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	22.8
SW08	4/28/2025	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	172
SW09	4/29/2025	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	434
SW10	4/29/2025	0-4	<0.0250	<0.0500	<20.0	<50.0	<50.0	<25.0	<50.0	26.0
SW11	4/29/2025	0-4	<0.0250	<0.0500	<20.0	<50.0	<50.0	<25.0	<50.0	55.3
SW12	5/1/2025	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	46.3
SW13	5/1/2025	0-4	<0.0250	<0.0500	<20.0	<50.0	<50.0	<25.0	<50.0	98.7
SW14	4/30/2025	0-4	<0.0250	<0.0500	<20.0	<50.0	<50.0	<25.0	<50.0	262
SW15	4/30/2025	0-4	<0.0250	<0.0500	<20.0	<50.0	<50.0	<25.0	<50.0	185
SW16	4/30/2025	0-4	<0.0250	<0.0500	<20.0	<50.0	<50.0	<25.0	<50.0	<20.0
SW17	5/1/2025	0-4	<0.0250	<0.0500	<20.0	<50.0	<50.0	<25.0	<50.0	<20.0
SW18	5/1/2025	0-4	<0.0250	<0.0500	<20.0	<50.0	<50.0	<25.0	<50.0	27.8
SW19	5/1/2025	0-4	<0.0250	<0.0500	<20.0	<50.0	<50.0	<25.0	<50.0	62.7
SW20	4/29/2025	0-4	<0.0250	<0.0500	<20.0	<50.0	<50.0	<25.0	<50.0	265
SW21	4/29/2025	0-4	<0.0250	<0.0500	<20.0	<50.0	<50.0	<25.0	<50.0	569
SW22	4/25/2025	0-4	<0.0250	<0.0500	<20.0	<50.0	<50.0	<25.0	<50.0	73.8



**TABLE 3**  
**SOIL SAMPLE ANALYTICAL RESULTS - Continued**  
 TGR Pipeline Spill  
 Devon Energy Production Company, LP  
 Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
<b>NMOCD Table I Closure Criteria (NMAC 19.15.29)</b>			<b>10</b>	<b>50</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>1,000</b>	<b>2,500</b>	<b>20,000</b>
<b>Sidewall Soil Samples</b>										
SW23	4/29/2025	0-4	<0.0250	<0.0500	<20.0	<50.0	<50.0	<25.0	<50.0	71.3
SW24	4/24/2025	0-4	<0.0250	<0.0500	<20.0	<50.0	<50.0	<25.0	<50.0	31.2
SW25	4/30/2025	0-4	<0.0250	<0.0500	<20.0	<50.0	<50.0	<25.0	<50.0	22.9
SW26	4/30/2025	0-4	<0.0250	<0.0500	<20.0	<50.0	<50.0	<25.0	<50.0	195
SW27	5/1/2025	0-4	<0.0250	<0.0500	<20.0	<50.0	<50.0	<25.0	<50.0	98.8
SW28	5/1/2025	0-4	<0.0250	<0.0500	<20.0	<50.0	<50.0	<25.0	<50.0	<20.0
SW29	5/1/2025	0-4	<0.0250	<0.0500	<20.0	<50.0	<50.0	<25.0	<50.0	<20.0
SW30	5/1/2025	0-4	<0.0250	<0.0500	<20.0	<50.0	<50.0	<25.0	<50.0	328
SW31	5/1/2025	0-4	<0.0250	<0.0500	<20.0	<50.0	<50.0	<25.0	<50.0	151
SW32	5/1/2025	0-4	<0.0250	<0.0500	<20.0	<50.0	<50.0	<25.0	<50.0	59.4

**Notes:**

bgs: below ground surface

mg/kg: milligrams per kilogram

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Grey text represents samples that have been excavated

&lt;: Laboratory Analytical result is less than reporting limit

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

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

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes



<b>TABLE 4</b> <b>SOIL SAMPLE ANALYTICAL RESULTS</b> <b>TGR Pipeline Spill</b> <b>Devon Energy Production Company, LP</b> <b>Lea County, New Mexico</b>										
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
<b>NMOCD Table I Closure Criteria (NMAC 19.15.29)</b>			<b>10</b>	<b>50</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>1,000</b>	<b>2,500</b>	<b>20,000</b>
<b>Backfill Soil Samples</b>										
BF01	4/28/2025	NA	<0.0250	<0.0500	<20.0	<50.0	<50.0	<25.0	<50.0	<20.0
BF02	4/28/2025	NA	<0.0250	<0.0500	<20.0	<50.0	<50.0	<25.0	<50.0	<20.0

**Notes:**

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

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Grey text represents samples that have been excavated

&lt;: Laboratory Analytical result is less than reporting limit

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

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

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

NA: Not Applicable





## APPENDIX A

### Well Log and Record

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# WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

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

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) Pod 1		WELL TAG ID NO.		OSE FILE NO(S). C-4923		
	WELL OWNER NAME(S) Devon Energy				PHONE (OPTIONAL)		
	WELL OWNER MAILING ADDRESS 5315 Buena Vista Drive				CITY Carlsbad	STATE NM	
					ZIP 88220		
	WELL LOCATION (FROM GPS)	DEGREES 32	MINUTES 18	SECONDS 43.36	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84	
		103	33	58.33	W		
	DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE S15 T23s R33e						
2. DRILLING & CASING INFORMATION	LICENSE NO. WD-1862		NAME OF LICENSED DRILLER James Hawley		NAME OF WELL DRILLING COMPANY H&R Enterprises, LLC		
	DRILLING STARTED 2-3-25	DRILLING ENDED 2-3-25	DEPTH OF COMPLETED WELL (FT) 105'	BORE HOLE DEPTH (FT) 105'	DEPTH WATER FIRST ENCOUNTERED (FT) N/A		
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN *add Centralizer info below <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) N/A	DATE STATIC MEASURED 2-10-25	
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES – SPECIFY:						
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER – SPECIFY:					CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>	
	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)
	FROM	TO					
	0'	105'	5'	No casing left in hole			
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL <i>*(if using Centralizers for Artesian wells- indicate the spacing below)</i>	AMOUNT (cubic feet)	METHOD OF PLACEMENT	
	FROM	TO					
				N/A			

FOR OSE INTERNAL USE

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

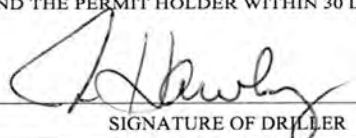
FILE NO.	POD NO.	TRN NO.
LOCATION	WELL TAG ID NO.	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	FROM	TO				
	0'	10'	10'	Sand	Y    ✓ N	
	10'	20'	10'	Caliche	Y    ✓ N	
	20'	55'	35'	Sandy Caliche	Y    ✓ N	
	55'	80'	25'	Sandy Red Clay	Y    ✓ N	
	80'	105'	25'	Red Clay	Y    ✓ N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
					Y    N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input checked="" type="checkbox"/> 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 2-10-25. DTGW bore was dry. Temporary well casing was removed, bore hole was backfilled with drill cutting to 10' BGS. Hydrated bentonite hole plug was poured from 10' BGS to surface.	
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Nathan Smelcer	

6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:	
	 SIGNATURE OF DRILLER / PRINT SIGNEE NAME	James Hawley 2-10-25 DATE

FOR OSE INTERNAL USE

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

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



## APPENDIX B

### Lithologic Soil Sampling Logs

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## APPENDIX C

### Photographic Log

---





**Photographic Log**

Devon Energy Production Company, LP  
TGR Pipeline Spill  
nAPP2434748534



Photograph 1  
Description: Initial Spill  
View: NA

Date: 12/11/2024



Photograph 2  
Description: Initial Spill  
View: NA

Date: 12/11/2024



Photograph 3  
Description: Initial Spill  
View: NA

Date: 12/11/2024



Photograph 4  
Description: Initial Spill  
View: NA

Date: 12/11/2024





## Photographic Log

Devon Energy Production Company, LP  
TGR Pipeline Spill  
nAPP2434748534



Photograph 5

Date: 12/12/2024

Description: Point of Release

View: Northwest



Photograph 6

Date: 12/12/2024

Description: Spill Area

View: East



Photograph 7

Date: 12/12/2024

Description: Spill Area

View: Southeast



Photograph 8

Date: 12/12/2024

Description: Spill Area

View: Southeast





## Photographic Log

Devon Energy Production Company, LP  
TGR Pipeline Spill  
nAPP2434748534



Photograph 9  
Description: Spill Area  
View: South

Date: 12/12/2024



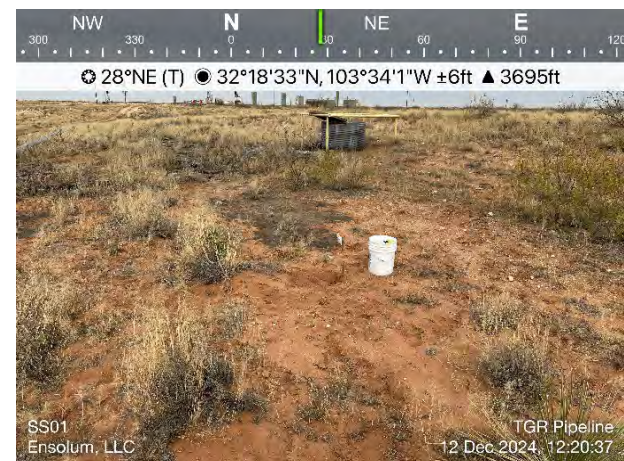
Photograph 10  
Description: Spill Area  
View: South

Date: 12/12/2024



Photograph 11  
Description: Spill Area  
View: East

Date: 12/12/2024



Photograph 12  
Description: SS01  
View: Northeast

Date: 12/12/2024





# Photographic Log

Devon Energy Production Company, LP  
TGR Pipeline Spill  
nAPP2434748534



Photograph 13  
Description: SS03  
View: Southwest

Date: 12/12/2024



Photograph 14  
Description: SS04  
View: Southeast

Date: 12/12/2024



Photograph 15  
Description: SS05  
View: East

Date: 12/12/2024



Photograph 16  
Description: SS06  
View: Southeast

Date: 12/12/2024





## Photographic Log

Devon Energy Production Company, LP  
TGR Pipeline Spill  
nAPP2434748534



Photograph 17  
Description: SS07  
View: Southeast

Date: 12/12/2024



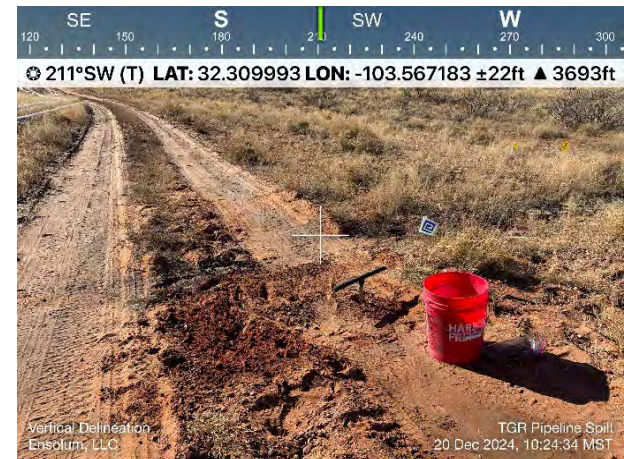
Photograph 18  
Description: SS08  
View: South

Date: 12/12/2024



Photograph 19  
Description: SS09  
View: South

Date: 12/12/2024



Photograph 20  
Description: Vertical Delineation  
View: Southwest

Date: 12/20/2024





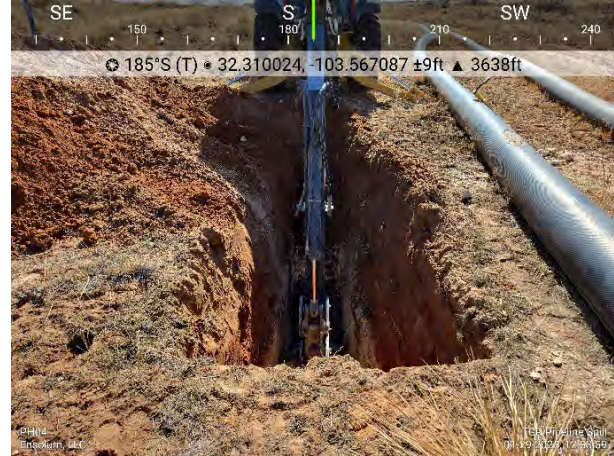
# Photographic Log

Devon Energy Production Company, LP  
TGR Pipeline Spill  
nAPP2434748534



Photograph 21  
Description: PH04  
View: South

Date: 1/29/2025



Photograph 22  
Description: PH04  
View: South

Date: 1/29/2025



Photograph 23  
Description: PH04  
View: South

Date: 1/29/2025



Photograph 24  
Description: PH07  
View: South

Date: 1/29/2025





# Photographic Log

Devon Energy Production Company, LP  
TGR Pipeline Spill  
nAPP2434748534



Photograph 25  
Description: PH07  
View: South

Date: 1/29/2025



Photograph 26  
Description: PH07  
View: South

Date: 1/29/2025



Photograph 27  
Description: PH07  
View: South

Date: 1/29/2025



Photograph 28  
Description: Delineation  
View: Southeast

Date: 1/29/2025





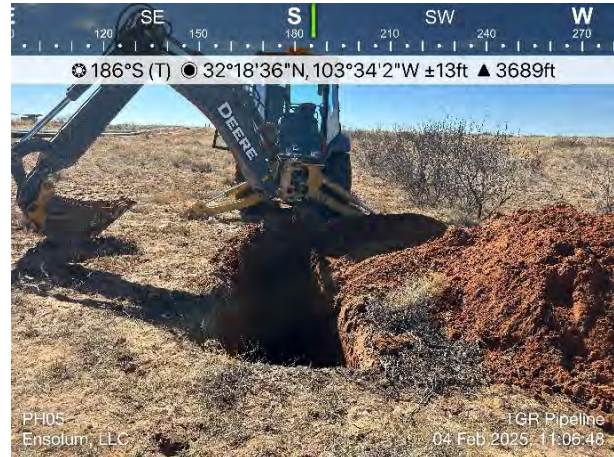
## Photographic Log

Devon Energy Production Company, LP  
TGR Pipeline Spill  
nAPP2434748534



Photograph 29  
Description: PH08  
View: Southwest

Date: 2/4/2025



Photograph 30  
Description: PH05  
View: South

Date: 2/4/2025



Photograph 31  
Description: PH05  
View: South

Date: 2/4/2025



Photograph 32  
Description: PH06  
View: Northwest

Date: 2/4/2025





# Photographic Log

Devon Energy Production Company, LP  
TGR Pipeline Spill  
nAPP2434748534



Photograph 33  
Description: Excavation  
View: Southeast

Date: 4/24/2025



Photograph 34  
Description: Excavation  
View: East

Date: 4/24/2025



Photograph 35  
Description: Excavation  
View: South

Date: 4/25/2025



Photograph 36  
Description: Excavation  
View: South

Date: 4/25/2025





# Photographic Log

Devon Energy Production Company, LP  
TGR Pipeline Spill  
nAPP2434748534



Photograph 37  
Description: Excavation  
View: Northwest

Date: 4/28/2025



Photograph 38  
Description: Excavation  
View: Southwest

Date: 4/28/2025



Photograph 39  
Description: Excavation  
View: South

Date: 4/29/2025



Photograph 40  
Description: Excavation  
View: South

Date: 4/29/2025





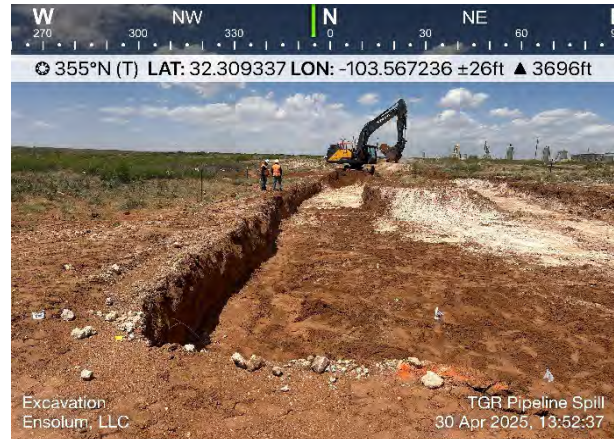
## Photographic Log

Devon Energy Production Company, LP  
TGR Pipeline Spill  
nAPP2434748534



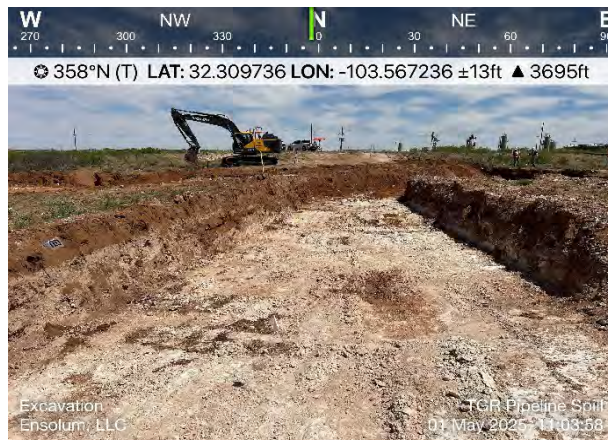
Photograph 41  
Description: Excavation  
View: Northwest

Date: 4/30/2025



Photograph 42  
Description: Excavation  
View: North

Date: 4/30/2025



Photograph 43  
Description: Excavation  
View: North

Date: 5/1/2025



Photograph 44  
Description: Excavation  
View: South

Date: 5/1/2025





# Photographic Log

Devon Energy Production Company, LP  
TGR Pipeline Spill  
nAPP2434748534



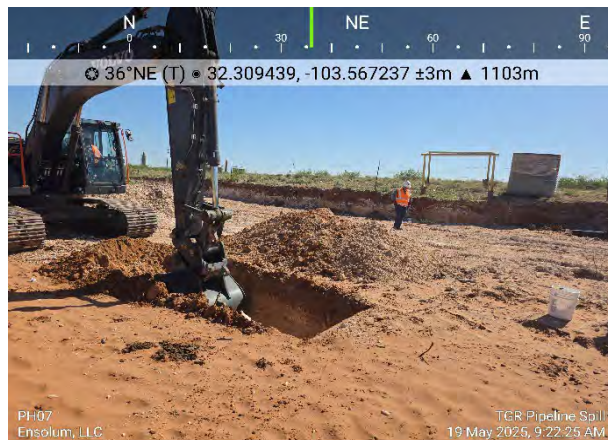
Photograph 45  
Description: PH05  
View: Southwest

Date: 5/16/2025



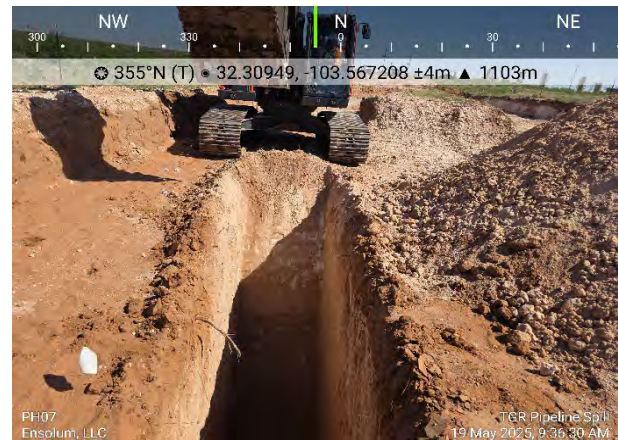
Photograph 46  
Description: PH07  
View: Northwest

Date: 5/16/2025



Photograph 47  
Description: PH07  
View: Northeast

Date: 5/19/2025



Photograph 48  
Description: PH07  
View: North

Date: 5/19/2025



## APPENDIX D

### Laboratory Analytical Reports & Chain-of-Custody Documentation

---

Report to:  
Ashley Giovengo



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Devon Energy - Carlsbad

Project Name: TGR Pipeline Spill

Work Order: E412121

Job Number: 01058-0007

Received: 12/16/2024

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
12/19/24

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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

Date Reported: 12/19/24

Ashley Giovengo  
6488 7 Rivers Hwy  
Artesia, NM 88210



Project Name: TGR Pipeline Spill  
Workorder: E412121  
Date Received: 12/16/2024 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/16/2024 8:00:00AM, under the Project Name: TGR Pipeline Spill.

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

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

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

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

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

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

Field Offices:

**Southern New Mexico Area**

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

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

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

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Sample Summary

Devon Energy - Carlsbad	Project Name:	TGR Pipeline Spill	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/19/24 14:17

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS01-0'	E412121-01A	Soil	12/12/24	12/16/24	Glass Jar, 2 oz.
SS02-0'	E412121-02A	Soil	12/12/24	12/16/24	Glass Jar, 2 oz.
SS03-0'	E412121-03A	Soil	12/12/24	12/16/24	Glass Jar, 2 oz.
SS04-0'	E412121-04A	Soil	12/12/24	12/16/24	Glass Jar, 2 oz.
SS05-0'	E412121-05A	Soil	12/12/24	12/16/24	Glass Jar, 2 oz.
SS06-0'	E412121-06A	Soil	12/12/24	12/16/24	Glass Jar, 2 oz.
SS07-0'	E412121-07A	Soil	12/12/24	12/16/24	Glass Jar, 2 oz.
SS08-0'	E412121-08A	Soil	12/12/24	12/16/24	Glass Jar, 2 oz.
SS09-0'	E412121-09A	Soil	12/12/24	12/16/24	Glass Jar, 2 oz.



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TGR Pipeline Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 12/19/2024 2:17:14PM
---	--	-----------------------------------

SS01-0'  
E412121-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2451008	
Benzene	ND	0.0250	1	12/16/24	12/17/24	
Ethylbenzene	ND	0.0250	1	12/16/24	12/17/24	
Toluene	ND	0.0250	1	12/16/24	12/17/24	
o-Xylene	ND	0.0250	1	12/16/24	12/17/24	
p,m-Xylene	ND	0.0500	1	12/16/24	12/17/24	
Total Xylenes	ND	0.0250	1	12/16/24	12/17/24	
Surrogate: 4-Bromochlorobenzene-PID	96.8 %	70-130		12/16/24	12/17/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2451008	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/16/24	12/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	91.4 %	70-130		12/16/24	12/17/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2451015	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/16/24	12/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/16/24	12/17/24	
Surrogate: n-Nonane	127 %	50-200		12/16/24	12/17/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: JM		Batch: 2451020	
Chloride	ND	20.0	1	12/16/24	12/16/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TGR Pipeline Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 12/19/2024 2:17:14PM
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SS02-0'

E412121-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2451008	
Benzene	ND	0.0250	1	12/16/24	12/17/24	
Ethylbenzene	ND	0.0250	1	12/16/24	12/17/24	
Toluene	ND	0.0250	1	12/16/24	12/17/24	
o-Xylene	ND	0.0250	1	12/16/24	12/17/24	
p,m-Xylene	ND	0.0500	1	12/16/24	12/17/24	
Total Xylenes	ND	0.0250	1	12/16/24	12/17/24	
Surrogate: 4-Bromochlorobenzene-PID	96.3 %	70-130		12/16/24	12/17/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2451008	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/16/24	12/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	90.7 %	70-130		12/16/24	12/17/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2451015	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/16/24	12/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/16/24	12/17/24	
Surrogate: n-Nonane	114 %	50-200		12/16/24	12/17/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: JM		Batch: 2451020	
Chloride	ND	20.0	1	12/16/24	12/16/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TGR Pipeline Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 12/19/2024 2:17:14PM
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SS03-0'

E412121-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2451008	
Benzene	ND	0.0250	1	12/16/24	12/17/24	
Ethylbenzene	ND	0.0250	1	12/16/24	12/17/24	
Toluene	ND	0.0250	1	12/16/24	12/17/24	
o-Xylene	ND	0.0250	1	12/16/24	12/17/24	
p,m-Xylene	ND	0.0500	1	12/16/24	12/17/24	
Total Xylenes	ND	0.0250	1	12/16/24	12/17/24	
Surrogate: 4-Bromochlorobenzene-PID	96.2 %	70-130		12/16/24	12/17/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2451008	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/16/24	12/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	91.2 %	70-130		12/16/24	12/17/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2451015	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/16/24	12/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/16/24	12/17/24	
Surrogate: n-Nonane	118 %	50-200		12/16/24	12/17/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: JM		Batch: 2451020	
Chloride	ND	20.0	1	12/16/24	12/16/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TGR Pipeline Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 12/19/2024 2:17:14PM
---	--	-----------------------------------

SS04-0'

E412121-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2451008	
Benzene	ND	0.0250	1	12/16/24	12/17/24	
Ethylbenzene	ND	0.0250	1	12/16/24	12/17/24	
Toluene	ND	0.0250	1	12/16/24	12/17/24	
o-Xylene	ND	0.0250	1	12/16/24	12/17/24	
p,m-Xylene	ND	0.0500	1	12/16/24	12/17/24	
Total Xylenes	ND	0.0250	1	12/16/24	12/17/24	
Surrogate: 4-Bromochlorobenzene-PID	96.2 %	70-130		12/16/24	12/17/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2451008	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/16/24	12/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	91.8 %	70-130		12/16/24	12/17/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2451015	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/16/24	12/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/16/24	12/17/24	
Surrogate: n-Nonane	119 %	50-200		12/16/24	12/17/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: JM		Batch: 2451020	
Chloride	ND	20.0	1	12/16/24	12/16/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TGR Pipeline Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 12/19/2024 2:17:14PM
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SS05-0'

E412121-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2451008	
Benzene	ND	0.0250	1	12/16/24	12/17/24	
Ethylbenzene	ND	0.0250	1	12/16/24	12/17/24	
Toluene	ND	0.0250	1	12/16/24	12/17/24	
o-Xylene	ND	0.0250	1	12/16/24	12/17/24	
p,m-Xylene	ND	0.0500	1	12/16/24	12/17/24	
Total Xylenes	ND	0.0250	1	12/16/24	12/17/24	
Surrogate: 4-Bromochlorobenzene-PID	96.9 %	70-130		12/16/24	12/17/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2451008	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/16/24	12/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	91.9 %	70-130		12/16/24	12/17/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2451015	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/16/24	12/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/16/24	12/17/24	
Surrogate: n-Nonane	118 %	50-200		12/16/24	12/17/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: JM		Batch: 2451020	
Chloride	ND	20.0	1	12/16/24	12/16/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TGR Pipeline Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 12/19/2024 2:17:14PM
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SS06-0'

E412121-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2451008	
Benzene	ND	0.0250	1	12/16/24	12/17/24	
Ethylbenzene	ND	0.0250	1	12/16/24	12/17/24	
Toluene	ND	0.0250	1	12/16/24	12/17/24	
o-Xylene	ND	0.0250	1	12/16/24	12/17/24	
p,m-Xylene	ND	0.0500	1	12/16/24	12/17/24	
Total Xylenes	ND	0.0250	1	12/16/24	12/17/24	
Surrogate: 4-Bromochlorobenzene-PID	96.3 %	70-130		12/16/24	12/17/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2451008	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/16/24	12/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	91.7 %	70-130		12/16/24	12/17/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2451015	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/16/24	12/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/16/24	12/17/24	
Surrogate: n-Nonane	118 %	50-200		12/16/24	12/17/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: JM		Batch: 2451020	
Chloride	ND	20.0	1	12/16/24	12/16/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TGR Pipeline Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 12/19/2024 2:17:14PM
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SS07-0'

E412121-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2451008	
Benzene	ND	0.0250	1	12/16/24	12/17/24	
Ethylbenzene	ND	0.0250	1	12/16/24	12/17/24	
Toluene	ND	0.0250	1	12/16/24	12/17/24	
o-Xylene	ND	0.0250	1	12/16/24	12/17/24	
p,m-Xylene	ND	0.0500	1	12/16/24	12/17/24	
Total Xylenes	ND	0.0250	1	12/16/24	12/17/24	
Surrogate: 4-Bromochlorobenzene-PID	95.7 %	70-130		12/16/24	12/17/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2451008	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/16/24	12/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	92.1 %	70-130		12/16/24	12/17/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2451015	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/16/24	12/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/16/24	12/18/24	
Surrogate: n-Nonane	116 %	50-200		12/16/24	12/18/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: JM		Batch: 2451020	
Chloride	ND	20.0	1	12/16/24	12/16/24	





Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TGR Pipeline Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 12/19/2024 2:17:14PM
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SS08-0'

E412121-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2451008	
Benzene	ND	0.0250	1	12/16/24	12/17/24	
Ethylbenzene	ND	0.0250	1	12/16/24	12/17/24	
Toluene	ND	0.0250	1	12/16/24	12/17/24	
o-Xylene	ND	0.0250	1	12/16/24	12/17/24	
p,m-Xylene	ND	0.0500	1	12/16/24	12/17/24	
Total Xylenes	ND	0.0250	1	12/16/24	12/17/24	
Surrogate: 4-Bromochlorobenzene-PID	96.2 %	70-130		12/16/24	12/17/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2451008	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/16/24	12/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	90.7 %	70-130		12/16/24	12/17/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2451015	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/16/24	12/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/16/24	12/18/24	
Surrogate: n-Nonane	115 %	50-200		12/16/24	12/18/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: JM		Batch: 2451020	
Chloride	ND	20.0	1	12/16/24	12/16/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TGR Pipeline Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 12/19/2024 2:17:14PM
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SS09-0'

E412121-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2451008	
Benzene	ND	0.0250	1	12/16/24	12/17/24	
Ethylbenzene	ND	0.0250	1	12/16/24	12/17/24	
Toluene	ND	0.0250	1	12/16/24	12/17/24	
o-Xylene	ND	0.0250	1	12/16/24	12/17/24	
p,m-Xylene	ND	0.0500	1	12/16/24	12/17/24	
Total Xylenes	ND	0.0250	1	12/16/24	12/17/24	
Surrogate: 4-Bromochlorobenzene-PID	95.9 %	70-130		12/16/24	12/17/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2451008	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/16/24	12/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	91.4 %	70-130		12/16/24	12/17/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2451015	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/16/24	12/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/16/24	12/18/24	
Surrogate: n-Nonane	116 %	50-200		12/16/24	12/18/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: JM		Batch: 2451020	
Chloride	ND	20.0	1	12/16/24	12/16/24	



QC Summary Data

Devon Energy - Carlsbad	Project Name:	TGR Pipeline Spill	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/19/2024 2:17:14PM

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 (2451008-BLK1) Prepared: 12/16/24 Analyzed: 12/17/24

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.44		8.00		93.0	70-130			

LCS (2451008-BS1) Prepared: 12/16/24 Analyzed: 12/17/24

Benzene	5.38	0.0250	5.00		108	70-130			
Ethylbenzene	5.19	0.0250	5.00		104	70-130			
Toluene	5.31	0.0250	5.00		106	70-130			
o-Xylene	5.20	0.0250	5.00		104	70-130			
p,m-Xylene	10.5	0.0500	10.0		105	70-130			
Total Xylenes	15.7	0.0250	15.0		105	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.43		8.00		92.9	70-130			

LCS Dup (2451008-BSD1) Prepared: 12/16/24 Analyzed: 12/17/24

Benzene	5.39	0.0250	5.00		108	70-130	0.332	20	
Ethylbenzene	5.22	0.0250	5.00		104	70-130	0.651	20	
Toluene	5.33	0.0250	5.00		107	70-130	0.432	20	
o-Xylene	5.24	0.0250	5.00		105	70-130	0.876	20	
p,m-Xylene	10.6	0.0500	10.0		106	70-130	0.745	20	
Total Xylenes	15.9	0.0250	15.0		106	70-130	0.788	20	
Surrogate: 4-Bromochlorobenzene-PID	7.66		8.00		95.7	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	TGR Pipeline Spill	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/19/2024 2:17:14PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2451008-BLK1) Prepared: 12/16/24 Analyzed: 12/17/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.36		8.00		92.0	70-130			

LCS (2451008-BS2) Prepared: 12/16/24 Analyzed: 12/17/24

Gasoline Range Organics (C6-C10)	42.8	20.0	50.0		85.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.51		8.00		93.9	70-130			

LCS Dup (2451008-BSD2) Prepared: 12/16/24 Analyzed: 12/17/24

Gasoline Range Organics (C6-C10)	43.6	20.0	50.0		87.2	70-130	1.80	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.48		8.00		93.5	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	TGR Pipeline Spill	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/19/2024 2:17:14PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2451015-BLK1)					Prepared: 12/16/24 Analyzed: 12/17/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	58.9		50.0		118	50-200			

LCS (2451015-BS1)					Prepared: 12/16/24 Analyzed: 12/17/24				
Diesel Range Organics (C10-C28)	244	25.0	250		97.6	38-132			
Surrogate: n-Nonane	52.8		50.0		106	50-200			

Matrix Spike (2451015-MS1)					Source: E412121-04		Prepared: 12/16/24 Analyzed: 12/17/24		
Diesel Range Organics (C10-C28)	233	25.0	250	ND	93.1	38-132			
Surrogate: n-Nonane	53.4		50.0		107	50-200			

Matrix Spike Dup (2451015-MSD1)					Source: E412121-04		Prepared: 12/16/24 Analyzed: 12/17/24		
Diesel Range Organics (C10-C28)	247	25.0	250	ND	98.8	38-132	5.93	20	
Surrogate: n-Nonane	53.3		50.0		107	50-200			





QC Summary Data

Devon Energy - Carlsbad	Project Name:	TGR Pipeline Spill	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/19/2024 2:17:14PM

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 (2451020-BLK1)					Prepared: 12/16/24 Analyzed: 12/16/24				
Chloride	ND	20.0							
LCS (2451020-BS1)					Prepared: 12/16/24 Analyzed: 12/16/24				
Chloride	258	20.0	250		103	90-110			
LCS Dup (2451020-BSD1)					Prepared: 12/16/24 Analyzed: 12/16/24				
Chloride	257	20.0	250		103	90-110	0.195	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:	TGR Pipeline Spill	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/19/24 14:17

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



Client Information				Invoice Information				Lab Use Only				TAT				State			
Client: Devon				Company: Devon Energy				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX
Project: TGR Pipeline Spill				Address: 5315 Buena Vista Dr				E412121		01058-057					X				X
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: (575)689-7597															
City, State, Zip: Carlsbad NM, 88220				Email: jim.raley@dvn.com															
Phone: 575-988-0055				Miscellaneous: Jim Raley															
Email: agiovengo@ensolum.com																			
Sample Information												Analysis and Method				EPA Program			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field	Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA	
11:55	12/12/2024	S	1	SS01 - 0'			1						X						
11:58	12/12/2024	S	1	SS02 - 0'			2						X						
11:57	12/12/2024	S	1	SS03 - 0'			3						X						
11:59	12/12/2024	S	1	SS04 - 0'			4						X						
12:01	12/12/2024	S	1	SS05 - 0'			5						X						
12:08	12/12/2024	S	1	SS06 - 0'			6						X						
12:10	12/12/2024	S	1	SS07 - 0'			7						X						
12:12	12/12/2024	S	1	SS08 - 0'			8						X						
12:05	12/12/2024	S	1	SS09 - 0'			9						X						
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@dvn.com, iestrella@ensolum.com, chamilton@ensolum.com, bsimmons@ensolum.com oaderinto@ensolum.com																			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																			
Sampled by: Oluwale Aderinto																			
Relinquished by: (Signature)				Date	Time	Received by: (Signature)				Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.  Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N  T1 _____ T2 _____ T3 _____  AVG Temp °C <u>4</u>							
Oluwale Aderinto				12/13/24	09:26	Michelle Gonzales				12-13-24	0926								
Michelle Gonzales				12-13-24	1600	Caitlin Haver				12-13-24	1630								
Caitlin Haver				12-13-24	2:300														
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____																			
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																			
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			



## Envirotech Analytical Laboratory

Printed: 12/16/2024 10:01:00AM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Devon Energy - Carlsbad	Date Received:	12/16/24 08:00	Work Order ID:	E412121
Phone:	(505) 382-1211	Date Logged In:	12/13/24 16:50	Logged In By:	Noe Soto
Email:	agiovento@ensolum.com	Due Date:	12/20/24 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:  
Sample ID? Yes  
Date/Time Collected? Yes  
Collectors name? No

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:  
Ashley Giovengo



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Devon Energy - Carlsbad

Project Name: TGR Pipeline Spill

Work Order: E412190

Job Number: 01058-0007

Received: 12/24/2024

Revision: 2

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
1/3/25

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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

Date Reported: 1/3/25

Ashley Giovengo  
6488 7 Rivers Hwy  
Artesia, NM 88210



Project Name: TGR Pipeline Spill  
Workorder: E412190  
Date Received: 12/24/2024 7:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/24/2024 7:30:00AM, under the Project Name: TGR Pipeline Spill.

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

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

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

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

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

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

Field Offices:

**Southern New Mexico Area**

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

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

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



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## Sample Summary

Devon Energy - Carlsbad	Project Name:	TGR Pipeline Spill	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	01/03/25 09:01

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH02 @ 0'	E412190-01A	Soil	12/20/24	12/24/24	Glass Jar, 2 oz.
BH02 @ 0.5'	E412190-02A	Soil	12/20/24	12/24/24	Glass Jar, 2 oz.
BH03 @ 0'	E412190-03A	Soil	12/20/24	12/24/24	Glass Jar, 2 oz.
BH03 @ 0.5'	E412190-04A	Soil	12/20/24	12/24/24	Glass Jar, 2 oz.
BH04 @ 0'	E412190-05A	Soil	12/20/24	12/24/24	Glass Jar, 2 oz.
BH04 @ 2'	E412190-06A	Soil	12/20/24	12/24/24	Glass Jar, 2 oz.
BH04 @ 4.5'	E412190-07A	Soil	12/20/24	12/24/24	Glass Jar, 2 oz.
BH06 @ 0'	E412190-08A	Soil	12/20/24	12/24/24	Glass Jar, 2 oz.
BH06 @ 2'	E412190-09A	Soil	12/20/24	12/24/24	Glass Jar, 2 oz.
BH06 @ 4'	E412190-10A	Soil	12/20/24	12/24/24	Glass Jar, 2 oz.
BH08 @ 0'	E412190-11A	Soil	12/20/24	12/24/24	Glass Jar, 2 oz.
BH08 @ 2'	E412190-12A	Soil	12/20/24	12/24/24	Glass Jar, 2 oz.
BH08 @ 4'	E412190-13A	Soil	12/20/24	12/24/24	Glass Jar, 2 oz.
BH08 @ 6.5'	E412190-14A	Soil	12/20/24	12/24/24	Glass Jar, 2 oz.
SS03 @ 0.5'	E412190-15A	Soil	12/20/24	12/24/24	Glass Jar, 2 oz.



## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
1/3/2025 9:01:22AM

**BH02 @ 0'**

**E412190-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2452036	
Benzene	ND	0.0250	1	12/24/24	12/24/24	
Ethylbenzene	<b>0.0546</b>	0.0250	1	12/24/24	12/24/24	
Toluene	ND	0.0250	1	12/24/24	12/24/24	
o-Xylene	<b>0.0941</b>	0.0250	1	12/24/24	12/24/24	
p,m-Xylene	<b>0.297</b>	0.0500	1	12/24/24	12/24/24	
Total Xylenes	<b>0.391</b>	0.0250	1	12/24/24	12/24/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		90.5 %	70-130	12/24/24	12/24/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2452036	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/24/24	12/24/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.2 %	70-130	12/24/24	12/24/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2453006	
Diesel Range Organics (C10-C28)	<b>741</b>	25.0	1	12/30/24	12/30/24	
Oil Range Organics (C28-C36)	<b>297</b>	50.0	1	12/30/24	12/30/24	
<i>Surrogate: n-Nonane</i>		115 %	50-200	12/30/24	12/30/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2452037	
Chloride	<b>19100</b>	400	20	12/24/24	12/30/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TGR Pipeline Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 1/3/2025 9:01:22AM
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BH02 @ 0.5'  
E412190-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2452036	
Benzene	ND	0.0250	1	12/24/24	12/24/24	
Ethylbenzene	ND	0.0250	1	12/24/24	12/24/24	
Toluene	ND	0.0250	1	12/24/24	12/24/24	
o-Xylene	ND	0.0250	1	12/24/24	12/24/24	
p,m-Xylene	ND	0.0500	1	12/24/24	12/24/24	
Total Xylenes	ND	0.0250	1	12/24/24	12/24/24	
Surrogate: 4-Bromochlorobenzene-PID	89.4 %	70-130		12/24/24	12/24/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2452036	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/24/24	12/24/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	95.3 %	70-130		12/24/24	12/24/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2453006	
Diesel Range Organics (C10-C28)	54.9	25.0	1	12/30/24	12/30/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/30/24	12/30/24	
Surrogate: n-Nonane	110 %	50-200		12/30/24	12/30/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2452037	
Chloride	11000	200	10	12/24/24	12/30/24	



## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
1/3/2025 9:01:22AM

**BH03 @ 0'**

**E412190-03**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2452036	
Benzene	ND	0.0250	1	12/24/24	12/24/24	
Ethylbenzene	ND	0.0250	1	12/24/24	12/24/24	
Toluene	ND	0.0250	1	12/24/24	12/24/24	
o-Xylene	ND	0.0250	1	12/24/24	12/24/24	
p,m-Xylene	ND	0.0500	1	12/24/24	12/24/24	
Total Xylenes	ND	0.0250	1	12/24/24	12/24/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.1 %	70-130		12/24/24	12/24/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2452036	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/24/24	12/24/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.2 %	70-130		12/24/24	12/24/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: NV		Batch: 2453006	
Diesel Range Organics (C10-C28)	761	25.0	1	12/30/24	12/30/24	
Oil Range Organics (C28-C36)	343	50.0	1	12/30/24	12/30/24	
<i>Surrogate: n-Nonane</i>						
	122 %	50-200		12/30/24	12/30/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: DT		Batch: 2452037	
Chloride	7160	200	10	12/24/24	12/30/24	





## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
1/3/2025 9:01:22AM

**BH03 @ 0.5'**

**E412190-04**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2452036	
Benzene	ND	0.0250	1	12/24/24	12/24/24	
Ethylbenzene	ND	0.0250	1	12/24/24	12/24/24	
Toluene	ND	0.0250	1	12/24/24	12/24/24	
o-Xylene	ND	0.0250	1	12/24/24	12/24/24	
p,m-Xylene	ND	0.0500	1	12/24/24	12/24/24	
Total Xylenes	ND	0.0250	1	12/24/24	12/24/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	89.0 %	70-130		12/24/24	12/24/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2452036	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/24/24	12/24/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	92.7 %	70-130		12/24/24	12/24/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2453006	
Diesel Range Organics (C10-C28)	335	25.0	1	12/30/24	12/30/24	
Oil Range Organics (C28-C36)	171	50.0	1	12/30/24	12/30/24	
<i>Surrogate: n-Nonane</i>	111 %	50-200		12/30/24	12/30/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2452037	
Chloride	5870	100	5	12/24/24	12/30/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TGR Pipeline Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 1/3/2025 9:01:22AM
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BH04 @ 0'  
E412190-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2452036	
Benzene	ND	0.0250	1	12/24/24	12/24/24	
Ethylbenzene	ND	0.0250	1	12/24/24	12/24/24	
Toluene	ND	0.0250	1	12/24/24	12/24/24	
o-Xylene	ND	0.0250	1	12/24/24	12/24/24	
p,m-Xylene	ND	0.0500	1	12/24/24	12/24/24	
Total Xylenes	ND	0.0250	1	12/24/24	12/24/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	88.6 %	70-130		12/24/24	12/24/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2452036	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/24/24	12/24/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.6 %	70-130		12/24/24	12/24/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: NV		Batch: 2453006	
Diesel Range Organics (C10-C28)	86.4	25.0	1	12/30/24	12/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/30/24	12/31/24	
<i>Surrogate: n-Nonane</i>						
	110 %	50-200		12/30/24	12/31/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: DT		Batch: 2452037	
Chloride	6530	100	5	12/24/24	12/30/24	



## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
1/3/2025 9:01:22AM

**BH04 @ 2'**

**E412190-06**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2452036	
Benzene	ND	0.0250	1	12/24/24	12/24/24	
Ethylbenzene	ND	0.0250	1	12/24/24	12/24/24	
Toluene	ND	0.0250	1	12/24/24	12/24/24	
o-Xylene	ND	0.0250	1	12/24/24	12/24/24	
p,m-Xylene	ND	0.0500	1	12/24/24	12/24/24	
Total Xylenes	ND	0.0250	1	12/24/24	12/24/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.5 %	70-130		12/24/24	12/24/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2452036	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/24/24	12/24/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.2 %	70-130		12/24/24	12/24/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: NV		Batch: 2453006	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/30/24	12/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/30/24	12/31/24	
<i>Surrogate: n-Nonane</i>						
	108 %	50-200		12/30/24	12/31/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: DT		Batch: 2452037	
Chloride	5530	100	5	12/24/24	12/30/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TGR Pipeline Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 1/3/2025 9:01:22AM
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BH04 @ 4.5'  
E412190-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2452036	
Benzene	ND	0.0250	1	12/24/24	12/24/24	
Ethylbenzene	ND	0.0250	1	12/24/24	12/24/24	
Toluene	ND	0.0250	1	12/24/24	12/24/24	
o-Xylene	ND	0.0250	1	12/24/24	12/24/24	
p,m-Xylene	ND	0.0500	1	12/24/24	12/24/24	
Total Xylenes	ND	0.0250	1	12/24/24	12/24/24	
Surrogate: 4-Bromochlorobenzene-PID	90.2 %	70-130		12/24/24	12/24/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2452036	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/24/24	12/24/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	93.1 %	70-130		12/24/24	12/24/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2453006	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/30/24	12/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/30/24	12/31/24	
Surrogate: n-Nonane	131 %	50-200		12/30/24	12/31/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2452037	
Chloride	13300	200	10	12/24/24	12/30/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TGR Pipeline Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 1/3/2025 9:01:22AM
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BH06 @ 0'  
E412190-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2452036	
Benzene	ND	0.0250	1	12/24/24	12/24/24	
Ethylbenzene	ND	0.0250	1	12/24/24	12/24/24	
Toluene	ND	0.0250	1	12/24/24	12/24/24	
o-Xylene	ND	0.0250	1	12/24/24	12/24/24	
p,m-Xylene	ND	0.0500	1	12/24/24	12/24/24	
Total Xylenes	ND	0.0250	1	12/24/24	12/24/24	
Surrogate: 4-Bromochlorobenzene-PID	91.0 %	70-130		12/24/24	12/24/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2452036	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/24/24	12/24/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	93.0 %	70-130		12/24/24	12/24/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2453006	
Diesel Range Organics (C10-C28)	1070	25.0	1	12/30/24	12/31/24	
Oil Range Organics (C28-C36)	592	50.0	1	12/30/24	12/31/24	
Surrogate: n-Nonane	108 %	50-200		12/30/24	12/31/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2452037	
Chloride	11300	200	10	12/24/24	12/30/24	





Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TGR Pipeline Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 1/3/2025 9:01:22AM
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BH06 @ 2'  
E412190-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2452036	
Benzene	ND	0.0250	1	12/24/24	12/24/24	
Ethylbenzene	ND	0.0250	1	12/24/24	12/24/24	
Toluene	ND	0.0250	1	12/24/24	12/24/24	
o-Xylene	ND	0.0250	1	12/24/24	12/24/24	
p,m-Xylene	ND	0.0500	1	12/24/24	12/24/24	
Total Xylenes	ND	0.0250	1	12/24/24	12/24/24	
Surrogate: 4-Bromochlorobenzene-PID	90.9 %	70-130		12/24/24	12/24/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2452036	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/24/24	12/24/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	94.5 %	70-130		12/24/24	12/24/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2453006	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/30/24	12/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/30/24	12/31/24	
Surrogate: n-Nonane	110 %	50-200		12/30/24	12/31/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2452037	
Chloride	5520	100	5	12/24/24	12/30/24	



## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
1/3/2025 9:01:22AM

**BH06 @ 4'**

**E412190-10**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2452036	
Benzene	ND	0.0250	1	12/24/24	12/24/24	
Ethylbenzene	ND	0.0250	1	12/24/24	12/24/24	
Toluene	ND	0.0250	1	12/24/24	12/24/24	
o-Xylene	ND	0.0250	1	12/24/24	12/24/24	
p,m-Xylene	ND	0.0500	1	12/24/24	12/24/24	
Total Xylenes	ND	0.0250	1	12/24/24	12/24/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.1 %	70-130		12/24/24	12/24/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2452036	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/24/24	12/24/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.2 %	70-130		12/24/24	12/24/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: NV		Batch: 2453006	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/30/24	12/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/30/24	12/31/24	
<i>Surrogate: n-Nonane</i>						
	114 %	50-200		12/30/24	12/31/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: DT		Batch: 2452037	
Chloride	13900	200	10	12/24/24	12/30/24	



## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
1/3/2025 9:01:22AM

**BH08 @ 0'**

**E412190-11**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2452036	
Benzene	ND	0.0250	1	12/24/24	12/24/24	
Ethylbenzene	ND	0.0250	1	12/24/24	12/24/24	
Toluene	ND	0.0250	1	12/24/24	12/24/24	
o-Xylene	ND	0.0250	1	12/24/24	12/24/24	
p,m-Xylene	ND	0.0500	1	12/24/24	12/24/24	
Total Xylenes	ND	0.0250	1	12/24/24	12/24/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.0 %	70-130		12/24/24	12/24/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2452036	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/24/24	12/24/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.6 %	70-130		12/24/24	12/24/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: NV		Batch: 2453006	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/30/24	12/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/30/24	12/31/24	
<i>Surrogate: n-Nonane</i>						
	111 %	50-200		12/30/24	12/31/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: DT		Batch: 2452037	
Chloride	5920	100	5	12/24/24	12/30/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TGR Pipeline Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 1/3/2025 9:01:22AM
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BH08 @ 2'  
E412190-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2452036	
Benzene	ND	0.0250	1	12/24/24	12/24/24	
Ethylbenzene	ND	0.0250	1	12/24/24	12/24/24	
Toluene	ND	0.0250	1	12/24/24	12/24/24	
o-Xylene	ND	0.0250	1	12/24/24	12/24/24	
p,m-Xylene	ND	0.0500	1	12/24/24	12/24/24	
Total Xylenes	ND	0.0250	1	12/24/24	12/24/24	
Surrogate: 4-Bromochlorobenzene-PID	98.7 %	70-130		12/24/24	12/24/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2452036	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/24/24	12/24/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	91.1 %	70-130		12/24/24	12/24/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2453006	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/30/24	12/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/30/24	12/31/24	
Surrogate: n-Nonane	112 %	50-200		12/30/24	12/31/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2452037	
Chloride	6350	100	5	12/24/24	12/30/24	





Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TGR Pipeline Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 1/3/2025 9:01:22AM
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BH08 @ 4'  
E412190-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2452036	
Benzene	ND	0.0250	1	12/24/24	12/24/24	
Ethylbenzene	ND	0.0250	1	12/24/24	12/24/24	
Toluene	ND	0.0250	1	12/24/24	12/24/24	
o-Xylene	ND	0.0250	1	12/24/24	12/24/24	
p,m-Xylene	ND	0.0500	1	12/24/24	12/24/24	
Total Xylenes	ND	0.0250	1	12/24/24	12/24/24	
Surrogate: 4-Bromochlorobenzene-PID	98.5 %	70-130		12/24/24	12/24/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2452036	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/24/24	12/24/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	90.3 %	70-130		12/24/24	12/24/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2453006	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/30/24	12/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/30/24	12/31/24	
Surrogate: n-Nonane	111 %	50-200		12/30/24	12/31/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2452037	
Chloride	9340	200	10	12/24/24	12/30/24	



## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
1/3/2025 9:01:22AM

**BH08 @ 6.5'**

**E412190-14**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2452036	
Benzene	ND	0.0250	1	12/24/24	12/24/24	
Ethylbenzene	ND	0.0250	1	12/24/24	12/24/24	
Toluene	ND	0.0250	1	12/24/24	12/24/24	
o-Xylene	ND	0.0250	1	12/24/24	12/24/24	
p,m-Xylene	ND	0.0500	1	12/24/24	12/24/24	
Total Xylenes	ND	0.0250	1	12/24/24	12/24/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.9 %	70-130		12/24/24	12/24/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2452036	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/24/24	12/24/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.2 %	70-130		12/24/24	12/24/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: NV		Batch: 2453006	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/30/24	12/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/30/24	12/31/24	
<i>Surrogate: n-Nonane</i>						
	117 %	50-200		12/30/24	12/31/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: DT		Batch: 2452037	
Chloride	744	20.0	1	12/24/24	12/30/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TGR Pipeline Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 1/3/2025 9:01:22AM
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SS03 @ 0.5'  
E412190-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2452036	
Benzene	ND	0.0250	1	12/24/24	12/24/24	
Ethylbenzene	ND	0.0250	1	12/24/24	12/24/24	
Toluene	ND	0.0250	1	12/24/24	12/24/24	
o-Xylene	ND	0.0250	1	12/24/24	12/24/24	
p,m-Xylene	ND	0.0500	1	12/24/24	12/24/24	
Total Xylenes	ND	0.0250	1	12/24/24	12/24/24	
Surrogate: 4-Bromochlorobenzene-PID	98.5 %	70-130		12/24/24	12/24/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2452036	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/24/24	12/24/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	91.1 %	70-130		12/24/24	12/24/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2453006	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/30/24	12/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/30/24	12/31/24	
Surrogate: n-Nonane	109 %	50-200		12/30/24	12/31/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2452037	
Chloride	22.6	20.0	1	12/24/24	12/30/24	



QC Summary Data

Devon Energy - Carlsbad	Project Name:	TGR Pipeline Spill	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	1/3/2025 9:01:22AM

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 (2452036-BLK1) Prepared: 12/24/24 Analyzed: 12/24/24

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.09		8.00		88.7	70-130			

LCS (2452036-BS1) Prepared: 12/24/24 Analyzed: 12/24/24

Benzene	5.03	0.0250	5.00		101	70-130			
Ethylbenzene	4.85	0.0250	5.00		97.0	70-130			
Toluene	4.95	0.0250	5.00		99.0	70-130			
o-Xylene	4.83	0.0250	5.00		96.7	70-130			
p,m-Xylene	9.86	0.0500	10.0		98.6	70-130			
Total Xylenes	14.7	0.0250	15.0		97.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.11		8.00		88.9	70-130			

LCS Dup (2452036-BSD1) Prepared: 12/24/24 Analyzed: 12/24/24

Benzene	5.09	0.0250	5.00		102	70-130	1.17	20	
Ethylbenzene	4.91	0.0250	5.00		98.1	70-130	1.20	20	
Toluene	5.01	0.0250	5.00		100	70-130	1.26	20	
o-Xylene	4.89	0.0250	5.00		97.7	70-130	1.09	20	
p,m-Xylene	9.98	0.0500	10.0		99.8	70-130	1.27	20	
Total Xylenes	14.9	0.0250	15.0		99.1	70-130	1.21	20	
Surrogate: 4-Bromochlorobenzene-PID	6.98		8.00		87.3	70-130			





QC Summary Data

Devon Energy - Carlsbad	Project Name:	TGR Pipeline Spill	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	1/3/2025 9:01:22AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2452036-BLK1) Prepared: 12/24/24 Analyzed: 12/24/24

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

LCS (2452036-BS2) Prepared: 12/24/24 Analyzed: 12/24/24

Gasoline Range Organics (C6-C10)	41.0	20.0	50.0		82.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.55		8.00		94.4	70-130			

LCS Dup (2452036-BSD2) Prepared: 12/24/24 Analyzed: 12/24/24

Gasoline Range Organics (C6-C10)	37.7	20.0	50.0		75.4	70-130	8.34	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.64		8.00		95.5	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	TGR Pipeline Spill	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	1/3/2025 9:01:22AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2453006-BLK1)					Prepared: 12/30/24 Analyzed: 12/30/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	59.7		50.0		119	50-200			

LCS (2453006-BS1)					Prepared: 12/30/24 Analyzed: 12/30/24				
Diesel Range Organics (C10-C28)	298	25.0	250		119	38-132			
Surrogate: n-Nonane	56.5		50.0		113	50-200			

Matrix Spike (2453006-MS1)					Source: E412190-02		Prepared: 12/30/24 Analyzed: 12/30/24		
Diesel Range Organics (C10-C28)	386	25.0	250	54.9	132	38-132			
Surrogate: n-Nonane	55.9		50.0		112	50-200			

Matrix Spike Dup (2453006-MSD1)					Source: E412190-02		Prepared: 12/30/24 Analyzed: 12/30/24		
Diesel Range Organics (C10-C28)	340	25.0	250	54.9	114	38-132	12.8	20	
Surrogate: n-Nonane	54.7		50.0		109	50-200			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	TGR Pipeline Spill	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	1/3/2025 9:01:22AM

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 (2452037-BLK1)					Prepared: 12/24/24 Analyzed: 12/30/24				
Chloride	ND	20.0							
LCS (2452037-BS1)					Prepared: 12/24/24 Analyzed: 12/30/24				
Chloride	257	20.0	250		103	90-110			
LCS Dup (2452037-BSD1)					Prepared: 12/24/24 Analyzed: 12/30/24				
Chloride	258	20.0	250		103	90-110	0.175	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:	TGR Pipeline Spill	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	01/03/25 09:01

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



Client Information				Invoice Information		Lab Use Only		TAT				State							
Client: Devon				Company: Devon Energy		Lab WO#		1D 2D 3D Std				NM CO UT TX							
Project: TGR Pipeline Spill				Address: 5315 Buena Vista Dr		E412190		Job Number				21058-0007							
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220								X							
Address: 3122 National Parks Hwy				Phone: (575)689-7597															
City, State, Zip: Carlsbad NM, 88220				Email: jim.raley@divn.com															
Phone: 575-988-0055				Miscellaneous: Jim Raley															
Email: agiovengo@ensolum.com																			
Sample Information						Analysis and Method								EPA Program					
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA		
															Compliance	Y	or	N	
															PWSID #				
															Remarks				
1239	12/20/2024	S	1	BH02 @ 0'		1						X							
1246	12/20/2024	S	1	BH02 @ 0.5'		2						X							
1248	12/20/2024	S	1	BH03 @ 0'		3						X							
1252	12/20/2024	S	1	BH03 @ 0.5'		4						X							
1118	12/20/2024	S	1	BH04 @ 0'		5						X							
1122	12/20/2024	S	1	BH04 @ 2'		6						X							
1130	12/20/2024	S	1	BH04 @ 4.5'		7						X							
1201	12/20/2024	S	1	BH06 @ 0'		8						X							
1205	12/20/2024	S	1	BH06 @ 2'		9						X							
1210	12/20/2024	S	1	BH06 @ 4'		10						X							
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@divn.com, iestrella@ensolum.com, chamilton@ensolum.com, bsimmons@ensolum.com, igonzalez@ensolum.com																			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																			
Sampled by: Higinio Gonzalez, Bowan Simmons																			
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. Lab Use Only Received on ice: (Y) N T1 _____ T2 _____ T3 _____ AVG Temp °C _____											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time												
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time												
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time												
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____																			
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																			
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			





Client Information				Invoice Information				Lab Use Only				TAT				State							
Client: Devon				Company: Devon Energy				Lab WO#				1D 2D 3D Std				NM CO UT TX							
Project: TGR Pipeline Spill				Address: 5315 Buena Vista Dr				E 412190								X							
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220				Job Number				01058-0007											
Address: 3122 National Parks Hwy				Phone: (575)689-7597																			
City, State, Zip: Carlsbad NM, 88220				Email: jim.raley@dnv.com																			
Phone: 575-988-0055				Miscellaneous: Jim Raley																			
Email: agiovengo@ensolum.com																							
Sample Information												Analysis and Method								EPA Program			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA						
0959	12/20/2024	s	1	BH08 @ C'		11						X											
1004	12/20/2024	s	1	BH08 @ 2'		12						X											
1020	12/20/2024	s	1	BH08 @ 4'		13						X											
1046	12/20/2024	s	1	BH08 @ 6.5'		14						X											
1246	12-20-24	s	1	SSC3 @ 0.5'		15						X											
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@dnv.com, iestrella@ensolum.com, chamilton@ensolum.com, bsimmons@ensolum.com, jgonzalez@ensolum.com																							
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																							
Sampled by: Higinio Gonzalez, Bowan Simmons																							
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days															
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time																
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time																
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time																
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																							
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																							
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																							

## Envirotech Analytical Laboratory

Printed: 12/24/2024 8:17:05AM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Devon Energy - Carlsbad	Date Received:	12/24/24 07:30	Work Order ID:	E412190
Phone:	(505) 382-1211	Date Logged In:	12/23/24 12:37	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	01/03/25 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:  
Sample ID? Yes  
Date/Time Collected? Yes  
Collectors name? No

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:  
Ashley Giovengo



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Devon Energy - Carlsbad

Project Name: TGR Pipeline Spill

Work Order: E501236

Job Number: 01058-0007

Received: 1/31/2025

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
2/5/25

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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

Date Reported: 2/5/25

Ashley Giovengo  
6488 7 Rivers Hwy  
Artesia, NM 88210



Project Name: TGR Pipeline Spill  
Workorder: E501236  
Date Received: 1/31/2025 5:30:49AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/31/2025 5:30:49AM, under the Project Name: TGR Pipeline Spill.

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

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

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

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

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

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

Field Offices:

**Southern New Mexico Area**

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

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

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

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## Sample Summary

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TGR Pipeline Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 02/05/25 15:50
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
PH01-0'	E501236-01A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
PH01-2'	E501236-02A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
PH01-4'	E501236-03A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
PH01-6'	E501236-04A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
PH01-7'	E501236-05A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
PH01-8'	E501236-06A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
PH02-2'	E501236-07A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
PH02-4'	E501236-08A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
PH04-5'	E501236-09A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
PH04-7'	E501236-10A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
PH04-9'	E501236-11A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
PH04-11'	E501236-12A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
PH07-0'	E501236-13A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
PH07-2'	E501236-14A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
PH07-4'	E501236-15A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
PH07-6'	E501236-16A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
PH07-8'	E501236-17A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
PH07-10'	E501236-18A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
PH03-2'	E501236-19A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.
PH03-4'	E501236-20A	Soil	01/29/25	01/31/25	Glass Jar, 2 oz.



## Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TGR Pipeline Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 2/5/2025 3:50:44PM
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**PH01-0'**

**E501236-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2505137
Benzene	ND	0.0250	1	01/31/25	02/03/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/03/25	
Toluene	ND	0.0250	1	01/31/25	02/03/25	
o-Xylene	ND	0.0250	1	01/31/25	02/03/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/03/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/03/25	
<i>Surrogate: Bromofluorobenzene</i>		95.9 %	70-130	01/31/25	02/03/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		91.8 %	70-130	01/31/25	02/03/25	
<i>Surrogate: Toluene-d8</i>		94.7 %	70-130	01/31/25	02/03/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2505137
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/03/25	
<i>Surrogate: Bromofluorobenzene</i>		95.9 %	70-130	01/31/25	02/03/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		91.8 %	70-130	01/31/25	02/03/25	
<i>Surrogate: Toluene-d8</i>		94.7 %	70-130	01/31/25	02/03/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2505145
Diesel Range Organics (C10-C28)	239	25.0	1	01/31/25	02/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	02/01/25	
<i>Surrogate: n-Nonane</i>		101 %	61-141	01/31/25	02/01/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: JM		Batch: 2505154
Chloride	6950	100	5	01/31/25	01/31/25	



## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
2/5/2025 3:50:44PM

PH01-2'

E501236-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2505137
Benzene	ND	0.0250	1	01/31/25	02/03/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/03/25	
Toluene	ND	0.0250	1	01/31/25	02/03/25	
o-Xylene	ND	0.0250	1	01/31/25	02/03/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/03/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/03/25	
Surrogate: Bromofluorobenzene	97.2 %	70-130		01/31/25	02/03/25	
Surrogate: 1,2-Dichloroethane-d4	92.1 %	70-130		01/31/25	02/03/25	
Surrogate: Toluene-d8	97.0 %	70-130		01/31/25	02/03/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2505137
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/03/25	
Surrogate: Bromofluorobenzene	97.2 %	70-130		01/31/25	02/03/25	
Surrogate: 1,2-Dichloroethane-d4	92.1 %	70-130		01/31/25	02/03/25	
Surrogate: Toluene-d8	97.0 %	70-130		01/31/25	02/03/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2505145
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	02/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	02/01/25	
Surrogate: n-Nonane	99.8 %	61-141		01/31/25	02/01/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: JM		Batch: 2505154
Chloride	4730	40.0	2	01/31/25	01/31/25	



## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
2/5/2025 3:50:44PM

PH01-4'

E501236-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2505137
Benzene	ND	0.0250	1	01/31/25	02/01/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/01/25	
Toluene	ND	0.0250	1	01/31/25	02/01/25	
o-Xylene	ND	0.0250	1	01/31/25	02/01/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/01/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/01/25	
Surrogate: Bromofluorobenzene	94.0 %	70-130		01/31/25	02/01/25	
Surrogate: 1,2-Dichloroethane-d4	93.1 %	70-130		01/31/25	02/01/25	
Surrogate: Toluene-d8	95.3 %	70-130		01/31/25	02/01/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2505137
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/01/25	
Surrogate: Bromofluorobenzene	94.0 %	70-130		01/31/25	02/01/25	
Surrogate: 1,2-Dichloroethane-d4	93.1 %	70-130		01/31/25	02/01/25	
Surrogate: Toluene-d8	95.3 %	70-130		01/31/25	02/01/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2505145
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	02/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	02/01/25	
Surrogate: n-Nonane	104 %	61-141		01/31/25	02/01/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: JM		Batch: 2505154
Chloride	14900	200	10	01/31/25	01/31/25	





## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
2/5/2025 3:50:44PM

PH01-6'

E501236-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2505137
Benzene	ND	0.0250	1	01/31/25	02/01/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/01/25	
Toluene	ND	0.0250	1	01/31/25	02/01/25	
o-Xylene	ND	0.0250	1	01/31/25	02/01/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/01/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/01/25	
Surrogate: Bromofluorobenzene	93.6 %	70-130		01/31/25	02/01/25	
Surrogate: 1,2-Dichloroethane-d4	92.3 %	70-130		01/31/25	02/01/25	
Surrogate: Toluene-d8	97.7 %	70-130		01/31/25	02/01/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2505137
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/01/25	
Surrogate: Bromofluorobenzene	93.6 %	70-130		01/31/25	02/01/25	
Surrogate: 1,2-Dichloroethane-d4	92.3 %	70-130		01/31/25	02/01/25	
Surrogate: Toluene-d8	97.7 %	70-130		01/31/25	02/01/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2505145
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	02/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	02/01/25	
Surrogate: n-Nonane	104 %	61-141		01/31/25	02/01/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: JM		Batch: 2505154
Chloride	2790	40.0	2	01/31/25	01/31/25	



## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
2/5/2025 3:50:44PM

PH01-7'

E501236-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2505137
Benzene	ND	0.0250	1	01/31/25	02/01/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/01/25	
Toluene	ND	0.0250	1	01/31/25	02/01/25	
o-Xylene	ND	0.0250	1	01/31/25	02/01/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/01/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/01/25	
Surrogate: Bromofluorobenzene	95.3 %	70-130		01/31/25	02/01/25	
Surrogate: 1,2-Dichloroethane-d4	94.8 %	70-130		01/31/25	02/01/25	
Surrogate: Toluene-d8	94.5 %	70-130		01/31/25	02/01/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2505137
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/01/25	
Surrogate: Bromofluorobenzene	95.3 %	70-130		01/31/25	02/01/25	
Surrogate: 1,2-Dichloroethane-d4	94.8 %	70-130		01/31/25	02/01/25	
Surrogate: Toluene-d8	94.5 %	70-130		01/31/25	02/01/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2505145
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	02/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	02/01/25	
Surrogate: n-Nonane	107 %	61-141		01/31/25	02/01/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: JM		Batch: 2505154
Chloride	185	20.0	1	01/31/25	01/31/25	



## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
2/5/2025 3:50:44PM

PH01-8'

E501236-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2505137
Benzene	ND	0.0250	1	01/31/25	02/01/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/01/25	
Toluene	ND	0.0250	1	01/31/25	02/01/25	
o-Xylene	ND	0.0250	1	01/31/25	02/01/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/01/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/01/25	
Surrogate: Bromofluorobenzene	94.3 %	70-130		01/31/25	02/01/25	
Surrogate: 1,2-Dichloroethane-d4	93.9 %	70-130		01/31/25	02/01/25	
Surrogate: Toluene-d8	93.8 %	70-130		01/31/25	02/01/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2505137
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/01/25	
Surrogate: Bromofluorobenzene	94.3 %	70-130		01/31/25	02/01/25	
Surrogate: 1,2-Dichloroethane-d4	93.9 %	70-130		01/31/25	02/01/25	
Surrogate: Toluene-d8	93.8 %	70-130		01/31/25	02/01/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2505145
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	02/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	02/01/25	
Surrogate: n-Nonane	110 %	61-141		01/31/25	02/01/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: JM		Batch: 2505154
Chloride	131	20.0	1	01/31/25	01/31/25	



## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
2/5/2025 3:50:44PM

## PH02-2'

## E501236-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2505137
Benzene	ND	0.0250	1	01/31/25	02/01/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/01/25	
Toluene	ND	0.0250	1	01/31/25	02/01/25	
o-Xylene	ND	0.0250	1	01/31/25	02/01/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/01/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/01/25	
Surrogate: Bromofluorobenzene	95.3 %	70-130		01/31/25	02/01/25	
Surrogate: 1,2-Dichloroethane-d4	93.5 %	70-130		01/31/25	02/01/25	
Surrogate: Toluene-d8	95.3 %	70-130		01/31/25	02/01/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2505137
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/01/25	
Surrogate: Bromofluorobenzene	95.3 %	70-130		01/31/25	02/01/25	
Surrogate: 1,2-Dichloroethane-d4	93.5 %	70-130		01/31/25	02/01/25	
Surrogate: Toluene-d8	95.3 %	70-130		01/31/25	02/01/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2505145
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	02/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	02/01/25	
Surrogate: n-Nonane	107 %	61-141		01/31/25	02/01/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: JM		Batch: 2505154
Chloride	2710	20.0	1	01/31/25	01/31/25	



## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
2/5/2025 3:50:44PM

PH02-4'

E501236-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2505137
Benzene	ND	0.0250	1	01/31/25	02/01/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/01/25	
Toluene	ND	0.0250	1	01/31/25	02/01/25	
o-Xylene	ND	0.0250	1	01/31/25	02/01/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/01/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/01/25	
Surrogate: Bromofluorobenzene	93.9 %	70-130		01/31/25	02/01/25	
Surrogate: 1,2-Dichloroethane-d4	95.2 %	70-130		01/31/25	02/01/25	
Surrogate: Toluene-d8	94.0 %	70-130		01/31/25	02/01/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2505137
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/01/25	
Surrogate: Bromofluorobenzene	93.9 %	70-130		01/31/25	02/01/25	
Surrogate: 1,2-Dichloroethane-d4	95.2 %	70-130		01/31/25	02/01/25	
Surrogate: Toluene-d8	94.0 %	70-130		01/31/25	02/01/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2505145
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	02/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	02/01/25	
Surrogate: n-Nonane	111 %	61-141		01/31/25	02/01/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: JM		Batch: 2505154
Chloride	113	20.0	1	01/31/25	01/31/25	





## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
2/5/2025 3:50:44PM

PH04-5'

E501236-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2505137	
Benzene	ND	0.0250	1	01/31/25	02/01/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/01/25	
Toluene	ND	0.0250	1	01/31/25	02/01/25	
o-Xylene	ND	0.0250	1	01/31/25	02/01/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/01/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/01/25	
Surrogate: Bromofluorobenzene	97.7 %	70-130		01/31/25	02/01/25	
Surrogate: 1,2-Dichloroethane-d4	96.9 %	70-130		01/31/25	02/01/25	
Surrogate: Toluene-d8	95.0 %	70-130		01/31/25	02/01/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2505137	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/01/25	
Surrogate: Bromofluorobenzene	97.7 %	70-130		01/31/25	02/01/25	
Surrogate: 1,2-Dichloroethane-d4	96.9 %	70-130		01/31/25	02/01/25	
Surrogate: Toluene-d8	95.0 %	70-130		01/31/25	02/01/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: NV		Batch: 2505145	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	02/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	02/01/25	
Surrogate: n-Nonane	106 %	61-141		01/31/25	02/01/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: JM		Batch: 2505154	
Chloride	16700	200	10	01/31/25	01/31/25	



## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
2/5/2025 3:50:44PM

PH04-7'

E501236-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2505137
Benzene	ND	0.0250	1	01/31/25	02/01/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/01/25	
Toluene	ND	0.0250	1	01/31/25	02/01/25	
o-Xylene	ND	0.0250	1	01/31/25	02/01/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/01/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/01/25	
Surrogate: Bromofluorobenzene	94.4 %	70-130		01/31/25	02/01/25	
Surrogate: 1,2-Dichloroethane-d4	94.3 %	70-130		01/31/25	02/01/25	
Surrogate: Toluene-d8	95.4 %	70-130		01/31/25	02/01/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2505137
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/01/25	
Surrogate: Bromofluorobenzene	94.4 %	70-130		01/31/25	02/01/25	
Surrogate: 1,2-Dichloroethane-d4	94.3 %	70-130		01/31/25	02/01/25	
Surrogate: Toluene-d8	95.4 %	70-130		01/31/25	02/01/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2505145
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	02/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	02/01/25	
Surrogate: n-Nonane	107 %	61-141		01/31/25	02/01/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: JM		Batch: 2505154
Chloride	15700	200	10	01/31/25	01/31/25	



## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
2/5/2025 3:50:44PM

PH04-9'

E501236-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2505137	
Benzene	ND	0.0250	1	01/31/25	02/01/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/01/25	
Toluene	ND	0.0250	1	01/31/25	02/01/25	
o-Xylene	ND	0.0250	1	01/31/25	02/01/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/01/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/01/25	
Surrogate: Bromofluorobenzene	94.5 %	70-130		01/31/25	02/01/25	
Surrogate: 1,2-Dichloroethane-d4	97.3 %	70-130		01/31/25	02/01/25	
Surrogate: Toluene-d8	98.3 %	70-130		01/31/25	02/01/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2505137	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/01/25	
Surrogate: Bromofluorobenzene	94.5 %	70-130		01/31/25	02/01/25	
Surrogate: 1,2-Dichloroethane-d4	97.3 %	70-130		01/31/25	02/01/25	
Surrogate: Toluene-d8	98.3 %	70-130		01/31/25	02/01/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: NV		Batch: 2505145	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	02/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	02/01/25	
Surrogate: n-Nonane	107 %	61-141		01/31/25	02/01/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: JM		Batch: 2505154	
Chloride	6730	100	5	01/31/25	01/31/25	



## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
2/5/2025 3:50:44PM

PH04-11'

E501236-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2505137
Benzene	ND	0.0250	1	01/31/25	02/01/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/01/25	
Toluene	ND	0.0250	1	01/31/25	02/01/25	
o-Xylene	ND	0.0250	1	01/31/25	02/01/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/01/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/01/25	
Surrogate: Bromofluorobenzene	94.8 %	70-130		01/31/25	02/01/25	
Surrogate: 1,2-Dichloroethane-d4	97.6 %	70-130		01/31/25	02/01/25	
Surrogate: Toluene-d8	95.0 %	70-130		01/31/25	02/01/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2505137
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/01/25	
Surrogate: Bromofluorobenzene	94.8 %	70-130		01/31/25	02/01/25	
Surrogate: 1,2-Dichloroethane-d4	97.6 %	70-130		01/31/25	02/01/25	
Surrogate: Toluene-d8	95.0 %	70-130		01/31/25	02/01/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2505145
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	02/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	02/01/25	
Surrogate: n-Nonane	109 %	61-141		01/31/25	02/01/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: JM		Batch: 2505154
Chloride	362	20.0	1	01/31/25	01/31/25	



## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
2/5/2025 3:50:44PM

PH07-0'

E501236-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2505137
Benzene	ND	0.0250	1	01/31/25	02/01/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/01/25	
Toluene	ND	0.0250	1	01/31/25	02/01/25	
o-Xylene	ND	0.0250	1	01/31/25	02/01/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/01/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/01/25	
Surrogate: Bromofluorobenzene	92.8 %	70-130		01/31/25	02/01/25	
Surrogate: 1,2-Dichloroethane-d4	94.7 %	70-130		01/31/25	02/01/25	
Surrogate: Toluene-d8	94.8 %	70-130		01/31/25	02/01/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2505137
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/01/25	
Surrogate: Bromofluorobenzene	92.8 %	70-130		01/31/25	02/01/25	
Surrogate: 1,2-Dichloroethane-d4	94.7 %	70-130		01/31/25	02/01/25	
Surrogate: Toluene-d8	94.8 %	70-130		01/31/25	02/01/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2505145
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	02/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	02/01/25	
Surrogate: n-Nonane	104 %	61-141		01/31/25	02/01/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: JM		Batch: 2505154
Chloride	712	20.0	1	01/31/25	01/31/25	





## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
2/5/2025 3:50:44PM

PH07-2'

E501236-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2505137
Benzene	ND	0.0250	1	01/31/25	02/01/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/01/25	
Toluene	ND	0.0250	1	01/31/25	02/01/25	
o-Xylene	ND	0.0250	1	01/31/25	02/01/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/01/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/01/25	
Surrogate: Bromofluorobenzene	94.3 %	70-130		01/31/25	02/01/25	
Surrogate: 1,2-Dichloroethane-d4	95.6 %	70-130		01/31/25	02/01/25	
Surrogate: Toluene-d8	94.4 %	70-130		01/31/25	02/01/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2505137
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/01/25	
Surrogate: Bromofluorobenzene	94.3 %	70-130		01/31/25	02/01/25	
Surrogate: 1,2-Dichloroethane-d4	95.6 %	70-130		01/31/25	02/01/25	
Surrogate: Toluene-d8	94.4 %	70-130		01/31/25	02/01/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2505145
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	02/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	02/01/25	
Surrogate: n-Nonane	105 %	61-141		01/31/25	02/01/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: JM		Batch: 2505154
Chloride	1310	20.0	1	01/31/25	01/31/25	



## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
2/5/2025 3:50:44PM

PH07-4'

E501236-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2505137
Benzene	ND	0.0250	1	01/31/25	02/01/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/01/25	
Toluene	ND	0.0250	1	01/31/25	02/01/25	
o-Xylene	ND	0.0250	1	01/31/25	02/01/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/01/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/01/25	
Surrogate: Bromofluorobenzene	94.0 %	70-130		01/31/25	02/01/25	
Surrogate: 1,2-Dichloroethane-d4	96.4 %	70-130		01/31/25	02/01/25	
Surrogate: Toluene-d8	96.6 %	70-130		01/31/25	02/01/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2505137
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/01/25	
Surrogate: Bromofluorobenzene	94.0 %	70-130		01/31/25	02/01/25	
Surrogate: 1,2-Dichloroethane-d4	96.4 %	70-130		01/31/25	02/01/25	
Surrogate: Toluene-d8	96.6 %	70-130		01/31/25	02/01/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2505145
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	02/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	02/01/25	
Surrogate: n-Nonane	99.8 %	61-141		01/31/25	02/01/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: JM		Batch: 2505154
Chloride	3570	40.0	2	01/31/25	01/31/25	



## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
2/5/2025 3:50:44PM

## PH07-6'

## E501236-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2505137
Benzene	ND	0.0250	1	01/31/25	02/01/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/01/25	
Toluene	ND	0.0250	1	01/31/25	02/01/25	
o-Xylene	ND	0.0250	1	01/31/25	02/01/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/01/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/01/25	
Surrogate: Bromofluorobenzene	96.6 %	70-130		01/31/25	02/01/25	
Surrogate: 1,2-Dichloroethane-d4	96.4 %	70-130		01/31/25	02/01/25	
Surrogate: Toluene-d8	94.7 %	70-130		01/31/25	02/01/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2505137
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/01/25	
Surrogate: Bromofluorobenzene	96.6 %	70-130		01/31/25	02/01/25	
Surrogate: 1,2-Dichloroethane-d4	96.4 %	70-130		01/31/25	02/01/25	
Surrogate: Toluene-d8	94.7 %	70-130		01/31/25	02/01/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2505145
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	02/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	02/01/25	
Surrogate: n-Nonane	101 %	61-141		01/31/25	02/01/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: JM		Batch: 2505154
Chloride	13100	200	10	01/31/25	01/31/25	



## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
2/5/2025 3:50:44PM

PH07-8'

E501236-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2505137
Benzene	ND	0.0250	1	01/31/25	02/01/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/01/25	
Toluene	ND	0.0250	1	01/31/25	02/01/25	
o-Xylene	ND	0.0250	1	01/31/25	02/01/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/01/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/01/25	
Surrogate: Bromofluorobenzene	96.3 %	70-130		01/31/25	02/01/25	
Surrogate: 1,2-Dichloroethane-d4	98.3 %	70-130		01/31/25	02/01/25	
Surrogate: Toluene-d8	96.9 %	70-130		01/31/25	02/01/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2505137
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/01/25	
Surrogate: Bromofluorobenzene	96.3 %	70-130		01/31/25	02/01/25	
Surrogate: 1,2-Dichloroethane-d4	98.3 %	70-130		01/31/25	02/01/25	
Surrogate: Toluene-d8	96.9 %	70-130		01/31/25	02/01/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2505145
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	02/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	02/01/25	
Surrogate: n-Nonane	101 %	61-141		01/31/25	02/01/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: JM		Batch: 2505154
Chloride	7690	200	10	01/31/25	02/01/25	



## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
2/5/2025 3:50:44PM

PH07-10'

E501236-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2505137
Benzene	ND	0.0250	1	01/31/25	02/01/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/01/25	
Toluene	ND	0.0250	1	01/31/25	02/01/25	
o-Xylene	ND	0.0250	1	01/31/25	02/01/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/01/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/01/25	
Surrogate: Bromofluorobenzene	93.1 %	70-130		01/31/25	02/01/25	
Surrogate: 1,2-Dichloroethane-d4	92.1 %	70-130		01/31/25	02/01/25	
Surrogate: Toluene-d8	93.7 %	70-130		01/31/25	02/01/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2505137
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/01/25	
Surrogate: Bromofluorobenzene	93.1 %	70-130		01/31/25	02/01/25	
Surrogate: 1,2-Dichloroethane-d4	92.1 %	70-130		01/31/25	02/01/25	
Surrogate: Toluene-d8	93.7 %	70-130		01/31/25	02/01/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2505145
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	02/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	02/01/25	
Surrogate: n-Nonane	105 %	61-141		01/31/25	02/01/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: JM		Batch: 2505154
Chloride	1110	20.0	1	01/31/25	02/01/25	





## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
2/5/2025 3:50:44PM

PH03-2'

E501236-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2505137	
Benzene	ND	0.0250	1	01/31/25	02/01/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/01/25	
Toluene	ND	0.0250	1	01/31/25	02/01/25	
o-Xylene	ND	0.0250	1	01/31/25	02/01/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/01/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/01/25	
Surrogate: Bromofluorobenzene	93.6 %	70-130		01/31/25	02/01/25	
Surrogate: 1,2-Dichloroethane-d4	92.9 %	70-130		01/31/25	02/01/25	
Surrogate: Toluene-d8	94.6 %	70-130		01/31/25	02/01/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2505137	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/01/25	
Surrogate: Bromofluorobenzene	93.6 %	70-130		01/31/25	02/01/25	
Surrogate: 1,2-Dichloroethane-d4	92.9 %	70-130		01/31/25	02/01/25	
Surrogate: Toluene-d8	94.6 %	70-130		01/31/25	02/01/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: NV		Batch: 2505145	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	02/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	02/01/25	
Surrogate: n-Nonane	104 %	61-141		01/31/25	02/01/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: JM		Batch: 2505154	
Chloride	7580	100	5	01/31/25	02/01/25	



## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
2/5/2025 3:50:44PM

PH03-4'

E501236-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2505137	
Benzene	ND	0.0250	1	01/31/25	02/01/25	
Ethylbenzene	ND	0.0250	1	01/31/25	02/01/25	
Toluene	ND	0.0250	1	01/31/25	02/01/25	
o-Xylene	ND	0.0250	1	01/31/25	02/01/25	
p,m-Xylene	ND	0.0500	1	01/31/25	02/01/25	
Total Xylenes	ND	0.0250	1	01/31/25	02/01/25	
Surrogate: Bromofluorobenzene	96.3 %	70-130		01/31/25	02/01/25	
Surrogate: 1,2-Dichloroethane-d4	94.5 %	70-130		01/31/25	02/01/25	
Surrogate: Toluene-d8	97.8 %	70-130		01/31/25	02/01/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2505137	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/31/25	02/01/25	
Surrogate: Bromofluorobenzene	96.3 %	70-130		01/31/25	02/01/25	
Surrogate: 1,2-Dichloroethane-d4	94.5 %	70-130		01/31/25	02/01/25	
Surrogate: Toluene-d8	97.8 %	70-130		01/31/25	02/01/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: NV		Batch: 2505145	
Diesel Range Organics (C10-C28)	ND	25.0	1	01/31/25	02/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	01/31/25	02/01/25	
Surrogate: n-Nonane	105 %	61-141		01/31/25	02/01/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: JM		Batch: 2505154	
Chloride	258	20.0	1	01/31/25	02/01/25	



## QC Summary Data

Devon Energy - Carlsbad	Project Name:	TGR Pipeline Spill	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/5/2025 3:50:44PM

## Volatile Organic Compounds by EPA 8260B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2505137-BLK1)

Prepared: 01/31/25 Analyzed: 02/03/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.471		0.500		94.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.464		0.500		92.7	70-130			
Surrogate: Toluene-d8	0.472		0.500		94.4	70-130			

## LCS (2505137-BS1)

Prepared: 01/31/25 Analyzed: 02/03/25

Benzene	2.33	0.0250	2.50		93.4	70-130			
Ethylbenzene	2.24	0.0250	2.50		89.5	70-130			
Toluene	2.18	0.0250	2.50		87.2	70-130			
o-Xylene	2.16	0.0250	2.50		86.3	70-130			
p,m-Xylene	4.33	0.0500	5.00		86.6	70-130			
Total Xylenes	6.49	0.0250	7.50		86.5	70-130			
Surrogate: Bromofluorobenzene	0.476		0.500		95.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.475		0.500		94.9	70-130			
Surrogate: Toluene-d8	0.462		0.500		92.3	70-130			

## Matrix Spike (2505137-MS1)

Source: E501236-03

Prepared: 01/31/25 Analyzed: 02/03/25

Benzene	2.51	0.0250	2.50	ND	100	48-131			
Ethylbenzene	2.43	0.0250	2.50	ND	97.0	45-135			
Toluene	2.41	0.0250	2.50	ND	96.6	48-130			
o-Xylene	2.38	0.0250	2.50	ND	95.2	43-135			
p,m-Xylene	4.76	0.0500	5.00	ND	95.2	43-135			
Total Xylenes	7.14	0.0250	7.50	ND	95.2	43-135			
Surrogate: Bromofluorobenzene	0.476		0.500		95.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.479		0.500		95.7	70-130			
Surrogate: Toluene-d8	0.473		0.500		94.5	70-130			

## Matrix Spike Dup (2505137-MSD1)

Source: E501236-03

Prepared: 01/31/25 Analyzed: 02/03/25

Benzene	2.44	0.0250	2.50	ND	97.5	48-131	2.95	23	
Ethylbenzene	2.36	0.0250	2.50	ND	94.4	45-135	2.80	27	
Toluene	2.34	0.0250	2.50	ND	93.4	48-130	3.30	24	
o-Xylene	2.27	0.0250	2.50	ND	90.8	43-135	4.73	27	
p,m-Xylene	4.57	0.0500	5.00	ND	91.5	43-135	4.03	27	
Total Xylenes	6.84	0.0250	7.50	ND	91.3	43-135	4.26	27	
Surrogate: Bromofluorobenzene	0.476		0.500		95.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.483		0.500		96.5	70-130			
Surrogate: Toluene-d8	0.474		0.500		94.8	70-130			



## QC Summary Data

Devon Energy - Carlsbad	Project Name:	TGR Pipeline Spill	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/5/2025 3:50:44PM

## Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2505137-BLK1)

Prepared: 01/31/25 Analyzed: 02/03/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.471		0.500		94.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.464		0.500		92.7	70-130			
Surrogate: Toluene-d8	0.472		0.500		94.4	70-130			

## LCS (2505137-BS2)

Prepared: 01/31/25 Analyzed: 02/03/25

Gasoline Range Organics (C6-C10)	54.2	20.0	50.0		108	70-130			
Surrogate: Bromofluorobenzene	0.472		0.500		94.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.475		0.500		94.9	70-130			
Surrogate: Toluene-d8	0.483		0.500		96.5	70-130			

## Matrix Spike (2505137-MS2)

Source: E501236-03

Prepared: 01/31/25 Analyzed: 02/03/25

Gasoline Range Organics (C6-C10)	52.8	20.0	50.0	ND	106	70-130			
Surrogate: Bromofluorobenzene	0.487		0.500		97.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.471		0.500		94.1	70-130			
Surrogate: Toluene-d8	0.485		0.500		96.9	70-130			

## Matrix Spike Dup (2505137-MSD2)

Source: E501236-03

Prepared: 01/31/25 Analyzed: 02/03/25

Gasoline Range Organics (C6-C10)	51.1	20.0	50.0	ND	102	70-130	3.23	20	
Surrogate: Bromofluorobenzene	0.470		0.500		93.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.493		0.500		98.6	70-130			
Surrogate: Toluene-d8	0.468		0.500		93.5	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	TGR Pipeline Spill	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/5/2025 3:50:44PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2505145-BLK1)					Prepared: 01/31/25 Analyzed: 02/01/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	53.6		50.0		107	61-141			

LCS (2505145-BS1)					Prepared: 01/31/25 Analyzed: 02/01/25				
Diesel Range Organics (C10-C28)	213	25.0	250		85.0	66-144			
Surrogate: n-Nonane	51.0		50.0		102	61-141			

Matrix Spike (2505145-MS1)					Source: E501236-08		Prepared: 01/31/25 Analyzed: 02/01/25		
Diesel Range Organics (C10-C28)	229	25.0	250	ND	91.7	56-156			
Surrogate: n-Nonane	54.8		50.0		110	61-141			

Matrix Spike Dup (2505145-MSD1)					Source: E501236-08		Prepared: 01/31/25 Analyzed: 02/01/25		
Diesel Range Organics (C10-C28)	223	25.0	250	ND	89.4	56-156	2.56	20	
Surrogate: n-Nonane	53.1		50.0		106	61-141			





QC Summary Data

Devon Energy - Carlsbad	Project Name:	TGR Pipeline Spill	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/5/2025 3:50:44PM

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 (2505154-BLK1)					Prepared: 01/31/25 Analyzed: 01/31/25				
Chloride	ND	20.0							
LCS (2505154-BS1)					Prepared: 01/31/25 Analyzed: 01/31/25				
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2505154-MS1)					Source: E501236-06		Prepared: 01/31/25 Analyzed: 01/31/25		
Chloride	365	20.0	250	131	93.7	80-120			
Matrix Spike Dup (2505154-MSD1)					Source: E501236-06		Prepared: 01/31/25 Analyzed: 01/31/25		
Chloride	382	20.0	250	131	101	80-120	4.65	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:	TGR Pipeline Spill	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	02/05/25 15:50

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

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

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



## Chain of Custody

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Client Information				Invoice Information		Lab Use Only		TAT				State					
Client: Devon				Company: Devon		Lab WO#		1D 2D 3D Std				NM CO UT TX					
Project: TGR Pipeline Spill				Address: 5315 Buena Vista Dr		E 501236		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@dv.com													
Phone: 575-988-0055				Miscellaneous: Jim Raley													
Email: agiovengo@ensolum.com																	
Sample Information						Analysis and Method								EPA Program			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA
10:29	1/29/2025	S	1	PH01 - 0'		1						X					
10:36	1/29/2025	S	1	PH01 - 2'		2						X					
10:57	1/29/2025	S	1	PH01 - 4'		3						X					
11:04	1/29/2025	S	1	PH01 - 6'		4						X					
11:13	1/29/2025	S	1	PH01 - 7'		5						X					
11:27	1/29/2025	S	1	PH01 - 8'		6						X					
11:54	1/29/2025	S	1	PH02 - 2'		7						X					
12:18	1/29/2025	S	1	PH02 - 4'		8						X					
12:36	1/29/2025	S	1	PH04 - 5'		9						X					
12:46	1/29/2025	S	1	PH04 - 7'		10						X					
<b>Additional Instructions:</b> Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@dv.com, iestrella@ensolum.com, bdeal@ensolum, chamilton@ensolum.com, bsimmons@ensolum.com I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Bowan Simmons																	
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. <b>Lab Use Only</b> Received on ice: <input checked="" type="radio"/> Y / N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>									
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time										
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other												Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA					
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																	



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## Chain of Custody

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Client Information				Invoice Information		Lab Use Only		TAT				State					
Client: Devon				Company: Devon		Lab WO#		1D 2D 3D Std				NM CO UT TX					
Project: TGR Pipeline Spill				Address: 5315 Buena Vista Dr		E 501236		Job Number				N058-0007					
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220								X					
Address: 3122 National Parks Hwy				Phone: (575)689-7597													
City, State, Zip: Carlsbad NM, 88220				Email: jim.raley@dv.com													
Phone: 575-988-0055				Miscellaneous: Jim Raley													
Email: agiovengo@ensolum.com																	
Sample Information						Analysis and Method								EPA Program			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA
12:56	1/29/2025	S	1	PH04 - 9'		11						X					
13:09	1/29/2025	S	1	PH04 - 11'		12						X					
13:27	1/29/2025	S	1	PH07 - 0'		13						X					
13:38	1/29/2025	S	1	PH07 - 2'		14						X					
13:41	1/29/2025	S	1	PH07 - 4'		15						X					
13:55	1/29/2025	S	1	PH07 - 6'		16						X					
14:10	1/29/2025	S	1	PH07 - 8'		17						X					
14:28	1/29/2025	S	1	PH07 - 10'		18						X					
14:42	1/29/2025	S	1	PH03 - 2'		19						X					
14:50	1/29/2025	S	1	PH03 - 4'		20						X					
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@dv.com, iestrella@ensolum.com, bdeal@ensolum, chamilton@ensolum.com, bsimmons@ensolum.com																	
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																	
Sampled by: Bowan Simmons																	
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Received by: (Signature)	
<i>[Signature]</i>		1/30/25	10:30	<i>Michelle Gonzales</i>		1-30-25	1030	<i>[Signature]</i>		1-30-25	1630	<i>[Signature]</i>		1-31-25	0530	<i>[Signature]</i>	
<i>Michelle Gonzales</i>		1-30-25	1630	<i>[Signature]</i>		1-30-25	1630	<i>[Signature]</i>		1-31-25	0530	<i>[Signature]</i>		1-31-25	0530	<i>[Signature]</i>	
<i>[Signature]</i>		1-30-25	2330	<i>[Signature]</i>		1-31-25	0530	<i>[Signature]</i>		1-31-25	0530	<i>[Signature]</i>		1-31-25	0530	<i>[Signature]</i>	
<i>[Signature]</i>		1-30-25	2330	<i>[Signature]</i>		1-31-25	0530	<i>[Signature]</i>		1-31-25	0530	<i>[Signature]</i>		1-31-25	0530	<i>[Signature]</i>	
Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.																	
Lab Use Only																	
Received on ice: <input checked="" type="radio"/> Y / <input type="radio"/> N																	
T1 _____ T2 _____ T3 _____																	
AVG Temp °C 4																	
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____																	
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA _____																	
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																	



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## Envirotech Analytical Laboratory

Printed: 1/31/2025 9:44:11AM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Devon Energy - Carlsbad	Date Received:	01/31/25 05:30	Work Order ID:	E501236
Phone:	(505) 382-1211	Date Logged In:	01/30/25 16:18	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	02/06/25 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:
  - Sample ID? Yes
  - Date/Time Collected? Yes
  - Collectors name? No

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:

Ashley Giovengo



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Devon Energy - Carlsbad

Project Name: TGR Pipeline Spill

Work Order: E502046

Job Number: 01058-0007

Received: 2/6/2025

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
2/11/25

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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



Date Reported: 2/11/25

Ashley Giovengo  
6488 7 Rivers Hwy  
Artesia, NM 88210



Project Name: TGR Pipeline Spill  
Workorder: E502046  
Date Received: 2/6/2025 6:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/6/2025 6:00:00AM, under the Project Name: TGR Pipeline Spill.

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

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

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

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

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

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

Field Offices:

**Southern New Mexico Area**

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

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

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

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## Sample Summary

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TGR Pipeline Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 02/11/25 10:01
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
PH05-0'	E502046-01A	Soil	02/04/25	02/06/25	Glass Jar, 2 oz.
PH05-1'	E502046-02A	Soil	02/04/25	02/06/25	Glass Jar, 2 oz.
PH05-3'	E502046-03A	Soil	02/04/25	02/06/25	Glass Jar, 2 oz.
PH05-5'	E502046-04A	Soil	02/04/25	02/06/25	Glass Jar, 2 oz.
PH05-7'	E502046-05A	Soil	02/04/25	02/06/25	Glass Jar, 2 oz.
PH05-9'	E502046-06A	Soil	02/04/25	02/06/25	Glass Jar, 2 oz.
PH05-11'	E502046-07A	Soil	02/04/25	02/06/25	Glass Jar, 2 oz.
PH05-13'	E502046-08A	Soil	02/04/25	02/06/25	Glass Jar, 2 oz.
PH06-5'	E502046-09A	Soil	02/04/25	02/06/25	Glass Jar, 2 oz.
PH06-7'	E502046-10A	Soil	02/04/25	02/06/25	Glass Jar, 2 oz.
PH08-7'	E502046-11A	Soil	02/04/25	02/06/25	Glass Jar, 2 oz.
PH08-9'	E502046-12A	Soil	02/04/25	02/06/25	Glass Jar, 2 oz.



## Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TGR Pipeline Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 2/11/2025 10:01:02AM
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**PH05-0'**

**E502046-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2506090
Benzene	ND	0.0250	1	02/06/25	02/07/25	
Ethylbenzene	ND	0.0250	1	02/06/25	02/07/25	
Toluene	<b>0.108</b>	0.0250	1	02/06/25	02/07/25	
o-Xylene	ND	0.0250	1	02/06/25	02/07/25	
p,m-Xylene	ND	0.0500	1	02/06/25	02/07/25	
Total Xylenes	ND	0.0250	1	02/06/25	02/07/25	
<i>Surrogate: Bromofluorobenzene</i>		95.3 %	70-130	02/06/25	02/07/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.1 %	70-130	02/06/25	02/07/25	
<i>Surrogate: Toluene-d8</i>		100 %	70-130	02/06/25	02/07/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2506090
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/06/25	02/07/25	
<i>Surrogate: Bromofluorobenzene</i>		95.3 %	70-130	02/06/25	02/07/25	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.1 %	70-130	02/06/25	02/07/25	
<i>Surrogate: Toluene-d8</i>		100 %	70-130	02/06/25	02/07/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2506100
Diesel Range Organics (C10-C28)	<b>119</b>	25.0	1	02/06/25	02/07/25	
Oil Range Organics (C28-C36)	<b>50.2</b>	50.0	1	02/06/25	02/07/25	
<i>Surrogate: n-Nonane</i>		101 %	61-141	02/06/25	02/07/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2506096
Chloride	<b>8370</b>	200	10	02/06/25	02/06/25	



## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
2/11/2025 10:01:02AM

PH05-1'

E502046-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2506090
Benzene	ND	0.0250	1	02/06/25	02/07/25	
Ethylbenzene	ND	0.0250	1	02/06/25	02/07/25	
Toluene	ND	0.0250	1	02/06/25	02/07/25	
o-Xylene	ND	0.0250	1	02/06/25	02/07/25	
p,m-Xylene	ND	0.0500	1	02/06/25	02/07/25	
Total Xylenes	ND	0.0250	1	02/06/25	02/07/25	
Surrogate: Bromofluorobenzene	95.2 %	70-130		02/06/25	02/07/25	
Surrogate: 1,2-Dichloroethane-d4	98.9 %	70-130		02/06/25	02/07/25	
Surrogate: Toluene-d8	99.0 %	70-130		02/06/25	02/07/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2506090
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/06/25	02/07/25	
Surrogate: Bromofluorobenzene	95.2 %	70-130		02/06/25	02/07/25	
Surrogate: 1,2-Dichloroethane-d4	98.9 %	70-130		02/06/25	02/07/25	
Surrogate: Toluene-d8	99.0 %	70-130		02/06/25	02/07/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2506100
Diesel Range Organics (C10-C28)	ND	25.0	1	02/06/25	02/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/06/25	02/07/25	
Surrogate: n-Nonane	101 %	61-141		02/06/25	02/07/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2506096
Chloride	3250	40.0	2	02/06/25	02/06/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TGR Pipeline Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 2/11/2025 10:01:02AM
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PH05-3'

E502046-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2506090
Benzene	ND	0.0250	1	02/06/25	02/07/25	
Ethylbenzene	ND	0.0250	1	02/06/25	02/07/25	
Toluene	ND	0.0250	1	02/06/25	02/07/25	
o-Xylene	ND	0.0250	1	02/06/25	02/07/25	
p,m-Xylene	ND	0.0500	1	02/06/25	02/07/25	
Total Xylenes	ND	0.0250	1	02/06/25	02/07/25	
Surrogate: Bromofluorobenzene	95.4 %	70-130		02/06/25	02/07/25	
Surrogate: 1,2-Dichloroethane-d4	97.7 %	70-130		02/06/25	02/07/25	
Surrogate: Toluene-d8	98.1 %	70-130		02/06/25	02/07/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2506090
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/06/25	02/07/25	
Surrogate: Bromofluorobenzene	95.4 %	70-130		02/06/25	02/07/25	
Surrogate: 1,2-Dichloroethane-d4	97.7 %	70-130		02/06/25	02/07/25	
Surrogate: Toluene-d8	98.1 %	70-130		02/06/25	02/07/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2506100
Diesel Range Organics (C10-C28)	ND	25.0	1	02/06/25	02/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/06/25	02/07/25	
Surrogate: n-Nonane	104 %	61-141		02/06/25	02/07/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2506096
Chloride	4900	100	5	02/06/25	02/06/25	





## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
2/11/2025 10:01:02AM

PH05-5'

E502046-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2506090
Benzene	ND	0.0250	1	02/06/25	02/07/25	
Ethylbenzene	ND	0.0250	1	02/06/25	02/07/25	
Toluene	ND	0.0250	1	02/06/25	02/07/25	
o-Xylene	ND	0.0250	1	02/06/25	02/07/25	
p,m-Xylene	ND	0.0500	1	02/06/25	02/07/25	
Total Xylenes	ND	0.0250	1	02/06/25	02/07/25	
Surrogate: Bromofluorobenzene	95.3 %	70-130		02/06/25	02/07/25	
Surrogate: 1,2-Dichloroethane-d4	96.9 %	70-130		02/06/25	02/07/25	
Surrogate: Toluene-d8	98.3 %	70-130		02/06/25	02/07/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2506090
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/06/25	02/07/25	
Surrogate: Bromofluorobenzene	95.3 %	70-130		02/06/25	02/07/25	
Surrogate: 1,2-Dichloroethane-d4	96.9 %	70-130		02/06/25	02/07/25	
Surrogate: Toluene-d8	98.3 %	70-130		02/06/25	02/07/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2506100
Diesel Range Organics (C10-C28)	ND	25.0	1	02/06/25	02/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/06/25	02/07/25	
Surrogate: n-Nonane	105 %	61-141		02/06/25	02/07/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2506096
Chloride	10500	200	10	02/06/25	02/07/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TGR Pipeline Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 2/11/2025 10:01:02AM
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PH05-7'

E502046-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2506090
Benzene	ND	0.0250	1	02/06/25	02/07/25	
Ethylbenzene	ND	0.0250	1	02/06/25	02/07/25	
Toluene	ND	0.0250	1	02/06/25	02/07/25	
o-Xylene	ND	0.0250	1	02/06/25	02/07/25	
p,m-Xylene	ND	0.0500	1	02/06/25	02/07/25	
Total Xylenes	ND	0.0250	1	02/06/25	02/07/25	
Surrogate: Bromofluorobenzene	96.5 %	70-130		02/06/25	02/07/25	
Surrogate: 1,2-Dichloroethane-d4	96.8 %	70-130		02/06/25	02/07/25	
Surrogate: Toluene-d8	97.1 %	70-130		02/06/25	02/07/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2506090
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/06/25	02/07/25	
Surrogate: Bromofluorobenzene	96.5 %	70-130		02/06/25	02/07/25	
Surrogate: 1,2-Dichloroethane-d4	96.8 %	70-130		02/06/25	02/07/25	
Surrogate: Toluene-d8	97.1 %	70-130		02/06/25	02/07/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2506100
Diesel Range Organics (C10-C28)	ND	25.0	1	02/06/25	02/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/06/25	02/07/25	
Surrogate: n-Nonane	106 %	61-141		02/06/25	02/07/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2506096
Chloride	9350	200	10	02/06/25	02/07/25	



## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
2/11/2025 10:01:02AM

PH05-9'

E502046-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2506090
Benzene	ND	0.0250	1	02/06/25	02/07/25	
Ethylbenzene	ND	0.0250	1	02/06/25	02/07/25	
Toluene	ND	0.0250	1	02/06/25	02/07/25	
o-Xylene	ND	0.0250	1	02/06/25	02/07/25	
p,m-Xylene	ND	0.0500	1	02/06/25	02/07/25	
Total Xylenes	ND	0.0250	1	02/06/25	02/07/25	
Surrogate: Bromofluorobenzene	96.6 %	70-130		02/06/25	02/07/25	
Surrogate: 1,2-Dichloroethane-d4	96.3 %	70-130		02/06/25	02/07/25	
Surrogate: Toluene-d8	99.7 %	70-130		02/06/25	02/07/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2506090
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/06/25	02/07/25	
Surrogate: Bromofluorobenzene	96.6 %	70-130		02/06/25	02/07/25	
Surrogate: 1,2-Dichloroethane-d4	96.3 %	70-130		02/06/25	02/07/25	
Surrogate: Toluene-d8	99.7 %	70-130		02/06/25	02/07/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2506100
Diesel Range Organics (C10-C28)	ND	25.0	1	02/06/25	02/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/06/25	02/07/25	
Surrogate: n-Nonane	105 %	61-141		02/06/25	02/07/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2506096
Chloride	9350	200	10	02/06/25	02/07/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TGR Pipeline Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 2/11/2025 10:01:02AM
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PH05-11'

E502046-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2506090
Benzene	ND	0.0250	1	02/06/25	02/07/25	
Ethylbenzene	ND	0.0250	1	02/06/25	02/07/25	
Toluene	ND	0.0250	1	02/06/25	02/07/25	
o-Xylene	ND	0.0250	1	02/06/25	02/07/25	
p,m-Xylene	ND	0.0500	1	02/06/25	02/07/25	
Total Xylenes	ND	0.0250	1	02/06/25	02/07/25	
Surrogate: Bromofluorobenzene	97.3 %	70-130		02/06/25	02/07/25	
Surrogate: 1,2-Dichloroethane-d4	95.3 %	70-130		02/06/25	02/07/25	
Surrogate: Toluene-d8	100 %	70-130		02/06/25	02/07/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2506090
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/06/25	02/07/25	
Surrogate: Bromofluorobenzene	97.3 %	70-130		02/06/25	02/07/25	
Surrogate: 1,2-Dichloroethane-d4	95.3 %	70-130		02/06/25	02/07/25	
Surrogate: Toluene-d8	100 %	70-130		02/06/25	02/07/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2506100
Diesel Range Organics (C10-C28)	ND	25.0	1	02/06/25	02/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/06/25	02/07/25	
Surrogate: n-Nonane	105 %	61-141		02/06/25	02/07/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2506096
Chloride	6830	100	5	02/06/25	02/07/25	



## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
2/11/2025 10:01:02AM

PH05-13'

E502046-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2506090
Benzene	ND	0.0250	1	02/06/25	02/07/25	
Ethylbenzene	ND	0.0250	1	02/06/25	02/07/25	
Toluene	ND	0.0250	1	02/06/25	02/07/25	
o-Xylene	ND	0.0250	1	02/06/25	02/07/25	
p,m-Xylene	ND	0.0500	1	02/06/25	02/07/25	
Total Xylenes	ND	0.0250	1	02/06/25	02/07/25	
Surrogate: Bromofluorobenzene	95.4 %	70-130		02/06/25	02/07/25	
Surrogate: 1,2-Dichloroethane-d4	95.0 %	70-130		02/06/25	02/07/25	
Surrogate: Toluene-d8	98.6 %	70-130		02/06/25	02/07/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2506090
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/06/25	02/07/25	
Surrogate: Bromofluorobenzene	95.4 %	70-130		02/06/25	02/07/25	
Surrogate: 1,2-Dichloroethane-d4	95.0 %	70-130		02/06/25	02/07/25	
Surrogate: Toluene-d8	98.6 %	70-130		02/06/25	02/07/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2506100
Diesel Range Organics (C10-C28)	ND	25.0	1	02/06/25	02/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/06/25	02/07/25	
Surrogate: n-Nonane	102 %	61-141		02/06/25	02/07/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2506096
Chloride	3550	40.0	2	02/06/25	02/07/25	



## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
2/11/2025 10:01:02AM

PH06-5'

E502046-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2506090
Benzene	ND	0.0250	1	02/06/25	02/07/25	
Ethylbenzene	ND	0.0250	1	02/06/25	02/07/25	
Toluene	ND	0.0250	1	02/06/25	02/07/25	
o-Xylene	ND	0.0250	1	02/06/25	02/07/25	
p,m-Xylene	ND	0.0500	1	02/06/25	02/07/25	
Total Xylenes	ND	0.0250	1	02/06/25	02/07/25	
Surrogate: Bromofluorobenzene	96.3 %	70-130		02/06/25	02/07/25	
Surrogate: 1,2-Dichloroethane-d4	94.0 %	70-130		02/06/25	02/07/25	
Surrogate: Toluene-d8	98.3 %	70-130		02/06/25	02/07/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2506090
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/06/25	02/07/25	
Surrogate: Bromofluorobenzene	96.3 %	70-130		02/06/25	02/07/25	
Surrogate: 1,2-Dichloroethane-d4	94.0 %	70-130		02/06/25	02/07/25	
Surrogate: Toluene-d8	98.3 %	70-130		02/06/25	02/07/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2506100
Diesel Range Organics (C10-C28)	ND	25.0	1	02/06/25	02/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/06/25	02/07/25	
Surrogate: n-Nonane	105 %	61-141		02/06/25	02/07/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2506096
Chloride	8330	100	5	02/06/25	02/07/25	





Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TGR Pipeline Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 2/11/2025 10:01:02AM
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PH06-7'

E502046-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2506090	
Benzene	ND	0.0250	1	02/06/25	02/07/25	
Ethylbenzene	ND	0.0250	1	02/06/25	02/07/25	
Toluene	ND	0.0250	1	02/06/25	02/07/25	
o-Xylene	ND	0.0250	1	02/06/25	02/07/25	
p,m-Xylene	ND	0.0500	1	02/06/25	02/07/25	
Total Xylenes	ND	0.0250	1	02/06/25	02/07/25	
Surrogate: Bromofluorobenzene	96.0 %	70-130		02/06/25	02/07/25	
Surrogate: 1,2-Dichloroethane-d4	94.2 %	70-130		02/06/25	02/07/25	
Surrogate: Toluene-d8	98.1 %	70-130		02/06/25	02/07/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: RKS		Batch: 2506090	
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/06/25	02/07/25	
Surrogate: Bromofluorobenzene	96.0 %	70-130		02/06/25	02/07/25	
Surrogate: 1,2-Dichloroethane-d4	94.2 %	70-130		02/06/25	02/07/25	
Surrogate: Toluene-d8	98.1 %	70-130		02/06/25	02/07/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: NV		Batch: 2506100	
Diesel Range Organics (C10-C28)	ND	25.0	1	02/06/25	02/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/06/25	02/07/25	
Surrogate: n-Nonane	109 %	61-141		02/06/25	02/07/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: DT		Batch: 2506096	
Chloride	245	20.0	1	02/06/25	02/07/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TGR Pipeline Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 2/11/2025 10:01:02AM
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PH08-7'

E502046-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2506090
Benzene	ND	0.0250	1	02/06/25	02/07/25	
Ethylbenzene	ND	0.0250	1	02/06/25	02/07/25	
Toluene	ND	0.0250	1	02/06/25	02/07/25	
o-Xylene	ND	0.0250	1	02/06/25	02/07/25	
p,m-Xylene	ND	0.0500	1	02/06/25	02/07/25	
Total Xylenes	ND	0.0250	1	02/06/25	02/07/25	
Surrogate: Bromofluorobenzene	97.8 %	70-130		02/06/25	02/07/25	
Surrogate: 1,2-Dichloroethane-d4	94.3 %	70-130		02/06/25	02/07/25	
Surrogate: Toluene-d8	99.5 %	70-130		02/06/25	02/07/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2506090
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/06/25	02/07/25	
Surrogate: Bromofluorobenzene	97.8 %	70-130		02/06/25	02/07/25	
Surrogate: 1,2-Dichloroethane-d4	94.3 %	70-130		02/06/25	02/07/25	
Surrogate: Toluene-d8	99.5 %	70-130		02/06/25	02/07/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2506100
Diesel Range Organics (C10-C28)	ND	25.0	1	02/06/25	02/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/06/25	02/07/25	
Surrogate: n-Nonane	104 %	61-141		02/06/25	02/07/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2506096
Chloride	3670	40.0	2	02/06/25	02/07/25	



## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
2/11/2025 10:01:02AM

PH08-9'

E502046-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2506090
Benzene	ND	0.0250	1	02/06/25	02/07/25	
Ethylbenzene	ND	0.0250	1	02/06/25	02/07/25	
Toluene	ND	0.0250	1	02/06/25	02/07/25	
o-Xylene	ND	0.0250	1	02/06/25	02/07/25	
p,m-Xylene	ND	0.0500	1	02/06/25	02/07/25	
Total Xylenes	ND	0.0250	1	02/06/25	02/07/25	
Surrogate: Bromofluorobenzene	96.6 %	70-130		02/06/25	02/07/25	
Surrogate: 1,2-Dichloroethane-d4	96.0 %	70-130		02/06/25	02/07/25	
Surrogate: Toluene-d8	98.7 %	70-130		02/06/25	02/07/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2506090
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/06/25	02/07/25	
Surrogate: Bromofluorobenzene	96.6 %	70-130		02/06/25	02/07/25	
Surrogate: 1,2-Dichloroethane-d4	96.0 %	70-130		02/06/25	02/07/25	
Surrogate: Toluene-d8	98.7 %	70-130		02/06/25	02/07/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2506100
Diesel Range Organics (C10-C28)	ND	25.0	1	02/06/25	02/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/06/25	02/07/25	
Surrogate: n-Nonane	111 %	61-141		02/06/25	02/07/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2506096
Chloride	50.8	20.0	1	02/06/25	02/07/25	



QC Summary Data

Devon Energy - Carlsbad	Project Name:	TGR Pipeline Spill	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/11/2025 10:01:02AM

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

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

Blank (2506090-BLK1) Prepared: 02/06/25 Analyzed: 02/07/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.487		0.500		97.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.493		0.500		98.6	70-130			
Surrogate: Toluene-d8	0.491		0.500		98.2	70-130			

LCS (2506090-BS1) Prepared: 02/06/25 Analyzed: 02/07/25

Benzene	2.42	0.0250	2.50		96.9	70-130			
Ethylbenzene	2.46	0.0250	2.50		98.3	70-130			
Toluene	2.36	0.0250	2.50		94.4	70-130			
o-Xylene	2.31	0.0250	2.50		92.3	70-130			
p,m-Xylene	4.64	0.0500	5.00		92.8	70-130			
Total Xylenes	6.95	0.0250	7.50		92.6	70-130			
Surrogate: Bromofluorobenzene	0.480		0.500		95.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.492		0.500		98.3	70-130			
Surrogate: Toluene-d8	0.483		0.500		96.5	70-130			

Matrix Spike (2506090-MS1) Source: E502046-05 Prepared: 02/06/25 Analyzed: 02/07/25

Benzene	2.44	0.0250	2.50	ND	97.4	48-131			
Ethylbenzene	2.50	0.0250	2.50	ND	100	45-135			
Toluene	2.42	0.0250	2.50	ND	96.7	48-130			
o-Xylene	2.40	0.0250	2.50	ND	96.0	43-135			
p,m-Xylene	4.80	0.0500	5.00	ND	96.0	43-135			
Total Xylenes	7.20	0.0250	7.50	ND	96.0	43-135			
Surrogate: Bromofluorobenzene	0.478		0.500		95.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.509		0.500		102	70-130			
Surrogate: Toluene-d8	0.487		0.500		97.4	70-130			

Matrix Spike Dup (2506090-MSD1) Source: E502046-05 Prepared: 02/06/25 Analyzed: 02/07/25

Benzene	2.27	0.0250	2.50	ND	91.0	48-131	6.86	23	
Ethylbenzene	2.33	0.0250	2.50	ND	93.3	45-135	7.05	27	
Toluene	2.26	0.0250	2.50	ND	90.3	48-130	6.82	24	
o-Xylene	2.23	0.0250	2.50	ND	89.1	43-135	7.43	27	
p,m-Xylene	4.44	0.0500	5.00	ND	88.9	43-135	7.68	27	
Total Xylenes	6.67	0.0250	7.50	ND	89.0	43-135	7.60	27	
Surrogate: Bromofluorobenzene	0.479		0.500		95.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.500		0.500		100	70-130			
Surrogate: Toluene-d8	0.481		0.500		96.2	70-130			



## QC Summary Data

Devon Energy - Carlsbad	Project Name:	TGR Pipeline Spill	<b>Reported:</b>
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/11/2025 10:01:02AM

## Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

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

## Blank (2506090-BLK1)

Prepared: 02/06/25 Analyzed: 02/07/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.487		0.500		97.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.493		0.500		98.6	70-130			
Surrogate: Toluene-d8	0.491		0.500		98.2	70-130			

## LCS (2506090-BS2)

Prepared: 02/06/25 Analyzed: 02/07/25

Gasoline Range Organics (C6-C10)	50.5	20.0	50.0		101	70-130			
Surrogate: Bromofluorobenzene	0.476		0.500		95.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.503		0.500		101	70-130			
Surrogate: Toluene-d8	0.490		0.500		97.9	70-130			

## Matrix Spike (2506090-MS2)

Source: E502046-05

Prepared: 02/06/25 Analyzed: 02/07/25

Gasoline Range Organics (C6-C10)	51.8	20.0	50.0	ND	104	70-130			
Surrogate: Bromofluorobenzene	0.483		0.500		96.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.501		0.500		100	70-130			
Surrogate: Toluene-d8	0.492		0.500		98.3	70-130			

## Matrix Spike Dup (2506090-MSD2)

Source: E502046-05

Prepared: 02/06/25 Analyzed: 02/07/25

Gasoline Range Organics (C6-C10)	49.3	20.0	50.0	ND	98.6	70-130	4.92	20	
Surrogate: Bromofluorobenzene	0.482		0.500		96.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.509		0.500		102	70-130			
Surrogate: Toluene-d8	0.492		0.500		98.3	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	TGR Pipeline Spill	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/11/2025 10:01:02AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

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

Blank (2506100-BLK1)					Prepared: 02/06/25 Analyzed: 02/07/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	50.3		50.0		101	61-141			

LCS (2506100-BS1)					Prepared: 02/06/25 Analyzed: 02/07/25				
Diesel Range Organics (C10-C28)	258	25.0	250		103	66-144			
Surrogate: n-Nonane	52.6		50.0		105	61-141			

Matrix Spike (2506100-MS1)					Source: E502046-08		Prepared: 02/06/25 Analyzed: 02/07/25		
Diesel Range Organics (C10-C28)	262	25.0	250	ND	105	56-156			
Surrogate: n-Nonane	53.7		50.0		107	61-141			

Matrix Spike Dup (2506100-MSD1)					Source: E502046-08		Prepared: 02/06/25 Analyzed: 02/07/25		
Diesel Range Organics (C10-C28)	267	25.0	250	ND	107	56-156	2.00	20	
Surrogate: n-Nonane	53.3		50.0		107	61-141			





QC Summary Data

Devon Energy - Carlsbad	Project Name:	TGR Pipeline Spill	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/11/2025 10:01:02AM

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 (2506096-BLK1)					Prepared: 02/06/25 Analyzed: 02/06/25				
Chloride	ND	20.0							
LCS (2506096-BS1)					Prepared: 02/06/25 Analyzed: 02/06/25				
Chloride	257	20.0	250		103	90-110			
Matrix Spike (2506096-MS1)					Source: E502045-05		Prepared: 02/06/25 Analyzed: 02/06/25		
Chloride	692	20.0	250	435	103	80-120			
Matrix Spike Dup (2506096-MSD1)					Source: E502045-05		Prepared: 02/06/25 Analyzed: 02/06/25		
Chloride	691	20.0	250	435	103	80-120	0.0767	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:	TGR Pipeline Spill	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	02/11/25 10:01

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

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

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



## Chain of Custody

Page 1 of 2

Client Information				Invoice Information		Lab Use Only		TAT				State					
Client: Devon				Company: Devon		Lab WO#		1D 2D 3D Std				NM CO UT TX					
Project: TGR Pipeline Spill				Address: 5315 Buena Vista Dr		E502046		Job Number				01058-0007					
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220								X					
Address: 3122 National Parks Hwy				Phone: (575)689-7597													
City, State, Zip: Carlsbad NM, 88220				Email: jim.raley@dnv.com													
Phone: 575-988-0055				Miscellaneous: Jim Raley													
Email: agiovengo@ensolum.com																	
Sample Information						Analysis and Method								EPA Program			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA
10:35	2/4/2025	S	1	PH05 - 0'		1						X					
10:39	2/4/2025	S	1	PH05 - 1'		2						X					
10:44	2/4/2025	S	1	PH05 - 3'		3						X					
10:58	2/4/2025	S	1	PH05 - 5'		4						X					
11:11	2/4/2025	S	1	PH05 - 7'		5						X					
11:24	2/4/2025	S	1	PH05 - 9'		6						X					
11:38	2/4/2025	S	1	PH05 - 11'		7						X					
11:57	2/4/2025	S	1	PH05 - 13'		8						X					
12:25	2/4/2025	S	1	PH06 - 5'		9						X					
12:39	2/4/2025	S	1	PH06 - 7'		10						X					
<b>Additional Instructions:</b> Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@dnv.com, iestrella@ensolum.com, bdeal@ensolum, chamilton@ensolum.com, bsimmons@ensolum.com I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Bowan Simmons																	
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C 4									
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time										
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA							
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																	

Cost Center: 1093068701



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## Chain of Custody

Page 2 of 2

Client Information				Invoice Information		Lab Use Only		TAT				State					
Client: Devon				Company: Devon		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX		
Project: TGR Pipeline Spill				Address: 5315 Buena Vista Dr		E502046	61058-0007				X	X					
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220													
Address: 3122 National Parks Hwy				Phone: (575)689-7597													
City, State, Zip: Carlsbad NM, 88220				Email: jim.raley@divn.com													
Phone: 575-988-0055				Miscellaneous: Jim Raley													
Email: agiovengo@ensolum.com																	
Sample Information										Analysis and Method				EPA Program			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA
10:09	2/4/2025	S	1	PH08 - 7'		11						X					
10:25	2/4/2025	S	1	PH08 - 9'		12						X					
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@divn.com, iestrella@ensolum.com, bdeal@ensolum, chamilton@ensolum.com, bsimmons@ensolum.com																	
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																	
Sampled by: Bowan Simmons																	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 5 °C on subsequent days.						Lab Use Only					
Michelle Gonzales	2-5-25	1045	Michelle Gonzales	2-5-25	1045							Received on ice: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N					
Michelle Gonzales	2-5-25	1600	Michelle Gonzales	2-5-25	1600							T1	T2	T3			
Michelle Gonzales	2-5-25	2136	Michelle Gonzales	2-6-25	600							AVG Temp °C	4				
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA											
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																	
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																	

CC: 1093068701



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## Envirotech Analytical Laboratory

Printed: 2/6/2025 9:53:55AM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Devon Energy - Carlsbad	Date Received:	02/06/25 06:00	Work Order ID:	E502046
Phone:	(505) 382-1211	Date Logged In:	02/05/25 15:23	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	02/12/25 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:

Ashley Giovengo



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Devon Energy - Carlsbad

Project Name: TGR Pipeline Spill

Work Order: E504267

Job Number: 01058-0007

Received: 4/28/2025

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
5/2/25

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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



Date Reported: 5/2/25



Ashley Giovengo  
6488 7 Rivers Hwy  
Artesia, NM 88210

Project Name: TGR Pipeline Spill  
Workorder: E504267  
Date Received: 4/28/2025 6:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/28/2025 6:30:00AM, under the Project Name: TGR Pipeline Spill.

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

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

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

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

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

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

Field Offices:

**Southern New Mexico Area**

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

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

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

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## Sample Summary

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TGR Pipeline Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 05/02/25 08:33
---	--	-----------------------------

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW01- 0-4'	E504267-01A	Soil	04/24/25	04/28/25	Glass Jar, 2 oz.
SW02- 0-4'	E504267-02A	Soil	04/24/25	04/28/25	Glass Jar, 2 oz.
SW03 -0-4'	E504267-03A	Soil	04/24/25	04/28/25	Glass Jar, 2 oz.
SW24- 0-4'	E504267-04A	Soil	04/24/25	04/28/25	Glass Jar, 2 oz.
FS37-4'	E504267-05A	Soil	04/24/25	04/28/25	Glass Jar, 2 oz.
FS38-4'	E504267-06A	Soil	04/24/25	04/28/25	Glass Jar, 2 oz.
FS39-4'	E504267-07A	Soil	04/24/25	04/28/25	Glass Jar, 2 oz.
FS40-4'	E504267-08A	Soil	04/24/25	04/28/25	Glass Jar, 2 oz.
FS41-4'	E504267-09A	Soil	04/24/25	04/28/25	Glass Jar, 2 oz.
FS42-4'	E504267-10A	Soil	04/24/25	04/28/25	Glass Jar, 2 oz.



## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
5/2/2025 8:33:53AM

**SW01- 0-4'**

**E504267-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2518005	
Benzene	ND	0.0250	1	04/28/25	04/29/25	
Ethylbenzene	ND	0.0250	1	04/28/25	04/29/25	
Toluene	ND	0.0250	1	04/28/25	04/29/25	
o-Xylene	ND	0.0250	1	04/28/25	04/29/25	
p,m-Xylene	ND	0.0500	1	04/28/25	04/29/25	
Total Xylenes	ND	0.0250	1	04/28/25	04/29/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.7 %	70-130		04/28/25	04/29/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2518005	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/28/25	04/29/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.0 %	70-130		04/28/25	04/29/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KH		Batch: 2518007	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/28/25	04/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/28/25	04/29/25	
<i>Surrogate: n-Nonane</i>						
	90.8 %	61-141		04/28/25	04/29/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2518013	
Chloride	41.6	20.0	1	04/28/25	04/28/25	



## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
5/2/2025 8:33:53AM

SW02- 0-4'

E504267-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2518005
Benzene	ND	0.0250	1	04/28/25	04/29/25	
Ethylbenzene	ND	0.0250	1	04/28/25	04/29/25	
Toluene	ND	0.0250	1	04/28/25	04/29/25	
o-Xylene	ND	0.0250	1	04/28/25	04/29/25	
p,m-Xylene	ND	0.0500	1	04/28/25	04/29/25	
Total Xylenes	ND	0.0250	1	04/28/25	04/29/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.0 %	70-130		04/28/25	04/29/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2518005
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/28/25	04/29/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.2 %	70-130		04/28/25	04/29/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KH		Batch: 2518007
Diesel Range Organics (C10-C28)	ND	25.0	1	04/28/25	04/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/28/25	04/30/25	
<i>Surrogate: n-Nonane</i>						
	88.5 %	61-141		04/28/25	04/30/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2518013
Chloride	ND	20.0	1	04/28/25	04/28/25	



## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
5/2/2025 8:33:53AM

SW03 -0-4'

E504267-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2518005
Benzene	ND	0.0250	1	04/28/25	04/29/25	
Ethylbenzene	ND	0.0250	1	04/28/25	04/29/25	
Toluene	ND	0.0250	1	04/28/25	04/29/25	
o-Xylene	ND	0.0250	1	04/28/25	04/29/25	
p,m-Xylene	ND	0.0500	1	04/28/25	04/29/25	
Total Xylenes	ND	0.0250	1	04/28/25	04/29/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	88.3 %	70-130		04/28/25	04/29/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2518005
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/28/25	04/29/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.2 %	70-130		04/28/25	04/29/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KH		Batch: 2518007
Diesel Range Organics (C10-C28)	ND	25.0	1	04/28/25	04/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/28/25	04/30/25	
<i>Surrogate: n-Nonane</i>						
	86.5 %	61-141		04/28/25	04/30/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2518013
Chloride	115	20.0	1	04/28/25	04/28/25	





## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
5/2/2025 8:33:53AM

SW24- 0-4'

E504267-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2518005	
Benzene	ND	0.0250	1	04/28/25	04/29/25	
Ethylbenzene	ND	0.0250	1	04/28/25	04/29/25	
Toluene	ND	0.0250	1	04/28/25	04/29/25	
o-Xylene	ND	0.0250	1	04/28/25	04/29/25	
p,m-Xylene	ND	0.0500	1	04/28/25	04/29/25	
Total Xylenes	ND	0.0250	1	04/28/25	04/29/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	88.3 %	70-130		04/28/25	04/29/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2518005	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/28/25	04/29/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.8 %	70-130		04/28/25	04/29/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KH		Batch: 2518007	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/28/25	04/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/28/25	04/30/25	
<i>Surrogate: n-Nonane</i>						
	89.5 %	61-141		04/28/25	04/30/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2518013	
Chloride	31.2	20.0	1	04/28/25	04/28/25	



## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
5/2/2025 8:33:53AM

FS37-4'

E504267-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2518005
Benzene	ND	0.0250	1	04/28/25	04/29/25	
Ethylbenzene	ND	0.0250	1	04/28/25	04/29/25	
Toluene	ND	0.0250	1	04/28/25	04/29/25	
o-Xylene	ND	0.0250	1	04/28/25	04/29/25	
p,m-Xylene	ND	0.0500	1	04/28/25	04/29/25	
Total Xylenes	ND	0.0250	1	04/28/25	04/29/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	88.7 %	70-130		04/28/25	04/29/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2518005
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/28/25	04/29/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.5 %	70-130		04/28/25	04/29/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KH		Batch: 2518007
Diesel Range Organics (C10-C28)	ND	25.0	1	04/28/25	04/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/28/25	04/30/25	
<i>Surrogate: n-Nonane</i>						
	95.2 %	61-141		04/28/25	04/30/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2518013
Chloride	346	20.0	1	04/28/25	04/28/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TGR Pipeline Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 5/2/2025 8:33:53AM
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FS38-4'

E504267-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2518005	
Benzene	ND	0.0250	1	04/28/25	04/29/25	
Ethylbenzene	ND	0.0250	1	04/28/25	04/29/25	
Toluene	ND	0.0250	1	04/28/25	04/29/25	
o-Xylene	ND	0.0250	1	04/28/25	04/29/25	
p,m-Xylene	ND	0.0500	1	04/28/25	04/29/25	
Total Xylenes	ND	0.0250	1	04/28/25	04/29/25	
Surrogate: 4-Bromochlorobenzene-PID	90.8 %	70-130		04/28/25	04/29/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2518005	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/28/25	04/29/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	91.3 %	70-130		04/28/25	04/29/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KH		Batch: 2518007	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/28/25	04/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/28/25	04/30/25	
Surrogate: n-Nonane	86.0 %	61-141		04/28/25	04/30/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2518013	
Chloride	794	20.0	1	04/28/25	04/28/25	



## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
5/2/2025 8:33:53AM

FS39-4'

E504267-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2518005	
Benzene	ND	0.0250	1	04/28/25	04/29/25	
Ethylbenzene	ND	0.0250	1	04/28/25	04/29/25	
Toluene	ND	0.0250	1	04/28/25	04/29/25	
o-Xylene	ND	0.0250	1	04/28/25	04/29/25	
p,m-Xylene	ND	0.0500	1	04/28/25	04/29/25	
Total Xylenes	ND	0.0250	1	04/28/25	04/29/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.0 %	70-130		04/28/25	04/29/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2518005	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/28/25	04/29/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.5 %	70-130		04/28/25	04/29/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KH		Batch: 2518007	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/28/25	04/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/28/25	04/30/25	
<i>Surrogate: n-Nonane</i>						
	89.6 %	61-141		04/28/25	04/30/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2518013	
Chloride	1030	20.0	1	04/28/25	04/28/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TGR Pipeline Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 5/2/2025 8:33:53AM
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FS40-4'  
E504267-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2518005	
Benzene	ND	0.0250	1	04/28/25	04/29/25	
Ethylbenzene	ND	0.0250	1	04/28/25	04/29/25	
Toluene	ND	0.0250	1	04/28/25	04/29/25	
o-Xylene	ND	0.0250	1	04/28/25	04/29/25	
p,m-Xylene	ND	0.0500	1	04/28/25	04/29/25	
Total Xylenes	ND	0.0250	1	04/28/25	04/29/25	
Surrogate: 4-Bromochlorobenzene-PID	87.2 %	70-130		04/28/25	04/29/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2518005	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/28/25	04/29/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	92.6 %	70-130		04/28/25	04/29/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KH		Batch: 2518007	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/28/25	04/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/28/25	04/30/25	
Surrogate: n-Nonane	84.4 %	61-141		04/28/25	04/30/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2518013	
Chloride	2820	40.0	2	04/28/25	04/28/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TGR Pipeline Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 5/2/2025 8:33:53AM
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FS41-4'  
E504267-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2518005	
Benzene	ND	0.0250	1	04/28/25	04/29/25	
Ethylbenzene	ND	0.0250	1	04/28/25	04/29/25	
Toluene	ND	0.0250	1	04/28/25	04/29/25	
o-Xylene	ND	0.0250	1	04/28/25	04/29/25	
p,m-Xylene	ND	0.0500	1	04/28/25	04/29/25	
Total Xylenes	ND	0.0250	1	04/28/25	04/29/25	
Surrogate: 4-Bromochlorobenzene-PID	86.4 %	70-130		04/28/25	04/29/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2518005	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/28/25	04/29/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	92.8 %	70-130		04/28/25	04/29/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KH		Batch: 2518007	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/28/25	04/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/28/25	04/30/25	
Surrogate: n-Nonane	87.2 %	61-141		04/28/25	04/30/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2518013	
Chloride	3110	40.0	2	04/28/25	04/28/25	





## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
5/2/2025 8:33:53AM

FS42-4'

E504267-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2518005	
Benzene	ND	0.0250	1	04/28/25	04/29/25	
Ethylbenzene	ND	0.0250	1	04/28/25	04/29/25	
Toluene	ND	0.0250	1	04/28/25	04/29/25	
o-Xylene	ND	0.0250	1	04/28/25	04/29/25	
p,m-Xylene	ND	0.0500	1	04/28/25	04/29/25	
Total Xylenes	ND	0.0250	1	04/28/25	04/29/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	85.9 %	70-130		04/28/25	04/29/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2518005	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/28/25	04/29/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.0 %	70-130		04/28/25	04/29/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KH		Batch: 2518007	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/28/25	04/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/28/25	04/30/25	
<i>Surrogate: n-Nonane</i>						
	86.5 %	61-141		04/28/25	04/30/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2518013	
Chloride	1110	20.0	1	04/28/25	04/28/25	



QC Summary Data

Devon Energy - Carlsbad	Project Name:	TGR Pipeline Spill	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	5/2/2025 8:33:53AM

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2518005-BLK1) Prepared: 04/28/25 Analyzed: 04/29/25

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	7.35		8.00		91.9	70-130			

LCS (2518005-BS1) Prepared: 04/28/25 Analyzed: 04/29/25

Benzene	5.17	0.0250	5.00		103	70-130			
Ethylbenzene	5.11	0.0250	5.00		102	70-130			
Toluene	5.16	0.0250	5.00		103	70-130			
o-Xylene	5.06	0.0250	5.00		101	70-130			
p,m-Xylene	10.3	0.0500	10.0		103	70-130			
Total Xylenes	15.4	0.0250	15.0		103	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.25		8.00		90.6	70-130			

Matrix Spike (2518005-MS1) Source: E504267-06 Prepared: 04/28/25 Analyzed: 04/29/25

Benzene	4.90	0.0250	5.00	ND	98.0	70-130			
Ethylbenzene	4.82	0.0250	5.00	ND	96.3	70-130			
Toluene	4.88	0.0250	5.00	ND	97.6	70-130			
o-Xylene	4.81	0.0250	5.00	ND	96.1	70-130			
p,m-Xylene	9.79	0.0500	10.0	ND	97.9	70-130			
Total Xylenes	14.6	0.0250	15.0	ND	97.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.27		8.00		90.8	70-130			

Matrix Spike Dup (2518005-MSD1) Source: E504267-06 Prepared: 04/28/25 Analyzed: 04/29/25

Benzene	5.30	0.0250	5.00	ND	106	70-130	7.84	27	
Ethylbenzene	5.22	0.0250	5.00	ND	104	70-130	8.00	26	
Toluene	5.26	0.0250	5.00	ND	105	70-130	7.58	20	
o-Xylene	5.18	0.0250	5.00	ND	104	70-130	7.46	25	
p,m-Xylene	10.5	0.0500	10.0	ND	105	70-130	7.49	23	
Total Xylenes	15.7	0.0250	15.0	ND	105	70-130	7.48	26	
Surrogate: 4-Bromochlorobenzene-PID	7.40		8.00		92.5	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	TGR Pipeline Spill	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	5/2/2025 8:33:53AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2518005-BLK1) Prepared: 04/28/25 Analyzed: 04/29/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.28		8.00		91.1	70-130			

LCS (2518005-BS2) Prepared: 04/28/25 Analyzed: 04/29/25

Gasoline Range Organics (C6-C10)	36.8	20.0	50.0		73.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.44		8.00		93.0	70-130			

Matrix Spike (2518005-MS2) Source: E504267-06 Prepared: 04/28/25 Analyzed: 04/29/25

Gasoline Range Organics (C6-C10)	40.6	20.0	50.0	ND	81.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.44		8.00		92.9	70-130			

Matrix Spike Dup (2518005-MSD2) Source: E504267-06 Prepared: 04/28/25 Analyzed: 04/29/25

Gasoline Range Organics (C6-C10)	41.9	20.0	50.0	ND	83.7	70-130	3.02	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.42		8.00		92.7	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	TGR Pipeline Spill	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	5/2/2025 8:33:53AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2518007-BLK1)					Prepared: 04/28/25 Analyzed: 04/30/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	40.5		50.0		81.0	61-141			

LCS (2518007-BS1)					Prepared: 04/28/25 Analyzed: 04/30/25				
Diesel Range Organics (C10-C28)	215	25.0	250		85.8	66-144			
Surrogate: n-Nonane	41.8		50.0		83.7	61-141			

Matrix Spike (2518007-MS1)					Source: E504266-02		Prepared: 04/28/25 Analyzed: 04/30/25		
Diesel Range Organics (C10-C28)	227	25.0	250	ND	90.8	56-156			
Surrogate: n-Nonane	41.6		50.0		83.2	61-141			

Matrix Spike Dup (2518007-MSD1)					Source: E504266-02		Prepared: 04/28/25 Analyzed: 04/30/25		
Diesel Range Organics (C10-C28)	241	25.0	250	ND	96.5	56-156	6.07	20	
Surrogate: n-Nonane	42.4		50.0		84.9	61-141			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	TGR Pipeline Spill	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	5/2/2025 8:33:53AM

Anions by EPA 300.0/9056A

Analyst: RAS

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

Blank (2518013-BLK1)					Prepared: 04/28/25 Analyzed: 04/28/25				
Chloride	ND	20.0							
LCS (2518013-BS1)					Prepared: 04/28/25 Analyzed: 04/28/25				
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2518013-MS1)					Source: E504263-02		Prepared: 04/28/25 Analyzed: 04/28/25		
Chloride	267	20.0	250	ND	107	80-120			
Matrix Spike Dup (2518013-MSD1)					Source: E504263-02		Prepared: 04/28/25 Analyzed: 04/28/25		
Chloride	266	20.0	250	ND	106	80-120	0.313	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:	TGR Pipeline Spill	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	05/02/25 08:33

- 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

Printed: 4/28/2025 9:19:52AM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Devon Energy - Carlsbad	Date Received:	04/28/25 06:30	Work Order ID:	E504267
Phone:	(505) 382-1211	Date Logged In:	04/25/25 15:20	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	05/02/25 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
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:

Ashley Giovengo



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Devon Energy - Carlsbad

Project Name: TGR Pipeline Spill

Work Order: E504281

Job Number: 01058-0007

Received: 4/29/2025

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
5/5/25

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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



Date Reported: 5/5/25



Ashley Giovengo  
6488 7 Rivers Hwy  
Artesia, NM 88210

Project Name: TGR Pipeline Spill  
Workorder: E504281  
Date Received: 4/29/2025 8:15:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/29/2025 8:15:00AM, under the Project Name: TGR Pipeline Spill.

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

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

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

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

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

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

Field Offices:

**Southern New Mexico Area**

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

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

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

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## Sample Summary

Devon Energy - Carlsbad	Project Name:	TGR Pipeline Spill	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	05/05/25 08:03

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS23-4'	E504281-01A	Soil	04/25/25	04/29/25	Glass Jar, 2 oz.
FS24-4'	E504281-02A	Soil	04/25/25	04/29/25	Glass Jar, 2 oz.
FS43-4'	E504281-03A	Soil	04/25/25	04/29/25	Glass Jar, 2 oz.
FS44-4'	E504281-04A	Soil	04/25/25	04/29/25	Glass Jar, 2 oz.
FS45-4'	E504281-05A	Soil	04/25/25	04/29/25	Glass Jar, 2 oz.
FS46-4'	E504281-06A	Soil	04/25/25	04/29/25	Glass Jar, 2 oz.
FS47-4'	E504281-07A	Soil	04/25/25	04/29/25	Glass Jar, 2 oz.
FS48-4'	E504281-08A	Soil	04/25/25	04/29/25	Glass Jar, 2 oz.
FS49-4'	E504281-09A	Soil	04/25/25	04/29/25	Glass Jar, 2 oz.
FS50-4'	E504281-10A	Soil	04/25/25	04/29/25	Glass Jar, 2 oz.
FS52-4'	E504281-11A	Soil	04/25/25	04/29/25	Glass Jar, 2 oz.
FS53-4'	E504281-12A	Soil	04/25/25	04/29/25	Glass Jar, 2 oz.
FS73-4'	E504281-13A	Soil	04/25/25	04/29/25	Glass Jar, 2 oz.
FS74-4'	E504281-14A	Soil	04/25/25	04/29/25	Glass Jar, 2 oz.
FS75-4'	E504281-15A	Soil	04/25/25	04/29/25	Glass Jar, 2 oz.
FS76-4'	E504281-16A	Soil	04/25/25	04/29/25	Glass Jar, 2 oz.
SW04-0-4'	E504281-17A	Soil	04/25/25	04/29/25	Glass Jar, 2 oz.
SW05-0-4'	E504281-18A	Soil	04/25/25	04/29/25	Glass Jar, 2 oz.
SW06-0-4'	E504281-19A	Soil	04/25/25	04/29/25	Glass Jar, 2 oz.
SW22-0-4'	E504281-20A	Soil	04/25/25	04/29/25	Glass Jar, 2 oz.



## Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TGR Pipeline Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 5/5/2025 8:03:34AM
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**FS23-4'**

**E504281-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2518032	
Benzene	ND	0.0250	1	04/29/25	04/29/25	
Ethylbenzene	ND	0.0250	1	04/29/25	04/29/25	
Toluene	ND	0.0250	1	04/29/25	04/29/25	
o-Xylene	ND	0.0250	1	04/29/25	04/29/25	
p,m-Xylene	ND	0.0500	1	04/29/25	04/29/25	
Total Xylenes	ND	0.0250	1	04/29/25	04/29/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	89.9 %	70-130		04/29/25	04/29/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2518032	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/29/25	04/29/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	92.9 %	70-130		04/29/25	04/29/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2518040	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/29/25	04/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/29/25	04/29/25	
<i>Surrogate: n-Nonane</i>	99.3 %	61-141		04/29/25	04/29/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: JM		Batch: 2518031	
Chloride	9480	200	10	04/29/25	04/29/25	



## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
5/5/2025 8:03:34AM

FS24-4'

E504281-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2518032	
Benzene	ND	0.0250	1	04/29/25	04/29/25	
Ethylbenzene	ND	0.0250	1	04/29/25	04/29/25	
Toluene	ND	0.0250	1	04/29/25	04/29/25	
o-Xylene	ND	0.0250	1	04/29/25	04/29/25	
p,m-Xylene	ND	0.0500	1	04/29/25	04/29/25	
Total Xylenes	ND	0.0250	1	04/29/25	04/29/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	87.2 %	70-130		04/29/25	04/29/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2518032	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/29/25	04/29/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.0 %	70-130		04/29/25	04/29/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: NV		Batch: 2518040	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/29/25	04/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/29/25	04/29/25	
<i>Surrogate: n-Nonane</i>						
	100 %	61-141		04/29/25	04/29/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: JM		Batch: 2518031	
Chloride	12500	200	10	04/29/25	04/29/25	



## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
5/5/2025 8:03:34AM

FS43-4'

E504281-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2518032	
Benzene	ND	0.0250	1	04/29/25	04/29/25	
Ethylbenzene	ND	0.0250	1	04/29/25	04/29/25	
Toluene	ND	0.0250	1	04/29/25	04/29/25	
o-Xylene	ND	0.0250	1	04/29/25	04/29/25	
p,m-Xylene	ND	0.0500	1	04/29/25	04/29/25	
Total Xylenes	ND	0.0250	1	04/29/25	04/29/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	88.3 %	70-130		04/29/25	04/29/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2518032	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/29/25	04/29/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	92.6 %	70-130		04/29/25	04/29/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2518040	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/29/25	04/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/29/25	04/29/25	
<i>Surrogate: n-Nonane</i>	98.4 %	61-141		04/29/25	04/29/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: JM		Batch: 2518031	
Chloride	4190	100	5	04/29/25	04/29/25	



## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
5/5/2025 8:03:34AM

FS44-4'

E504281-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2518032	
Benzene	ND	0.0250	1	04/29/25	04/29/25	
Ethylbenzene	ND	0.0250	1	04/29/25	04/29/25	
Toluene	ND	0.0250	1	04/29/25	04/29/25	
o-Xylene	ND	0.0250	1	04/29/25	04/29/25	
p,m-Xylene	ND	0.0500	1	04/29/25	04/29/25	
Total Xylenes	ND	0.0250	1	04/29/25	04/29/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	89.4 %	70-130		04/29/25	04/29/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2518032	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/29/25	04/29/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	93.0 %	70-130		04/29/25	04/29/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2518040	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/29/25	04/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/29/25	04/29/25	
<i>Surrogate: n-Nonane</i>	102 %	61-141		04/29/25	04/29/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: JM		Batch: 2518031	
Chloride	8400	100	5	04/29/25	04/29/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TGR Pipeline Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 5/5/2025 8:03:34AM
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FS45-4'

E504281-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2518032	
Benzene	ND	0.0250	1	04/29/25	04/29/25	
Ethylbenzene	ND	0.0250	1	04/29/25	04/29/25	
Toluene	ND	0.0250	1	04/29/25	04/29/25	
o-Xylene	ND	0.0250	1	04/29/25	04/29/25	
p,m-Xylene	ND	0.0500	1	04/29/25	04/29/25	
Total Xylenes	ND	0.0250	1	04/29/25	04/29/25	
Surrogate: 4-Bromochlorobenzene-PID	89.0 %	70-130		04/29/25	04/29/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2518032	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/29/25	04/29/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	93.6 %	70-130		04/29/25	04/29/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2518040	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/29/25	04/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/29/25	04/29/25	
Surrogate: n-Nonane	101 %	61-141		04/29/25	04/29/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: JM		Batch: 2518031	
Chloride	8560	100	5	04/29/25	04/29/25	





## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
5/5/2025 8:03:34AM

FS46-4'

E504281-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2518032	
Benzene	ND	0.0250	1	04/29/25	04/29/25	
Ethylbenzene	ND	0.0250	1	04/29/25	04/29/25	
Toluene	ND	0.0250	1	04/29/25	04/29/25	
o-Xylene	ND	0.0250	1	04/29/25	04/29/25	
p,m-Xylene	ND	0.0500	1	04/29/25	04/29/25	
Total Xylenes	ND	0.0250	1	04/29/25	04/29/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	85.4 %	70-130		04/29/25	04/29/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2518032	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/29/25	04/29/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.5 %	70-130		04/29/25	04/29/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: NV		Batch: 2518040	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/29/25	04/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/29/25	04/29/25	
<i>Surrogate: n-Nonane</i>						
	99.9 %	61-141		04/29/25	04/29/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: JM		Batch: 2518031	
Chloride	2620	40.0	2	04/29/25	04/29/25	



## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
5/5/2025 8:03:34AM

FS47-4'

E504281-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2518032	
Benzene	ND	0.0250	1	04/29/25	04/29/25	
Ethylbenzene	ND	0.0250	1	04/29/25	04/29/25	
Toluene	ND	0.0250	1	04/29/25	04/29/25	
o-Xylene	ND	0.0250	1	04/29/25	04/29/25	
p,m-Xylene	ND	0.0500	1	04/29/25	04/29/25	
Total Xylenes	ND	0.0250	1	04/29/25	04/29/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	90.4 %	70-130		04/29/25	04/29/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2518032	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/29/25	04/29/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	93.4 %	70-130		04/29/25	04/29/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2518040	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/29/25	04/29/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/29/25	04/29/25	
<i>Surrogate: n-Nonane</i>	99.7 %	61-141		04/29/25	04/29/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: JM		Batch: 2518031	
Chloride	2740	40.0	2	04/29/25	04/29/25	



## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
5/5/2025 8:03:34AM

FS48-4'

E504281-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2518032
Benzene	ND	0.0250	1	04/29/25	04/29/25	
Ethylbenzene	ND	0.0250	1	04/29/25	04/29/25	
Toluene	ND	0.0250	1	04/29/25	04/29/25	
o-Xylene	ND	0.0250	1	04/29/25	04/29/25	
p,m-Xylene	ND	0.0500	1	04/29/25	04/29/25	
Total Xylenes	ND	0.0250	1	04/29/25	04/29/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	87.3 %	70-130		04/29/25	04/29/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2518032
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/29/25	04/29/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.6 %	70-130		04/29/25	04/29/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2518040
Diesel Range Organics (C10-C28)	ND	25.0	1	04/29/25	04/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/29/25	04/30/25	
<i>Surrogate: n-Nonane</i>						
	103 %	61-141		04/29/25	04/30/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: JM		Batch: 2518031
Chloride	2350	40.0	2	04/29/25	04/29/25	



## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
5/5/2025 8:03:34AM

FS49-4'

E504281-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2518032	
Benzene	ND	0.0250	1	04/29/25	04/29/25	
Ethylbenzene	ND	0.0250	1	04/29/25	04/29/25	
Toluene	ND	0.0250	1	04/29/25	04/29/25	
o-Xylene	ND	0.0250	1	04/29/25	04/29/25	
p,m-Xylene	ND	0.0500	1	04/29/25	04/29/25	
Total Xylenes	ND	0.0250	1	04/29/25	04/29/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	89.4 %	70-130		04/29/25	04/29/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2518032	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/29/25	04/29/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	92.1 %	70-130		04/29/25	04/29/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2518040	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/29/25	04/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/29/25	04/30/25	
<i>Surrogate: n-Nonane</i>	102 %	61-141		04/29/25	04/30/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: JM		Batch: 2518031	
Chloride	3930	40.0	2	04/29/25	04/29/25	



## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
5/5/2025 8:03:34AM

FS50-4'

E504281-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2518032	
Benzene	ND	0.0250	1	04/29/25	04/29/25	
Ethylbenzene	ND	0.0250	1	04/29/25	04/29/25	
Toluene	ND	0.0250	1	04/29/25	04/29/25	
o-Xylene	ND	0.0250	1	04/29/25	04/29/25	
p,m-Xylene	ND	0.0500	1	04/29/25	04/29/25	
Total Xylenes	ND	0.0250	1	04/29/25	04/29/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		89.8 %	70-130	04/29/25	04/29/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2518032	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/29/25	04/29/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.7 %	70-130	04/29/25	04/29/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2518040	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/29/25	04/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/29/25	04/30/25	
<i>Surrogate: n-Nonane</i>		100 %	61-141	04/29/25	04/30/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: JM		Batch: 2518031	
Chloride	4190	40.0	2	04/29/25	04/29/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TGR Pipeline Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 5/5/2025 8:03:34AM
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FS52-4'

E504281-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2518032	
Benzene	ND	0.0250	1	04/29/25	04/29/25	
Ethylbenzene	ND	0.0250	1	04/29/25	04/29/25	
Toluene	ND	0.0250	1	04/29/25	04/29/25	
o-Xylene	ND	0.0250	1	04/29/25	04/29/25	
p,m-Xylene	ND	0.0500	1	04/29/25	04/29/25	
Total Xylenes	ND	0.0250	1	04/29/25	04/29/25	
Surrogate: 4-Bromochlorobenzene-PID	88.4 %	70-130		04/29/25	04/29/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2518032	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/29/25	04/29/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	92.9 %	70-130		04/29/25	04/29/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2518040	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/29/25	04/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/29/25	04/30/25	
Surrogate: n-Nonane	102 %	61-141		04/29/25	04/30/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: JM		Batch: 2518031	
Chloride	9470	200	10	04/29/25	04/29/25	





## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
5/5/2025 8:03:34AM

FS53-4'

E504281-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2518032	
Benzene	ND	0.0250	1	04/29/25	04/29/25	
Ethylbenzene	ND	0.0250	1	04/29/25	04/29/25	
Toluene	ND	0.0250	1	04/29/25	04/29/25	
o-Xylene	ND	0.0250	1	04/29/25	04/29/25	
p,m-Xylene	ND	0.0500	1	04/29/25	04/29/25	
Total Xylenes	ND	0.0250	1	04/29/25	04/29/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		91.5 %	70-130	04/29/25	04/29/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2518032	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/29/25	04/29/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.0 %	70-130	04/29/25	04/29/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2518040	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/29/25	04/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/29/25	04/30/25	
<i>Surrogate: n-Nonane</i>		101 %	61-141	04/29/25	04/30/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: JM		Batch: 2518031	
Chloride	8660	200	10	04/29/25	04/29/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TGR Pipeline Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 5/5/2025 8:03:34AM
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FS73-4'

E504281-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2518032	
Benzene	ND	0.0250	1	04/29/25	04/29/25	
Ethylbenzene	ND	0.0250	1	04/29/25	04/29/25	
Toluene	ND	0.0250	1	04/29/25	04/29/25	
o-Xylene	ND	0.0250	1	04/29/25	04/29/25	
p,m-Xylene	ND	0.0500	1	04/29/25	04/29/25	
Total Xylenes	ND	0.0250	1	04/29/25	04/29/25	
Surrogate: 4-Bromochlorobenzene-PID	91.8 %	70-130		04/29/25	04/29/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2518032	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/29/25	04/29/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	93.5 %	70-130		04/29/25	04/29/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2518040	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/29/25	04/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/29/25	04/30/25	
Surrogate: n-Nonane	99.6 %	61-141		04/29/25	04/30/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: JM		Batch: 2518031	
Chloride	1950	40.0	2	04/29/25	04/29/25	



## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
5/5/2025 8:03:34AM

FS74-4'

E504281-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2518032
Benzene	ND	0.0250	1	04/29/25	04/29/25	
Ethylbenzene	ND	0.0250	1	04/29/25	04/29/25	
Toluene	ND	0.0250	1	04/29/25	04/29/25	
o-Xylene	ND	0.0250	1	04/29/25	04/29/25	
p,m-Xylene	ND	0.0500	1	04/29/25	04/29/25	
Total Xylenes	ND	0.0250	1	04/29/25	04/29/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.7 %	70-130		04/29/25	04/29/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2518032
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/29/25	04/29/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.5 %	70-130		04/29/25	04/29/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2518040
Diesel Range Organics (C10-C28)	ND	25.0	1	04/29/25	04/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/29/25	04/30/25	
<i>Surrogate: n-Nonane</i>						
	102 %	61-141		04/29/25	04/30/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: JM		Batch: 2518031
Chloride	4220	40.0	2	04/29/25	04/29/25	



## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
5/5/2025 8:03:34AM

FS75-4'

E504281-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2518032	
Benzene	ND	0.0250	1	04/29/25	04/30/25	
Ethylbenzene	ND	0.0250	1	04/29/25	04/30/25	
Toluene	ND	0.0250	1	04/29/25	04/30/25	
o-Xylene	ND	0.0250	1	04/29/25	04/30/25	
p,m-Xylene	ND	0.0500	1	04/29/25	04/30/25	
Total Xylenes	ND	0.0250	1	04/29/25	04/30/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	90.3 %	70-130		04/29/25	04/30/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2518032	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/29/25	04/30/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	92.0 %	70-130		04/29/25	04/30/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2518040	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/29/25	04/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/29/25	04/30/25	
<i>Surrogate: n-Nonane</i>	96.8 %	61-141		04/29/25	04/30/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: JM		Batch: 2518031	
Chloride	1190	20.0	1	04/29/25	04/29/25	



## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
5/5/2025 8:03:34AM

FS76-4'

E504281-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2518032
Benzene	ND	0.0250	1	04/29/25	04/30/25	
Ethylbenzene	ND	0.0250	1	04/29/25	04/30/25	
Toluene	ND	0.0250	1	04/29/25	04/30/25	
o-Xylene	ND	0.0250	1	04/29/25	04/30/25	
p,m-Xylene	ND	0.0500	1	04/29/25	04/30/25	
Total Xylenes	ND	0.0250	1	04/29/25	04/30/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.8 %	70-130		04/29/25	04/30/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2518032
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/29/25	04/30/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.3 %	70-130		04/29/25	04/30/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2518040
Diesel Range Organics (C10-C28)	ND	25.0	1	04/29/25	04/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/29/25	04/30/25	
<i>Surrogate: n-Nonane</i>						
	104 %	61-141		04/29/25	04/30/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: JM		Batch: 2518031
Chloride	866	20.0	1	04/29/25	04/29/25	



## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
5/5/2025 8:03:34AM

SW04-0-4'

E504281-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2518032	
Benzene	ND	0.0250	1	04/29/25	04/30/25	
Ethylbenzene	ND	0.0250	1	04/29/25	04/30/25	
Toluene	ND	0.0250	1	04/29/25	04/30/25	
o-Xylene	ND	0.0250	1	04/29/25	04/30/25	
p,m-Xylene	ND	0.0500	1	04/29/25	04/30/25	
Total Xylenes	ND	0.0250	1	04/29/25	04/30/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.2 %	70-130		04/29/25	04/30/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2518032	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/29/25	04/30/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.8 %	70-130		04/29/25	04/30/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: NV		Batch: 2518040	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/29/25	04/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/29/25	04/30/25	
<i>Surrogate: n-Nonane</i>						
	102 %	61-141		04/29/25	04/30/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: JM		Batch: 2518031	
Chloride	62.3	20.0	1	04/29/25	04/29/25	





## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
5/5/2025 8:03:34AM

SW05-0-4'

E504281-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2518032	
Benzene	ND	0.0250	1	04/29/25	04/30/25	
Ethylbenzene	ND	0.0250	1	04/29/25	04/30/25	
Toluene	ND	0.0250	1	04/29/25	04/30/25	
o-Xylene	ND	0.0250	1	04/29/25	04/30/25	
p,m-Xylene	ND	0.0500	1	04/29/25	04/30/25	
Total Xylenes	ND	0.0250	1	04/29/25	04/30/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.1 %	70-130		04/29/25	04/30/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2518032	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/29/25	04/30/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.5 %	70-130		04/29/25	04/30/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: NV		Batch: 2518040	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/29/25	04/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/29/25	04/30/25	
<i>Surrogate: n-Nonane</i>						
	103 %	61-141		04/29/25	04/30/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: JM		Batch: 2518031	
Chloride	132	20.0	1	04/29/25	04/29/25	



## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
5/5/2025 8:03:34AM

SW06-0-4'

E504281-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2518032
Benzene	ND	0.0250	1	04/29/25	04/30/25	
Ethylbenzene	ND	0.0250	1	04/29/25	04/30/25	
Toluene	ND	0.0250	1	04/29/25	04/30/25	
o-Xylene	ND	0.0250	1	04/29/25	04/30/25	
p,m-Xylene	ND	0.0500	1	04/29/25	04/30/25	
Total Xylenes	ND	0.0250	1	04/29/25	04/30/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.3 %	70-130		04/29/25	04/30/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2518032
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/29/25	04/30/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.8 %	70-130		04/29/25	04/30/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2518040
Diesel Range Organics (C10-C28)	ND	25.0	1	04/29/25	04/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/29/25	04/30/25	
<i>Surrogate: n-Nonane</i>						
	102 %	61-141		04/29/25	04/30/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: JM		Batch: 2518031
Chloride	131	20.0	1	04/29/25	04/29/25	



## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
5/5/2025 8:03:34AM

SW22-0-4'

E504281-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2518032	
Benzene	ND	0.0250	1	04/29/25	04/30/25	
Ethylbenzene	ND	0.0250	1	04/29/25	04/30/25	
Toluene	ND	0.0250	1	04/29/25	04/30/25	
o-Xylene	ND	0.0250	1	04/29/25	04/30/25	
p,m-Xylene	ND	0.0500	1	04/29/25	04/30/25	
Total Xylenes	ND	0.0250	1	04/29/25	04/30/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.5 %	70-130		04/29/25	04/30/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2518032	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/29/25	04/30/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.0 %	70-130		04/29/25	04/30/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: NV		Batch: 2518040	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/29/25	04/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/29/25	04/30/25	
<i>Surrogate: n-Nonane</i>						
	103 %	61-141		04/29/25	04/30/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: JM		Batch: 2518031	
Chloride	73.8	20.0	1	04/29/25	04/29/25	



## QC Summary Data

Devon Energy - Carlsbad	Project Name:	TGR Pipeline Spill	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	5/5/2025 8:03:34AM

## Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2518032-BLK1)

Prepared: 04/29/25 Analyzed: 04/29/25

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	6.76		8.00		84.5	70-130			

## LCS (2518032-BS1)

Prepared: 04/29/25 Analyzed: 04/29/25

Benzene	4.84	0.0250	5.00		96.9	70-130			
Ethylbenzene	4.79	0.0250	5.00		95.9	70-130			
Toluene	4.83	0.0250	5.00		96.7	70-130			
o-Xylene	4.73	0.0250	5.00		94.6	70-130			
p,m-Xylene	9.71	0.0500	10.0		97.1	70-130			
Total Xylenes	14.4	0.0250	15.0		96.2	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.00		8.00		87.5	70-130			

## Matrix Spike (2518032-MS1)

Source: E504281-06

Prepared: 04/29/25 Analyzed: 04/29/25

Benzene	4.92	0.0250	5.00	ND	98.4	70-130			
Ethylbenzene	4.84	0.0250	5.00	ND	96.9	70-130			
Toluene	4.89	0.0250	5.00	ND	97.8	70-130			
o-Xylene	4.78	0.0250	5.00	ND	95.5	70-130			
p,m-Xylene	9.79	0.0500	10.0	ND	97.9	70-130			
Total Xylenes	14.6	0.0250	15.0	ND	97.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	6.86		8.00		85.8	70-130			

## Matrix Spike Dup (2518032-MSD1)

Source: E504281-06

Prepared: 04/29/25 Analyzed: 04/29/25

Benzene	5.27	0.0250	5.00	ND	105	70-130	6.95	27	
Ethylbenzene	5.19	0.0250	5.00	ND	104	70-130	6.97	26	
Toluene	5.24	0.0250	5.00	ND	105	70-130	6.86	20	
o-Xylene	5.10	0.0250	5.00	ND	102	70-130	6.63	25	
p,m-Xylene	10.5	0.0500	10.0	ND	105	70-130	6.86	23	
Total Xylenes	15.6	0.0250	15.0	ND	104	70-130	6.78	26	
Surrogate: 4-Bromochlorobenzene-PID	6.87		8.00		85.8	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	TGR Pipeline Spill	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	5/5/2025 8:03:34AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2518032-BLK1) Prepared: 04/29/25 Analyzed: 04/29/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.44		8.00		93.0	70-130			

LCS (2518032-BS2) Prepared: 04/29/25 Analyzed: 04/29/25

Gasoline Range Organics (C6-C10)	43.6	20.0	50.0		87.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.57		8.00		94.6	70-130			

Matrix Spike (2518032-MS2) Source: E504281-06 Prepared: 04/29/25 Analyzed: 04/29/25

Gasoline Range Organics (C6-C10)	46.6	20.0	50.0	ND	93.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.58		8.00		94.8	70-130			

Matrix Spike Dup (2518032-MSD2) Source: E504281-06 Prepared: 04/29/25 Analyzed: 04/29/25

Gasoline Range Organics (C6-C10)	44.1	20.0	50.0	ND	88.1	70-130	5.54	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.58		8.00		94.7	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	TGR Pipeline Spill	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	5/5/2025 8:03:34AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2518040-BLK1)					Prepared: 04/29/25 Analyzed: 04/29/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	49.0		50.0		98.1	61-141			

LCS (2518040-BS1)					Prepared: 04/29/25 Analyzed: 04/29/25				
Diesel Range Organics (C10-C28)	278	25.0	250		111	66-144			
Surrogate: n-Nonane	51.0		50.0		102	61-141			

Matrix Spike (2518040-MS1)					Source: E504281-06		Prepared: 04/29/25 Analyzed: 04/29/25		
Diesel Range Organics (C10-C28)	281	25.0	250	ND	112	56-156			
Surrogate: n-Nonane	50.0		50.0		100	61-141			

Matrix Spike Dup (2518040-MSD1)					Source: E504281-06		Prepared: 04/29/25 Analyzed: 04/29/25		
Diesel Range Organics (C10-C28)	293	25.0	250	ND	117	56-156	4.44	20	
Surrogate: n-Nonane	51.6		50.0		103	61-141			





QC Summary Data

Devon Energy - Carlsbad	Project Name:	TGR Pipeline Spill	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	5/5/2025 8:03:34AM

Anions by EPA 300.0/9056A

Analyst: JM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2518031-BLK1)						Prepared: 04/29/25 Analyzed: 04/29/25			
Chloride	ND	20.0							
LCS (2518031-BS1)						Prepared: 04/29/25 Analyzed: 04/29/25			
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2518031-MS1)				Source: E504281-01		Prepared: 04/29/25 Analyzed: 04/29/25			
Chloride	8880	200	250	9480	NR	80-120			M4
Matrix Spike Dup (2518031-MSD1)				Source: E504281-01		Prepared: 04/29/25 Analyzed: 04/29/25			
Chloride	7990	200	250	9480	NR	80-120	10.6	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:	TGR Pipeline Spill	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	05/05/25 08:03

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

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



Client Information				Invoice Information		Lab Use Only		TAT				State							
Client: Devon				Company: Devon Energy		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX				
Project: TGR Pipeline Spill				Address: 5315 Buena Vista Dr		E504281	Q1058-0007				X	X							
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: (575)689-7597															
City, State, Zip: Carlsbad NM, 88220				Email: jim.raley@dnv.com															
Phone: 575-988-0055				Miscellaneous: Jim Raley															
Email: agiovengo@ensolum.com																			
Sample Information						Analysis and Method								EPA Program					
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO 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	
1356	4/25/2025	Soil	1	F552-4'		11								X		5.8			
1357	4/25/2025	Soil	1	53		12								X		4.4			
1351	4/25/2025	Soil	1	73		13								X		5.0			
1352	4/25/2025	Soil	1	74		14								X		5.1			
1355	4/25/2025	Soil	1	75		15								X		4.3			
1355	4/25/2025	Soil	1	76		16								X		3.3			
	4/25/2025	Soil	1											X					
	4/25/2025	Soil	1											X					
	4/25/2025	Soil	1											X					
	4/25/2025	Soil	1											X					
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@dnv.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com																			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																			
Sampled by: Israel Estrella																			
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days.											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time												
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time												
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time												
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> 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.																			



Client Information				Invoice Information		Lab Use Only		TAT				State							
Client: Devon				Company: Devon Energy		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX				
Project: TGR Pipeline Spill				Address: 5315 Buena Vista Dr		E504281	010580007				x	x							
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: (575)689-7597															
City, State, Zip: Carlsbad NM, 88220				Email: jim.raley@dmn.com															
Phone: 575-988-0055				Miscellaneous: Jim Raley															
Email: agiovengo@ensolum.com																			
Sample Information						Analysis and Method								EPA Program					
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA	
1405	4/25/2025	Soil	1	SW04-0-9'		17								x					
1407	4/25/2025	Soil	1	↓ 05 ↓		18								x					
1406	4/25/2025	Soil	1	↓ 06 ↓		19								x					
1402	4/25/2025	Soil	1	↓ 22 ↓		20								x					
	4/25/2025	Soil	1											x					
	4/25/2025	Soil	1											x					
	4/25/2025	Soil	1											x					
	4/25/2025	Soil	1											x					
	4/25/2025	Soil	1											x					
	4/25/2025	Soil	1											x					
	4/25/2025	Soil	1											x					
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@dmn.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com																			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																			
Sampled by: <u>E. Raley</u>																			
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: <u>(Y/N)</u>													
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time														
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time														
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time														
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time														
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____																			
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																			
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			

## Envirotech Analytical Laboratory

Printed: 4/29/2025 10:20:10AM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Devon Energy - Carlsbad	Date Received:	04/29/25 08:15	Work Order ID:	E504281
Phone:	(505) 382-1211	Date Logged In:	04/28/25 15:03	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	05/05/25 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.



Report to:

Ashley Giovengo



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Devon Energy - Carlsbad

Project Name: TGR Pipeline Spill

Work Order: E504292

Job Number: 01058-0007

Received: 4/30/2025

Revision: 3

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
5/6/25

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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

Date Reported: 5/6/25

Ashley Giovengo  
6488 7 Rivers Hwy  
Artesia, NM 88210



Project Name: TGR Pipeline Spill  
Workorder: E504292  
Date Received: 4/30/2025 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/30/2025 8:00:00AM, under the Project Name: TGR Pipeline Spill.

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

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

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

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

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

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

Field Offices:

**Southern New Mexico Area**

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

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

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

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Sample Summary

Devon Energy - Carlsbad	Project Name:	TGR Pipeline Spill	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	05/06/25 10:16

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BF01	E504292-01A	Soil	04/28/25	04/30/25	Glass Jar, 2 oz.
BF02	E504292-02A	Soil	04/28/25	04/30/25	Glass Jar, 2 oz.



## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
5/6/2025 10:16:12AM

**BF01**

**E504292-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2518053	
Benzene	ND	0.0250	1	04/30/25	05/01/25	
Ethylbenzene	ND	0.0250	1	04/30/25	05/01/25	
Toluene	ND	0.0250	1	04/30/25	05/01/25	
o-Xylene	ND	0.0250	1	04/30/25	05/01/25	
p,m-Xylene	ND	0.0500	1	04/30/25	05/01/25	
Total Xylenes	ND	0.0250	1	04/30/25	05/01/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	04/30/25	05/01/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2518053	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/30/25	05/01/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.4 %	70-130	04/30/25	05/01/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KH		Batch: 2518063	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/30/25	04/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/30/25	04/30/25	
<i>Surrogate: n-Nonane</i>		96.6 %	61-141	04/30/25	04/30/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2518061	
Chloride	ND	20.0	1	04/30/25	04/30/25	



## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
5/6/2025 10:16:12AM

BF02

E504292-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2518053	
Benzene	ND	0.0250	1	04/30/25	05/01/25	
Ethylbenzene	ND	0.0250	1	04/30/25	05/01/25	
Toluene	ND	0.0250	1	04/30/25	05/01/25	
o-Xylene	ND	0.0250	1	04/30/25	05/01/25	
p,m-Xylene	ND	0.0500	1	04/30/25	05/01/25	
Total Xylenes	ND	0.0250	1	04/30/25	05/01/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	04/30/25	05/01/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2518053	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/30/25	05/01/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.9 %	70-130	04/30/25	05/01/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KH		Batch: 2518063	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/30/25	04/30/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/30/25	04/30/25	
<i>Surrogate: n-Nonane</i>		94.2 %	61-141	04/30/25	04/30/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2518061	
Chloride	ND	20.0	1	04/30/25	04/30/25	



## QC Summary Data

Devon Energy - Carlsbad	Project Name:	TGR Pipeline Spill	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	5/6/2025 10:16:12AM

## Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2518053-BLK1)

Prepared: 04/30/25 Analyzed: 05/01/25

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		102	70-130			

## LCS (2518053-BS1)

Prepared: 04/30/25 Analyzed: 05/01/25

Benzene	5.71	0.0250	5.00		114	70-130			
Ethylbenzene	5.63	0.0250	5.00		113	70-130			
Toluene	5.69	0.0250	5.00		114	70-130			
o-Xylene	5.56	0.0250	5.00		111	70-130			
p,m-Xylene	11.3	0.0500	10.0		113	70-130			
Total Xylenes	16.9	0.0250	15.0		113	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.06		8.00		101	70-130			

## Matrix Spike (2518053-MS1)

Source: E504293-04

Prepared: 04/30/25 Analyzed: 05/01/25

Benzene	5.46	0.0250	5.00	ND	109	70-130			
Ethylbenzene	5.34	0.0250	5.00	ND	107	70-130			
Toluene	5.42	0.0250	5.00	ND	108	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	8.17		8.00		102	70-130			

## Matrix Spike Dup (2518053-MSD1)

Source: E504293-04

Prepared: 04/30/25 Analyzed: 05/01/25

Benzene	5.36	0.0250	5.00	ND	107	70-130	1.80	27	
Ethylbenzene	5.26	0.0250	5.00	ND	105	70-130	1.44	26	
Toluene	5.33	0.0250	5.00	ND	107	70-130	1.61	20	
o-Xylene	5.20	0.0250	5.00	ND	104	70-130	1.57	25	
p,m-Xylene	10.6	0.0500	10.0	ND	106	70-130	1.25	23	
Total Xylenes	15.8	0.0250	15.0	ND	105	70-130	1.36	26	
Surrogate: 4-Bromochlorobenzene-PID	8.19		8.00		102	70-130			





QC Summary Data

Devon Energy - Carlsbad	Project Name:	TGR Pipeline Spill	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	5/6/2025 10:16:12AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2518053-BLK1) Prepared: 04/30/25 Analyzed: 05/01/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.30		8.00		91.3	70-130			

LCS (2518053-BS2) Prepared: 04/30/25 Analyzed: 05/01/25

Gasoline Range Organics (C6-C10)	44.8	20.0	50.0		89.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.44		8.00		92.9	70-130			

Matrix Spike (2518053-MS2) Source: E504293-04 Prepared: 04/30/25 Analyzed: 05/01/25

Gasoline Range Organics (C6-C10)	41.2	20.0	50.0	ND	82.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.41		8.00		92.6	70-130			

Matrix Spike Dup (2518053-MSD2) Source: E504293-04 Prepared: 04/30/25 Analyzed: 05/01/25

Gasoline Range Organics (C6-C10)	41.6	20.0	50.0	ND	83.1	70-130	0.870	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.49		8.00		93.6	70-130			



## QC Summary Data

Devon Energy - Carlsbad	Project Name:	TGR Pipeline Spill	<b>Reported:</b>
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	5/6/2025 10:16:12AM

## Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2518063-BLK1)

Prepared: 04/30/25 Analyzed: 04/30/25

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	46.7		50.0		93.4	61-141			

## LCS (2518063-BS1)

Prepared: 04/30/25 Analyzed: 04/30/25

Diesel Range Organics (C10-C28)	254	25.0	250		101	66-144			
Surrogate: <i>n</i> -Nonane	47.1		50.0		94.2	61-141			

## Matrix Spike (2518063-MS1)

Source: E504292-02

Prepared: 04/30/25 Analyzed: 04/30/25

Diesel Range Organics (C10-C28)	265	25.0	250	ND	106	56-156			
Surrogate: <i>n</i> -Nonane	47.9		50.0		95.8	61-141			

## Matrix Spike Dup (2518063-MSD1)

Source: E504292-02

Prepared: 04/30/25 Analyzed: 04/30/25

Diesel Range Organics (C10-C28)	266	25.0	250	ND	107	56-156	0.554	20	
Surrogate: <i>n</i> -Nonane	48.5		50.0		97.1	61-141			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	TGR Pipeline Spill	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	5/6/2025 10:16:12AM

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 (2518061-BLK1)					Prepared: 04/30/25 Analyzed: 04/30/25				
Chloride	ND	20.0							
LCS (2518061-BS1)					Prepared: 04/30/25 Analyzed: 04/30/25				
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2518061-MS1)					Source: E504294-02		Prepared: 04/30/25 Analyzed: 04/30/25		
Chloride	540	20.0	250	295	98.0	80-120			
Matrix Spike Dup (2518061-MSD1)					Source: E504294-02		Prepared: 04/30/25 Analyzed: 04/30/25		
Chloride	548	20.0	250	295	101	80-120	1.49	20	

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



Definitions and Notes

Devon Energy - Carlsbad	Project Name:	TGR Pipeline Spill	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	05/06/25 10:16

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



Client Information				Invoice Information		Lab Use Only		TAT				State							
Client: Devon				Company: Devon Energy		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX				
Project: TGR Pipeline Spill				Address: 5315 Buena Vista Dr		E504292	01058-0007				x	x							
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: (575)689-7597															
City, State, Zip: Carlsbad NM, 88220				Email: jim.raley@dnv.com															
Phone: 575-988-0055				Miscellaneous: Jim Raley															
Email: agiovengo@ensulum.com																			
Sample Information						Analysis and Method								EPA Program					
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCO 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA	
1004	4/28/2025	Soil	1	5501-01		1								x					
1006	4/28/2025	Soil	1	5502-01		2								x					
	4/28/2025	Soil	1											x					
	4/28/2025	Soil	1											x					
	4/28/2025	Soil	1											x					
	4/28/2025	Soil	1											x					
	4/28/2025	Soil	1											x					
	4/28/2025	Soil	1											x					
	4/28/2025	Soil	1											x					
	4/28/2025	Soil	1											x					
	4/28/2025	Soil	1											x					
	4/28/2025	Soil	1											x					
Additional Instructions: Please CC: cburton@ensulum.com, agiovengo@ensulum.com, jim.raley@dnv.com, iestrella@ensulum.com, chamilton@ensulum.com, bmoir@ensulum.com																			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																			
Sampled by: Israel Estrella																			
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: <u>Y/N</u>							
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																			
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																			
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			

## Envirotech Analytical Laboratory

Printed: 4/30/2025 10:38:11AM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Devon Energy - Carlsbad	Date Received:	04/30/25 08:00	Work Order ID:	E504292
Phone:	(505) 382-1211	Date Logged In:	04/29/25 14:43	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	05/06/25 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.



Client Information				Invoice Information		Lab Use Only		TAT		State									
Client: Devon				Company: Devon Energy		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX				
Project: TGR Pipeline Spill				Address: 5315 Buena Vista Dr		E504292	04058-0001				x	x							
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: (575)689-7597															
City, State, Zip: Carlsbad NM, 88220				Email: jim.raley@dv.com															
Phone: 575-988-0055				Miscellaneous: Jim Raley															
Email: agiovengo@ensolum.com																			
Sample Information						Analysis and Method						EPA Program							
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005-TX	RCRA 8 Metals	EGDCC - NM	EGDCC - TX	SDWA	CWA	RCRA	
1004	4/28/2025	Soil	1	5501-01 BF01		1								x		2.3			Corrected
1006	4/28/2025	Soil	1	5502-01 BF02		2								x		2.0			Sample names per Cole. 5/6/25 CM
	4/28/2025	Soil	1											x					
	4/28/2025	Soil	1											x					
	4/28/2025	Soil	1											x					
	4/28/2025	Soil	1											x					
	4/28/2025	Soil	1											x					
	4/28/2025	Soil	1											x					
	4/28/2025	Soil	1											x					
	4/28/2025	Soil	1											x					
	4/28/2025	Soil	1											x					
	4/28/2025	Soil	1											x					
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@dv.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com																			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																			
Sampled by: Israel Estrella																			
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Received 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			
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Received by: (Signature)		Date	Time				
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Received by: (Signature)		Date	Time				
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Received by: (Signature)		Date	Time				
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Received by: (Signature)		Date	Time				
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																			
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																			
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			



Report to:

Ashley Giovengo



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Devon Energy - Carlsbad

Project Name: TGR Pipeline Spill

Work Order: E504301

Job Number: 01058-0007

Received: 4/30/2025

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
5/6/25

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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

Date Reported: 5/6/25

Ashley Giovengo  
6488 7 Rivers Hwy  
Artesia, NM 88210



Project Name: TGR Pipeline Spill  
Workorder: E504301  
Date Received: 4/30/2025 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/30/2025 8:00:00AM, under the Project Name: TGR Pipeline Spill.

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

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

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

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

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

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

Field Offices:

**Southern New Mexico Area**

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

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

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

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## Sample Summary

Devon Energy - Carlsbad	Project Name:	TGR Pipeline Spill	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	05/06/25 13:28

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS25-4'	E504301-01A	Soil	04/28/25	04/30/25	Glass Jar, 2 oz.
FS55-4'	E504301-02A	Soil	04/28/25	04/30/25	Glass Jar, 2 oz.
FS51-4'	E504301-03A	Soil	04/28/25	04/30/25	Glass Jar, 2 oz.
FS54-4'	E504301-04A	Soil	04/28/25	04/30/25	Glass Jar, 2 oz.
FS56-4'	E504301-05A	Soil	04/28/25	04/30/25	Glass Jar, 2 oz.
FS57-4'	E504301-06A	Soil	04/28/25	04/30/25	Glass Jar, 2 oz.
FS59-4'	E504301-07A	Soil	04/28/25	04/30/25	Glass Jar, 2 oz.
FS58-4'	E504301-08A	Soil	04/28/25	04/30/25	Glass Jar, 2 oz.
FS60-4'	E504301-09A	Soil	04/28/25	04/30/25	Glass Jar, 2 oz.
FS31-4'	E504301-10A	Soil	04/28/25	04/30/25	Glass Jar, 2 oz.
FS33-4'	E504301-11A	Soil	04/28/25	04/30/25	Glass Jar, 2 oz.
FS36-4'	E504301-12A	Soil	04/28/25	04/30/25	Glass Jar, 2 oz.
FS61-4'	E504301-13A	Soil	04/28/25	04/30/25	Glass Jar, 2 oz.
FS65-4'	E504301-14A	Soil	04/28/25	04/30/25	Glass Jar, 2 oz.
FS67-4'	E504301-15A	Soil	04/28/25	04/30/25	Glass Jar, 2 oz.
FS70-4'	E504301-16A	Soil	04/28/25	04/30/25	Glass Jar, 2 oz.
FS71-4'	E504301-17A	Soil	04/28/25	04/30/25	Glass Jar, 2 oz.
FS72-4'	E504301-18A	Soil	04/28/25	04/30/25	Glass Jar, 2 oz.
SW08-0-4'	E504301-19A	Soil	04/28/25	04/30/25	Glass Jar, 2 oz.



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TGR Pipeline Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 5/6/2025 1:28:29PM
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FS25-4'  
E504301-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2518057	
Benzene	ND	0.0250	1	04/30/25	05/01/25	
Ethylbenzene	ND	0.0250	1	04/30/25	05/01/25	
Toluene	ND	0.0250	1	04/30/25	05/01/25	
o-Xylene	ND	0.0250	1	04/30/25	05/01/25	
p,m-Xylene	ND	0.0500	1	04/30/25	05/01/25	
Total Xylenes	ND	0.0250	1	04/30/25	05/01/25	
Surrogate: 4-Bromochlorobenzene-PID	84.0 %	70-130		04/30/25	05/01/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2518057	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/30/25	05/01/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	94.6 %	70-130		04/30/25	05/01/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KH		Batch: 2518067	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/30/25	05/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/30/25	05/01/25	
Surrogate: n-Nonane	93.0 %	61-141		04/30/25	05/01/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2518072	
Chloride	3700	40.0	2	04/30/25	05/01/25	



## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
5/6/2025 1:28:29PM

FS55-4'

E504301-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2518057	
Benzene	ND	0.0250	1	04/30/25	05/01/25	
Ethylbenzene	ND	0.0250	1	04/30/25	05/01/25	
Toluene	ND	0.0250	1	04/30/25	05/01/25	
o-Xylene	ND	0.0250	1	04/30/25	05/01/25	
p,m-Xylene	ND	0.0500	1	04/30/25	05/01/25	
Total Xylenes	ND	0.0250	1	04/30/25	05/01/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	82.6 %	70-130		04/30/25	05/01/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2518057	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/30/25	05/01/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.6 %	70-130		04/30/25	05/01/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KH		Batch: 2518067	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/30/25	05/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/30/25	05/01/25	
<i>Surrogate: n-Nonane</i>						
	92.2 %	61-141		04/30/25	05/01/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: DT		Batch: 2518072	
Chloride	2980	40.0	2	04/30/25	05/01/25	



## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
5/6/2025 1:28:29PM

FS51-4'

E504301-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2518057
Benzene	ND	0.0250	1	04/30/25	05/01/25	
Ethylbenzene	ND	0.0250	1	04/30/25	05/01/25	
Toluene	ND	0.0250	1	04/30/25	05/01/25	
o-Xylene	ND	0.0250	1	04/30/25	05/01/25	
p,m-Xylene	ND	0.0500	1	04/30/25	05/01/25	
Total Xylenes	ND	0.0250	1	04/30/25	05/01/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	83.5 %	70-130		04/30/25	05/01/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2518057
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/30/25	05/01/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.2 %	70-130		04/30/25	05/01/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KH		Batch: 2518067
Diesel Range Organics (C10-C28)	ND	25.0	1	04/30/25	05/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/30/25	05/01/25	
<i>Surrogate: n-Nonane</i>						
	92.4 %	61-141		04/30/25	05/01/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2518072
Chloride	1010	20.0	1	04/30/25	05/01/25	



## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
5/6/2025 1:28:29PM

FS54-4'

E504301-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2518057	
Benzene	ND	0.0250	1	04/30/25	05/01/25	
Ethylbenzene	ND	0.0250	1	04/30/25	05/01/25	
Toluene	ND	0.0250	1	04/30/25	05/01/25	
o-Xylene	ND	0.0250	1	04/30/25	05/01/25	
p,m-Xylene	ND	0.0500	1	04/30/25	05/01/25	
Total Xylenes	ND	0.0250	1	04/30/25	05/01/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	85.7 %	70-130		04/30/25	05/01/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2518057	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/30/25	05/01/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.8 %	70-130		04/30/25	05/01/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KH		Batch: 2518067	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/30/25	05/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/30/25	05/01/25	
<i>Surrogate: n-Nonane</i>						
	91.9 %	61-141		04/30/25	05/01/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: DT		Batch: 2518072	
Chloride	2840	40.0	2	04/30/25	05/01/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TGR Pipeline Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 5/6/2025 1:28:29PM
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FS56-4'

E504301-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2518057	
Benzene	ND	0.0250	1	04/30/25	05/02/25	
Ethylbenzene	ND	0.0250	1	04/30/25	05/02/25	
Toluene	ND	0.0250	1	04/30/25	05/02/25	
o-Xylene	ND	0.0250	1	04/30/25	05/02/25	
p,m-Xylene	ND	0.0500	1	04/30/25	05/02/25	
Total Xylenes	ND	0.0250	1	04/30/25	05/02/25	
Surrogate: 4-Bromochlorobenzene-PID	84.9 %	70-130		04/30/25	05/02/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2518057	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/30/25	05/02/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	94.4 %	70-130		04/30/25	05/02/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KH		Batch: 2518067	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/30/25	05/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/30/25	05/01/25	
Surrogate: n-Nonane	92.0 %	61-141		04/30/25	05/01/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2518072	
Chloride	4620	40.0	2	04/30/25	05/01/25	



## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
5/6/2025 1:28:29PM

FS57-4'

E504301-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2518057	
Benzene	ND	0.0250	1	04/30/25	05/01/25	
Ethylbenzene	ND	0.0250	1	04/30/25	05/01/25	
Toluene	ND	0.0250	1	04/30/25	05/01/25	
o-Xylene	ND	0.0250	1	04/30/25	05/01/25	
p,m-Xylene	ND	0.0500	1	04/30/25	05/01/25	
Total Xylenes	ND	0.0250	1	04/30/25	05/01/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	84.1 %	70-130		04/30/25	05/01/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2518057	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/30/25	05/01/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	93.6 %	70-130		04/30/25	05/01/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KH		Batch: 2518067	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/30/25	05/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/30/25	05/01/25	
<i>Surrogate: n-Nonane</i>	91.9 %	61-141		04/30/25	05/01/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2518072	
Chloride	3540	40.0	2	04/30/25	05/01/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TGR Pipeline Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 5/6/2025 1:28:29PM
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FS59-4'

E504301-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2518057	
Benzene	ND	0.0250	1	04/30/25	05/02/25	
Ethylbenzene	ND	0.0250	1	04/30/25	05/02/25	
Toluene	ND	0.0250	1	04/30/25	05/02/25	
o-Xylene	ND	0.0250	1	04/30/25	05/02/25	
p,m-Xylene	ND	0.0500	1	04/30/25	05/02/25	
Total Xylenes	ND	0.0250	1	04/30/25	05/02/25	
Surrogate: 4-Bromochlorobenzene-PID	86.9 %	70-130		04/30/25	05/02/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2518057	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/30/25	05/02/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	94.4 %	70-130		04/30/25	05/02/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KH		Batch: 2518067	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/30/25	05/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/30/25	05/01/25	
Surrogate: n-Nonane	95.2 %	61-141		04/30/25	05/01/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2518072	
Chloride	5500	100	5	04/30/25	05/01/25	





Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TGR Pipeline Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 5/6/2025 1:28:29PM
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FS58-4'

E504301-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2518057	
Benzene	ND	0.0250	1	04/30/25	05/02/25	
Ethylbenzene	ND	0.0250	1	04/30/25	05/02/25	
Toluene	ND	0.0250	1	04/30/25	05/02/25	
o-Xylene	ND	0.0250	1	04/30/25	05/02/25	
p,m-Xylene	ND	0.0500	1	04/30/25	05/02/25	
Total Xylenes	ND	0.0250	1	04/30/25	05/02/25	
Surrogate: 4-Bromochlorobenzene-PID	86.6 %	70-130		04/30/25	05/02/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2518057	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/30/25	05/02/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	94.3 %	70-130		04/30/25	05/02/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KH		Batch: 2518067	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/30/25	05/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/30/25	05/01/25	
Surrogate: n-Nonane	96.0 %	61-141		04/30/25	05/01/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2518072	
Chloride	4440	40.0	2	04/30/25	05/01/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TGR Pipeline Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 5/6/2025 1:28:29PM
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FS60-4'

E504301-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2518057	
Benzene	ND	0.0250	1	04/30/25	05/02/25	
Ethylbenzene	ND	0.0250	1	04/30/25	05/02/25	
Toluene	ND	0.0250	1	04/30/25	05/02/25	
o-Xylene	ND	0.0250	1	04/30/25	05/02/25	
p,m-Xylene	ND	0.0500	1	04/30/25	05/02/25	
Total Xylenes	ND	0.0250	1	04/30/25	05/02/25	
Surrogate: 4-Bromochlorobenzene-PID	87.8 %	70-130		04/30/25	05/02/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2518057	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/30/25	05/02/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	94.9 %	70-130		04/30/25	05/02/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KH		Batch: 2518067	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/30/25	05/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/30/25	05/02/25	
Surrogate: n-Nonane	93.3 %	61-141		04/30/25	05/02/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2518072	
Chloride	6090	100	5	04/30/25	05/01/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TGR Pipeline Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 5/6/2025 1:28:29PM
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FS31-4'

E504301-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2518057	
Benzene	ND	0.0250	1	04/30/25	05/02/25	
Ethylbenzene	ND	0.0250	1	04/30/25	05/02/25	
Toluene	ND	0.0250	1	04/30/25	05/02/25	
o-Xylene	ND	0.0250	1	04/30/25	05/02/25	
p,m-Xylene	ND	0.0500	1	04/30/25	05/02/25	
Total Xylenes	ND	0.0250	1	04/30/25	05/02/25	
Surrogate: 4-Bromochlorobenzene-PID	86.4 %	70-130		04/30/25	05/02/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2518057	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/30/25	05/02/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	93.8 %	70-130		04/30/25	05/02/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KH		Batch: 2518067	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/30/25	05/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/30/25	05/02/25	
Surrogate: n-Nonane	97.6 %	61-141		04/30/25	05/02/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2518072	
Chloride	5190	40.0	2	04/30/25	05/01/25	



## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
5/6/2025 1:28:29PM

FS33-4'

E504301-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2518057	
Benzene	ND	0.0250	1	04/30/25	05/02/25	
Ethylbenzene	ND	0.0250	1	04/30/25	05/02/25	
Toluene	ND	0.0250	1	04/30/25	05/02/25	
o-Xylene	ND	0.0250	1	04/30/25	05/02/25	
p,m-Xylene	ND	0.0500	1	04/30/25	05/02/25	
Total Xylenes	ND	0.0250	1	04/30/25	05/02/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	88.6 %	70-130		04/30/25	05/02/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2518057	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/30/25	05/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.1 %	70-130		04/30/25	05/02/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KH		Batch: 2518067	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/30/25	05/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/30/25	05/02/25	
<i>Surrogate: n-Nonane</i>						
	93.9 %	61-141		04/30/25	05/02/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: DT		Batch: 2518072	
Chloride	5130	40.0	2	04/30/25	05/01/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TGR Pipeline Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 5/6/2025 1:28:29PM
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FS36-4'

E504301-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2518057	
Benzene	ND	0.0250	1	04/30/25	05/02/25	
Ethylbenzene	ND	0.0250	1	04/30/25	05/02/25	
Toluene	ND	0.0250	1	04/30/25	05/02/25	
o-Xylene	ND	0.0250	1	04/30/25	05/02/25	
p,m-Xylene	ND	0.0500	1	04/30/25	05/02/25	
Total Xylenes	ND	0.0250	1	04/30/25	05/02/25	
Surrogate: 4-Bromochlorobenzene-PID	87.8 %	70-130		04/30/25	05/02/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2518057	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/30/25	05/02/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	93.8 %	70-130		04/30/25	05/02/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KH		Batch: 2518067	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/30/25	05/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/30/25	05/02/25	
Surrogate: n-Nonane	91.6 %	61-141		04/30/25	05/02/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2518072	
Chloride	5160	40.0	2	04/30/25	05/01/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TGR Pipeline Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 5/6/2025 1:28:29PM
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FS61-4'

E504301-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2518057	
Benzene	ND	0.0250	1	04/30/25	05/02/25	
Ethylbenzene	ND	0.0250	1	04/30/25	05/02/25	
Toluene	ND	0.0250	1	04/30/25	05/02/25	
o-Xylene	ND	0.0250	1	04/30/25	05/02/25	
p,m-Xylene	ND	0.0500	1	04/30/25	05/02/25	
Total Xylenes	ND	0.0250	1	04/30/25	05/02/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.1 %	70-130		04/30/25	05/02/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2518057	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/30/25	05/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.7 %	70-130		04/30/25	05/02/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KH		Batch: 2518067	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/30/25	05/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/30/25	05/02/25	
<i>Surrogate: n-Nonane</i>						
	93.8 %	61-141		04/30/25	05/02/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: DT		Batch: 2518072	
Chloride	3400	40.0	2	04/30/25	05/01/25	





## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
5/6/2025 1:28:29PM

FS65-4'

E504301-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2518057	
Benzene	ND	0.0250	1	04/30/25	05/02/25	
Ethylbenzene	ND	0.0250	1	04/30/25	05/02/25	
Toluene	ND	0.0250	1	04/30/25	05/02/25	
o-Xylene	ND	0.0250	1	04/30/25	05/02/25	
p,m-Xylene	ND	0.0500	1	04/30/25	05/02/25	
Total Xylenes	ND	0.0250	1	04/30/25	05/02/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.3 %	70-130		04/30/25	05/02/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2518057	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/30/25	05/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.5 %	70-130		04/30/25	05/02/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KH		Batch: 2518067	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/30/25	05/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/30/25	05/02/25	
<i>Surrogate: n-Nonane</i>						
	91.9 %	61-141		04/30/25	05/02/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: DT		Batch: 2518072	
Chloride	7820	100	5	04/30/25	05/01/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TGR Pipeline Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 5/6/2025 1:28:29PM
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FS67-4'

E504301-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2518057	
Benzene	ND	0.0250	1	04/30/25	05/02/25	
Ethylbenzene	ND	0.0250	1	04/30/25	05/02/25	
Toluene	ND	0.0250	1	04/30/25	05/02/25	
o-Xylene	ND	0.0250	1	04/30/25	05/02/25	
p,m-Xylene	ND	0.0500	1	04/30/25	05/02/25	
Total Xylenes	ND	0.0250	1	04/30/25	05/02/25	
Surrogate: 4-Bromochlorobenzene-PID	87.9 %	70-130		04/30/25	05/02/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2518057	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/30/25	05/02/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	93.1 %	70-130		04/30/25	05/02/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KH		Batch: 2518067	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/30/25	05/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/30/25	05/02/25	
Surrogate: n-Nonane	94.0 %	61-141		04/30/25	05/02/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2518072	
Chloride	9120	200	10	04/30/25	05/01/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TGR Pipeline Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 5/6/2025 1:28:29PM
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FS70-4'

E504301-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2518057	
Benzene	ND	0.0250	1	04/30/25	05/02/25	
Ethylbenzene	ND	0.0250	1	04/30/25	05/02/25	
Toluene	ND	0.0250	1	04/30/25	05/02/25	
o-Xylene	ND	0.0250	1	04/30/25	05/02/25	
p,m-Xylene	ND	0.0500	1	04/30/25	05/02/25	
Total Xylenes	ND	0.0250	1	04/30/25	05/02/25	
Surrogate: 4-Bromochlorobenzene-PID	90.2 %	70-130		04/30/25	05/02/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2518057	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/30/25	05/02/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	93.8 %	70-130		04/30/25	05/02/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KH		Batch: 2518067	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/30/25	05/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/30/25	05/02/25	
Surrogate: n-Nonane	90.6 %	61-141		04/30/25	05/02/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2518072	
Chloride	3800	40.0	2	04/30/25	05/01/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TGR Pipeline Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 5/6/2025 1:28:29PM
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FS71-4'

E504301-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2518057	
Benzene	ND	0.0250	1	04/30/25	05/02/25	
Ethylbenzene	ND	0.0250	1	04/30/25	05/02/25	
Toluene	ND	0.0250	1	04/30/25	05/02/25	
o-Xylene	ND	0.0250	1	04/30/25	05/02/25	
p,m-Xylene	ND	0.0500	1	04/30/25	05/02/25	
Total Xylenes	ND	0.0250	1	04/30/25	05/02/25	
Surrogate: 4-Bromochlorobenzene-PID	90.1 %	70-130		04/30/25	05/02/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2518057	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/30/25	05/02/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	93.6 %	70-130		04/30/25	05/02/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KH		Batch: 2518067	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/30/25	05/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/30/25	05/02/25	
Surrogate: n-Nonane	91.1 %	61-141		04/30/25	05/02/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2518072	
Chloride	2950	40.0	2	04/30/25	05/01/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TGR Pipeline Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 5/6/2025 1:28:29PM
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FS72-4'

E504301-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2518057	
Benzene	ND	0.0250	1	04/30/25	05/02/25	
Ethylbenzene	ND	0.0250	1	04/30/25	05/02/25	
Toluene	ND	0.0250	1	04/30/25	05/02/25	
o-Xylene	ND	0.0250	1	04/30/25	05/02/25	
p,m-Xylene	ND	0.0500	1	04/30/25	05/02/25	
Total Xylenes	ND	0.0250	1	04/30/25	05/02/25	
Surrogate: 4-Bromochlorobenzene-PID	89.5 %	70-130		04/30/25	05/02/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2518057	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/30/25	05/02/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	93.1 %	70-130		04/30/25	05/02/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KH		Batch: 2518067	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/30/25	05/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/30/25	05/02/25	
Surrogate: n-Nonane	92.5 %	61-141		04/30/25	05/02/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2518072	
Chloride	1850	20.0	1	04/30/25	05/01/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TGR Pipeline Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 5/6/2025 1:28:29PM
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SW08-0-4'  
E504301-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2518057	
Benzene	ND	0.0250	1	04/30/25	05/02/25	
Ethylbenzene	ND	0.0250	1	04/30/25	05/02/25	
Toluene	ND	0.0250	1	04/30/25	05/02/25	
o-Xylene	ND	0.0250	1	04/30/25	05/02/25	
p,m-Xylene	ND	0.0500	1	04/30/25	05/02/25	
Total Xylenes	ND	0.0250	1	04/30/25	05/02/25	
Surrogate: 4-Bromochlorobenzene-PID	90.2 %	70-130		04/30/25	05/02/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2518057	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/30/25	05/02/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	93.7 %	70-130		04/30/25	05/02/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KH		Batch: 2518067	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/30/25	05/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	04/30/25	05/02/25	
Surrogate: n-Nonane	91.3 %	61-141		04/30/25	05/02/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2518072	
Chloride	172	20.0	1	04/30/25	05/01/25	





QC Summary Data

Devon Energy - Carlsbad	Project Name:	TGR Pipeline Spill	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	5/6/2025 1:28:29PM

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2518057-BLK1) Prepared: 04/30/25 Analyzed: 05/01/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	6.79		8.00		84.9	70-130			

LCS (2518057-BS1) Prepared: 04/30/25 Analyzed: 05/01/25

Benzene	4.42	0.0250	5.00		88.4	70-130			
Ethylbenzene	4.48	0.0250	5.00		89.7	70-130			
Toluene	4.48	0.0250	5.00		89.7	70-130			
o-Xylene	4.45	0.0250	5.00		89.1	70-130			
p,m-Xylene	9.08	0.0500	10.0		90.8	70-130			
Total Xylenes	13.5	0.0250	15.0		90.2	70-130			
Surrogate: 4-Bromochlorobenzene-PID	6.77		8.00		84.7	70-130			

Matrix Spike (2518057-MS1) Source: E504301-06 Prepared: 04/30/25 Analyzed: 05/01/25

Benzene	5.43	0.0250	5.00	ND	109	70-130			
Ethylbenzene	5.46	0.0250	5.00	ND	109	70-130			
Toluene	5.48	0.0250	5.00	ND	110	70-130			
o-Xylene	5.39	0.0250	5.00	ND	108	70-130			
p,m-Xylene	11.0	0.0500	10.0	ND	110	70-130			
Total Xylenes	16.4	0.0250	15.0	ND	109	70-130			
Surrogate: 4-Bromochlorobenzene-PID	6.70		8.00		83.8	70-130			

Matrix Spike Dup (2518057-MSD1) Source: E504301-06 Prepared: 04/30/25 Analyzed: 05/01/25

Benzene	5.15	0.0250	5.00	ND	103	70-130	5.19	27	
Ethylbenzene	5.18	0.0250	5.00	ND	104	70-130	5.20	26	
Toluene	5.20	0.0250	5.00	ND	104	70-130	5.33	20	
o-Xylene	5.11	0.0250	5.00	ND	102	70-130	5.49	25	
p,m-Xylene	10.4	0.0500	10.0	ND	104	70-130	5.38	23	
Total Xylenes	15.5	0.0250	15.0	ND	104	70-130	5.41	26	
Surrogate: 4-Bromochlorobenzene-PID	6.73		8.00		84.2	70-130			



## QC Summary Data

Devon Energy - Carlsbad	Project Name:	TGR Pipeline Spill	<b>Reported:</b>
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	5/6/2025 1:28:29PM

## Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2518057-BLK1)

Prepared: 04/30/25 Analyzed: 05/01/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.52		8.00		93.9	70-130			

## LCS (2518057-BS2)

Prepared: 04/30/25 Analyzed: 05/01/25

Gasoline Range Organics (C6-C10)	39.6	20.0	50.0		79.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.51		8.00		93.9	70-130			

## Matrix Spike (2518057-MS2)

Source: E504301-06

Prepared: 04/30/25 Analyzed: 05/01/25

Gasoline Range Organics (C6-C10)	39.6	20.0	50.0	ND	79.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.63		8.00		95.4	70-130			

## Matrix Spike Dup (2518057-MSD2)

Source: E504301-06

Prepared: 04/30/25 Analyzed: 05/01/25

Gasoline Range Organics (C6-C10)	43.1	20.0	50.0	ND	86.3	70-130	8.52	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.58		8.00		94.7	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	TGR Pipeline Spill	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	5/6/2025 1:28:29PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2518067-BLK1)					Prepared: 04/30/25 Analyzed: 05/01/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	46.7		50.0		93.5	61-141			

LCS (2518067-BS1)					Prepared: 04/30/25 Analyzed: 05/01/25				
Diesel Range Organics (C10-C28)	246	25.0	250		98.4	66-144			
Surrogate: n-Nonane	46.1		50.0		92.2	61-141			

Matrix Spike (2518067-MS1)					Source: E504301-07		Prepared: 04/30/25 Analyzed: 05/01/25		
Diesel Range Organics (C10-C28)	251	25.0	250	ND	100	56-156			
Surrogate: n-Nonane	46.0		50.0		92.0	61-141			

Matrix Spike Dup (2518067-MSD1)					Source: E504301-07		Prepared: 04/30/25 Analyzed: 05/01/25		
Diesel Range Organics (C10-C28)	247	25.0	250	ND	98.6	56-156	1.64	20	
Surrogate: n-Nonane	46.2		50.0		92.3	61-141			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	TGR Pipeline Spill	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	5/6/2025 1:28:29PM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2518072-BLK1)					Prepared: 04/30/25 Analyzed: 05/01/25				
Chloride	ND	20.0							
LCS (2518072-BS1)					Prepared: 04/30/25 Analyzed: 05/01/25				
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2518072-MS1)					Source: E504301-04		Prepared: 04/30/25 Analyzed: 05/01/25		
Chloride	3200	40.0	250	2840	142	80-120			M4
Matrix Spike Dup (2518072-MSD1)					Source: E504301-04		Prepared: 04/30/25 Analyzed: 05/01/25		
Chloride	3120	40.0	250	2840	109	80-120	2.62	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:	TGR Pipeline Spill	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	05/06/25 13:28

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

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

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



Client Information				Invoice Information				Lab Use Only				TAT				State							
Client: Devon				Company: Devon Energy				Lab WO#		Job Number		1D		2D		3D		Std					
Project: TGR Pipeline Spill				Address: 5315 Buena Vista Dr				E304301		00570007								X					
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220														NM CO UT TX					
Address: 3122 National Parks Hwy				Phone: (575)689-7597														X					
City, State, Zip: Carlsbad NM, 88220				Email: jim.raley@dnv.com																			
Phone: 575-988-0055				Miscellaneous: Jim Raley																			
Email: agiovengo@ensolum.com																							
Sample Information												Analysis and Method								EPA Program			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field	Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA				
1309	4/28/2025	Soil	1	F525-4'			1								X								
1305	4/28/2025	Soil	1	55			2								X								
1304	4/28/2025	Soil	1	51			3								X								
1303	4/28/2025	Soil	1	54			4								X								
1308	4/28/2025	Soil	1	56			5								X								
1306	4/28/2025	Soil	1	57			6								X								
1310	4/28/2025	Soil	1	59			7								X								
1307	4/28/2025	Soil	1	58			8								X								
1311	4/28/2025	Soil	1	60			9								X								
1341	4/28/2025	Soil	1	31			10								X								
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@dnv.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com																							
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																							
Sampled by: Israel Estrella																							
Relinquished by: (Signature)				Date		Time		Received by: (Signature)				Date		Time		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: <input checked="" type="checkbox"/> N							
Relinquished by: (Signature)				Date		Time		Received by: (Signature)				Date		Time									
Relinquished by: (Signature)				Date		Time		Received by: (Signature)				Date		Time									
Relinquished by: (Signature)				Date		Time		Received by: (Signature)				Date		Time									
Relinquished by: (Signature)				Date		Time		Received by: (Signature)				Date		Time									
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																							
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																							
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																							



Client Information				Invoice Information		Lab Use Only		TAT		State										
Client: Devon				Company: Devon Energy		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX					
Project: TGR Pipeline Spill				Address: 5315 Buena Vista Dr		E504301	01058-0057				X	X								
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220																
Address: 3122 National Parks Hwy				Phone: (575)689-7597																
City, State, Zip: Carlsbad NM, 88220				Email: jim.raley@dnv.com																
Phone: 575-988-0055				Miscellaneous: Jim Raley																
Email: agiovengo@ensolum.com																				
Sample Information						Analysis and Method								EPA Program						
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO 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 #			
																	Sample Temp		Remarks	
1342	4/28/2025	Soil	1	FS33-4'		11								X			3.1			
1341	4/28/2025	Soil	1	36		12								X			3.6			
1312	4/28/2025	Soil	1	61		13								X			2.9			
1340	4/28/2025	Soil	1	65		14								X			2.5			
1339	4/28/2025	Soil	1	67		15								X			2.0			
1338	4/28/2025	Soil	1	70		16								X			1.0			
1337	4/28/2025	Soil	1	71		17								X			1.4			
1336	4/28/2025	Soil	1	72		18								X			1.0			
1349	4/28/2025	Soil	1	SW08-0-4'		19								X			1.5			
	4/28/2025	Soil	1											X						
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@dnv.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com																				
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																				
Sampled by: <u>Israel Estrella</u>																				
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: <u>(Y)/N</u>														
<u>[Signature]</u>	4/29/25	7:11	<u>Michelle Gonzales</u>	4-29-25	0711															
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time															
<u>Michelle Gonzales</u>	4-29-25	1700	<u>[Signature]</u>	4-29-25	1700															
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time															
<u>[Signature]</u>	4-29-25	2330	<u>Carla Ma</u>	4-30-25	800															
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time															
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time															
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																				
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																				
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																				



## Envirotech Analytical Laboratory

Printed: 4/30/2025 10:48:24AM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Devon Energy - Carlsbad	Date Received:	04/30/25 08:00	Work Order ID:	E504301
Phone:	(505) 382-1211	Date Logged In:	04/29/25 15:22	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	05/06/25 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:

Ashley Giovengo



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Devon Energy - Carlsbad

Project Name: TGR Pipeline Spill

Work Order: E504317

Job Number: 01058-0007

Received: 5/1/2025

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
5/7/25

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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

Date Reported: 5/7/25

Ashley Giovengo  
6488 7 Rivers Hwy  
Artesia, NM 88210



Project Name: TGR Pipeline Spill  
Workorder: E504317  
Date Received: 5/1/2025 7:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/1/2025 7:30:00AM, under the Project Name: TGR Pipeline Spill.

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

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

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

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

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

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

Field Offices:

**Southern New Mexico Area**

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

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

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

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## Sample Summary

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TGR Pipeline Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 05/07/25 11:31
---	--	-----------------------------

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS06-4'	E504317-01A	Soil	04/29/25	05/01/25	Glass Jar, 2 oz.
FS08-4'	E504317-02A	Soil	04/29/25	05/01/25	Glass Jar, 2 oz.
FS09-4'	E504317-03A	Soil	04/29/25	05/01/25	Glass Jar, 2 oz.
FS15-4'	E504317-04A	Soil	04/29/25	05/01/25	Glass Jar, 2 oz.
FS17-4'	E504317-05A	Soil	04/29/25	05/01/25	Glass Jar, 2 oz.
FS18-4'	E504317-06A	Soil	04/29/25	05/01/25	Glass Jar, 2 oz.
FS28-4'	E504317-07A	Soil	04/29/25	05/01/25	Glass Jar, 2 oz.
FS29-4'	E504317-08A	Soil	04/29/25	05/01/25	Glass Jar, 2 oz.
FS66-4'	E504317-09A	Soil	04/29/25	05/01/25	Glass Jar, 2 oz.
SW09-0-4	E504317-10A	Soil	04/29/25	05/01/25	Glass Jar, 2 oz.
SW10-0-4	E504317-11A	Soil	04/29/25	05/01/25	Glass Jar, 2 oz.
SW11-0-4	E504317-12A	Soil	04/29/25	05/01/25	Glass Jar, 2 oz.
SW21-0-4	E504317-13A	Soil	04/29/25	05/01/25	Glass Jar, 2 oz.
SW23-0-4	E504317-14A	Soil	04/29/25	05/01/25	Glass Jar, 2 oz.
SW20-0-4	E504317-15A	Soil	04/29/25	05/01/25	Glass Jar, 2 oz.



## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
5/7/2025 11:31:35AM

**FS06-4'**

**E504317-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2518088	
Benzene	ND	0.0250	1	05/01/25	05/02/25	
Ethylbenzene	ND	0.0250	1	05/01/25	05/02/25	
Toluene	ND	0.0250	1	05/01/25	05/02/25	
o-Xylene	ND	0.0250	1	05/01/25	05/02/25	
p,m-Xylene	ND	0.0500	1	05/01/25	05/02/25	
Total Xylenes	ND	0.0250	1	05/01/25	05/02/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		105 %	70-130	05/01/25	05/02/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2518088	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/01/25	05/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.3 %	70-130	05/01/25	05/02/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: HM		Batch: 2518085	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/01/25	05/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/01/25	05/01/25	
<i>Surrogate: n-Nonane</i>		96.7 %	61-141	05/01/25	05/01/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: JM		Batch: 2518092	
Chloride	6530	100	5	05/01/25	05/01/25	





## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
5/7/2025 11:31:35AM

FS08-4'

E504317-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2518088	
Benzene	ND	0.0250	1	05/01/25	05/02/25	
Ethylbenzene	ND	0.0250	1	05/01/25	05/02/25	
Toluene	ND	0.0250	1	05/01/25	05/02/25	
o-Xylene	ND	0.0250	1	05/01/25	05/02/25	
p,m-Xylene	ND	0.0500	1	05/01/25	05/02/25	
Total Xylenes	ND	0.0250	1	05/01/25	05/02/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		106 %	70-130	05/01/25	05/02/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2518088	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/01/25	05/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.3 %	70-130	05/01/25	05/02/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: HM		Batch: 2518085	
Diesel Range Organics (C10-C28)	93.5	25.0	1	05/01/25	05/01/25	
Oil Range Organics (C28-C36)	60.5	50.0	1	05/01/25	05/01/25	
<i>Surrogate: n-Nonane</i>		103 %	61-141	05/01/25	05/01/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: JM		Batch: 2518092	
Chloride	4260	40.0	2	05/01/25	05/01/25	



## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
5/7/2025 11:31:35AM

FS09-4'

E504317-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2518088	
Benzene	ND	0.0250	1	05/01/25	05/02/25	
Ethylbenzene	ND	0.0250	1	05/01/25	05/02/25	
Toluene	ND	0.0250	1	05/01/25	05/02/25	
o-Xylene	ND	0.0250	1	05/01/25	05/02/25	
p,m-Xylene	ND	0.0500	1	05/01/25	05/02/25	
Total Xylenes	ND	0.0250	1	05/01/25	05/02/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		106 %	70-130	05/01/25	05/02/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2518088	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/01/25	05/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.4 %	70-130	05/01/25	05/02/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: HM		Batch: 2518085	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/01/25	05/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/01/25	05/01/25	
<i>Surrogate: n-Nonane</i>		95.8 %	61-141	05/01/25	05/01/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: JM		Batch: 2518092	
Chloride	8330	200	10	05/01/25	05/01/25	



## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
5/7/2025 11:31:35AM

FS15-4'

E504317-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2518088
Benzene	ND	0.0250	1	05/01/25	05/02/25	
Ethylbenzene	ND	0.0250	1	05/01/25	05/02/25	
Toluene	ND	0.0250	1	05/01/25	05/02/25	
o-Xylene	ND	0.0250	1	05/01/25	05/02/25	
p,m-Xylene	ND	0.0500	1	05/01/25	05/02/25	
Total Xylenes	ND	0.0250	1	05/01/25	05/02/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		106 %	70-130	05/01/25	05/02/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2518088
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/01/25	05/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.9 %	70-130	05/01/25	05/02/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: HM		Batch: 2518085
Diesel Range Organics (C10-C28)	ND	25.0	1	05/01/25	05/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/01/25	05/01/25	
<i>Surrogate: n-Nonane</i>						
		106 %	61-141	05/01/25	05/01/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: JM		Batch: 2518092
Chloride	7890	200	10	05/01/25	05/01/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TGR Pipeline Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 5/7/2025 11:31:35AM
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FS17-4'

E504317-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2518088	
Benzene	ND	0.0250	1	05/01/25	05/02/25	
Ethylbenzene	ND	0.0250	1	05/01/25	05/02/25	
Toluene	ND	0.0250	1	05/01/25	05/02/25	
o-Xylene	ND	0.0250	1	05/01/25	05/02/25	
p,m-Xylene	ND	0.0500	1	05/01/25	05/02/25	
Total Xylenes	ND	0.0250	1	05/01/25	05/02/25	
Surrogate: 4-Bromochlorobenzene-PID	107 %	70-130		05/01/25	05/02/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2518088	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/01/25	05/02/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	91.7 %	70-130		05/01/25	05/02/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: HM		Batch: 2518085	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/01/25	05/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/01/25	05/01/25	
Surrogate: n-Nonane	99.2 %	61-141		05/01/25	05/01/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: JM		Batch: 2518092	
Chloride	5550	100	5	05/01/25	05/01/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TGR Pipeline Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 5/7/2025 11:31:35AM
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FS18-4'

E504317-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2518088	
Benzene	ND	0.0250	1	05/01/25	05/02/25	
Ethylbenzene	ND	0.0250	1	05/01/25	05/02/25	
Toluene	ND	0.0250	1	05/01/25	05/02/25	
o-Xylene	ND	0.0250	1	05/01/25	05/02/25	
p,m-Xylene	ND	0.0500	1	05/01/25	05/02/25	
Total Xylenes	ND	0.0250	1	05/01/25	05/02/25	
Surrogate: 4-Bromochlorobenzene-PID	108 %	70-130		05/01/25	05/02/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2518088	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/01/25	05/02/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	91.3 %	70-130		05/01/25	05/02/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: HM		Batch: 2518085	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/01/25	05/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/01/25	05/01/25	
Surrogate: n-Nonane	103 %	61-141		05/01/25	05/01/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: JM		Batch: 2518092	
Chloride	11100	200	10	05/01/25	05/01/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TGR Pipeline Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 5/7/2025 11:31:35AM
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FS28-4'

E504317-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2518088	
Benzene	ND	0.0250	1	05/01/25	05/02/25	
Ethylbenzene	ND	0.0250	1	05/01/25	05/02/25	
Toluene	ND	0.0250	1	05/01/25	05/02/25	
o-Xylene	ND	0.0250	1	05/01/25	05/02/25	
p,m-Xylene	ND	0.0500	1	05/01/25	05/02/25	
Total Xylenes	ND	0.0250	1	05/01/25	05/02/25	
Surrogate: 4-Bromochlorobenzene-PID	107 %	70-130		05/01/25	05/02/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2518088	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/01/25	05/02/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	92.2 %	70-130		05/01/25	05/02/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: HM		Batch: 2518085	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/01/25	05/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/01/25	05/01/25	
Surrogate: n-Nonane	105 %	61-141		05/01/25	05/01/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: JM		Batch: 2518092	
Chloride	5210	100	5	05/01/25	05/01/25	





Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TGR Pipeline Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 5/7/2025 11:31:35AM
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FS29-4'  
E504317-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2518088	
Benzene	ND	0.0250	1	05/01/25	05/02/25	
Ethylbenzene	ND	0.0250	1	05/01/25	05/02/25	
Toluene	ND	0.0250	1	05/01/25	05/02/25	
o-Xylene	ND	0.0250	1	05/01/25	05/02/25	
p,m-Xylene	ND	0.0500	1	05/01/25	05/02/25	
Total Xylenes	ND	0.0250	1	05/01/25	05/02/25	
Surrogate: 4-Bromochlorobenzene-PID	106 %	70-130		05/01/25	05/02/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2518088	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/01/25	05/02/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	91.4 %	70-130		05/01/25	05/02/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: HM		Batch: 2518085	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/01/25	05/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/01/25	05/01/25	
Surrogate: n-Nonane	99.6 %	61-141		05/01/25	05/01/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: JM		Batch: 2518092	
Chloride	7120	200	10	05/01/25	05/01/25	



## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
5/7/2025 11:31:35AM

FS66-4'

E504317-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2518088	
Benzene	ND	0.0250	1	05/01/25	05/02/25	
Ethylbenzene	ND	0.0250	1	05/01/25	05/02/25	
Toluene	ND	0.0250	1	05/01/25	05/02/25	
o-Xylene	ND	0.0250	1	05/01/25	05/02/25	
p,m-Xylene	ND	0.0500	1	05/01/25	05/02/25	
Total Xylenes	ND	0.0250	1	05/01/25	05/02/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		106 %	70-130	05/01/25	05/02/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2518088	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/01/25	05/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.4 %	70-130	05/01/25	05/02/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: HM		Batch: 2518085	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/01/25	05/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/01/25	05/01/25	
<i>Surrogate: n-Nonane</i>		104 %	61-141	05/01/25	05/01/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: JM		Batch: 2518092	
Chloride	9720	200	10	05/01/25	05/01/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TGR Pipeline Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 5/7/2025 11:31:35AM
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SW09-0-4

E504317-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2518088	
Benzene	ND	0.0250	1	05/01/25	05/02/25	
Ethylbenzene	ND	0.0250	1	05/01/25	05/02/25	
Toluene	ND	0.0250	1	05/01/25	05/02/25	
o-Xylene	ND	0.0250	1	05/01/25	05/02/25	
p,m-Xylene	ND	0.0500	1	05/01/25	05/02/25	
Total Xylenes	ND	0.0250	1	05/01/25	05/02/25	
Surrogate: 4-Bromochlorobenzene-PID	106 %	70-130		05/01/25	05/02/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2518088	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/01/25	05/02/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	92.5 %	70-130		05/01/25	05/02/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: HM		Batch: 2518085	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/01/25	05/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/01/25	05/01/25	
Surrogate: n-Nonane	97.7 %	61-141		05/01/25	05/01/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: JM		Batch: 2518092	
Chloride	434	20.0	1	05/01/25	05/01/25	



## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
5/7/2025 11:31:35AM

SW10-0-4

E504317-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2518088	
Benzene	ND	0.0250	1	05/01/25	05/02/25	
Ethylbenzene	ND	0.0250	1	05/01/25	05/02/25	
Toluene	ND	0.0250	1	05/01/25	05/02/25	
o-Xylene	ND	0.0250	1	05/01/25	05/02/25	
p,m-Xylene	ND	0.0500	1	05/01/25	05/02/25	
Total Xylenes	ND	0.0250	1	05/01/25	05/02/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	05/01/25	05/02/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2518088	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/01/25	05/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.3 %	70-130	05/01/25	05/02/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: HM		Batch: 2518085	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/01/25	05/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/01/25	05/01/25	
<i>Surrogate: n-Nonane</i>						
		96.1 %	61-141	05/01/25	05/01/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: JM		Batch: 2518092	
Chloride	26.0	20.0	1	05/01/25	05/01/25	



## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
5/7/2025 11:31:35AM

SW11-0-4

E504317-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2518088
Benzene	ND	0.0250	1	05/01/25	05/02/25	
Ethylbenzene	ND	0.0250	1	05/01/25	05/02/25	
Toluene	ND	0.0250	1	05/01/25	05/02/25	
o-Xylene	ND	0.0250	1	05/01/25	05/02/25	
p,m-Xylene	ND	0.0500	1	05/01/25	05/02/25	
Total Xylenes	ND	0.0250	1	05/01/25	05/02/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	05/01/25	05/02/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2518088
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/01/25	05/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.5 %	70-130	05/01/25	05/02/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: HM		Batch: 2518085
Diesel Range Organics (C10-C28)	ND	25.0	1	05/01/25	05/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/01/25	05/01/25	
<i>Surrogate: n-Nonane</i>						
		97.9 %	61-141	05/01/25	05/01/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: JM		Batch: 2518092
Chloride	55.3	20.0	1	05/01/25	05/01/25	



## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
5/7/2025 11:31:35AM

SW21-0-4

E504317-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2518088
Benzene	ND	0.0250	1	05/01/25	05/02/25	
Ethylbenzene	ND	0.0250	1	05/01/25	05/02/25	
Toluene	ND	0.0250	1	05/01/25	05/02/25	
o-Xylene	ND	0.0250	1	05/01/25	05/02/25	
p,m-Xylene	ND	0.0500	1	05/01/25	05/02/25	
Total Xylenes	ND	0.0250	1	05/01/25	05/02/25	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	05/01/25	05/02/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2518088
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/01/25	05/02/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.8 %	70-130	05/01/25	05/02/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: HM		Batch: 2518085
Diesel Range Organics (C10-C28)	ND	25.0	1	05/01/25	05/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/01/25	05/01/25	
Surrogate: n-Nonane		94.0 %	61-141	05/01/25	05/01/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: JM		Batch: 2518092
Chloride	569	20.0	1	05/01/25	05/01/25	



## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
5/7/2025 11:31:35AM

SW23-0-4

E504317-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2518088	
Benzene	ND	0.0250	1	05/01/25	05/02/25	
Ethylbenzene	ND	0.0250	1	05/01/25	05/02/25	
Toluene	ND	0.0250	1	05/01/25	05/02/25	
o-Xylene	ND	0.0250	1	05/01/25	05/02/25	
p,m-Xylene	ND	0.0500	1	05/01/25	05/02/25	
Total Xylenes	ND	0.0250	1	05/01/25	05/02/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	05/01/25	05/02/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2518088	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/01/25	05/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.0 %	70-130	05/01/25	05/02/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: HM		Batch: 2518085	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/01/25	05/01/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/01/25	05/01/25	
<i>Surrogate: n-Nonane</i>						
		101 %	61-141	05/01/25	05/01/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: JM		Batch: 2518092	
Chloride	71.3	20.0	1	05/01/25	05/01/25	





## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
5/7/2025 11:31:35AM

SW20-0-4

E504317-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2518088	
Benzene	ND	0.0250	1	05/01/25	05/02/25	
Ethylbenzene	ND	0.0250	1	05/01/25	05/02/25	
Toluene	ND	0.0250	1	05/01/25	05/02/25	
o-Xylene	ND	0.0250	1	05/01/25	05/02/25	
p,m-Xylene	ND	0.0500	1	05/01/25	05/02/25	
Total Xylenes	ND	0.0250	1	05/01/25	05/02/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		104 %	70-130	05/01/25	05/02/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2518088	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/01/25	05/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.6 %	70-130	05/01/25	05/02/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: HM		Batch: 2518085	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/01/25	05/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/01/25	05/02/25	
<i>Surrogate: n-Nonane</i>		105 %	61-141	05/01/25	05/02/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: JM		Batch: 2518092	
Chloride	265	20.0	1	05/01/25	05/01/25	



## QC Summary Data

Devon Energy - Carlsbad	Project Name:	TGR Pipeline Spill	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	5/7/2025 11:31:35AM

## Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2518088-BLK1)

Prepared: 05/01/25 Analyzed: 05/02/25

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	8.13		8.00		102	70-130			

## LCS (2518088-BS1)

Prepared: 05/01/25 Analyzed: 05/02/25

Benzene	4.95	0.0250	5.00		98.9	70-130			
Ethylbenzene	5.19	0.0250	5.00		104	70-130			
Toluene	5.15	0.0250	5.00		103	70-130			
o-Xylene	5.16	0.0250	5.00		103	70-130			
p,m-Xylene	10.5	0.0500	10.0		105	70-130			
Total Xylenes	15.6	0.0250	15.0		104	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.13		8.00		102	70-130			

## Matrix Spike (2518088-MS1)

Source: E504314-03

Prepared: 05/01/25 Analyzed: 05/02/25

Benzene	5.02	0.0250	5.00	ND	100	70-130			
Ethylbenzene	5.28	0.0250	5.00	ND	106	70-130			
Toluene	5.22	0.0250	5.00	ND	104	70-130			
o-Xylene	5.23	0.0250	5.00	ND	105	70-130			
p,m-Xylene	10.6	0.0500	10.0	ND	106	70-130			
Total Xylenes	15.9	0.0250	15.0	ND	106	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.28		8.00		103	70-130			

## Matrix Spike Dup (2518088-MSD1)

Source: E504314-03

Prepared: 05/01/25 Analyzed: 05/02/25

Benzene	5.55	0.0250	5.00	ND	111	70-130	10.2	27	
Ethylbenzene	5.83	0.0250	5.00	ND	117	70-130	9.96	26	
Toluene	5.77	0.0250	5.00	ND	115	70-130	10.0	20	
o-Xylene	5.80	0.0250	5.00	ND	116	70-130	10.3	25	
p,m-Xylene	11.7	0.0500	10.0	ND	117	70-130	9.72	23	
Total Xylenes	17.5	0.0250	15.0	ND	117	70-130	9.91	26	
Surrogate: 4-Bromochlorobenzene-PID	8.33		8.00		104	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	TGR Pipeline Spill	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	5/7/2025 11:31:35AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2518088-BLK1) Prepared: 05/01/25 Analyzed: 05/02/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.41		8.00		92.6	70-130			

LCS (2518088-BS2) Prepared: 05/01/25 Analyzed: 05/02/25

Gasoline Range Organics (C6-C10)	48.1	20.0	50.0		96.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.59		8.00		94.8	70-130			

Matrix Spike (2518088-MS2) Source: E504314-03 Prepared: 05/01/25 Analyzed: 05/02/25

Gasoline Range Organics (C6-C10)	44.4	20.0	50.0	ND	88.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.39		8.00		92.4	70-130			

Matrix Spike Dup (2518088-MSD2) Source: E504314-03 Prepared: 05/01/25 Analyzed: 05/02/25

Gasoline Range Organics (C6-C10)	44.7	20.0	50.0	ND	89.4	70-130	0.672	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.37		8.00		92.2	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	TGR Pipeline Spill	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	5/7/2025 11:31:35AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2518085-BLK1)					Prepared: 05/01/25 Analyzed: 05/01/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	46.3		50.0		92.6	61-141			

LCS (2518085-BS1)					Prepared: 05/01/25 Analyzed: 05/01/25				
Diesel Range Organics (C10-C28)	257	25.0	250		103	66-144			
Surrogate: n-Nonane	47.5		50.0		95.0	61-141			

Matrix Spike (2518085-MS1)					Source: E504317-09		Prepared: 05/01/25 Analyzed: 05/01/25		
Diesel Range Organics (C10-C28)	262	25.0	250	ND	105	56-156			
Surrogate: n-Nonane	47.7		50.0		95.5	61-141			

Matrix Spike Dup (2518085-MSD1)					Source: E504317-09		Prepared: 05/01/25 Analyzed: 05/01/25		
Diesel Range Organics (C10-C28)	265	25.0	250	ND	106	56-156	1.46	20	
Surrogate: n-Nonane	47.9		50.0		95.7	61-141			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	TGR Pipeline Spill	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	5/7/2025 11:31:35AM

Anions by EPA 300.0/9056A

Analyst: JM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2518092-BLK1)				Prepared: 05/01/25 Analyzed: 05/01/25					
Chloride	ND	20.0							
LCS (2518092-BS1)				Prepared: 05/01/25 Analyzed: 05/01/25					
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2518092-MS1)				Source: E504317-07		Prepared: 05/01/25 Analyzed: 05/01/25			
Chloride	4540	100	250	5210	NR	80-120			M4
Matrix Spike Dup (2518092-MSD1)				Source: E504317-07		Prepared: 05/01/25 Analyzed: 05/01/25			
Chloride	4230	100	250	5210	NR	80-120	7.06	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:	TGR Pipeline Spill	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	05/07/25 11:31

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

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

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



Client Information				Invoice Information		Lab Use Only		TAT		State										
Client: Devon				Company: Devon Energy		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX					
Project: TGR Pipeline Spill				Address: 5315 Buena Vista Dr		E504317	10580007				X	X								
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220																
Address: 3122 National Parks Hwy				Phone: (575)689-7597																
City, State, Zip: Carlsbad NM, 88220				Email: jim.raley@dnv.com																
Phone: 575-988-0055				Miscellaneous: Jim Raley																
Email: agiovengo@ensolum.com																				
Sample Information						Analysis and Method						EPA Program								
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA		
																	Compliance	Y	or	N
																	PWSID #			
																	Sample Temp		Remarks	
1258	4/29/2025	Soil	1	F506-41		1								X			2.4			
1255	4/29/2025	Soil	1	08		2								X			1.6			
1257	4/29/2025	Soil	1	09		3								X			2.0			
1254	4/29/2025	Soil	1	15		4								X			0.9			
1254	4/29/2025	Soil	1	17		5								X			0.5			
1252	4/29/2025	Soil	1	18		6								X			1.4			
1251	4/29/2025	Soil	1	28		7								X			2.0			
1250	4/29/2025	Soil	1	29		8								X			1.8			
1247	4/29/2025	Soil	1	64		9								X			1.7			
	4/29/2025	Soil	1			10								X			1.5			
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@dnv.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com																				
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																				
Sampled by: Karel Estrella																				
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days.								
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time										
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time										
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time										
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Lab Use Only								
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Received on ice: <input checked="" type="checkbox"/> 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.																				



Client Information				Invoice Information		Lab Use Only		TAT				State							
Client: Devon				Company: Devon Energy		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX				
Project: TGR Pipeline Spill				Address: 5315 Buena Vista Dr		E504317	010580007				X	X							
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: (575)689-7597															
City, State, Zip: Carlsbad NM, 88220				Email: jim.raley@dnv.com															
Phone: 575-988-0055				Miscellaneous: Jim Raley															
Email: agiovengo@ensolum.com																			
Sample Information						Analysis and Method								EPA Program					
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA	
1325	4/29/2025	Soil	1	SW09-0-4		11								X					
1130	4/29/2025	Soil	1	10		12								X					
1128	4/29/2025	Soil	1	11		13								X					
1323	4/29/2025	Soil	1	21		14								X					
1312	4/29/2025	Soil	1	23		15								X					
1329	4/29/2025	Soil	1	20		16								X					
	4/29/2025	Soil	1											X					
	4/29/2025	Soil	1											X					
	4/29/2025	Soil	1											X					
	4/29/2025	Soil	1											X					
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@dnv.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com																			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																			
Sampled by: <u>Israel Estrella</u>																			
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: <u>Y</u> /N											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time												
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time												
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time												
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time												
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																			
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																			
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			

## Envirotech Analytical Laboratory

Printed: 5/1/2025 8:33:14AM

## 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:	05/01/25 07:30	Work Order ID:	E504317
Phone:	(505) 382-1211	Date Logged In:	04/30/25 14:47	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	05/07/25 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:

Ashley Giovengo



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Devon Energy - Carlsbad

Project Name: TGR Pipeline Spill

Work Order: E505013

Job Number: 01058-0007

Received: 5/2/2025

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
5/7/25

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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



Date Reported: 5/7/25

Ashley Giovengo  
6488 7 Rivers Hwy  
Artesia, NM 88210



Project Name: TGR Pipeline Spill  
Workorder: E505013  
Date Received: 5/2/2025 7:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/2/2025 7:00:00AM, under the Project Name: TGR Pipeline Spill.

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

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

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

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

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

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

Field Offices:

**Southern New Mexico Area**

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

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

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

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Chain of Custody etc.

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## Sample Summary

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TGR Pipeline Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 05/07/25 10:45
---	--	-----------------------------

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS01-4'	E505013-01A	Soil	04/30/25	05/02/25	Glass Jar, 2 oz.
FS02-4'	E505013-02A	Soil	04/30/25	05/02/25	Glass Jar, 2 oz.
FS03-4'	E505013-03A	Soil	04/30/25	05/02/25	Glass Jar, 2 oz.
FS04-4'	E505013-04A	Soil	04/30/25	05/02/25	Glass Jar, 2 oz.
FS05-4'	E505013-05A	Soil	04/30/25	05/02/25	Glass Jar, 2 oz.
FS07-4'	E505013-06A	Soil	04/30/25	05/02/25	Glass Jar, 2 oz.
FS10-4'	E505013-07A	Soil	04/30/25	05/02/25	Glass Jar, 2 oz.
FS14-4'	E505013-08A	Soil	04/30/25	05/02/25	Glass Jar, 2 oz.
FS16-4'	E505013-09A	Soil	04/30/25	05/02/25	Glass Jar, 2 oz.
SW14-0-4'	E505013-10A	Soil	04/30/25	05/02/25	Glass Jar, 2 oz.
SW15-0-4'	E505013-11A	Soil	04/30/25	05/02/25	Glass Jar, 2 oz.
SW16-0-4'	E505013-12A	Soil	04/30/25	05/02/25	Glass Jar, 2 oz.
SW25-0-4'	E505013-13A	Soil	04/30/25	05/02/25	Glass Jar, 2 oz.
SW26-0-4'	E505013-14A	Soil	04/30/25	05/02/25	Glass Jar, 2 oz.





## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
5/7/2025 10:45:18AM

**FS01-4'**

**E505013-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2518104	
Benzene	ND	0.0250	1	05/02/25	05/02/25	
Ethylbenzene	ND	0.0250	1	05/02/25	05/02/25	
Toluene	ND	0.0250	1	05/02/25	05/02/25	
o-Xylene	ND	0.0250	1	05/02/25	05/02/25	
p,m-Xylene	ND	0.0500	1	05/02/25	05/02/25	
Total Xylenes	ND	0.0250	1	05/02/25	05/02/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		87.3 %	70-130	05/02/25	05/02/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2518104	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/02/25	05/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.9 %	70-130	05/02/25	05/02/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KH		Batch: 2518101	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/02/25	05/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/02/25	05/02/25	
<i>Surrogate: n-Nonane</i>		91.2 %	61-141	05/02/25	05/02/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2518113	
Chloride	684	20.0	1	05/02/25	05/02/25	



## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
5/7/2025 10:45:18AM

FS02-4'

E505013-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2518104	
Benzene	ND	0.0250	1	05/02/25	05/03/25	
Ethylbenzene	ND	0.0250	1	05/02/25	05/03/25	
Toluene	ND	0.0250	1	05/02/25	05/03/25	
o-Xylene	ND	0.0250	1	05/02/25	05/03/25	
p,m-Xylene	ND	0.0500	1	05/02/25	05/03/25	
Total Xylenes	ND	0.0250	1	05/02/25	05/03/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	87.7 %	70-130		05/02/25	05/03/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2518104	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/02/25	05/03/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.7 %	70-130		05/02/25	05/03/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KH		Batch: 2518101	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/02/25	05/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/02/25	05/02/25	
<i>Surrogate: n-Nonane</i>						
	94.2 %	61-141		05/02/25	05/02/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2518113	
Chloride	137	20.0	1	05/02/25	05/02/25	



## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
5/7/2025 10:45:18AM

FS03-4'

E505013-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2518104	
Benzene	ND	0.0250	1	05/02/25	05/03/25	
Ethylbenzene	ND	0.0250	1	05/02/25	05/03/25	
Toluene	ND	0.0250	1	05/02/25	05/03/25	
o-Xylene	ND	0.0250	1	05/02/25	05/03/25	
p,m-Xylene	ND	0.0500	1	05/02/25	05/03/25	
Total Xylenes	ND	0.0250	1	05/02/25	05/03/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	87.7 %	70-130		05/02/25	05/03/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2518104	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/02/25	05/03/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.8 %	70-130		05/02/25	05/03/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KH		Batch: 2518101	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/02/25	05/02/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/02/25	05/02/25	
<i>Surrogate: n-Nonane</i>						
	94.3 %	61-141		05/02/25	05/02/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2518113	
Chloride	1640	20.0	1	05/02/25	05/02/25	



## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
5/7/2025 10:45:18AM

FS04-4'

E505013-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2518104
Benzene	ND	0.0250	1	05/02/25	05/02/25	
Ethylbenzene	ND	0.0250	1	05/02/25	05/02/25	
Toluene	ND	0.0250	1	05/02/25	05/02/25	
o-Xylene	ND	0.0250	1	05/02/25	05/02/25	
p,m-Xylene	ND	0.0500	1	05/02/25	05/02/25	
Total Xylenes	ND	0.0250	1	05/02/25	05/02/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	84.3 %	70-130		05/02/25	05/02/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2518104
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/02/25	05/02/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.0 %	70-130		05/02/25	05/02/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KH		Batch: 2518101
Diesel Range Organics (C10-C28)	ND	25.0	1	05/02/25	05/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/02/25	05/03/25	
<i>Surrogate: n-Nonane</i>						
	96.5 %	61-141		05/02/25	05/03/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2518113
Chloride	2740	40.0	2	05/02/25	05/02/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TGR Pipeline Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 5/7/2025 10:45:18AM
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FS05-4'

E505013-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2518104	
Benzene	ND	0.0250	1	05/02/25	05/03/25	
Ethylbenzene	ND	0.0250	1	05/02/25	05/03/25	
Toluene	ND	0.0250	1	05/02/25	05/03/25	
o-Xylene	ND	0.0250	1	05/02/25	05/03/25	
p,m-Xylene	ND	0.0500	1	05/02/25	05/03/25	
Total Xylenes	ND	0.0250	1	05/02/25	05/03/25	
Surrogate: 4-Bromochlorobenzene-PID	89.1 %	70-130		05/02/25	05/03/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2518104	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/02/25	05/03/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	94.1 %	70-130		05/02/25	05/03/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KH		Batch: 2518101	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/02/25	05/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/02/25	05/03/25	
Surrogate: n-Nonane	95.0 %	61-141		05/02/25	05/03/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2518113	
Chloride	1920	20.0	1	05/02/25	05/02/25	



## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
5/7/2025 10:45:18AM

FS07-4'

E505013-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2518104
Benzene	ND	0.0250	1	05/02/25	05/03/25	
Ethylbenzene	ND	0.0250	1	05/02/25	05/03/25	
Toluene	ND	0.0250	1	05/02/25	05/03/25	
o-Xylene	ND	0.0250	1	05/02/25	05/03/25	
p,m-Xylene	ND	0.0500	1	05/02/25	05/03/25	
Total Xylenes	ND	0.0250	1	05/02/25	05/03/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	86.6 %	70-130		05/02/25	05/03/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2518104
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/02/25	05/03/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.8 %	70-130		05/02/25	05/03/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KH		Batch: 2518101
Diesel Range Organics (C10-C28)	ND	25.0	1	05/02/25	05/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/02/25	05/03/25	
<i>Surrogate: n-Nonane</i>						
	94.3 %	61-141		05/02/25	05/03/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2518113
Chloride	6160	100	5	05/02/25	05/02/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TGR Pipeline Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 5/7/2025 10:45:18AM
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FS10-4'

E505013-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2518104	
Benzene	ND	0.0250	1	05/02/25	05/03/25	
Ethylbenzene	ND	0.0250	1	05/02/25	05/03/25	
Toluene	ND	0.0250	1	05/02/25	05/03/25	
o-Xylene	ND	0.0250	1	05/02/25	05/03/25	
p,m-Xylene	ND	0.0500	1	05/02/25	05/03/25	
Total Xylenes	ND	0.0250	1	05/02/25	05/03/25	
Surrogate: 4-Bromochlorobenzene-PID	86.9 %	70-130		05/02/25	05/03/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2518104	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/02/25	05/03/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	93.7 %	70-130		05/02/25	05/03/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KH		Batch: 2518101	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/02/25	05/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/02/25	05/03/25	
Surrogate: n-Nonane	94.1 %	61-141		05/02/25	05/03/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2518113	
Chloride	3910	40.0	2	05/02/25	05/02/25	





## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
5/7/2025 10:45:18AM

FS14-4'

E505013-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2518104
Benzene	ND	0.0250	1	05/02/25	05/03/25	
Ethylbenzene	ND	0.0250	1	05/02/25	05/03/25	
Toluene	ND	0.0250	1	05/02/25	05/03/25	
o-Xylene	ND	0.0250	1	05/02/25	05/03/25	
p,m-Xylene	ND	0.0500	1	05/02/25	05/03/25	
Total Xylenes	ND	0.0250	1	05/02/25	05/03/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.1 %	70-130		05/02/25	05/03/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2518104
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/02/25	05/03/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.1 %	70-130		05/02/25	05/03/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KH		Batch: 2518101
Diesel Range Organics (C10-C28)	ND	25.0	1	05/02/25	05/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/02/25	05/03/25	
<i>Surrogate: n-Nonane</i>						
	96.9 %	61-141		05/02/25	05/03/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2518113
Chloride	6430	100	5	05/02/25	05/02/25	



## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
5/7/2025 10:45:18AM

FS16-4'

E505013-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2518104
Benzene	ND	0.0250	1	05/02/25	05/03/25	
Ethylbenzene	ND	0.0250	1	05/02/25	05/03/25	
Toluene	ND	0.0250	1	05/02/25	05/03/25	
o-Xylene	ND	0.0250	1	05/02/25	05/03/25	
p,m-Xylene	ND	0.0500	1	05/02/25	05/03/25	
Total Xylenes	ND	0.0250	1	05/02/25	05/03/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.1 %	70-130		05/02/25	05/03/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2518104
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/02/25	05/03/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.4 %	70-130		05/02/25	05/03/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KH		Batch: 2518101
Diesel Range Organics (C10-C28)	ND	25.0	1	05/02/25	05/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/02/25	05/03/25	
<i>Surrogate: n-Nonane</i>						
	96.0 %	61-141		05/02/25	05/03/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2518113
Chloride	2840	40.0	2	05/02/25	05/02/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TGR Pipeline Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 5/7/2025 10:45:18AM
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SW14-0-4'  
E505013-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2518104	
Benzene	ND	0.0250	1	05/02/25	05/03/25	
Ethylbenzene	ND	0.0250	1	05/02/25	05/03/25	
Toluene	ND	0.0250	1	05/02/25	05/03/25	
o-Xylene	ND	0.0250	1	05/02/25	05/03/25	
p,m-Xylene	ND	0.0500	1	05/02/25	05/03/25	
Total Xylenes	ND	0.0250	1	05/02/25	05/03/25	
Surrogate: 4-Bromochlorobenzene-PID	89.8 %	70-130		05/02/25	05/03/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2518104	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/02/25	05/03/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	94.5 %	70-130		05/02/25	05/03/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KH		Batch: 2518101	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/02/25	05/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/02/25	05/03/25	
Surrogate: n-Nonane	90.9 %	61-141		05/02/25	05/03/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2518113	
Chloride	262	20.0	1	05/02/25	05/02/25	



## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
5/7/2025 10:45:18AM

SW15-0-4'

E505013-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2518104
Benzene	ND	0.0250	1	05/02/25	05/03/25	
Ethylbenzene	ND	0.0250	1	05/02/25	05/03/25	
Toluene	ND	0.0250	1	05/02/25	05/03/25	
o-Xylene	ND	0.0250	1	05/02/25	05/03/25	
p,m-Xylene	ND	0.0500	1	05/02/25	05/03/25	
Total Xylenes	ND	0.0250	1	05/02/25	05/03/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.9 %	70-130		05/02/25	05/03/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2518104
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/02/25	05/03/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.0 %	70-130		05/02/25	05/03/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KH		Batch: 2518101
Diesel Range Organics (C10-C28)	ND	25.0	1	05/02/25	05/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/02/25	05/03/25	
<i>Surrogate: n-Nonane</i>						
	93.3 %	61-141		05/02/25	05/03/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2518113
Chloride	185	20.0	1	05/02/25	05/02/25	



## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
5/7/2025 10:45:18AM

SW16-0-4'

E505013-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2518104	
Benzene	ND	0.0250	1	05/02/25	05/03/25	
Ethylbenzene	ND	0.0250	1	05/02/25	05/03/25	
Toluene	ND	0.0250	1	05/02/25	05/03/25	
o-Xylene	ND	0.0250	1	05/02/25	05/03/25	
p,m-Xylene	ND	0.0500	1	05/02/25	05/03/25	
Total Xylenes	ND	0.0250	1	05/02/25	05/03/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.8 %	70-130		05/02/25	05/03/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2518104	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/02/25	05/03/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.1 %	70-130		05/02/25	05/03/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KH		Batch: 2518101	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/02/25	05/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/02/25	05/03/25	
<i>Surrogate: n-Nonane</i>						
	96.5 %	61-141		05/02/25	05/03/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2518113	
Chloride	ND	20.0	1	05/02/25	05/02/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TGR Pipeline Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 5/7/2025 10:45:18AM
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SW25-0-4'  
E505013-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2518104	
Benzene	ND	0.0250	1	05/02/25	05/03/25	
Ethylbenzene	ND	0.0250	1	05/02/25	05/03/25	
Toluene	ND	0.0250	1	05/02/25	05/03/25	
o-Xylene	ND	0.0250	1	05/02/25	05/03/25	
p,m-Xylene	ND	0.0500	1	05/02/25	05/03/25	
Total Xylenes	ND	0.0250	1	05/02/25	05/03/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.1 %	70-130		05/02/25	05/03/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2518104	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/02/25	05/03/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.9 %	70-130		05/02/25	05/03/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KH		Batch: 2518101	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/02/25	05/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/02/25	05/03/25	
<i>Surrogate: n-Nonane</i>						
	94.3 %	61-141		05/02/25	05/03/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2518113	
Chloride	22.9	20.0	1	05/02/25	05/02/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TGR Pipeline Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 5/7/2025 10:45:18AM
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SW26-0-4'  
E505013-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2518104	
Benzene	ND	0.0250	1	05/02/25	05/03/25	
Ethylbenzene	ND	0.0250	1	05/02/25	05/03/25	
Toluene	ND	0.0250	1	05/02/25	05/03/25	
o-Xylene	ND	0.0250	1	05/02/25	05/03/25	
p,m-Xylene	ND	0.0500	1	05/02/25	05/03/25	
Total Xylenes	ND	0.0250	1	05/02/25	05/03/25	
Surrogate: 4-Bromochlorobenzene-PID	90.3 %	70-130		05/02/25	05/03/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2518104	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/02/25	05/03/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	93.6 %	70-130		05/02/25	05/03/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KH		Batch: 2518101	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/02/25	05/03/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/02/25	05/03/25	
Surrogate: n-Nonane	93.9 %	61-141		05/02/25	05/03/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2518113	
Chloride	195	20.0	1	05/02/25	05/02/25	





QC Summary Data

Devon Energy - Carlsbad	Project Name:	TGR Pipeline Spill	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	5/7/2025 10:45:18AM

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 (2518104-BLK1) Prepared: 05/02/25 Analyzed: 05/02/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	6.97		8.00		87.1	70-130			

LCS (2518104-BS1) Prepared: 05/02/25 Analyzed: 05/02/25

Benzene	4.76	0.0250	5.00		95.3	70-130			
Ethylbenzene	4.68	0.0250	5.00		93.5	70-130			
Toluene	4.73	0.0250	5.00		94.5	70-130			
o-Xylene	4.62	0.0250	5.00		92.5	70-130			
p,m-Xylene	9.43	0.0500	10.0		94.3	70-130			
Total Xylenes	14.1	0.0250	15.0		93.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	6.97		8.00		87.1	70-130			

Matrix Spike (2518104-MS1) Source: E505013-04 Prepared: 05/02/25 Analyzed: 05/02/25

Benzene	5.38	0.0250	5.00	ND	108	70-130			
Ethylbenzene	5.28	0.0250	5.00	ND	106	70-130			
Toluene	5.34	0.0250	5.00	ND	107	70-130			
o-Xylene	5.21	0.0250	5.00	ND	104	70-130			
p,m-Xylene	10.6	0.0500	10.0	ND	106	70-130			
Total Xylenes	15.8	0.0250	15.0	ND	106	70-130			
Surrogate: 4-Bromochlorobenzene-PID	6.84		8.00		85.5	70-130			

Matrix Spike Dup (2518104-MSD1) Source: E505013-04 Prepared: 05/02/25 Analyzed: 05/02/25

Benzene	5.49	0.0250	5.00	ND	110	70-130	1.94	27	
Ethylbenzene	5.39	0.0250	5.00	ND	108	70-130	2.04	26	
Toluene	5.46	0.0250	5.00	ND	109	70-130	2.13	20	
o-Xylene	5.34	0.0250	5.00	ND	107	70-130	2.57	25	
p,m-Xylene	10.9	0.0500	10.0	ND	109	70-130	2.11	23	
Total Xylenes	16.2	0.0250	15.0	ND	108	70-130	2.26	26	
Surrogate: 4-Bromochlorobenzene-PID	7.02		8.00		87.8	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	TGR Pipeline Spill	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	5/7/2025 10:45:18AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2518104-BLK1) Prepared: 05/02/25 Analyzed: 05/02/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.61		8.00		95.2	70-130			

LCS (2518104-BS2) Prepared: 05/02/25 Analyzed: 05/02/25

Gasoline Range Organics (C6-C10)	43.2	20.0	50.0		86.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.68		8.00		96.0	70-130			

Matrix Spike (2518104-MS2) Source: E505013-04 Prepared: 05/02/25 Analyzed: 05/02/25

Gasoline Range Organics (C6-C10)	42.7	20.0	50.0	ND	85.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.63		8.00		95.3	70-130			

Matrix Spike Dup (2518104-MSD2) Source: E505013-04 Prepared: 05/02/25 Analyzed: 05/02/25

Gasoline Range Organics (C6-C10)	43.4	20.0	50.0	ND	86.8	70-130	1.68	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.68		8.00		95.9	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	TGR Pipeline Spill	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	5/7/2025 10:45:18AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2518101-BLK1)					Prepared: 05/02/25 Analyzed: 05/02/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	46.3		50.0		92.6	61-141			

LCS (2518101-BS1)					Prepared: 05/02/25 Analyzed: 05/02/25				
Diesel Range Organics (C10-C28)	249	25.0	250		99.6	66-144			
Surrogate: n-Nonane	47.1		50.0		94.2	61-141			

Matrix Spike (2518101-MS1)					Source: E505013-03		Prepared: 05/02/25 Analyzed: 05/02/25		
Diesel Range Organics (C10-C28)	254	25.0	250	ND	102	56-156			
Surrogate: n-Nonane	46.6		50.0		93.2	61-141			

Matrix Spike Dup (2518101-MSD1)					Source: E505013-03		Prepared: 05/02/25 Analyzed: 05/02/25		
Diesel Range Organics (C10-C28)	255	25.0	250	ND	102	56-156	0.496	20	
Surrogate: n-Nonane	45.4		50.0		90.9	61-141			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	TGR Pipeline Spill	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	5/7/2025 10:45:18AM

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2518113-BLK1)					Prepared: 05/02/25 Analyzed: 05/02/25				
Chloride	ND	20.0							
LCS (2518113-BS1)					Prepared: 05/02/25 Analyzed: 05/02/25				
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2518113-MS1)					Source: E505013-03		Prepared: 05/02/25 Analyzed: 05/02/25		
Chloride	1860	20.0	250	1640	88.3	80-120			
Matrix Spike Dup (2518113-MSD1)					Source: E505013-03		Prepared: 05/02/25 Analyzed: 05/02/25		
Chloride	1840	20.0	250	1640	82.8	80-120	0.741	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:	TGR Pipeline Spill	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	05/07/25 10:45

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

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

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



Client Information				Invoice Information		Lab Use Only		TAT		State										
Client: Devon				Company: Devon Energy		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX					
Project: TGR Pipeline Spill				Address: 5315 Buena Vista Dr		E 505013	01058-0007				x	x								
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220																
Address: 3122 National Parks Hwy				Phone: (575)689-7597																
City, State, Zip: Carlsbad NM, 88220				Email: jim.raley@dvn.com																
Phone: 575-988-0055				Miscellaneous: Jim Raley																
Email: agiovengo@ensolum.com																				
Sample Information						Analysis and Method								EPA Program						
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA		
																	Compliance	Y	or	N
																	PWSID #			
																	Sample Temp			Remarks
1115	4/30/2025	Soil	1	FS01-41		1								x			4.1			
1115	4/30/2025	Soil	1	02		2								x			3.7			
1119	4/30/2025	Soil	1	03		3								x			3.4			
1116	4/30/2025	Soil	1	04		4								x			3.6			
1116	4/30/2025	Soil	1	05		5								x			3.3			
1117	4/30/2025	Soil	1	07		6								x			3.2			
1118	4/30/2025	Soil	1	10		7								x			2.8			
1120	4/30/2025	Soil	1	14		8								x			3.4			
1129	4/30/2025	Soil	1	16		9								x			4.3			
	4/30/2025	Soil	1			10								x						
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@dvn.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com																				
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																				
Sampled by: Israel Estrella																				
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days.  Lab Use Only Received on ice: <u>Y</u> N								
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time										
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time										
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time										
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time										
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																				
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																				
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																				



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



## Envirotech Analytical Laboratory

Printed: 5/2/2025 8:58:09AM

## 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:	05/02/25 07:00	Work Order ID:	E505013
Phone:	(505) 382-1211	Date Logged In:	05/01/25 15:39	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	05/08/25 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:

Ashley Giovengo



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Devon Energy - Carlsbad

Project Name: TGR Pipeline Spill

Work Order: E505031

Job Number: 01058-007

Received: 5/5/2025

Revision: 2

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
5/13/25

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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

Date Reported: 5/13/25



Ashley Giovengo  
6488 7 Rivers Hwy  
Artesia, NM 88210

Project Name: TGR Pipeline Spill  
Workorder: E505031  
Date Received: 5/5/2025 7:45:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/5/2025 7:45:00AM, under the Project Name: TGR Pipeline Spill.

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

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

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

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

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

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

Field Offices:

**Southern New Mexico Area**

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

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

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

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## Sample Summary

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TGR Pipeline Spill Project Number: 01058-007 Project Manager: Ashley Giovengo	Reported: 05/13/25 10:13
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS11-4'	E505031-01A	Soil	05/01/25	05/05/25	Glass Jar, 2 oz.
FS12-4'	E505031-02A	Soil	05/01/25	05/05/25	Glass Jar, 2 oz.
FS13-4'	E505031-03A	Soil	05/01/25	05/05/25	Glass Jar, 2 oz.
FS19-4'	E505031-04A	Soil	05/01/25	05/05/25	Glass Jar, 2 oz.
FS20-4'	E505031-05A	Soil	05/01/25	05/05/25	Glass Jar, 2 oz.
FS21-4'	E505031-06A	Soil	05/01/25	05/05/25	Glass Jar, 2 oz.
FS22-4'	E505031-07A	Soil	05/01/25	05/05/25	Glass Jar, 2 oz.
FS26-4'	E505031-08A	Soil	05/01/25	05/05/25	Glass Jar, 2 oz.
SW30-4'	E505031-09A	Soil	05/01/25	05/05/25	Glass Jar, 2 oz.
FS32-4'	E505031-10A	Soil	05/01/25	05/05/25	Glass Jar, 2 oz.
FS34-4'	E505031-11A	Soil	05/01/25	05/05/25	Glass Jar, 2 oz.
FS35-4'	E505031-12A	Soil	05/01/25	05/05/25	Glass Jar, 2 oz.
FS27-4'	E505031-13A	Soil	05/01/25	05/05/25	Glass Jar, 2 oz.
FS62-4'	E505031-14A	Soil	05/01/25	05/05/25	Glass Jar, 2 oz.
FS63-4'	E505031-15A	Soil	05/01/25	05/05/25	Glass Jar, 2 oz.
FS64-4'	E505031-16A	Soil	05/01/25	05/05/25	Glass Jar, 2 oz.
FS68-4'	E505031-17A	Soil	05/01/25	05/05/25	Glass Jar, 2 oz.
FS69-4'	E505031-18A	Soil	05/01/25	05/05/25	Glass Jar, 2 oz.
FS71-4'	E505031-19A	Soil	05/01/25	05/05/25	Glass Jar, 2 oz.



## Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TGR Pipeline Spill Project Number: 01058-007 Project Manager: Ashley Giovengo	<b>Reported:</b> 5/13/2025 10:13:29AM
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**FS11-4'**

**E505031-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2519018	
Benzene	ND	0.0250	1	05/05/25	05/07/25	
Ethylbenzene	ND	0.0250	1	05/05/25	05/07/25	
Toluene	ND	0.0250	1	05/05/25	05/07/25	
o-Xylene	ND	0.0250	1	05/05/25	05/07/25	
p,m-Xylene	ND	0.0500	1	05/05/25	05/07/25	
Total Xylenes	ND	0.0250	1	05/05/25	05/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		106 %	70-130	05/05/25	05/07/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2519018	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/05/25	05/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		83.9 %	70-130	05/05/25	05/07/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2519027	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/05/25	05/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/05/25	05/06/25	
<i>Surrogate: n-Nonane</i>		97.9 %	61-141	05/05/25	05/06/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: JM		Batch: 2519028	
Chloride	1430	20.0	1	05/05/25	05/05/25	





Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TGR Pipeline Spill Project Number: 01058-007 Project Manager: Ashley Giovengo	Reported: 5/13/2025 10:13:29AM
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FS12-4'

E505031-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2519018	
Benzene	ND	0.0250	1	05/05/25	05/07/25	
Ethylbenzene	ND	0.0250	1	05/05/25	05/07/25	
Toluene	ND	0.0250	1	05/05/25	05/07/25	
o-Xylene	ND	0.0250	1	05/05/25	05/07/25	
p,m-Xylene	ND	0.0500	1	05/05/25	05/07/25	
Total Xylenes	ND	0.0250	1	05/05/25	05/07/25	
Surrogate: 4-Bromochlorobenzene-PID	101 %	70-130		05/05/25	05/07/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2519018	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/05/25	05/07/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	82.9 %	70-130		05/05/25	05/07/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2519027	
Diesel Range Organics (C10-C28)	52.6	25.0	1	05/05/25	05/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/05/25	05/06/25	
Surrogate: n-Nonane	94.2 %	61-141		05/05/25	05/06/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: JM		Batch: 2519028	
Chloride	1380	20.0	1	05/05/25	05/05/25	



## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-007  
Project Manager: Ashley Giovengo

**Reported:**  
5/13/2025 10:13:29AM

FS13-4'

E505031-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2519018
Benzene	ND	0.0250	1	05/05/25	05/07/25	
Ethylbenzene	ND	0.0250	1	05/05/25	05/07/25	
Toluene	ND	0.0250	1	05/05/25	05/07/25	
o-Xylene	ND	0.0250	1	05/05/25	05/07/25	
p,m-Xylene	ND	0.0500	1	05/05/25	05/07/25	
Total Xylenes	ND	0.0250	1	05/05/25	05/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		107 %	70-130	05/05/25	05/07/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2519018
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/05/25	05/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		83.6 %	70-130	05/05/25	05/07/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2519027
Diesel Range Organics (C10-C28)	ND	25.0	1	05/05/25	05/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/05/25	05/06/25	
<i>Surrogate: n-Nonane</i>						
		95.8 %	61-141	05/05/25	05/06/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: JM		Batch: 2519028
Chloride	13100	200	10	05/05/25	05/05/25	



## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-007  
Project Manager: Ashley Giovengo

**Reported:**  
5/13/2025 10:13:29AM

FS19-4'

E505031-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2519018
Benzene	ND	0.0250	1	05/05/25	05/07/25	
Ethylbenzene	ND	0.0250	1	05/05/25	05/07/25	
Toluene	ND	0.0250	1	05/05/25	05/07/25	
o-Xylene	ND	0.0250	1	05/05/25	05/07/25	
p,m-Xylene	ND	0.0500	1	05/05/25	05/07/25	
Total Xylenes	ND	0.0250	1	05/05/25	05/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		106 %	70-130	05/05/25	05/07/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2519018
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/05/25	05/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		83.3 %	70-130	05/05/25	05/07/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2519027
Diesel Range Organics (C10-C28)	ND	25.0	1	05/05/25	05/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/05/25	05/06/25	
<i>Surrogate: n-Nonane</i>						
		97.0 %	61-141	05/05/25	05/06/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: JM		Batch: 2519028
Chloride	7940	100	5	05/05/25	05/05/25	



## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-007  
Project Manager: Ashley Giovengo

**Reported:**  
5/13/2025 10:13:29AM

FS20-4'

E505031-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2519018
Benzene	ND	0.0250	1	05/05/25	05/07/25	
Ethylbenzene	ND	0.0250	1	05/05/25	05/07/25	
Toluene	ND	0.0250	1	05/05/25	05/07/25	
o-Xylene	ND	0.0250	1	05/05/25	05/07/25	
p,m-Xylene	ND	0.0500	1	05/05/25	05/07/25	
Total Xylenes	ND	0.0250	1	05/05/25	05/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		106 %	70-130	05/05/25	05/07/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2519018
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/05/25	05/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		83.3 %	70-130	05/05/25	05/07/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2519027
Diesel Range Organics (C10-C28)	ND	25.0	1	05/05/25	05/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/05/25	05/06/25	
<i>Surrogate: n-Nonane</i>						
		98.7 %	61-141	05/05/25	05/06/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: JM		Batch: 2519028
Chloride	7530	100	5	05/05/25	05/05/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TGR Pipeline Spill Project Number: 01058-007 Project Manager: Ashley Giovengo	Reported: 5/13/2025 10:13:29AM
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FS21-4'

E505031-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2519018	
Benzene	ND	0.0250	1	05/05/25	05/07/25	
Ethylbenzene	ND	0.0250	1	05/05/25	05/07/25	
Toluene	ND	0.0250	1	05/05/25	05/07/25	
o-Xylene	ND	0.0250	1	05/05/25	05/07/25	
p,m-Xylene	ND	0.0500	1	05/05/25	05/07/25	
Total Xylenes	ND	0.0250	1	05/05/25	05/07/25	
Surrogate: 4-Bromochlorobenzene-PID	104 %	70-130		05/05/25	05/07/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2519018	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/05/25	05/07/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	84.3 %	70-130		05/05/25	05/07/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2519027	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/05/25	05/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/05/25	05/06/25	
Surrogate: n-Nonane	98.9 %	61-141		05/05/25	05/06/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: JM		Batch: 2519028	
Chloride	4960	40.0	2	05/05/25	05/05/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TGR Pipeline Spill Project Number: 01058-007 Project Manager: Ashley Giovengo	Reported: 5/13/2025 10:13:29AM
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FS22-4'  
E505031-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2519018	
Benzene	ND	0.0250	1	05/05/25	05/07/25	
Ethylbenzene	ND	0.0250	1	05/05/25	05/07/25	
Toluene	ND	0.0250	1	05/05/25	05/07/25	
o-Xylene	ND	0.0250	1	05/05/25	05/07/25	
p,m-Xylene	ND	0.0500	1	05/05/25	05/07/25	
Total Xylenes	ND	0.0250	1	05/05/25	05/07/25	
Surrogate: 4-Bromochlorobenzene-PID	101 %	70-130		05/05/25	05/07/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2519018	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/05/25	05/07/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	86.1 %	70-130		05/05/25	05/07/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2519027	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/05/25	05/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/05/25	05/06/25	
Surrogate: n-Nonane	102 %	61-141		05/05/25	05/06/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: JM		Batch: 2519028	
Chloride	6800	100	5	05/05/25	05/05/25	



## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-007  
Project Manager: Ashley Giovengo

**Reported:**  
5/13/2025 10:13:29AM

FS26-4'

E505031-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2519018	
Benzene	ND	0.0250	1	05/05/25	05/07/25	
Ethylbenzene	<b>0.0267</b>	0.0250	1	05/05/25	05/07/25	
Toluene	ND	0.0250	1	05/05/25	05/07/25	
o-Xylene	ND	0.0250	1	05/05/25	05/07/25	
p,m-Xylene	ND	0.0500	1	05/05/25	05/07/25	
Total Xylenes	ND	0.0250	1	05/05/25	05/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	05/05/25	05/07/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2519018	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/05/25	05/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		82.3 %	70-130	05/05/25	05/07/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2519027	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/05/25	05/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/05/25	05/06/25	
<i>Surrogate: n-Nonane</i>		106 %	61-141	05/05/25	05/06/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: JM		Batch: 2519028	
Chloride	<b>12200</b>	200	10	05/05/25	05/05/25	





## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-007  
Project Manager: Ashley Giovengo

**Reported:**  
5/13/2025 10:13:29AM

SW30-4'

E505031-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2519018
Benzene	ND	0.0250	1	05/05/25	05/07/25	
Ethylbenzene	ND	0.0250	1	05/05/25	05/07/25	
Toluene	ND	0.0250	1	05/05/25	05/07/25	
o-Xylene	ND	0.0250	1	05/05/25	05/07/25	
p,m-Xylene	ND	0.0500	1	05/05/25	05/07/25	
Total Xylenes	ND	0.0250	1	05/05/25	05/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		106 %	70-130	05/05/25	05/07/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2519018
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/05/25	05/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		78.3 %	70-130	05/05/25	05/07/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2519027
Diesel Range Organics (C10-C28)	ND	25.0	1	05/05/25	05/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/05/25	05/07/25	
<i>Surrogate: n-Nonane</i>						
		136 %	61-141	05/05/25	05/07/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: JM		Batch: 2519028
Chloride	328	20.0	1	05/05/25	05/05/25	



## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-007  
Project Manager: Ashley Giovengo

**Reported:**  
5/13/2025 10:13:29AM

FS32-4'

E505031-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2519018
Benzene	ND	0.0250	1	05/05/25	05/07/25	
Ethylbenzene	ND	0.0250	1	05/05/25	05/07/25	
Toluene	ND	0.0250	1	05/05/25	05/07/25	
o-Xylene	ND	0.0250	1	05/05/25	05/07/25	
p,m-Xylene	ND	0.0500	1	05/05/25	05/07/25	
Total Xylenes	ND	0.0250	1	05/05/25	05/07/25	
Surrogate: 4-Bromochlorobenzene-PID		105 %	70-130	05/05/25	05/07/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2519018
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/05/25	05/07/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		83.0 %	70-130	05/05/25	05/07/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2519027
Diesel Range Organics (C10-C28)	ND	25.0	1	05/05/25	05/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/05/25	05/07/25	
Surrogate: n-Nonane		119 %	61-141	05/05/25	05/07/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: JM		Batch: 2519028
Chloride	11200	200	10	05/05/25	05/05/25	



## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-007  
Project Manager: Ashley Giovengo

**Reported:**  
5/13/2025 10:13:29AM

FS34-4'

E505031-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2519018
Benzene	ND	0.0250	1	05/05/25	05/07/25	
Ethylbenzene	ND	0.0250	1	05/05/25	05/07/25	
Toluene	ND	0.0250	1	05/05/25	05/07/25	
o-Xylene	ND	0.0250	1	05/05/25	05/07/25	
p,m-Xylene	0.0508	0.0500	1	05/05/25	05/07/25	
Total Xylenes	0.0508	0.0250	1	05/05/25	05/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		107 %	70-130	05/05/25	05/07/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2519018
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/05/25	05/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		80.1 %	70-130	05/05/25	05/07/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2519027
Diesel Range Organics (C10-C28)	ND	25.0	1	05/05/25	05/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/05/25	05/07/25	
<i>Surrogate: n-Nonane</i>						
		97.3 %	61-141	05/05/25	05/07/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: JM		Batch: 2519028
Chloride	6840	100	5	05/05/25	05/05/25	



## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-007  
Project Manager: Ashley Giovengo

**Reported:**  
5/13/2025 10:13:29AM

FS35-4'

E505031-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2519018	
Benzene	ND	0.0250	1	05/05/25	05/07/25	
Ethylbenzene	ND	0.0250	1	05/05/25	05/07/25	
Toluene	ND	0.0250	1	05/05/25	05/07/25	
o-Xylene	ND	0.0250	1	05/05/25	05/07/25	
p,m-Xylene	ND	0.0500	1	05/05/25	05/07/25	
Total Xylenes	ND	0.0250	1	05/05/25	05/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		105 %	70-130	05/05/25	05/07/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2519018	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/05/25	05/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		83.6 %	70-130	05/05/25	05/07/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2519027	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/05/25	05/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/05/25	05/07/25	
<i>Surrogate: n-Nonane</i>		98.1 %	61-141	05/05/25	05/07/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: JM		Batch: 2519028	
Chloride	12500	200	10	05/05/25	05/05/25	



## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-007  
Project Manager: Ashley Giovengo

**Reported:**  
5/13/2025 10:13:29AM

FS27-4'

E505031-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2519018
Benzene	ND	0.0250	1	05/05/25	05/07/25	
Ethylbenzene	ND	0.0250	1	05/05/25	05/07/25	
Toluene	ND	0.0250	1	05/05/25	05/07/25	
o-Xylene	ND	0.0250	1	05/05/25	05/07/25	
p,m-Xylene	ND	0.0500	1	05/05/25	05/07/25	
Total Xylenes	ND	0.0250	1	05/05/25	05/07/25	
Surrogate: 4-Bromochlorobenzene-PID		105 %	70-130	05/05/25	05/07/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2519018
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/05/25	05/07/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		80.7 %	70-130	05/05/25	05/07/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2519027
Diesel Range Organics (C10-C28)	ND	25.0	1	05/05/25	05/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/05/25	05/07/25	
Surrogate: n-Nonane		95.8 %	61-141	05/05/25	05/07/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: JM		Batch: 2519028
Chloride	8010	200	10	05/05/25	05/05/25	



## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-007  
Project Manager: Ashley Giovengo

**Reported:**  
5/13/2025 10:13:29AM

FS62-4'

E505031-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2519018	
Benzene	ND	0.0250	1	05/05/25	05/07/25	
Ethylbenzene	ND	0.0250	1	05/05/25	05/07/25	
Toluene	ND	0.0250	1	05/05/25	05/07/25	
o-Xylene	ND	0.0250	1	05/05/25	05/07/25	
p,m-Xylene	ND	0.0500	1	05/05/25	05/07/25	
Total Xylenes	ND	0.0250	1	05/05/25	05/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.5 %	70-130		05/05/25	05/07/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: BA		Batch: 2519018	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/05/25	05/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	86.2 %	70-130		05/05/25	05/07/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: NV		Batch: 2519027	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/05/25	05/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/05/25	05/07/25	
<i>Surrogate: n-Nonane</i>						
	92.5 %	61-141		05/05/25	05/07/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: JM		Batch: 2519028	
Chloride	4130	40.0	2	05/05/25	05/05/25	



## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-007  
Project Manager: Ashley Giovengo

**Reported:**  
5/13/2025 10:13:29AM

FS63-4'

E505031-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2519018
Benzene	ND	0.0250	1	05/05/25	05/07/25	
Ethylbenzene	0.0609	0.0250	1	05/05/25	05/07/25	
Toluene	ND	0.0250	1	05/05/25	05/07/25	
o-Xylene	0.0752	0.0250	1	05/05/25	05/07/25	
p,m-Xylene	0.0766	0.0500	1	05/05/25	05/07/25	
Total Xylenes	0.152	0.0250	1	05/05/25	05/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	05/05/25	05/07/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2519018
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/05/25	05/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		81.0 %	70-130	05/05/25	05/07/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2519027
Diesel Range Organics (C10-C28)	ND	25.0	1	05/05/25	05/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/05/25	05/07/25	
<i>Surrogate: n-Nonane</i>						
		96.6 %	61-141	05/05/25	05/07/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: JM		Batch: 2519028
Chloride	1440	20.0	1	05/05/25	05/05/25	





## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-007  
Project Manager: Ashley Giovengo

**Reported:**  
5/13/2025 10:13:29AM

FS64-4'

E505031-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2519018
Benzene	ND	0.0250	1	05/05/25	05/07/25	
Ethylbenzene	<b>0.0266</b>	0.0250	1	05/05/25	05/07/25	
Toluene	ND	0.0250	1	05/05/25	05/07/25	
o-Xylene	ND	0.0250	1	05/05/25	05/07/25	
p,m-Xylene	ND	0.0500	1	05/05/25	05/07/25	
Total Xylenes	ND	0.0250	1	05/05/25	05/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		107 %	70-130	05/05/25	05/07/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2519018
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/05/25	05/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		81.3 %	70-130	05/05/25	05/07/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2519027
Diesel Range Organics (C10-C28)	ND	25.0	1	05/05/25	05/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/05/25	05/07/25	
<i>Surrogate: n-Nonane</i>						
		96.1 %	61-141	05/05/25	05/07/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: JM		Batch: 2519028
Chloride	<b>2980</b>	40.0	2	05/05/25	05/05/25	



## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-007  
Project Manager: Ashley Giovengo

**Reported:**  
5/13/2025 10:13:29AM

FS68-4'

E505031-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2519018
Benzene	ND	0.0250	1	05/05/25	05/07/25	
Ethylbenzene	ND	0.0250	1	05/05/25	05/07/25	
Toluene	ND	0.0250	1	05/05/25	05/07/25	
o-Xylene	<b>0.0456</b>	0.0250	1	05/05/25	05/07/25	
p,m-Xylene	<b>0.0763</b>	0.0500	1	05/05/25	05/07/25	
Total Xylenes	<b>0.122</b>	0.0250	1	05/05/25	05/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		108 %	70-130	05/05/25	05/07/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2519018
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/05/25	05/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		80.6 %	70-130	05/05/25	05/07/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2519027
Diesel Range Organics (C10-C28)	ND	25.0	1	05/05/25	05/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/05/25	05/07/25	
<i>Surrogate: n-Nonane</i>						
		124 %	61-141	05/05/25	05/07/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: JM		Batch: 2519028
Chloride	<b>3050</b>	40.0	2	05/05/25	05/05/25	



## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-007  
Project Manager: Ashley Giovengo

**Reported:**  
5/13/2025 10:13:29AM

FS69-4'

E505031-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2519018
Benzene	ND	0.0250	1	05/05/25	05/07/25	
Ethylbenzene	<b>0.0343</b>	0.0250	1	05/05/25	05/07/25	
Toluene	ND	0.0250	1	05/05/25	05/07/25	
o-Xylene	<b>0.0257</b>	0.0250	1	05/05/25	05/07/25	
p,m-Xylene	ND	0.0500	1	05/05/25	05/07/25	
Total Xylenes	<b>0.0257</b>	0.0250	1	05/05/25	05/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	05/05/25	05/07/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2519018
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/05/25	05/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		83.0 %	70-130	05/05/25	05/07/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2519027
Diesel Range Organics (C10-C28)	ND	25.0	1	05/05/25	05/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/05/25	05/07/25	
<i>Surrogate: n-Nonane</i>						
		104 %	61-141	05/05/25	05/07/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: JM		Batch: 2519028
Chloride	<b>1020</b>	20.0	1	05/05/25	05/06/25	



## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-007  
Project Manager: Ashley Giovengo

**Reported:**  
5/13/2025 10:13:29AM

FS71-4'

E505031-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2519018
Benzene	0.0437	0.0250	1	05/05/25	05/07/25	
Ethylbenzene	ND	0.0250	1	05/05/25	05/07/25	
Toluene	ND	0.0250	1	05/05/25	05/07/25	
o-Xylene	ND	0.0250	1	05/05/25	05/07/25	
p,m-Xylene	ND	0.0500	1	05/05/25	05/07/25	
Total Xylenes	ND	0.0250	1	05/05/25	05/07/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	05/05/25	05/07/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2519018
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/05/25	05/07/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		87.4 %	70-130	05/05/25	05/07/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2519027
Diesel Range Organics (C10-C28)	ND	25.0	1	05/05/25	05/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/05/25	05/07/25	
<i>Surrogate: n-Nonane</i>						
		97.4 %	61-141	05/05/25	05/07/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: JM		Batch: 2519028
Chloride	5610	100	5	05/05/25	05/06/25	



## QC Summary Data

Devon Energy - Carlsbad	Project Name:	TGR Pipeline Spill	Reported:
6488 7 Rivers Hwy	Project Number:	01058-007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	5/13/2025 10:13:29AM

## Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2519018-BLK1)

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

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	8.28		8.00		103	70-130			

## LCS (2519018-BS1)

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

Benzene	5.13	0.0250	5.00		103	70-130			
Ethylbenzene	5.15	0.0250	5.00		103	70-130			
Toluene	5.11	0.0250	5.00		102	70-130			
o-Xylene	5.11	0.0250	5.00		102	70-130			
p,m-Xylene	9.98	0.0500	10.0		99.8	70-130			
Total Xylenes	15.1	0.0250	15.0		101	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.67		8.00		108	70-130			

## Matrix Spike (2519018-MS1)

Source: E505031-03

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

Benzene	5.20	0.0250	5.00	ND	104	70-130			
Ethylbenzene	5.21	0.0250	5.00	ND	104	70-130			
Toluene	5.17	0.0250	5.00	ND	103	70-130			
o-Xylene	5.17	0.0250	5.00	ND	103	70-130			
p,m-Xylene	10.1	0.0500	10.0	ND	101	70-130			
Total Xylenes	15.3	0.0250	15.0	ND	102	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.41		8.00		105	70-130			

## Matrix Spike Dup (2519018-MSD1)

Source: E505031-03

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

Benzene	4.80	0.0250	5.00	ND	95.9	70-130	8.15	27	
Ethylbenzene	4.81	0.0250	5.00	ND	96.2	70-130	7.94	26	
Toluene	4.78	0.0250	5.00	ND	95.7	70-130	7.67	20	
o-Xylene	4.76	0.0250	5.00	ND	95.2	70-130	8.24	25	
p,m-Xylene	9.35	0.0500	10.0	ND	93.5	70-130	7.99	23	
Total Xylenes	14.1	0.0250	15.0	ND	94.1	70-130	8.07	26	
Surrogate: 4-Bromochlorobenzene-PID	8.27		8.00		103	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	TGR Pipeline Spill	Reported:
6488 7 Rivers Hwy	Project Number:	01058-007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	5/13/2025 10:13:29AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2519018-BLK1) Prepared: 05/05/25 Analyzed: 05/07/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.17		8.00		77.1	70-130			

LCS (2519018-BS2) Prepared: 05/05/25 Analyzed: 05/07/25

Gasoline Range Organics (C6-C10)	49.7	20.0	50.0		99.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.81		8.00		85.1	70-130			

Matrix Spike (2519018-MS2) Source: E505031-03 Prepared: 05/05/25 Analyzed: 05/07/25

Gasoline Range Organics (C6-C10)	49.8	20.0	50.0	ND	99.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.56		8.00		82.0	70-130			

Matrix Spike Dup (2519018-MSD2) Source: E505031-03 Prepared: 05/05/25 Analyzed: 05/07/25

Gasoline Range Organics (C6-C10)	49.5	20.0	50.0	ND	99.0	70-130	0.550	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.57		8.00		82.1	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	TGR Pipeline Spill	Reported:
6488 7 Rivers Hwy	Project Number:	01058-007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	5/13/2025 10:13:29AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2519027-BLK1)					Prepared: 05/05/25 Analyzed: 05/06/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	48.6		50.0		97.2	61-141			

LCS (2519027-BS1)					Prepared: 05/05/25 Analyzed: 05/06/25				
Diesel Range Organics (C10-C28)	260	25.0	250		104	66-144			
Surrogate: n-Nonane	47.1		50.0		94.3	61-141			

Matrix Spike (2519027-MS1)					Source: E505031-05		Prepared: 05/05/25 Analyzed: 05/06/25		
Diesel Range Organics (C10-C28)	271	25.0	250	ND	108	56-156			
Surrogate: n-Nonane	49.8		50.0		99.7	61-141			

Matrix Spike Dup (2519027-MSD1)					Source: E505031-05		Prepared: 05/05/25 Analyzed: 05/06/25		
Diesel Range Organics (C10-C28)	268	25.0	250	ND	107	56-156	1.12	20	
Surrogate: n-Nonane	49.1		50.0		98.2	61-141			





QC Summary Data

Devon Energy - Carlsbad	Project Name:	TGR Pipeline Spill	Reported:
6488 7 Rivers Hwy	Project Number:	01058-007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	5/13/2025 10:13:29AM

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 (2519028-BLK1)					Prepared: 05/05/25 Analyzed: 05/05/25				
Chloride	ND	20.0							
LCS (2519028-BS1)					Prepared: 05/05/25 Analyzed: 05/05/25				
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2519028-MS1)					Source: E505031-01		Prepared: 05/05/25 Analyzed: 05/05/25		
Chloride	2050	20.0	250	1430	246	80-120			
Matrix Spike Dup (2519028-MSD1)					Source: E505031-01		Prepared: 05/05/25 Analyzed: 05/05/25		
Chloride	1850	20.0	250	1430	166	80-120	10.2	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:	TGR Pipeline Spill	
6488 7 Rivers Hwy	Project Number:	01058-007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	05/13/25 10:13

- 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.

WD # 1093068701

## Chain of Custody

Client Information				Invoice Information		Lab Use Only		TAT				State						
Client: Devon				Company: Devon Energy		Lab WO#		1D 2D 3D Std				NM CO UT TX						
Project: TGR Pipeline Spill				Address: 5315 Buena Vista Dr		E505031		Job Number				01058-0007						
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220								x						
Address: 3122 National Parks Hwy				Phone: (575)689-7597														
City, State, Zip: Carlsbad NM, 88220				Email: jim.raley@dnv.com														
Phone: 575-988-0055				Miscellaneous: Jim Raley														
Email: agiovengo@ensolum.com																		
Sample Information						Analysis and Method								EPA Program				
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA
1013	5/1/2025	Soil	1	FS11-41		1								x				
1012	5/1/2025	Soil	1	12		2								x				
1010	5/1/2025	Soil	1	13		3								x				
1012	5/1/2025	Soil	1	19		4								x				
1008	5/1/2025	Soil	1	20		5								x				
1011	5/1/2025	Soil	1	21		6								x				
1010	5/1/2025	Soil	1	22		7								x				
1009	5/1/2025	Soil	1	26		8								x				
1207	5/1/2025	Soil	1	30		9								x				
1007	5/1/2025	Soil	1	32		10								x				
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@dnv.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com																		
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																		
Sampled by: Israel Estrella																		
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days.										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Received on ice: <input checked="" type="checkbox"/> 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.																		



WO # 1093068701

## Chain of Custody

Client Information					Invoice Information			Lab Use Only				TAT				State			
Client: Devon					Company: Devon Energy			Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX
Project: TGR Pipeline Spill					Address: 5315 Buena Vista Dr			E505031		D0580051					X	X			
Project Manager: Ashley Giovengo					City, State, Zip: Carlsbad NM, 88220														
Address: 3122 National Parks Hwy					Phone: (575)689-7597														
City, State, Zip: Carlsbad NM, 88220					Email: jim.raley@dnv.com														
Phone: 575-988-0055					Miscellaneous: Jim Raley														
Email: agiovengo@ensolum.com																			
Sample Information					Analysis and Method												EPA Program		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA	
1006	5/1/2025	Soil	1	F539-4'		11								X					
1005	5/1/2025	Soil	1	35		12								X					
1008	5/1/2025	Soil	1	37		13								X					
1004	5/1/2025	Soil	1	62		14								X					
1007	5/1/2025	Soil	1	63		15								X					
1003	5/1/2025	Soil	1	64		16								X					
1006	5/1/2025	Soil	1	65		17								X					
1002	5/1/2025	Soil	1	68		18								X					
1005	5/1/2025	Soil	1	69		19								X					
1004	5/1/2025	Soil	1	71		20								X					
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@dnv.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com																			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																			
Sampled by: Israel Estrella																			
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: Y/N							
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																			
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																			
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			

## Envirotech Analytical Laboratory

Printed: 5/5/2025 9:30:58AM

## 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:	05/05/25 07:45	Work Order ID:	E505031
Phone:	(505) 382-1211	Date Logged In:	05/02/25 16:36	Logged In By:	Noe Soto
Email:	agiovento@ensolum.com	Due Date:	05/09/25 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/Resolution

Project TGR Pipeline Spill has been separated into 2 reports, WOs are E505031-E505032

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.



WO # 1093068701

## Chain of Custody

Page 1 of 4

Client Information				Invoice Information		Lab Use Only		TAT		State										
Client: Devon				Company: Devon Energy		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX					
Project: TGR Pipeline Spill				Address: 5315 Buena Vista Dr		E505031	01059-0007				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@envirotech.com																
Phone: 575-988-0055				Miscellaneous: Jim Raley																
Email: agiovento@ensolum.com																				
Sample Information						Analysis and Method						EPA Program								
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO 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 #			
																	Sample Temp			Remarks
1013	5/1/2025	Soil	1	FS11-41		1								x			2.8			Corrected
1012	5/1/2025	Soil	1	12		2								x			2.5			Sample
1010	5/1/2025	Soil	1	13		3								x			3.6			names
1012	5/1/2025	Soil	1	19		4								x			3.2			per client
1008	5/1/2025	Soil	1	20		5								x			3.0			5/13/25 CML
1011	5/1/2025	Soil	1	21		6								x			1.8			
1010	5/1/2025	Soil	1	22		7								x			2.0			
1009	5/1/2025	Soil	1	26		8								x			2.9			
1207	5/1/2025	Soil	1	SW 30-41		9								x			3.2			
1007	5/1/2025	Soil	1	32		10								x			3.4			
Additional Instructions: Please CC: cburton@ensolum.com, agiovento@ensolum.com, jim.raley@envirotech.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com																				
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																				
Sampled by: Israel Estrella																				
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N								
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time										
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time										
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time										
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time										
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																				
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																				
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																				



WO # 1093068701

## Chain of Custody

Page 2 of 4

Client Information				Invoice Information		Lab Use Only		TAT		State										
Client: Devon				Company: Devon Energy		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX					
Project: TGR Pipeline Spill				Address: 5315 Buena Vista Dr		E-505031	00580057				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@envirotech.com																
Phone: 575-988-0055				Miscellaneous: Jim Raley																
Email: agiovengo@envirotech.com																				
Sample Information						Analysis and Method						EPA Program								
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA		
																	Compliance	Y	or	N
																	PWSID #			
																	Sample Temp			Remarks
1006	5/1/2025	Soil	1	FS34-4'		11								X			4.3			
1005	5/1/2025	Soil	1	35		12								X			4.0			
1008	5/1/2025	Soil	1	<del>37</del> FS27-4'		13								X			3.8			
1004	5/1/2025	Soil	1	62		14								X			3.6			
1007	5/1/2025	Soil	1	63		15								X			3.4			
1003	5/1/2025	Soil	1	64		16								X			2.8			
1006	5/1/2025	Soil	1	<del>65</del>		17								X			2.5			
1002	5/1/2025	Soil	1	68		18								X			2.2			
1005	5/1/2025	Soil	1	69		19								X			2.0			
1004	5/1/2025	Soil	1	71		20								X			2.4			
Additional Instructions: Please CC: cburton@envirotech.com, agiovengo@envirotech.com, jim.raley@envirotech.com, iestrella@envirotech.com, chamilton@envirotech.com, bmoir@envirotech.com																				
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																				
Sampled by: Israel Estrella																				
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N								
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time										
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time										
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time										
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time										
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																				
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																				
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																				



Report to:

Ashley Giovengo



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Devon Energy - Carlsbad

Project Name: TGR Pipeline Spill

Work Order: E505032

Job Number: 01058-007

Received: 5/5/2025

Revision: 2

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
5/13/25

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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

Date Reported: 5/13/25

Ashley Giovengo  
6488 7 Rivers Hwy  
Artesia, NM 88210



Project Name: TGR Pipeline Spill  
Workorder: E505032  
Date Received: 5/5/2025 7:45:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/5/2025 7:45:00AM, under the Project Name: TGR Pipeline Spill.

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

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

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

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

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

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

Field Offices:

**Southern New Mexico Area**

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

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

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

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## Sample Summary

Devon Energy - Carlsbad	Project Name:	TGR Pipeline Spill	Reported:
6488 7 Rivers Hwy	Project Number:	01058-007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	05/13/25 10:08

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS72-4'	E505032-01A	Soil	05/01/25	05/05/25	Glass Jar, 2 oz.
SW12-0-4'	E505032-02A	Soil	05/01/25	05/05/25	Glass Jar, 2 oz.
SW13-0-4'	E505032-03A	Soil	05/01/25	05/05/25	Glass Jar, 2 oz.
SW17-0-4'	E505032-04A	Soil	05/01/25	05/05/25	Glass Jar, 2 oz.
SW18-0-4'	E505032-05A	Soil	05/01/25	05/05/25	Glass Jar, 2 oz.
SW19-0-4'	E505032-06A	Soil	05/01/25	05/05/25	Glass Jar, 2 oz.
SW27-0-4'	E505032-07A	Soil	05/01/25	05/05/25	Glass Jar, 2 oz.
SW28-0-4'	E505032-08A	Soil	05/01/25	05/05/25	Glass Jar, 2 oz.
SW29-0-4'	E505032-09A	Soil	05/01/25	05/05/25	Glass Jar, 2 oz.
FS30-0-4'	E505032-10A	Soil	05/01/25	05/05/25	Glass Jar, 2 oz.
SW31-0-4'	E505032-11A	Soil	05/01/25	05/05/25	Glass Jar, 2 oz.
SW32-0-4'	E505032-12A	Soil	05/01/25	05/05/25	Glass Jar, 2 oz.
SW07-0-4'	E505032-13A	Soil	05/01/25	05/05/25	Glass Jar, 2 oz.



## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-007  
Project Manager: Ashley Giovengo

**Reported:**  
5/13/2025 10:08:55AM

**FS72-4'**

**E505032-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2519019	
Benzene	ND	0.0250	1	05/05/25	05/06/25	
Ethylbenzene	ND	0.0250	1	05/05/25	05/06/25	
Toluene	ND	0.0250	1	05/05/25	05/06/25	
o-Xylene	ND	0.0250	1	05/05/25	05/06/25	
p,m-Xylene	ND	0.0500	1	05/05/25	05/06/25	
Total Xylenes	ND	0.0250	1	05/05/25	05/06/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.8 %	70-130	05/05/25	05/06/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2519019	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/05/25	05/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		104 %	70-130	05/05/25	05/06/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2519042	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/06/25	05/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/06/25	05/06/25	
<i>Surrogate: n-Nonane</i>		93.8 %	61-141	05/06/25	05/06/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2519030	
Chloride	1820	20.0	1	05/05/25	05/06/25	



## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-007  
Project Manager: Ashley Giovengo

**Reported:**  
5/13/2025 10:08:55AM

SW12-0-4'

E505032-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2519019
Benzene	ND	0.0250	1	05/05/25	05/06/25	
Ethylbenzene	ND	0.0250	1	05/05/25	05/06/25	
Toluene	ND	0.0250	1	05/05/25	05/06/25	
o-Xylene	ND	0.0250	1	05/05/25	05/06/25	
p,m-Xylene	ND	0.0500	1	05/05/25	05/06/25	
Total Xylenes	ND	0.0250	1	05/05/25	05/06/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.9 %	70-130		05/05/25	05/06/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2519019
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/05/25	05/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	103 %	70-130		05/05/25	05/06/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2519042
Diesel Range Organics (C10-C28)	ND	25.0	1	05/06/25	05/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/06/25	05/06/25	
<i>Surrogate: n-Nonane</i>						
	94.9 %	61-141		05/06/25	05/06/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2519030
Chloride	46.3	20.0	1	05/05/25	05/06/25	



## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-007  
Project Manager: Ashley Giovengo

**Reported:**  
5/13/2025 10:08:55AM

SW13-0-4'

E505032-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2519019
Benzene	ND	0.0250	1	05/05/25	05/06/25	
Ethylbenzene	ND	0.0250	1	05/05/25	05/06/25	
Toluene	ND	0.0250	1	05/05/25	05/06/25	
o-Xylene	ND	0.0250	1	05/05/25	05/06/25	
p,m-Xylene	ND	0.0500	1	05/05/25	05/06/25	
Total Xylenes	ND	0.0250	1	05/05/25	05/06/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.4 %	70-130		05/05/25	05/06/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2519019
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/05/25	05/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	103 %	70-130		05/05/25	05/06/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2519042
Diesel Range Organics (C10-C28)	ND	25.0	1	05/06/25	05/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/06/25	05/07/25	
<i>Surrogate: n-Nonane</i>						
	97.7 %	61-141		05/06/25	05/07/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2519030
Chloride	98.7	20.0	1	05/05/25	05/06/25	





## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-007  
Project Manager: Ashley Giovengo

**Reported:**  
5/13/2025 10:08:55AM

SW17-0-4'

E505032-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2519019
Benzene	ND	0.0250	1	05/05/25	05/06/25	
Ethylbenzene	ND	0.0250	1	05/05/25	05/06/25	
Toluene	ND	0.0250	1	05/05/25	05/06/25	
o-Xylene	ND	0.0250	1	05/05/25	05/06/25	
p,m-Xylene	ND	0.0500	1	05/05/25	05/06/25	
Total Xylenes	ND	0.0250	1	05/05/25	05/06/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	05/05/25	05/06/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2519019
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/05/25	05/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		101 %	70-130	05/05/25	05/06/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2519042
Diesel Range Organics (C10-C28)	ND	25.0	1	05/06/25	05/06/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/06/25	05/06/25	
<i>Surrogate: n-Nonane</i>						
		96.7 %	61-141	05/06/25	05/06/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2519030
Chloride	ND	20.0	1	05/05/25	05/06/25	



## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-007  
Project Manager: Ashley Giovengo

**Reported:**  
5/13/2025 10:08:55AM

SW18-0-4'

E505032-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2519019
Benzene	ND	0.0250	1	05/05/25	05/06/25	
Ethylbenzene	ND	0.0250	1	05/05/25	05/06/25	
Toluene	ND	0.0250	1	05/05/25	05/06/25	
o-Xylene	ND	0.0250	1	05/05/25	05/06/25	
p,m-Xylene	ND	0.0500	1	05/05/25	05/06/25	
Total Xylenes	ND	0.0250	1	05/05/25	05/06/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	05/05/25	05/06/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2519019
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/05/25	05/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		101 %	70-130	05/05/25	05/06/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2519042
Diesel Range Organics (C10-C28)	ND	25.0	1	05/06/25	05/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/06/25	05/07/25	
<i>Surrogate: n-Nonane</i>						
		96.7 %	61-141	05/06/25	05/07/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2519030
Chloride	27.8	20.0	1	05/05/25	05/06/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TGR Pipeline Spill Project Number: 01058-007 Project Manager: Ashley Giovengo	Reported: 5/13/2025 10:08:55AM
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SW19-0-4'  
E505032-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2519019	
Benzene	ND	0.0250	1	05/05/25	05/06/25	
Ethylbenzene	ND	0.0250	1	05/05/25	05/06/25	
Toluene	ND	0.0250	1	05/05/25	05/06/25	
o-Xylene	ND	0.0250	1	05/05/25	05/06/25	
p,m-Xylene	ND	0.0500	1	05/05/25	05/06/25	
Total Xylenes	ND	0.0250	1	05/05/25	05/06/25	
Surrogate: 4-Bromochlorobenzene-PID	95.2 %	70-130		05/05/25	05/06/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2519019	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/05/25	05/06/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	107 %	70-130		05/05/25	05/06/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2519042	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/06/25	05/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/06/25	05/07/25	
Surrogate: n-Nonane	98.0 %	61-141		05/06/25	05/07/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2519030	
Chloride	62.7	20.0	1	05/05/25	05/06/25	



## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-007  
Project Manager: Ashley Giovengo

**Reported:**  
5/13/2025 10:08:55AM

SW27-0-4'

E505032-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2519019	
Benzene	ND	0.0250	1	05/05/25	05/06/25	
Ethylbenzene	ND	0.0250	1	05/05/25	05/06/25	
Toluene	ND	0.0250	1	05/05/25	05/06/25	
o-Xylene	ND	0.0250	1	05/05/25	05/06/25	
p,m-Xylene	ND	0.0500	1	05/05/25	05/06/25	
Total Xylenes	ND	0.0250	1	05/05/25	05/06/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	05/05/25	05/06/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2519019	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/05/25	05/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		102 %	70-130	05/05/25	05/06/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: NV		Batch: 2519042	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/06/25	05/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/06/25	05/07/25	
<i>Surrogate: n-Nonane</i>						
		96.6 %	61-141	05/06/25	05/07/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2519030	
Chloride	98.8	20.0	1	05/05/25	05/06/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TGR Pipeline Spill Project Number: 01058-007 Project Manager: Ashley Giovengo	Reported: 5/13/2025 10:08:55AM
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SW28-0-4'  
E505032-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2519019	
Benzene	ND	0.0250	1	05/05/25	05/06/25	
Ethylbenzene	ND	0.0250	1	05/05/25	05/06/25	
Toluene	ND	0.0250	1	05/05/25	05/06/25	
o-Xylene	ND	0.0250	1	05/05/25	05/06/25	
p,m-Xylene	ND	0.0500	1	05/05/25	05/06/25	
Total Xylenes	ND	0.0250	1	05/05/25	05/06/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.9 %	70-130		05/05/25	05/06/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2519019	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/05/25	05/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	103 %	70-130		05/05/25	05/06/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: NV		Batch: 2519042	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/06/25	05/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/06/25	05/07/25	
<i>Surrogate: n-Nonane</i>						
	100 %	61-141		05/06/25	05/07/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2519030	
Chloride	ND	20.0	1	05/05/25	05/06/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TGR Pipeline Spill Project Number: 01058-007 Project Manager: Ashley Giovengo	Reported: 5/13/2025 10:08:55AM
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SW29-0-4'  
E505032-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2519019	
Benzene	ND	0.0250	1	05/05/25	05/06/25	
Ethylbenzene	ND	0.0250	1	05/05/25	05/06/25	
Toluene	ND	0.0250	1	05/05/25	05/06/25	
o-Xylene	ND	0.0250	1	05/05/25	05/06/25	
p,m-Xylene	ND	0.0500	1	05/05/25	05/06/25	
Total Xylenes	ND	0.0250	1	05/05/25	05/06/25	
Surrogate: 4-Bromochlorobenzene-PID	100 %	70-130		05/05/25	05/06/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2519019	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/05/25	05/06/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID	99.1 %	70-130		05/05/25	05/06/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2519042	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/06/25	05/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/06/25	05/07/25	
Surrogate: n-Nonane	95.2 %	61-141		05/06/25	05/07/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2519030	
Chloride	ND	20.0	1	05/05/25	05/06/25	



## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-007  
Project Manager: Ashley Giovengo

**Reported:**  
5/13/2025 10:08:55AM

FS30-0-4'

E505032-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2519019
Benzene	ND	0.0250	1	05/05/25	05/06/25	
Ethylbenzene	ND	0.0250	1	05/05/25	05/06/25	
Toluene	ND	0.0250	1	05/05/25	05/06/25	
o-Xylene	ND	0.0250	1	05/05/25	05/06/25	
p,m-Xylene	ND	0.0500	1	05/05/25	05/06/25	
Total Xylenes	ND	0.0250	1	05/05/25	05/06/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	05/05/25	05/06/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2519019
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/05/25	05/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		100 %	70-130	05/05/25	05/06/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2519042
Diesel Range Organics (C10-C28)	ND	25.0	1	05/06/25	05/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/06/25	05/07/25	
<i>Surrogate: n-Nonane</i>						
		99.4 %	61-141	05/06/25	05/07/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2519030
Chloride	4820	40.0	2	05/05/25	05/06/25	





## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-007  
Project Manager: Ashley Giovengo

**Reported:**  
5/13/2025 10:08:55AM

SW31-0-4'

E505032-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2519019
Benzene	ND	0.0250	1	05/05/25	05/06/25	
Ethylbenzene	ND	0.0250	1	05/05/25	05/06/25	
Toluene	ND	0.0250	1	05/05/25	05/06/25	
o-Xylene	ND	0.0250	1	05/05/25	05/06/25	
p,m-Xylene	ND	0.0500	1	05/05/25	05/06/25	
Total Xylenes	ND	0.0250	1	05/05/25	05/06/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	05/05/25	05/06/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2519019
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/05/25	05/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		97.2 %	70-130	05/05/25	05/06/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2519042
Diesel Range Organics (C10-C28)	ND	25.0	1	05/06/25	05/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/06/25	05/07/25	
<i>Surrogate: n-Nonane</i>						
		98.1 %	61-141	05/06/25	05/07/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2519030
Chloride	151	20.0	1	05/05/25	05/06/25	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TGR Pipeline Spill Project Number: 01058-007 Project Manager: Ashley Giovengo	Reported: 5/13/2025 10:08:55AM
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SW32-0-4'  
E505032-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2519019	
Benzene	ND	0.0250	1	05/05/25	05/06/25	
Ethylbenzene	ND	0.0250	1	05/05/25	05/06/25	
Toluene	ND	0.0250	1	05/05/25	05/06/25	
o-Xylene	ND	0.0250	1	05/05/25	05/06/25	
p,m-Xylene	ND	0.0500	1	05/05/25	05/06/25	
Total Xylenes	ND	0.0250	1	05/05/25	05/06/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	05/05/25	05/06/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2519019	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/05/25	05/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		104 %	70-130	05/05/25	05/06/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: NV		Batch: 2519042	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/06/25	05/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/06/25	05/07/25	
<i>Surrogate: n-Nonane</i>						
		97.0 %	61-141	05/06/25	05/07/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2519030	
Chloride	59.4	20.0	1	05/05/25	05/06/25	



## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-007  
Project Manager: Ashley Giovengo

**Reported:**  
5/13/2025 10:08:55AM

SW07-0-4'

E505032-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2519019
Benzene	ND	0.0250	1	05/05/25	05/06/25	
Ethylbenzene	ND	0.0250	1	05/05/25	05/06/25	
Toluene	ND	0.0250	1	05/05/25	05/06/25	
o-Xylene	ND	0.0250	1	05/05/25	05/06/25	
p,m-Xylene	ND	0.0500	1	05/05/25	05/06/25	
Total Xylenes	ND	0.0250	1	05/05/25	05/06/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	05/05/25	05/06/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2519019
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/05/25	05/06/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.2 %	70-130	05/05/25	05/06/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2519042
Diesel Range Organics (C10-C28)	ND	25.0	1	05/06/25	05/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/06/25	05/07/25	
<i>Surrogate: n-Nonane</i>						
		94.4 %	61-141	05/06/25	05/07/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2519030
Chloride	22.8	20.0	1	05/05/25	05/06/25	



## QC Summary Data

Devon Energy - Carlsbad	Project Name:	TGR Pipeline Spill	Reported:
6488 7 Rivers Hwy	Project Number:	01058-007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	5/13/2025 10:08:55AM

## Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2519019-BLK1)

Prepared: 05/05/25 Analyzed: 05/06/25

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	7.46		8.00		93.2	70-130			

## LCS (2519019-BS1)

Prepared: 05/05/25 Analyzed: 05/06/25

Benzene	3.87	0.0250	5.00		77.5	70-130			
Ethylbenzene	3.86	0.0250	5.00		77.2	70-130			
Toluene	3.89	0.0250	5.00		77.8	70-130			
o-Xylene	3.86	0.0250	5.00		77.3	70-130			
p,m-Xylene	7.74	0.0500	10.0		77.4	70-130			
Total Xylenes	11.6	0.0250	15.0		77.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.97		8.00		99.6	70-130			

## Matrix Spike (2519019-MS1)

Source: E505032-04

Prepared: 05/05/25 Analyzed: 05/06/25

Benzene	3.99	0.0250	5.00	ND	79.8	70-130			
Ethylbenzene	3.92	0.0250	5.00	ND	78.4	70-130			
Toluene	3.98	0.0250	5.00	ND	79.7	70-130			
o-Xylene	3.96	0.0250	5.00	ND	79.3	70-130			
p,m-Xylene	7.85	0.0500	10.0	ND	78.5	70-130			
Total Xylenes	11.8	0.0250	15.0	ND	78.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.94		8.00		99.2	70-130			

## Matrix Spike Dup (2519019-MSD1)

Source: E505032-04

Prepared: 05/05/25 Analyzed: 05/06/25

Benzene	4.42	0.0250	5.00	ND	88.3	70-130	10.1	27	
Ethylbenzene	4.39	0.0250	5.00	ND	87.9	70-130	11.4	26	
Toluene	4.44	0.0250	5.00	ND	88.7	70-130	10.7	20	
o-Xylene	4.41	0.0250	5.00	ND	88.1	70-130	10.6	25	
p,m-Xylene	8.80	0.0500	10.0	ND	88.0	70-130	11.5	23	
Total Xylenes	13.2	0.0250	15.0	ND	88.1	70-130	11.2	26	
Surrogate: 4-Bromochlorobenzene-PID	7.91		8.00		98.9	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	TGR Pipeline Spill	Reported:
6488 7 Rivers Hwy	Project Number:	01058-007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	5/13/2025 10:08:55AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2519019-BLK1) Prepared: 05/05/25 Analyzed: 05/06/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.26		8.00		103	70-130			

LCS (2519019-BS2) Prepared: 05/05/25 Analyzed: 05/06/25

Gasoline Range Organics (C6-C10)	52.6	20.0	50.0		105	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.51		8.00		106	70-130			

Matrix Spike (2519019-MS2) Source: E505032-04 Prepared: 05/05/25 Analyzed: 05/06/25

Gasoline Range Organics (C6-C10)	54.7	20.0	50.0	ND	109	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.07		8.00		101	70-130			

Matrix Spike Dup (2519019-MSD2) Source: E505032-04 Prepared: 05/05/25 Analyzed: 05/06/25

Gasoline Range Organics (C6-C10)	50.6	20.0	50.0	ND	101	70-130	7.80	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.47		8.00		106	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	TGR Pipeline Spill	Reported:
6488 7 Rivers Hwy	Project Number:	01058-007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	5/13/2025 10:08:55AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2519042-BLK1)					Prepared: 05/06/25 Analyzed: 05/06/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	47.1		50.0		94.1	61-141			

LCS (2519042-BS1)					Prepared: 05/06/25 Analyzed: 05/06/25				
Diesel Range Organics (C10-C28)	269	25.0	250		108	66-144			
Surrogate: n-Nonane	48.0		50.0		96.0	61-141			

Matrix Spike (2519042-MS1)					Source: E505032-04		Prepared: 05/06/25 Analyzed: 05/06/25		
Diesel Range Organics (C10-C28)	256	25.0	250	ND	102	56-156			
Surrogate: n-Nonane	46.4		50.0		92.9	61-141			

Matrix Spike Dup (2519042-MSD1)					Source: E505032-04		Prepared: 05/06/25 Analyzed: 05/06/25		
Diesel Range Organics (C10-C28)	260	25.0	250	ND	104	56-156	1.45	20	
Surrogate: n-Nonane	47.6		50.0		95.1	61-141			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	TGR Pipeline Spill	Reported:
6488 7 Rivers Hwy	Project Number:	01058-007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	5/13/2025 10:08:55AM

Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2519030-BLK1)					Prepared: 05/05/25 Analyzed: 05/06/25				
Chloride	ND	20.0							
LCS (2519030-BS1)					Prepared: 05/05/25 Analyzed: 05/06/25				
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2519030-MS1)					Source: E505032-02		Prepared: 05/05/25 Analyzed: 05/06/25		
Chloride	303	20.0	250	46.3	103	80-120			
Matrix Spike Dup (2519030-MSD1)					Source: E505032-02		Prepared: 05/05/25 Analyzed: 05/06/25		
Chloride	302	20.0	250	46.3	102	80-120	0.322	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:	TGR Pipeline Spill	
6488 7 Rivers Hwy	Project Number:	01058-007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	05/13/25 10:08

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



Client Information				Invoice Information				Lab Use Only				TAT				State				
Client: Devon				Company: Devon Energy				Lab WO#		Job Number		1D		2D		3D		Std		
Project: TGR Pipeline Spill				Address: 5315 Buena Vista Dr				E505032		11058.0007								x		
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220														NM CO UT TX		
Address: 3122 National Parks Hwy				Phone: (575)689-7597														x		
City, State, Zip: Carlsbad NM, 88220				Email: jim.raley@dnv.com																
Phone: 575-988-0055				Miscellaneous: Jim Raley																
Email: agiovengo@ensolum.com																				
Sample Information								Analysis and Method				EPA Program								
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field	Filter	Lab Number	DRO/DRO 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	
1003	5/1/2025	Soil	1	F572-4'			1								x					
1058	5/1/2025	Soil	1	SW12-0-4'			2								x					
1100	5/1/2025	Soil	1	13			3								x					
1353	5/1/2025	Soil	1	17			4								x					
1356	5/1/2025	Soil	1	18			5								x					
1355	5/1/2025	Soil	1	19			6								x					
1037	5/1/2025	Soil	1	27			7								x					
1039	5/1/2025	Soil	1	28			8								x					
1040	5/1/2025	Soil	1	29			9								x					
1421	5/1/2025	Soil	1	30			10								x					
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@dnv.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com																				
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																				
Sampled by: Israel Estrella																				
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days.  Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N								
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time										
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time										
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time										
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time										
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other												Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA								
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																				



Client Information				Invoice Information		Lab Use Only		TAT				State							
Client: Devon				Company: Devon Energy		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX				
Project: TGR Pipeline Spill				Address: 5315 Buena Vista Dr		E505032	1058-0007				X	X							
Project Manager: Ashley Gioveno				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: (575)689-7597															
City, State, Zip: Carlsbad NM, 88220				Email: jim.raley@dnv.com															
Phone: 575-988-0055				Miscellaneous: Jim Raley															
Email: agioveno@ensolum.com																			
Sample Information						Analysis and Method								EPA Program					
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/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	
1402	5/1/2025	Soil	1	SW31-0-4'		11								X					
1456	5/1/2025	Soil	1	↓ 32 ↓		12								X					
1030	5/1/2025	Soil	1	↓ 07 ↓		13								X					
	5/1/2025	Soil	1											X					
	5/1/2025	Soil	1											X					
	5/1/2025	Soil	1											X					
	5/1/2025	Soil	1											X					
	5/1/2025	Soil	1											X					
	5/1/2025	Soil	1											X					
	5/1/2025	Soil	1											X					
Additional Instructions: Please CC: cburton@ensolum.com, agioveno@ensolum.com, jim.raley@dnv.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com																			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																			
Sampled by: Israel Estrella																			
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days.  Lab Use Only Received on ice: Y N											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time												
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time												
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time												
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time												
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																			
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																			
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## Envirotech Analytical Laboratory

Printed: 5/5/2025 10:32:59AM

## 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:	05/05/25 07:45	Work Order ID:	E505032
Phone:	(505) 382-1211	Date Logged In:	05/02/25 16:39	Logged In By:	Noe Soto
Email:	agiovento@ensolum.com	Due Date:	05/09/25 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/Resolution

Project TGR Pipeline Spill has been separated into 2 reports, WOs are E505031-E505032. Visible white out on COC.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.



Client Information				Invoice Information		Lab Use Only		TAT				State								
Client: Devon				Company: Devon Energy		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX					
Project: TGR Pipeline Spill				Address: 5315 Buena Vista Dr		E505032	110580007				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@env.com																
Phone: 575-988-0055				Miscellaneous: Jim Raley																
Email: agiovengo@ensolum.com																				
Sample Information						Analysis and Method						EPA Program								
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 3000	TCEQ 1065 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA		
																	Compliance	Y	or	N
																	PWSID #			
																	Sample Temp			Remarks
1003	5/1/2025	Soil	1	FS 12-4'		1								x			4.0			Corrected
1058	5/1/2025	Soil	1	SW 12-0-4'		2								x			3.10			Sample name
1100	5/1/2025	Soil	1	13		3								x			3.4			per client
1353	5/1/2025	Soil	1	17		4								x			3.2			5/13/25
1356	5/1/2025	Soil	1	18		5								x			2.8			CM
1355	5/1/2025	Soil	1	19		6								x			2.6			
1037	5/1/2025	Soil	1	27		7								x			2.7			
1039	5/1/2025	Soil	1	28		8								x			2.0			
1040	5/1/2025	Soil	1	29		9								x			3.4			
1427	5/1/2025	Soil	1	FS 30-4'		10								x			3.0			
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@env.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com																				
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																				
Sampled by: Israel Estrella																				
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days.  Lab Use Only Received on ice: Y/N														
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time															
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time															
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time															
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time															
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																				
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																				
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Client Information				Invoice Information		Lab Use Only		TAT				State						
Client: Devon				Company: Devon Energy		Lab WO#	Job Number	1D	2D	3D	Std	NM	CO	UT	TX			
Project: TGR Pipeline Spill				Address: 5315 Buena Vista Dr		E505032	1058-0007				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@envirotech.com														
Phone: 575-988-0055				Miscellaneous: Jim Raley														
Email: agiovengo@envirotech.com																		
Sample Information						Analysis and Method						EPA Program						
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 3000	TEC 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA
1402	5/1/2025	Soil	1	SW31-0-4'		11								X				
1456	5/1/2025	Soil	1	↓ 32 ↓		12								X				
1030	5/1/2025	Soil	1	↓ 07 ↓		13								X				
	5/1/2025	Soil	1											X				
	5/1/2025	Soil	1											X				
	5/1/2025	Soil	1											X				
	5/1/2025	Soil	1											X				
	5/1/2025	Soil	1											X				
	5/1/2025	Soil	1											X				
	5/1/2025	Soil	1											X				
	5/1/2025	Soil	1											X				
Additional Instructions: Please CC: cburton@envirotech.com, agiovengo@envirotech.com, jim.raley@envirotech.com, iestrella@envirotech.com, chamilton@envirotech.com, bmoir@envirotech.com																		
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																		
Sampled by: <u>Ismael Estrella</u>																		
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: <u>Y</u> N										
<u>[Signature]</u>		5/1/25	7:11	<u>Michelle Gonzalez</u>		5.2.25	071											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time											
<u>Michelle Gonzalez</u>		5.2.25	1745	<u>J. M.</u>		5.2.25	1745											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time											
<u>J. M.</u>		5.2.25	2345	<u>Carla Mae</u>		5.5.25	745											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time											
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																		
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																		
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Report to:  
Ashley Giovengo



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Devon Energy - Carlsbad

Project Name: TGR Pipeline Spill

Work Order: E505218

Job Number: 01058-0007

Received: 5/20/2025

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
5/27/25

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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



Date Reported: 5/27/25



Ashley Giovengo  
6488 7 Rivers Hwy  
Artesia, NM 88210

Project Name: TGR Pipeline Spill  
Workorder: E505218  
Date Received: 5/20/2025 7:45:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/20/2025 7:45:00AM, under the Project Name: TGR Pipeline Spill.

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

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

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

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

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

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

Field Offices:

**Southern New Mexico Area**

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

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

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

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Sample Summary

Devon Energy - Carlsbad	Project Name:	TGR Pipeline Spill	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	05/27/25 14:33

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
PH05-14'	E505218-01A	Soil	05/16/25	05/20/25	Glass Jar, 2 oz.
PH05-15'	E505218-02A	Soil	05/16/25	05/20/25	Glass Jar, 2 oz.
PH05-16'	E505218-03A	Soil	05/16/25	05/20/25	Glass Jar, 2 oz.
PH07-11'	E505218-04A	Soil	05/16/25	05/20/25	Glass Jar, 2 oz.
PH07-12'	E505218-05A	Soil	05/16/25	05/20/25	Glass Jar, 2 oz.
PH07-13'	E505218-06A	Soil	05/16/25	05/20/25	Glass Jar, 2 oz.



## Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TGR Pipeline Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 5/27/2025 2:33:01PM
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**PH05-14'**

**E505218-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2521043	
Benzene	ND	0.0250	1	05/20/25	05/22/25	
Ethylbenzene	ND	0.0250	1	05/20/25	05/22/25	
Toluene	ND	0.0250	1	05/20/25	05/22/25	
o-Xylene	ND	0.0250	1	05/20/25	05/22/25	
p,m-Xylene	ND	0.0500	1	05/20/25	05/22/25	
Total Xylenes	ND	0.0250	1	05/20/25	05/22/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.7 %	70-130		05/20/25	05/22/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2521043	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/20/25	05/22/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	106 %	70-130		05/20/25	05/22/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2521073	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/21/25	05/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/21/25	05/24/25	
<i>Surrogate: n-Nonane</i>						
	106 %	61-141		05/21/25	05/24/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2521069	
Chloride	6560	40.0	2	05/20/25	05/21/25	



## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
5/27/2025 2:33:01PM

PH05-15'

E505218-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2521043	
Benzene	ND	0.0250	1	05/20/25	05/22/25	
Ethylbenzene	ND	0.0250	1	05/20/25	05/22/25	
Toluene	ND	0.0250	1	05/20/25	05/22/25	
o-Xylene	ND	0.0250	1	05/20/25	05/22/25	
p,m-Xylene	ND	0.0500	1	05/20/25	05/22/25	
Total Xylenes	ND	0.0250	1	05/20/25	05/22/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.6 %	70-130	05/20/25	05/22/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2521043	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/20/25	05/22/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		110 %	70-130	05/20/25	05/22/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2521073	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/21/25	05/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/21/25	05/24/25	
<i>Surrogate: n-Nonane</i>		102 %	61-141	05/21/25	05/24/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2521069	
Chloride	1290	20.0	1	05/20/25	05/21/25	



## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
5/27/2025 2:33:01PM

PH05-16'

E505218-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2521043
Benzene	ND	0.0250	1	05/20/25	05/22/25	
Ethylbenzene	ND	0.0250	1	05/20/25	05/22/25	
Toluene	ND	0.0250	1	05/20/25	05/22/25	
o-Xylene	ND	0.0250	1	05/20/25	05/22/25	
p,m-Xylene	ND	0.0500	1	05/20/25	05/22/25	
Total Xylenes	ND	0.0250	1	05/20/25	05/22/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.8 %	70-130		05/20/25	05/22/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2521043
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/20/25	05/22/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	108 %	70-130		05/20/25	05/22/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2521073
Diesel Range Organics (C10-C28)	ND	25.0	1	05/21/25	05/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/21/25	05/24/25	
<i>Surrogate: n-Nonane</i>						
	110 %	61-141		05/21/25	05/24/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2521069
Chloride	499	20.0	1	05/20/25	05/21/25	



## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
5/27/2025 2:33:01PM

PH07-11'

E505218-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2521043	
Benzene	ND	0.0250	1	05/20/25	05/22/25	
Ethylbenzene	ND	0.0250	1	05/20/25	05/22/25	
Toluene	ND	0.0250	1	05/20/25	05/22/25	
o-Xylene	ND	0.0250	1	05/20/25	05/22/25	
p,m-Xylene	ND	0.0500	1	05/20/25	05/22/25	
Total Xylenes	ND	0.0250	1	05/20/25	05/22/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.1 %	70-130		05/20/25	05/22/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: SL		Batch: 2521043	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/20/25	05/22/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	111 %	70-130		05/20/25	05/22/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: NV		Batch: 2521073	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/21/25	05/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/21/25	05/24/25	
<i>Surrogate: n-Nonane</i>						
	110 %	61-141		05/21/25	05/24/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2521069	
Chloride	4380	40.0	2	05/20/25	05/21/25	





## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
5/27/2025 2:33:01PM

PH07-12'

E505218-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2521043
Benzene	ND	0.0250	1	05/20/25	05/22/25	
Ethylbenzene	ND	0.0250	1	05/20/25	05/22/25	
Toluene	ND	0.0250	1	05/20/25	05/22/25	
o-Xylene	ND	0.0250	1	05/20/25	05/22/25	
p,m-Xylene	ND	0.0500	1	05/20/25	05/22/25	
Total Xylenes	ND	0.0250	1	05/20/25	05/22/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	05/20/25	05/22/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: SL		Batch: 2521043
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/20/25	05/22/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		108 %	70-130	05/20/25	05/22/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2521073
Diesel Range Organics (C10-C28)	ND	25.0	1	05/21/25	05/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/21/25	05/24/25	
<i>Surrogate: n-Nonane</i>						
		110 %	61-141	05/21/25	05/24/25	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2521069
Chloride	4030	40.0	2	05/20/25	05/21/25	



## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
5/27/2025 2:33:01PM

PH07-13'

E505218-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2521043	
Benzene	ND	0.0250	1	05/20/25	05/23/25	
Ethylbenzene	ND	0.0250	1	05/20/25	05/23/25	
Toluene	ND	0.0250	1	05/20/25	05/23/25	
o-Xylene	ND	0.0250	1	05/20/25	05/23/25	
p,m-Xylene	ND	0.0500	1	05/20/25	05/23/25	
Total Xylenes	ND	0.0250	1	05/20/25	05/23/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		98.7 %	70-130	05/20/25	05/23/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: SL		Batch: 2521043	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/20/25	05/23/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		107 %	70-130	05/20/25	05/23/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2521073	
Diesel Range Organics (C10-C28)	50.0	25.0	1	05/21/25	05/24/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/21/25	05/24/25	
<i>Surrogate: n-Nonane</i>		112 %	61-141	05/21/25	05/24/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: RAS		Batch: 2521069	
Chloride	1870	20.0	1	05/20/25	05/21/25	



QC Summary Data

Devon Energy - Carlsbad	Project Name:	TGR Pipeline Spill	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	5/27/2025 2:33:01PM

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2521043-BLK1) Prepared: 05/20/25 Analyzed: 05/22/25

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.01		8.00		100	70-130			

LCS (2521043-BS1) Prepared: 05/20/25 Analyzed: 05/22/25

Benzene	4.93	0.0250	5.00		98.5	70-130			
Ethylbenzene	4.90	0.0250	5.00		98.0	70-130			
Toluene	4.90	0.0250	5.00		98.1	70-130			
o-Xylene	4.85	0.0250	5.00		97.0	70-130			
p,m-Xylene	9.93	0.0500	10.0		99.3	70-130			
Total Xylenes	14.8	0.0250	15.0		98.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.01		8.00		100	70-130			

Matrix Spike (2521043-MS1) Source: E505212-26 Prepared: 05/20/25 Analyzed: 05/22/25

Benzene	4.96	0.0250	5.00	ND	99.1	70-130			
Ethylbenzene	4.91	0.0250	5.00	ND	98.2	70-130			
Toluene	4.93	0.0250	5.00	ND	98.5	70-130			
o-Xylene	4.88	0.0250	5.00	ND	97.5	70-130			
p,m-Xylene	9.93	0.0500	10.0	ND	99.3	70-130			
Total Xylenes	14.8	0.0250	15.0	ND	98.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.92		8.00		99.0	70-130			

Matrix Spike Dup (2521043-MSD1) Source: E505212-26 Prepared: 05/20/25 Analyzed: 05/22/25

Benzene	4.99	0.0250	5.00	ND	99.8	70-130	0.743	27	
Ethylbenzene	4.97	0.0250	5.00	ND	99.5	70-130	1.31	26	
Toluene	4.97	0.0250	5.00	ND	99.5	70-130	0.946	20	
o-Xylene	4.93	0.0250	5.00	ND	98.6	70-130	1.08	25	
p,m-Xylene	10.1	0.0500	10.0	ND	101	70-130	1.39	23	
Total Xylenes	15.0	0.0250	15.0	ND	100	70-130	1.28	26	
Surrogate: 4-Bromochlorobenzene-PID	7.69		8.00		96.1	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	TGR Pipeline Spill	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	5/27/2025 2:33:01PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2521043-BLK1) Prepared: 05/20/25 Analyzed: 05/22/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.70		8.00		109	70-130			

LCS (2521043-BS2) Prepared: 05/20/25 Analyzed: 05/22/25

Gasoline Range Organics (C6-C10)	50.0	20.0	50.0		100	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.71		8.00		109	70-130			

Matrix Spike (2521043-MS2) Source: E505212-26 Prepared: 05/20/25 Analyzed: 05/22/25

Gasoline Range Organics (C6-C10)	49.7	20.0	50.0	ND	99.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.92		8.00		111	70-130			

Matrix Spike Dup (2521043-MSD2) Source: E505212-26 Prepared: 05/20/25 Analyzed: 05/22/25

Gasoline Range Organics (C6-C10)	50.5	20.0	50.0	ND	101	70-130	1.52	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	9.12		8.00		114	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	TGR Pipeline Spill	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	5/27/2025 2:33:01PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2521073-BLK1)					Prepared: 05/21/25 Analyzed: 05/23/25				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	51.2		50.0		102	61-141			

LCS (2521073-BS1)					Prepared: 05/21/25 Analyzed: 05/23/25				
Diesel Range Organics (C10-C28)	274	25.0	250		110	66-144			
Surrogate: n-Nonane	50.3		50.0		101	61-141			

Matrix Spike (2521073-MS1)					Source: E505212-24		Prepared: 05/21/25 Analyzed: 05/23/25		
Diesel Range Organics (C10-C28)	283	25.0	250	ND	113	56-156			
Surrogate: n-Nonane	52.6		50.0		105	61-141			

Matrix Spike Dup (2521073-MSD1)					Source: E505212-24		Prepared: 05/21/25 Analyzed: 05/23/25		
Diesel Range Organics (C10-C28)	281	25.0	250	ND	112	56-156	0.588	20	
Surrogate: n-Nonane	51.7		50.0		103	61-141			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	TGR Pipeline Spill	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	5/27/2025 2:33:01PM

Anions by EPA 300.0/9056A

Analyst: RAS

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

Blank (2521069-BLK1)					Prepared: 05/20/25 Analyzed: 05/21/25				
Chloride	ND	20.0							
LCS (2521069-BS1)					Prepared: 05/20/25 Analyzed: 05/21/25				
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2521069-MS1)					Source: E505212-22		Prepared: 05/20/25 Analyzed: 05/21/25		
Chloride	1330	20.0	250	1090	94.6	80-120			
Matrix Spike Dup (2521069-MSD1)					Source: E505212-22		Prepared: 05/20/25 Analyzed: 05/21/25		
Chloride	1310	20.0	250	1090	87.9	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:	TGR Pipeline Spill	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	05/27/25 14:33

- 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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## Envirotech Analytical Laboratory

Printed: 5/20/2025 9:56:09AM

## 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:	05/20/25 07:45	Work Order ID:	E505218
Phone:	(505) 382-1211	Date Logged In:	05/19/25 14:25	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	05/26/25 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:

Ashley Giovengo



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Devon Energy - Carlsbad

Project Name: TGR Pipeline Spill

Work Order: E505237

Job Number: 01058-0007

Received: 5/21/2025

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
5/28/25

5796 U.S. Hwy 64  
Farmington, NM 87401

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



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



Date Reported: 5/28/25

Ashley Giovengo  
6488 7 Rivers Hwy  
Artesia, NM 88210



Project Name: TGR Pipeline Spill  
Workorder: E505237  
Date Received: 5/21/2025 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/21/2025 8:00:00AM, under the Project Name: TGR Pipeline Spill.

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

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

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

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

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

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

Field Offices:

**Southern New Mexico Area**

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

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

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

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Sample Summary

Devon Energy - Carlsbad	Project Name:	TGR Pipeline Spill	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	05/28/25 09:46

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
PH07-16'	E505237-01A	Soil	05/19/25	05/21/25	Glass Jar, 2 oz.
PH07-20'	E505237-02A	Soil	05/19/25	05/21/25	Glass Jar, 2 oz.



## Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: TGR Pipeline Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	<b>Reported:</b> 5/28/2025 9:46:03AM
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**PH07-16'**

**E505237-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2521088	
Benzene	ND	0.0250	1	05/21/25	05/23/25	
Ethylbenzene	ND	0.0250	1	05/21/25	05/23/25	
Toluene	ND	0.0250	1	05/21/25	05/23/25	
o-Xylene	ND	0.0250	1	05/21/25	05/23/25	
p,m-Xylene	ND	0.0500	1	05/21/25	05/23/25	
Total Xylenes	ND	0.0250	1	05/21/25	05/23/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		108 %	70-130	05/21/25	05/23/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2521088	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/21/25	05/23/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		101 %	70-130	05/21/25	05/23/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2521077	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/21/25	05/27/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/21/25	05/27/25	
<i>Surrogate: n-Nonane</i>		108 %	61-141	05/21/25	05/27/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2521119	
Chloride	1980	20.0	1	05/22/25	05/23/25	





## Sample Data

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

Project Name: TGR Pipeline Spill  
Project Number: 01058-0007  
Project Manager: Ashley Giovengo

**Reported:**  
5/28/2025 9:46:03AM

PH07-20'

E505237-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2521088	
Benzene	ND	0.0250	1	05/21/25	05/23/25	
Ethylbenzene	ND	0.0250	1	05/21/25	05/23/25	
Toluene	ND	0.0250	1	05/21/25	05/23/25	
o-Xylene	ND	0.0250	1	05/21/25	05/23/25	
p,m-Xylene	ND	0.0500	1	05/21/25	05/23/25	
Total Xylenes	ND	0.0250	1	05/21/25	05/23/25	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		108 %	70-130	05/21/25	05/23/25	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: BA		Batch: 2521088	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/21/25	05/23/25	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		101 %	70-130	05/21/25	05/23/25	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2521077	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/21/25	05/27/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/21/25	05/27/25	
<i>Surrogate: n-Nonane</i>		110 %	61-141	05/21/25	05/27/25	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2521119	
Chloride	420	20.0	1	05/22/25	05/23/25	



QC Summary Data

Devon Energy - Carlsbad	Project Name:	TGR Pipeline Spill	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	5/28/2025 9:46:03AM

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 (2521088-BLK1) Prepared: 05/21/25 Analyzed: 05/23/25

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 8.35 8.00 104 70-130

LCS (2521088-BS1) Prepared: 05/21/25 Analyzed: 05/23/25

Benzene	4.81	0.0250	5.00		96.3	70-130			
Ethylbenzene	4.76	0.0250	5.00		95.2	70-130			
Toluene	4.81	0.0250	5.00		96.2	70-130			
o-Xylene	4.68	0.0250	5.00		93.7	70-130			
p,m-Xylene	9.59	0.0500	10.0		95.9	70-130			
Total Xylenes	14.3	0.0250	15.0		95.2	70-130			

Surrogate: 4-Bromochlorobenzene-PID 8.65 8.00 108 70-130

Matrix Spike (2521088-MS1) Source: E505233-06 Prepared: 05/21/25 Analyzed: 05/23/25

Benzene	5.32	0.0250	5.00	ND	106	70-130			
Ethylbenzene	5.23	0.0250	5.00	ND	105	70-130			
Toluene	5.30	0.0250	5.00	ND	106	70-130			
o-Xylene	5.16	0.0250	5.00	ND	103	70-130			
p,m-Xylene	10.5	0.0500	10.0	ND	105	70-130			
Total Xylenes	15.7	0.0250	15.0	ND	104	70-130			

Surrogate: 4-Bromochlorobenzene-PID 8.62 8.00 108 70-130

Matrix Spike Dup (2521088-MSD1) Source: E505233-06 Prepared: 05/21/25 Analyzed: 05/23/25

Benzene	5.55	0.0250	5.00	ND	111	70-130	4.31	27	
Ethylbenzene	5.47	0.0250	5.00	ND	109	70-130	4.41	26	
Toluene	5.54	0.0250	5.00	ND	111	70-130	4.38	20	
o-Xylene	5.40	0.0250	5.00	ND	108	70-130	4.43	25	
p,m-Xylene	11.0	0.0500	10.0	ND	110	70-130	4.42	23	
Total Xylenes	16.4	0.0250	15.0	ND	109	70-130	4.42	26	

Surrogate: 4-Bromochlorobenzene-PID 8.62 8.00 108 70-130



QC Summary Data

Devon Energy - Carlsbad	Project Name:	TGR Pipeline Spill	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	5/28/2025 9:46:03AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2521088-BLK1) Prepared: 05/21/25 Analyzed: 05/23/25

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.02		8.00		100	70-130			

LCS (2521088-BS2) Prepared: 05/21/25 Analyzed: 05/23/25

Gasoline Range Organics (C6-C10)	44.3	20.0	50.0		88.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.21		8.00		103	70-130			

Matrix Spike (2521088-MS2) Source: E505233-06 Prepared: 05/21/25 Analyzed: 05/23/25

Gasoline Range Organics (C6-C10)	47.1	20.0	50.0	ND	94.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.20		8.00		103	70-130			

Matrix Spike Dup (2521088-MSD2) Source: E505233-06 Prepared: 05/21/25 Analyzed: 05/23/25

Gasoline Range Organics (C6-C10)	45.5	20.0	50.0	ND	90.9	70-130	3.54	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.19		8.00		102	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	TGR Pipeline Spill	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	5/28/2025 9:46:03AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2521077-BLK1)					Prepared: 05/21/25 Analyzed: 05/27/25				
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 (2521077-BS1)					Prepared: 05/21/25 Analyzed: 05/27/25				
Diesel Range Organics (C10-C28)	291	25.0	250		116	66-144			
Surrogate: n-Nonane	51.3		50.0		103	61-141			

Matrix Spike (2521077-MS1)					Source: E505238-02		Prepared: 05/21/25 Analyzed: 05/27/25		
Diesel Range Organics (C10-C28)	298	25.0	250	ND	119	56-156			
Surrogate: n-Nonane	55.5		50.0		111	61-141			

Matrix Spike Dup (2521077-MSD1)					Source: E505238-02		Prepared: 05/21/25 Analyzed: 05/27/25		
Diesel Range Organics (C10-C28)	308	25.0	250	ND	123	56-156	3.33	20	
Surrogate: n-Nonane	56.5		50.0		113	61-141			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	TGR Pipeline Spill	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	5/28/2025 9:46:03AM

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 (2521119-BLK1)					Prepared: 05/22/25 Analyzed: 05/22/25				
Chloride	ND	20.0							
LCS (2521119-BS1)					Prepared: 05/22/25 Analyzed: 05/22/25				
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2521119-MS1)					Source: E505227-03		Prepared: 05/22/25 Analyzed: 05/22/25		
Chloride	258	20.0	250	ND	103	80-120			
Matrix Spike Dup (2521119-MSD1)					Source: E505227-03		Prepared: 05/22/25 Analyzed: 05/22/25		
Chloride	258	20.0	250	ND	103	80-120	0.230	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:	TGR Pipeline Spill	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	05/28/25 09:46

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

Cast Center: 1093068701

## Chain of Custody

Client Information				Invoice Information		Lab Use Only		TAT				State							
Client: Devon				Company: Devon Energy		Lab WO#		1D 2D 3D Std				NM CO UT TX							
Project: TGR Pipeline Spill				Address: 5315 Buena Vista Dr		E505237		Job Number				D1058-0007							
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220								x							
Address: 3122 National Parks Hwy				Phone: (575)689-7597															
City, State, Zip: Carlsbad NM, 88220				Email: jim.raley@env.com															
Phone: 575-988-0055				Miscellaneous: Jim Raley															
Email: agiovento@ensolum.com																			
Sample Information						Analysis and Method								EPA Program					
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals	BGDOC - NM	BGDOC - TX	SDWA	CWA	RCRA	
9:42	5/19/2025	S	1	PH07 - 16'		1													
10:26	5/19/2025	S	1	PH07 - 20'		2													
Additional Instructions: Please CC: cburton@ensolum.com, agiovento@ensolum.com, jim.raley@env.com, iestrella@ensolum.com, chamilton@ensolum.com, bmoir@ensolum.com																			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																			
Sampled by: Cole Burton																			
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed on ice at a temp above 0 but less than 6°C on subsequent days. <b>Lab Use Only</b> Received on ice: Y/N							
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																			
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																			
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			



## Envirotech Analytical Laboratory

Printed: 5/21/2025 9:45:40AM

## 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:	05/21/25 08:00	Work Order ID:	E505237
Phone:	(505) 382-1211	Date Logged In:	05/20/25 15:31	Logged In By:	Caitlin Mars
Email:	agiovento@ensolum.com	Due Date:	05/28/25 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.



## APPENDIX E

# NMSLO Cultural Resources Cover Sheet

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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:

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*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



## APPENDIX F

### NMOCD Correspondence

---

**From:** [Maxwell, Ashley, EMNRD](#)  
**To:** [Ashley Giovengo](#)  
**Cc:** [Raley, Jim](#); [Chad Hamilton](#); [Cole Burton](#); [Bratcher, Michael, EMNRD](#)  
**Subject:** FW: [EXTERNAL] Extension Request - Devon Energy Production Company, LP -TGR Pipeline Spill - Incident Number nAPP2434748534  
**Date:** Monday, March 10, 2025 1:26:49 PM  
**Attachments:** [image001.png](#)  
[image002.png](#)  
[image003.png](#)  
[20250303\\_TGRPipelineSpill\\_fig2\\_v5\\_JV.pdf](#)

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

[ \*\*EXTERNAL EMAIL\*\* ]

Good Morning,

Your extension request of June 9, 2025, has been approved. Please include this email in all subsequent reports.

**Ashley Maxwell** • Environmental Specialist  
Environmental Bureau Projects Group  
EMNRD - Oil Conservation Division  
1000 Rio Brazos Road | Aztec, NM 87110  
505.635.5000 | [Ashley.Maxwell@emnrd.nm.gov](mailto:Ashley.Maxwell@emnrd.nm.gov)  
<http://www.emnrd.state.nm.us/OCD/>

Effective 12/1/2024: OCD has updated guidance on karst potential occurrence zones. This notice can be found at: <https://www.emnrd.nm.gov/ocd/ocd-announcements-and-notifications/> under “2024 OCD ANNOUNCEMENTS AND NOTIFICATIONS”.

The Digital C-141 guidance documents can be found at <https://www.emnrd.nm.gov/ocd/ocd-announcements-and-notifications/> or <https://www.emnrd.nm.gov/ocd/ocd-forms/>.

---

**From:** Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>  
**Sent:** Monday, March 10, 2025 1:22 PM  
**To:** Maxwell, Ashley, EMNRD <Ashley.Maxwell@emnrd.nm.gov>  
**Cc:** Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>  
**Subject:** FW: [EXTERNAL] Extension Request - Devon Energy Production Company, LP -TGR Pipeline Spill - Incident Number nAPP2434748534

---

**From:** Ashley Giovengo <[agiovengo@ensolum.com](mailto:agiovengo@ensolum.com)>  
**Sent:** Monday, March 10, 2025 12:14 PM

**To:** Enviro, OCD, EMNRD <[OCD.Enviro@emnrd.nm.gov](mailto:OCD.Enviro@emnrd.nm.gov)>; Raley, Jim <[jim.raley@dmv.com](mailto:jim.raley@dmv.com)>  
**Cc:** Chad Hamilton <[chamilton@ensolum.com](mailto:chamilton@ensolum.com)>; Cole Burton <[cburton@ensolum.com](mailto:cburton@ensolum.com)>  
**Subject:** [EXTERNAL] Extension Request - Devon Energy Production Company, LP -TGR Pipeline Spill - Incident Number nAPP2434748534

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

All,

Devon Energy Production Company, LP (Devon) is requesting an extension for the current deadline of March 11, 2025, for submitting a remediation work plan or closure report required in 19.15.29.12.B.(1) NMAC at the TGR Pipeline Spill (Site) (Incident Number nAPP2434748534). The release occurred on December 11, 2024, and 55 barrels (bbls) of produced water were onto a pipeline right-of-way (ROW); 0 bbls of produced water were recovered. The release impacted an area approximately 12,512 square feet in size on State Trust Land managed by the New Mexico State Land Office. A Right-of-Entry Permit was approved on February 07, 2025, and the surface lessee was notified of the pending excavation work. Lateral and vertical delineation sampling in accordance with the strictest Closure Criteria has been completed at the Site. Excavation of the subject matter release will begin as soon as Devon selects a subcontractor to complete excavation activities. Devon intends to submit a remediation work plan or closure report, upon reviewing laboratory analytical results from confirmation soil sampling activities. Devon respectfully requests a 90-day extension until June 09, 2025.

Kind Regards,



**Ashley Giovengo**

Senior Scientist

575-988-0055

**Ensolum, LLC**

**in f X**

"Your authenticity is your superpower." – Unknown

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

General Information  
Phone: (505) 629-6116

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

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

QUESTIONS

Action 454498

**QUESTIONS**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 454498
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

**QUESTIONS**

Prerequisites	
Incident ID (n#)	nAPP2434748534
Incident Name	NAPP2434748534 TGR PIPELINE SPILL @ 30-025-42277
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Well	[30-025-42277] TAIPAN 10 STATE COM #008H

Location of Release Source	
Site Name	TGR PIPELINE SPILL
Date Release Discovered	12/11/2024
Surface Owner	State

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	14,413
What is the estimated number of samples that will be gathered	112
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/25/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Please contact Cole Burton @ 575-706-5056
Please provide any information necessary for navigation to sampling site	32.30948, -103.56722



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

General Information  
Phone: (505) 629-6116

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

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

CONDITIONS

Action 454498

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 454498
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jralej	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	4/22/2025

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 454499

**QUESTIONS**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 454499
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

**QUESTIONS**

Prerequisites	
Incident ID (n#)	nAPP2434748534
Incident Name	NAPP2434748534 TGR PIPELINE SPILL @ 30-025-42277
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Well	[30-025-42277] TAIPAN 10 STATE COM #008H

Location of Release Source	
Site Name	TGR PIPELINE SPILL
Date Release Discovered	12/11/2024
Surface Owner	State

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	14,413
What is the estimated number of samples that will be gathered	112
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/28/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Please contact Cole Burton @ 575-706-5056
Please provide any information necessary for navigation to sampling site	32.30948, -103.56722

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

General Information  
Phone: (505) 629-6116

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

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

CONDITIONS

Action 454499

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 454499
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jralej	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	4/22/2025

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

General Information  
Phone: (505) 629-6116

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

QUESTIONS

Action 454500

**QUESTIONS**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 454500
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

**QUESTIONS**

Prerequisites	
Incident ID (n#)	nAPP2434748534
Incident Name	NAPP2434748534 TGR PIPELINE SPILL @ 30-025-42277
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Well	[30-025-42277] TAIPAN 10 STATE COM #008H

Location of Release Source	
Site Name	TGR PIPELINE SPILL
Date Release Discovered	12/11/2024
Surface Owner	State

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	14,413
What is the estimated number of samples that will be gathered	112
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/29/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Please contact Cole Burton 575-706-5056
Please provide any information necessary for navigation to sampling site	32.30948, -103.56722

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CONDITIONS

Action 454500

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 454500
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jralej	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	4/22/2025

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QUESTIONS

Action 454501

**QUESTIONS**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 454501
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

**QUESTIONS**

Prerequisites	
Incident ID (n#)	nAPP2434748534
Incident Name	NAPP2434748534 TGR PIPELINE SPILL @ 30-025-42277
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Well	[30-025-42277] TAIPAN 10 STATE COM #008H

Location of Release Source	
Site Name	TGR PIPELINE SPILL
Date Release Discovered	12/11/2024
Surface Owner	State

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	14,413
What is the estimated number of samples that will be gathered	112
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/30/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Please contact Cole Burton @ 575-706-5056
Please provide any information necessary for navigation to sampling site	32.30948, -103.56722

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CONDITIONS

Action 454501

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 454501
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jralej	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	4/22/2025



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QUESTIONS

Action 454502

**QUESTIONS**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 454502
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

**QUESTIONS**

Prerequisites	
Incident ID (n#)	nAPP2434748534
Incident Name	NAPP2434748534 TGR PIPELINE SPILL @ 30-025-42277
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Well	[30-025-42277] TAIPAN 10 STATE COM #008H

Location of Release Source	
Site Name	TGR PIPELINE SPILL
Date Release Discovered	12/11/2024
Surface Owner	State

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	14,413
What is the estimated number of samples that will be gathered	112
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/01/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Please Contact Cole Burton @ 575-706-5056
Please provide any information necessary for navigation to sampling site	32.30948, -103.56722

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CONDITIONS

Action 454502

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 454502
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jralej	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	4/22/2025

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QUESTIONS

Action 471565

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 471565
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2434748534
Incident Name	NAPP2434748534 TGR PIPELINE SPILL @ 30-025-42277
Incident Type	Produced Water Release
Incident Status	Reclamation Report Received
Incident Well	[30-025-42277] TAIPAN 10 STATE COM #008H

Location of Release Source	
Please answer all the questions in this group.	
Site Name	TGR PIPELINE SPILL
Date Release Discovered	12/11/2024
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   Flow Line - Production   Produced Water   Released: 55 BBL   Recovered: 0 BBL   Lost: 55 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)	Produced water gathering line had failure allowing release of approx. 55 bbls to ROW surface off location. SLO and OCD notified via email.

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QUESTIONS, Page 2

Action 471565

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 471565
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**QUESTIONS**

<b>Nature and Volume of Release (continued)</b>	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

**Initial Response**

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

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

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

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

I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvni.com Date: 06/06/2025
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QUESTIONS, Page 3

Action 471565

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 471565
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**QUESTIONS**

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

<b>Remediation Plan</b>	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
<b>Soil Contamination Sampling:</b> (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	16700
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	1662
GRO+DRO (EPA SW-846 Method 8015M)	1070
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	04/24/2025
On what date will (or did) the final sampling or liner inspection occur	05/01/2025
On what date will (or was) the remediation complete(d)	05/01/2025
What is the estimated surface area (in square feet) that will be reclaimed	14836
What is the estimated volume (in cubic yards) that will be reclaimed	3214
What is the estimated surface area (in square feet) that will be remediated	14836
What is the estimated volume (in cubic yards) that will be remediated	3214
<i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 4

Action 471565

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 471565
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**QUESTIONS**

<b>Remediation Plan (continued)</b>	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
<b>This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:</b>	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for <b>off-site</b> disposal	HALFWAY DISPOSAL AND LANDFILL [FEEM0112334510]
<b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and <b>on-site</b> remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dmv.com Date: 06/06/2025
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 471565

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 471565
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

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



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QUESTIONS, Page 6

Action 471565

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 471565
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**QUESTIONS**

Sampling Event Information	
Last sampling notification (C-141N) recorded	454503
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/02/2025
What was the (estimated) number of samples that were to be gathered	112
What was the sampling surface area in square feet	14413

**Remediation Closure Request**

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

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	14836
What was the total volume (cubic yards) remediated	3214
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	14836
What was the total volume (in cubic yards) reclaimed	3214
Summarize any additional remediation activities not included by answers (above)	Remediation Complete

*The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.*

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

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

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QUESTIONS, Page 7

Action 471565

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 471565
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

**QUESTIONS**

<b>Reclamation Report</b>	
<i>Only answer the questions in this group if all reclamation steps have been completed.</i>	
Requesting a reclamation approval with this submission	Yes
What was the total reclamation surface area (in square feet) for this site	14836
What was the total volume of replacement material (in cubic yards) for this site	3214
<i>Per Paragraph (1) of Subsection D of 19.15.29.13 NMAC the reclamation must contain a minimum of four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, or other test methods approved by the division. The soil cover must include a top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater.</i>	
Is the soil top layer complete and is it suitable material to establish vegetation	Yes
On what (estimated) date will (or was) the reseeded commence(d)	06/30/2025
Summarize any additional reclamation activities not included by answers (above)	Area reclaimed
<i>The responsible party must attach information demonstrating they have complied with all applicable reclamation requirements and any conditions or directives of the OCD. This demonstration should be in the form of attachments (in .pdf format) including a scaled site map, any proposed reseeded plans or relevant field notes, photographs of reclaimed area, and a narrative of the reclamation activities. Refer to 19.15.29.13 NMAC.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.	
I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dmv.com Date: 06/06/2025

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QUESTIONS, Page 8

Action 471565

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 471565
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

<b>Revegetation Report</b>	
<i>Only answer the questions in this group if all surface restoration, reclamation and re-vegetation obligations have been satisfied.</i>	
Requesting a restoration complete approval with this submission	No
<i>Per Paragraph (4) of Subsection (D) of 19.15.29.13 NMAC for any major or minor release containing liquids, the responsible party must notify the division when reclamation and re-vegetation are complete.</i>	

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

General Information  
Phone: (505) 629-6116

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

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

CONDITIONS

Action 471565

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 471565
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	The remediation and reclamation closure is approved.	6/10/2025
michael.buchanan	All revegetation activities will need to be documented and included in the revegetation report. The revegetation report will need to include: An executive summary of the revegetation activities including: Seed mix, Method of seeding, dates of when the release area was reseeded, information pertinent to inspections, information about any amendments added to the soil, information on how the vegetative cover established meets the life-form ratio of plus or minus fifty percent of pre-disturbance levels and a total percent plant cover of at least seventy percent of pre-disturbance levels, excluding noxious weeds per 19.15.29.13 D.(3) NMAC, and any additional information; a scaled Site Map including area that was revegetated in square feet; and pictures of the revegetated areas during reseeding activities, inspections, and final pictures when revegetation is achieved.	6/10/2025
michael.buchanan	A revegetation report will not be accepted until revegetation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable.	6/10/2025