



November 10, 2023

New Mexico Energy Minerals and Natural Resources Department

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

**Re: Closure Request Addendum
Ross Draw Unit #075H
Incident Number nAPP2231850149
Eddy County, New Mexico**

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of WPX Energy Permian, LLC (WPX), has prepared this *Closure Request Addendum* (CRRA) regarding a produced water release at the Ross Draw Unit #075H (Site), located in Unit C, Section 22, Township 26 South, Range 30 East, in Eddy County, New Mexico (Figure 1). The Site (32.0343971°, -103.8702927°) is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM).

On January 30, 2023, A *Closure Request* (CR), authored by Wescom, Inc (Wescom), was submitted to the New Mexico Oil Conservation Division (NMOCD) for the release associated with Incident Number nAPP2231850149; however, the request was denied. This CRRA addresses the division's concerns regarding horizontal delineation sampling to the strictest Closure Criteria per NMOCD Table I. Based on laboratory analytical results, WPX respectfully requests no further action (NFA) for Incident Number nAPP2231850149. The original CR and other supporting documents can be viewed on the NMOCD web portal.

BACKGROUND

On November 14, 2022, a pipe broke when WPX personnel were changing out a check-valve. This incident resulted in the release of approximately 5 barrels (bbls) of produced water inside the earthen containment and the release impacted a small area off-pad on the south side of the earthen berm. The spill impacted approximately 280 square feet (sq. ft) on pad and approximately 160 sq. ft off-pad (see Figure 2). WPX reported the release to the NMOCD on a Release Notification Form C-141 (Form C-141) on November 14, 2022, and the release was assigned Incident Number nAPP2231850149 (see Appendix A).

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 (19.15.29) of the New Mexico Administrative Code (NMAC). Results from the characterization desktop review are presented on page 3 of Form C-141, Site Assessment/Characterization. Potential Site receptors are identified in Figure 1.

Depth to groundwater at the Site is greater than 105 feet below ground surface (bgs) based on a recent soil boring drilled for determination of regional groundwater depth. On December 8, 2020, a soil boring (MW-1) was drilled at the Ross Draw Unit #038 location utilizing a track-mounted hollow-stem auger rig. Soil boring MW-1 was drilled to a depth of 105 feet bgs. The location of the borehole is approximately 0.29 miles southwest of the release area and is depicted in Figure 1. A field geologist logged and described soils continuously. No moisture or groundwater was encountered during drilling activities. The borehole was left open for over 72 hours to allow for potential slow infill of groundwater. After the 72-hour waiting period without observing groundwater, it was confirmed groundwater beneath the Site is greater than 105 feet bgs. The borehole was properly abandoned with drill cuttings and hydrated bentonite chips. The Well Record and Log is included in Appendix B.

The closest continuously flowing or significant watercourse to the Site is an intermittent dry wash, located approximately 301 feet northwest of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (medium potential karst designation area). Site receptors are identified in Figure 1.

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

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

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

SITE ASSESSMENT AND DELINEATION SAMPLING

Beginning on November 30, 2022, Wescom personnel were onsite to perform delineation soil sampling activities. Delineation soil samples SS02, SS03, SS04, and SS05B were collected at ground surface to verify the lateral release extent and delineation soil sample SS06 at 2-foot bgs was collected to verify the vertical extent of the release area inside the earthen containment. Delineation soil sample SS04 was collected at ground surface; however, it did not meet the strictest Closure Criteria per NMOCD Table I. The on-pad area on the west side of the earthen containment was scraped with a backhoe and delineation soil sample SS04A was collected.

On September 20, 2023, Ensolum personnel visited the Site to perform additional delineation soil sampling activities and to verify the lateral extent of the release areas. Delineation soil samples SS08 through SS11 were collected around the off-pad release extent and delineation soil sample SS12 was collected from an area inside the earthen secondary containment. All delineation soil samples were collected at 0.5 feet bgs. Delineation soil samples were field screened for chloride using either Hach® chloride QuanTab® test strips or the MOHR method titration. The release extent and soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2. Photographic documentation was collected, and a photographic log is included in Appendix C.

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

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for lateral delineation soils samples SS02, SS03, SS04, and SS05B were all in compliance with Site Closure Criteria and with the reclamation requirement except SS04. Delineation soil sample SS04A, was in compliance with the Site Closure Criteria and with the reclamation requirement. Vertical delineation soil sample SS06 was in compliance with the Site Closure Criteria and with the reclamation requirement at 2 feet bgs.

Laboratory analytical results for delineation soil samples SS08 through SS11, collected at 0.5 feet bgs, indicated all COC concentrations were in compliance with the Site Closure Criteria and with the reclamation requirement in the area surrounding the off-pad release. Delineation soil sample SS12, collected at 0.5 feet bgs, was in compliance with the Site Closure Criteria and with the reclamation requirement inside the earthen containment.

CLOSURE REQUEST

Site assessment, delineation soil sampling, and remediation of the on-pad and off-pad spill areas has been completed at this Site. Laboratory analytical results for horizontal delineation soil samples SS02, SS03, SS04A, SS05B, and SS08 through SS12, collected at ground surface and around the on pad and off pad release extents, indicate all COC concentrations are in compliance with the Site Closure Criteria and with the reclamation requirement. Vertical delineation sampling to the strictest Closure Criteria per NMOCD Table I was completed inside the earthen containment and any impacts to the off-pad spill area were removed via excavation.

Wescom personnel were onsite to oversee the removal of impacted soil from the on-pad and off-pad spill areas and from sample area SS04 as described in the January 2023 CR. Hand tools were used to remove impacted soils inside the earthen containment and from beneath the process pipping and water transfer pump. A backhoe was used to scrape the west side of the earthen containment and to complete remediation of the off-pad spill area. Approximately 8 cubic yards of soil were removed from the off-pad spill area and hauled to an approved disposal facility.

Following remediation efforts, three composite confirmation soil samples were collected. Two confirmation samples (CONF01-0' and CONF02-0') were collected from the on-pad spill area and one confirmation sample (CONF03-1') was collected from the off-pad spill area. Confirmation soil samples (CONF01-0' and CONF02-0') collected from inside the earthen containment were in compliance with the Site Closure Criteria and confirmation soil sample (CONF03-1') collected from the off-pad spill area was in compliance with Site Closure Criteria and with the reclamation requirement. The off-pad excavation has been backfilled, recontoured, and seeded with an approved BLM seed mixture.

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, WPX believes their actions have been protective of human health, the environment, and groundwater. As such, WPX respectfully requests closure for Incident Number nAPP2231850149.

Ross Draw Unit #075H



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

Sincerely,
Ensolum, LLC

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

Ashley Giovengo
Senior Engineer

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

Daniel R. Moir, P.G.
Senior Managing Geologist

cc: Jim Raley, Devon Energy
Crisha A. Morgan, BLM

Appendices:

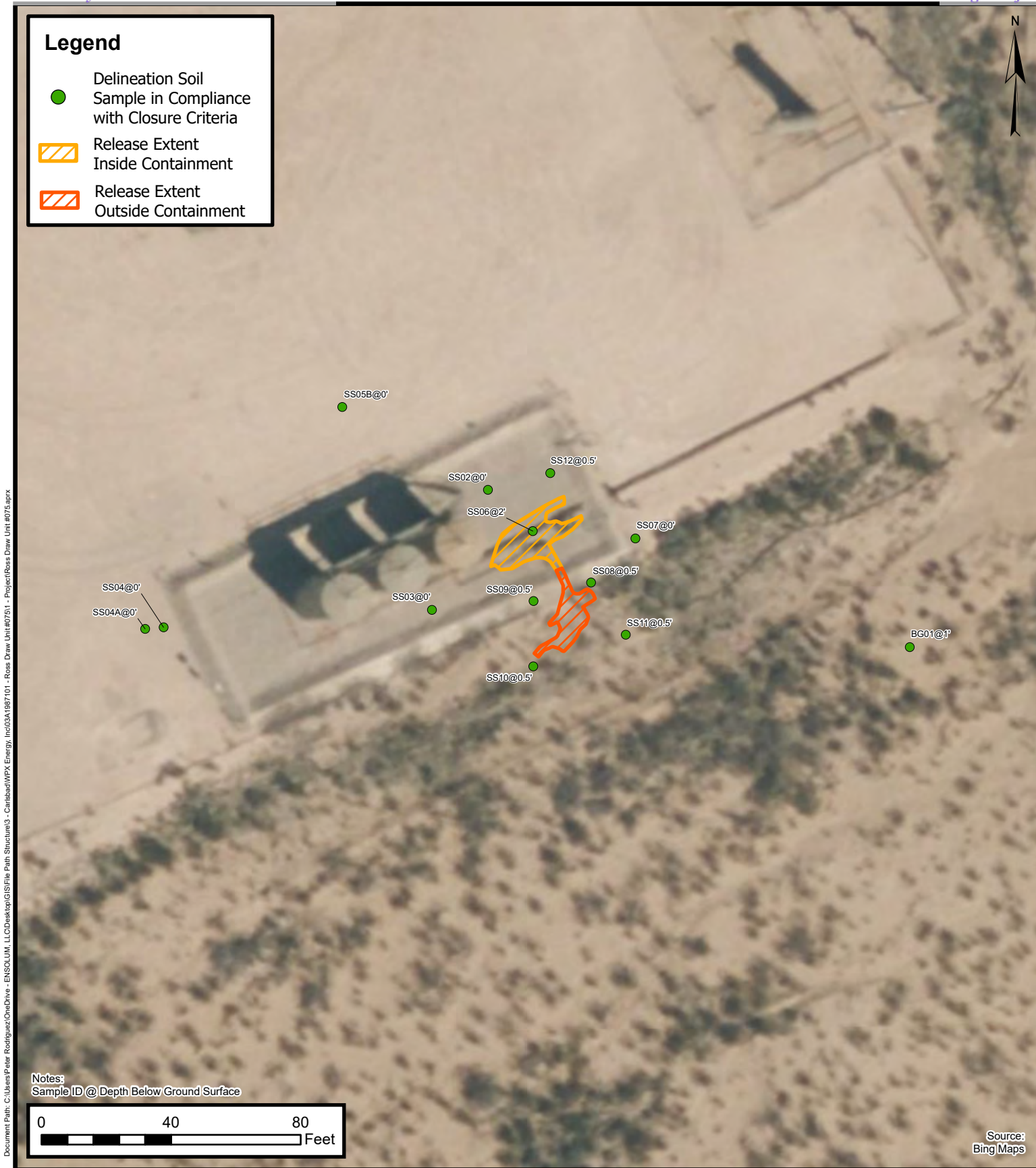
Figure 1	Site Receptor Map
Figure 2	Delineation Soil Sample Locations
Figure 3	Confirmation Soil Sample Locations
Table 1	Delineation Soil Sample Analytical Results
Table 2	Confirmation Soil Sample Analytical Results
Appendix A	Form C-141
Appendix B	Well Log and Record
Appendix C	Photographic Log
Appendix D	Laboratory Analytical Reports & Chain-of-Custody Documentation
Appendix E	Email Correspondence



FIGURES



FIGURE 1



Delineation Soil Sample Locations

WPX Energy Permian, LLC

Ross Draw Unit #075H

Project Number: 03A1987101

Unit C, Section 22, T 26S, R 30E

Eddy County, New Mexico

FIGURE

2

Legend

- Confirmation Soil Sample in Compliance with Closure Criteria
- Excavation Extent Inside Containment
- Excavation Extent Outside Containment



CONF01@0'

CONF02@0'

CONF03@1'

Notes:
Sample ID @ Depth Below Ground Surface

0 25 50
Feet

Source:
Bing Maps

**Confirmation Soil Sample Locations**

WPX Energy Permian, LLC

Ross Draw Unit #075H

Project Number: 03A1987101

Unit C, Section 22, T 26S, R 30E

Eddy County, New Mexico

FIGURE**3**



TABLES



TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
 Ross Draw Unit #075H
 WPX Energy Permian, LLC
 Eddy County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
Delineation Soil Samples										
BG01	11/18/2022	0	<0.0250	0.1298	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BG01	11/18/2022	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
SS02	11/30/2022	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<50.0	<20.0
SS03	11/30/2022	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<50.0	<20.0
SS04	12/15/2022	0	<0.0250	<0.0250	<20.0	170	271	170	441	<20.0
SS04A	1/4/2023	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<50.0	382
SS05B	11/30/2022	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<50.0	<20.0
SS06	12/15/2022	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<50.0	334
SS07	12/15/2022	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<20.0	<50.0	<20.0
SS08	9/20/2023	0.5	<0.025	<0.025	<20.0	<25.0	<50.0	<20.0	<50.0	<20.0
SS09	9/20/2023	0.5	<0.025	<0.025	<20.0	<25.0	<50.0	<20.0	<50.0	25
SS10	9/20/2023	0.5	<0.025	<0.025	<20.0	<25.0	<50.0	<20.0	<50.0	<20.0
SS11	9/20/2023	0.5	<0.025	<0.025	<20.0	<25.0	<50.0	<20.0	<50.0	<20.0
SS12	9/20/2023	0.5	<0.025	<0.025	<20.0	<25.0	<50.0	<20.0	<50.0	<20.0

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Grey text represents samples that have been excavated

<: Laboratory Analytical result is less than reporting limit

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

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

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes



TABLE 2
SOIL SAMPLE ANALYTICAL RESULTS
 Ross Draw Unit #075H
 WPX Energy Permian, LLC
 Eddy County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	10,000
Confirmation Soil Samples										
CONF01	12/22/2022	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	2,800
CONF02	12/22/2022	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	835
CONF03	11/30/2022	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	358

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Grey text represents samples that have been excavated

<: Laboratory Analytical result is less than reporting limit

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

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

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes



APPENDIX A

Form C-141

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

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

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	nAPP2231850149
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party WPX Energy Permian, LLC	OGRID 246289
Contact Name Jim Raley	Contact Telephone 575-689-7597
Contact email Jim.Raley@dvn.com	Incident # (assigned by OCD) nAPP2231850149
Contact mailing address 5315 Buena Vista Drive, Carlsbad, NM 88220	

Location of Release Source

Latitude 32.0343971 Longitude -103.8702927
(NAD 83 in decimal degrees to 5 decimal places)

Site Name ROSS DRAW UNIT #075H	Site Type Oil Well
Date Release Discovered 11/14/2022	API# (if applicable) 30-015-38240

Unit Letter	Section	Township	Range	County
C	22	26S	30E	Eddy

Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private (Name: _____)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 5	Volume Recovered (bbls) 0
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release: While changing out a check valve piping broke, allowing approx.. 5 bbls of produced water to be released to earthen secondary containment, and a small amount outside of berm.


$$bbl\ estimate = \frac{saturated\ soil\ volume\ (ft^3)}{4.21(bbl\ equivalent)} * estimated\ soil\ porosity(\%) + recovered\ fluids\ (bbl)$$

Incident ID	nAPP2231850149
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Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? 	

Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why: 	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
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.	
Printed Name: <u>Jim Raley</u> Title: <u>Environmental Professional</u>	
Signature: <u></u> Date: <u>11/14/2022</u>	
email: <u>jim.raley@dvn.com</u> Telephone: <u>575-689-7597</u>	
<u>OCD Only</u> Received by: _____ Date: _____	

Incident ID	nAPP2231850149
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>>105</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: *Each of the following items must be included in the report.*

- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☒ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☒ Boring or excavation logs
- ☒ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

State of New Mexico
Oil Conservation Division

Page 4

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District RP	
Facility ID	
Application ID	

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.

Printed Name: Jim Raley

Title: Environmental Specialist

Signature: 

Date: 11/16/2023

email: jim.raley@dm.com

Telephone: 575-689-7597

OCD Only

Received by: _____

Date: _____

Incident ID	nAPP2231850149
District RP	
Facility ID	
Application ID	

Closure

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 (electronic submittals in .pdf format are preferred) 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.


Closure Report Attachment Checklist: *Each of the following items must be included in the closure report.*

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

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.

Printed Name: Jim Raley

Title: Environmental Specialist

Signature: 

Date: 11/16/2023

email: jim.raley@dm.com

Telephone: 575-689-7597

OCD Only

Received by: _____

Date: _____

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: Scott Rodgers Date: 03/15/2024


Printed Name: Scott Rodgers

Title: Environmental Specialist Adv.



APPENDIX B

Well Record

 HRL COMPLIANCE SOLUTIONS							BORING LOG/MONITORING WELL COMPLETION DIAGRAM						
							Boring/Well Number: MW-1			Location: Ross Draw Unit #38			
							Date: 12/8/2020			Client: WPX Energy			
Drilling Method: Air Rotary			Sampling Method: None				Logged By: J. Linn, PG			Drilled By: Talon LPE			
Gravel Pack Type: 10/20 Sand			Gravel Pack Depth Interval: 3 Bags				Seal Type: None		Seal Depth Interval: None		Latitude: 32.030300		
Casing Type: PVC		Diameter: 2-inch		Depth Interval: 0-100 feet bgs			Boring Total Depth (ft. BGS): 105			Longitude: -103.871338			
Screen Type: PVC		Slot: 0.010-inch		Diameter: 2-inch		Depth Interval: 100-105 ft		Well Total Depth (ft. BGS): 105			Depth to Water (ft. BTOC): > 105		
DTW Date: 12/16/2020													
Depth Interval (ft)	Recovery (ft)	Plasticity	Moisture	Odor	Staining	PID (ppm)	USCS	Sample ID	Lithology/Remarks			Well Completion	
0	NM	L	D	N	N	NM	SW	NS	Pale orange/pale pink to buff colored fine sand with minor medium and coarse sand				
5													
10													
15													
20	NM	L	D	N	N	NM	SP	NS	Pale orange/pale pink poorly graded fine sand				
25													
30													
35	NM	L	D	N	N	NM	SP	NS	Tan/pale brown/pale orange poorly graded fine sand				
40													
45													
50													
55													
60													
65	NM	L	D	N	N	NM	SP	NS	Brick red brown poorly graded fine sand				
70													
75													
80													
85													
90													
95	NM	L	D	N	N	NM	SP	NS	Tan/pale brown/pale orange poorly graded fine sand - TD 105' BGS				
100													



APPENDIX C

Photographic Log



Photographic Log

WPX Energy Permian, LLC

Ross Draw Unit #075H

nAPP2231850149



Photograph 1

Date: 9/20/2023

Description: Lease Sign

View: Southeast

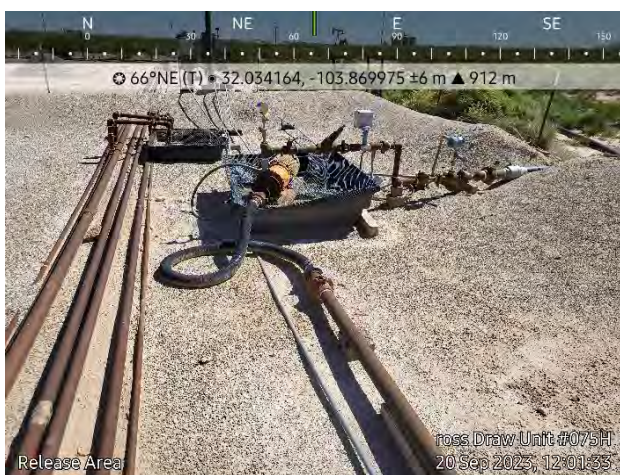


Photograph 2

Date: 9/20/2023

Description: Vertical Delineation

View: Southeast



Photograph 3

Date: 9/20/2023

Description: Release Area

View: East



Photograph 4

Date: 9/20/2023

Description: Vertical Delineation

View: Northeast



APPENDIX D

Laboratory Analytical Reports & Chain-of-Custody Documentation

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name: Ross Draw Unit #075H - 11.6.22
Spill

Work Order: E212027

Job Number: 01058-0007

Received: 12/5/2022

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
12/15/22

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.
Envirotech Inc. holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 12/15/22

Ashley Giovengo
6488 7 Rivers Hwy
Artesia, NM 88210



Project Name: Ross Draw Unit #075H - 11.6.22 Spill
Workorder: E212027
Date Received: 12/5/2022 8:15:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/5/2022 8:15:00AM, under the Project Name: Ross Draw Unit #075H - 11.6.22 Spill.

The analytical test results summarized in this report with the Project Name: Ross Draw Unit #075H - 11.6.22 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

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

Field Offices:

Southern New Mexico Area
Lynn Jarboe

West Texas Midland/Odessa Area
Tom Brown

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Sample Summary

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #075H - 11.6.22 Spill Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 12/15/22 13:33
---	--	-----------------------------

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS01 - 2'	E212027-01A	Soil	11/30/22	12/05/22	Glass Jar, 4 oz.
SS01 - 4'	E212027-02A	Soil	11/30/22	12/05/22	Glass Jar, 4 oz.
SS01 - 6'	E212027-03A	Soil	11/30/22	12/05/22	Glass Jar, 4 oz.
SS01 - 8'	E212027-04A	Soil	11/30/22	12/05/22	Glass Jar, 4 oz.
SS01 - 10'	E212027-05A	Soil	11/30/22	12/05/22	Glass Jar, 4 oz.
SS01 - 12'	E212027-06A	Soil	11/30/22	12/05/22	Glass Jar, 4 oz.
SS02 - 0'	E212027-07A	Soil	11/30/22	12/05/22	Glass Jar, 4 oz.
SS03 - 0'	E212027-08A	Soil	11/30/22	12/05/22	Glass Jar, 4 oz.
SS05B - 0'	E212027-09A	Soil	11/30/22	12/05/22	Glass Jar, 4 oz.



Case Narrative:

Project Name: Ross Draw Unit #075H- 11.6.22 Spill

Workorder: E212027

Date Received: 12-05-2022

The client requested the following sample(s) to be re-extracted and re-analyzed:

<u>Sample Name</u>	<u>Laboratory ID</u>	<u>Analysis</u>
SS01-12'	E212027-06A	GRO by 8015
SS01-12'	E212027-06A	DRO-ORO by 8015

The analytical test results summarized in this revised report represent this re-extraction and re-analysis.

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

Respectfully,

Walter Hinchman



Sample Data

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

Project Name: Ross Draw Unit #075H - 11.6.22 Spill
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
12/15/2022 1:33:18PM

SS01 - 2'

E212027-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2250019	
Benzene	1.10	0.0500	2	12/05/22	12/07/22	
Ethylbenzene	7.75	0.0500	2	12/05/22	12/07/22	
Toluene	20.2	0.0500	2	12/05/22	12/07/22	
o-Xylene	19.6	0.0500	2	12/05/22	12/07/22	
p,m-Xylene	46.3	0.100	2	12/05/22	12/07/22	
Total Xylenes	65.9	0.0500	2	12/05/22	12/07/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	114 %	70-130		12/05/22	12/07/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2250019	
Gasoline Range Organics (C6-C10)	547	40.0	2	12/05/22	12/07/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	117 %	70-130		12/05/22	12/07/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2250052	
Diesel Range Organics (C10-C28)	7510	250	10	12/07/22	12/08/22	
Oil Range Organics (C28-C36)	1680	500	10	12/07/22	12/08/22	
<i>Surrogate: n-Nonane</i>						
	140 %	50-200		12/07/22	12/08/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2250049	
Chloride	146	20.0	1	12/07/22	12/07/22	



Sample Data

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

Project Name: Ross Draw Unit #075H - 11.6.22 Spill
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
12/15/2022 1:33:18PM

SS01 - 4'

E212027-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2250019
Benzene	0.0494	0.0250	1	12/05/22	12/06/22	
Ethylbenzene	0.338	0.0250	1	12/05/22	12/06/22	
Toluene	0.133	0.0250	1	12/05/22	12/06/22	
o-Xylene	0.976	0.0250	1	12/05/22	12/06/22	
p,m-Xylene	2.03	0.0500	1	12/05/22	12/06/22	
Total Xylenes	3.01	0.0250	1	12/05/22	12/06/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		110 %	70-130	12/05/22	12/06/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2250019
Gasoline Range Organics (C6-C10)	71.9	20.0	1	12/05/22	12/06/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		104 %	70-130	12/05/22	12/06/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2250052
Diesel Range Organics (C10-C28)	291	25.0	1	12/07/22	12/08/22	
Oil Range Organics (C28-C36)	76.6	50.0	1	12/07/22	12/08/22	
<i>Surrogate: n-Nonane</i>						
		117 %	50-200	12/07/22	12/08/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2250049
Chloride	2540	20.0	1	12/07/22	12/07/22	



Sample Data

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

Project Name: Ross Draw Unit #075H - 11.6.22 Spill
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
12/15/2022 1:33:18PM

SS01 - 6'

E212027-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2250019
Benzene	ND	0.0250	1	12/05/22	12/07/22	
Ethylbenzene	ND	0.0250	1	12/05/22	12/07/22	
Toluene	ND	0.0250	1	12/05/22	12/07/22	
o-Xylene	ND	0.0250	1	12/05/22	12/07/22	
p,m-Xylene	ND	0.0500	1	12/05/22	12/07/22	
Total Xylenes	ND	0.0250	1	12/05/22	12/07/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		107 %	70-130	12/05/22	12/07/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2250019
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/22	12/07/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		98.9 %	70-130	12/05/22	12/07/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2250052
Diesel Range Organics (C10-C28)	74.3	25.0	1	12/07/22	12/08/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/07/22	12/08/22	
<i>Surrogate: n-Nonane</i>						
		122 %	50-200	12/07/22	12/08/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2250049
Chloride	1360	20.0	1	12/07/22	12/07/22	



Sample Data

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

Project Name: Ross Draw Unit #075H - 11.6.22 Spill
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
12/15/2022 1:33:18PM

SS01 - 8'

E212027-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2250019	
Benzene	ND	0.0250	1	12/05/22	12/07/22	
Ethylbenzene	ND	0.0250	1	12/05/22	12/07/22	
Toluene	ND	0.0250	1	12/05/22	12/07/22	
o-Xylene	0.0360	0.0250	1	12/05/22	12/07/22	
p,m-Xylene	0.0983	0.0500	1	12/05/22	12/07/22	
Total Xylenes	0.134	0.0250	1	12/05/22	12/07/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		108 %	70-130	12/05/22	12/07/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2250019	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/22	12/07/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.9 %	70-130	12/05/22	12/07/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2250052	
Diesel Range Organics (C10-C28)	208	25.0	1	12/07/22	12/08/22	
Oil Range Organics (C28-C36)	58.8	50.0	1	12/07/22	12/08/22	
<i>Surrogate: n-Nonane</i>		122 %	50-200	12/07/22	12/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2250049	
Chloride	164	20.0	1	12/07/22	12/07/22	



Sample Data

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

Project Name: Ross Draw Unit #075H - 11.6.22 Spill
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
12/15/2022 1:33:18PM

SS01 - 10'

E212027-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2250019
Benzene	ND	0.0250	1	12/05/22	12/07/22	
Ethylbenzene	ND	0.0250	1	12/05/22	12/07/22	
Toluene	ND	0.0250	1	12/05/22	12/07/22	
o-Xylene	ND	0.0250	1	12/05/22	12/07/22	
p,m-Xylene	ND	0.0500	1	12/05/22	12/07/22	
Total Xylenes	ND	0.0250	1	12/05/22	12/07/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	12/05/22	12/07/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2250019
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/22	12/07/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.1 %	70-130	12/05/22	12/07/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2250052
Diesel Range Organics (C10-C28)	30.0	25.0	1	12/07/22	12/08/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/07/22	12/08/22	
<i>Surrogate: n-Nonane</i>						
		127 %	50-200	12/07/22	12/08/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2250049
Chloride	63.6	20.0	1	12/07/22	12/07/22	



Sample Data

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

Project Name: Ross Draw Unit #075H - 11.6.22 Spill
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
12/15/2022 1:33:18PM

SS01 - 12'

E212027-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2250019
Benzene	ND	0.0250	1	12/05/22	12/07/22	
Ethylbenzene	ND	0.0250	1	12/05/22	12/07/22	
Toluene	ND	0.0250	1	12/05/22	12/07/22	
o-Xylene	0.0425	0.0250	1	12/05/22	12/07/22	
p,m-Xylene	0.133	0.0500	1	12/05/22	12/07/22	
Total Xylenes	0.175	0.0250	1	12/05/22	12/07/22	
Surrogate: 4-Bromochlorobenzene-PID		107 %	70-130	12/05/22	12/07/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2251018
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/22	12/13/22	
Surrogate: Bromofluorobenzene		97.8 %	70-130	12/13/22	12/13/22	
Surrogate: 1,2-Dichloroethane-d4		95.9 %	70-130	12/13/22	12/13/22	
Surrogate: Toluene-d8		99.7 %	70-130	12/13/22	12/13/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2251017
Diesel Range Organics (C10-C28)	90.5	25.0	1	12/13/22	12/13/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/13/22	12/13/22	
Surrogate: n-Nonane		108 %	50-200	12/13/22	12/13/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2250049
Chloride	51.7	20.0	1	12/07/22	12/07/22	



Sample Data

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

Project Name: Ross Draw Unit #075H - 11.6.22 Spill
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
12/15/2022 1:33:18PM

SS02 - 0'

E212027-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2250019
Benzene	ND	0.0250	1	12/05/22	12/07/22	
Ethylbenzene	ND	0.0250	1	12/05/22	12/07/22	
Toluene	ND	0.0250	1	12/05/22	12/07/22	
o-Xylene	ND	0.0250	1	12/05/22	12/07/22	
p,m-Xylene	ND	0.0500	1	12/05/22	12/07/22	
Total Xylenes	ND	0.0250	1	12/05/22	12/07/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	12/05/22	12/07/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2250019
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/22	12/07/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		99.0 %	70-130	12/05/22	12/07/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2250052
Diesel Range Organics (C10-C28)	ND	25.0	1	12/07/22	12/08/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/07/22	12/08/22	
<i>Surrogate: n-Nonane</i>						
		117 %	50-200	12/07/22	12/08/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2250049
Chloride	ND	20.0	1	12/07/22	12/07/22	



Sample Data

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

Project Name: Ross Draw Unit #075H - 11.6.22 Spill
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
12/15/2022 1:33:18PM

SS03 - 0'

E212027-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2250019	
Benzene	ND	0.0250	1	12/05/22	12/07/22	
Ethylbenzene	ND	0.0250	1	12/05/22	12/07/22	
Toluene	ND	0.0250	1	12/05/22	12/07/22	
o-Xylene	ND	0.0250	1	12/05/22	12/07/22	
p,m-Xylene	ND	0.0500	1	12/05/22	12/07/22	
Total Xylenes	ND	0.0250	1	12/05/22	12/07/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	12/05/22	12/07/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2250019	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/22	12/07/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		97.6 %	70-130	12/05/22	12/07/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2250052	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/07/22	12/08/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/07/22	12/08/22	
<i>Surrogate: n-Nonane</i>						
		122 %	50-200	12/07/22	12/08/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2250049	
Chloride	ND	20.0	1	12/07/22	12/07/22	



Sample Data

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

Project Name: Ross Draw Unit #075H - 11.6.22 Spill
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
12/15/2022 1:33:18PM

SS05B - 0'

E212027-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2250019
Benzene	ND	0.0250	1	12/05/22	12/07/22	
Ethylbenzene	ND	0.0250	1	12/05/22	12/07/22	
Toluene	ND	0.0250	1	12/05/22	12/07/22	
o-Xylene	ND	0.0250	1	12/05/22	12/07/22	
p,m-Xylene	ND	0.0500	1	12/05/22	12/07/22	
Total Xylenes	ND	0.0250	1	12/05/22	12/07/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	12/05/22	12/07/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2250019
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/22	12/07/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		98.2 %	70-130	12/05/22	12/07/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2250052
Diesel Range Organics (C10-C28)	ND	25.0	1	12/07/22	12/08/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/07/22	12/08/22	
<i>Surrogate: n-Nonane</i>						
		120 %	50-200	12/07/22	12/08/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2250049
Chloride	ND	20.0	1	12/07/22	12/07/22	



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Ross Draw Unit #075H - 11.6.22 Spill	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/15/2022 1:33:18PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2250019-BLK1)

Prepared: 12/05/22 Analyzed: 12/06/22

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	8.45		8.00		106	70-130			

LCS (2250019-BS1)

Prepared: 12/05/22 Analyzed: 12/06/22

Benzene	4.92	0.0250	5.00		98.5	70-130			
Ethylbenzene	5.08	0.0250	5.00		102	70-130			
Toluene	5.16	0.0250	5.00		103	70-130			
o-Xylene	5.23	0.0250	5.00		105	70-130			
p,m-Xylene	10.3	0.0500	10.0		103	70-130			
Total Xylenes	15.5	0.0250	15.0		104	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.54		8.00		107	70-130			

Matrix Spike (2250019-MS1)

Source: E212027-02

Prepared: 12/05/22 Analyzed: 12/07/22

Benzene	4.65	0.0250	5.00	0.0494	92.0	54-133			
Ethylbenzene	4.91	0.0250	5.00	0.338	91.5	61-133			
Toluene	4.89	0.0250	5.00	0.133	95.2	61-130			
o-Xylene	5.13	0.0250	5.00	0.976	83.1	63-131			
p,m-Xylene	10.1	0.0500	10.0	2.03	80.8	63-131			
Total Xylenes	15.2	0.0250	15.0	3.01	81.6	63-131			
Surrogate: 4-Bromochlorobenzene-PID	8.78		8.00		110	70-130			

Matrix Spike Dup (2250019-MSD1)

Source: E212027-02

Prepared: 12/05/22 Analyzed: 12/07/22

Benzene	4.80	0.0250	5.00	0.0494	95.0	54-133	3.18	20	
Ethylbenzene	5.14	0.0250	5.00	0.338	96.1	61-133	4.53	20	
Toluene	5.09	0.0250	5.00	0.133	99.1	61-130	3.93	20	
o-Xylene	5.44	0.0250	5.00	0.976	89.3	63-131	5.82	20	
p,m-Xylene	10.7	0.0500	10.0	2.03	86.9	63-131	5.90	20	
Total Xylenes	16.2	0.0250	15.0	3.01	87.7	63-131	5.87	20	
Surrogate: 4-Bromochlorobenzene-PID	8.80		8.00		110	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Ross Draw Unit #075H - 11.6.22 Spill	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/15/2022 1:33:18PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2250019-BLK1)

Prepared: 12/05/22 Analyzed: 12/06/22

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

LCS (2250019-BS2)

Prepared: 12/05/22 Analyzed: 12/06/22

Gasoline Range Organics (C6-C10)	52.3	20.0	50.0		105	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.83		8.00		97.9	70-130			

Matrix Spike (2250019-MS2)

Source: E212027-02

Prepared: 12/05/22 Analyzed: 12/07/22

Gasoline Range Organics (C6-C10)	71.1	20.0	50.0	71.9	NR	70-130			M2
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.83		8.00		97.9	70-130			

Matrix Spike Dup (2250019-MSD2)

Source: E212027-02

Prepared: 12/05/22 Analyzed: 12/07/22

Gasoline Range Organics (C6-C10)	82.6	20.0	50.0	71.9	21.4	70-130	14.9	20	M2
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.83		8.00		97.9	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Ross Draw Unit #075H - 11.6.22 Spill	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/15/2022 1:33:18PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2251018-BLK1)

Prepared: 12/13/22 Analyzed: 12/13/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.500		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.494		0.500		98.7	70-130			
Surrogate: Toluene-d8	0.508		0.500		102	70-130			

LCS (2251018-BS2)

Prepared: 12/13/22 Analyzed: 12/13/22

Gasoline Range Organics (C6-C10)	56.9	20.0	50.0		114	70-130			
Surrogate: Bromofluorobenzene	0.486		0.500		97.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.466		0.500		93.1	70-130			
Surrogate: Toluene-d8	0.509		0.500		102	70-130			

LCS Dup (2251018-BSD2)

Prepared: 12/13/22 Analyzed: 12/13/22

Gasoline Range Organics (C6-C10)	56.1	20.0	50.0		112	70-130	1.45	20	
Surrogate: Bromofluorobenzene	0.489		0.500		97.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.488		0.500		97.6	70-130			
Surrogate: Toluene-d8	0.510		0.500		102	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Ross Draw Unit #075H - 11.6.22 Spill	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/15/2022 1:33:18PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

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 (2250052-BLK1)					Prepared: 12/07/22 Analyzed: 12/08/22				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	66.7		50.0		133	50-200			

LCS (2250052-BS1)					Prepared: 12/07/22 Analyzed: 12/08/22				
Diesel Range Organics (C10-C28)	225	25.0	250		90.2	38-132			
Surrogate: n-Nonane	61.7		50.0		123	50-200			

Matrix Spike (2250052-MS1)					Source: E212025-02		Prepared: 12/07/22 Analyzed: 12/08/22		
Diesel Range Organics (C10-C28)	393	25.0	250	173	88.1	38-132			
Surrogate: n-Nonane	63.7		50.0		127	50-200			

Matrix Spike Dup (2250052-MSD1)					Source: E212025-02		Prepared: 12/07/22 Analyzed: 12/08/22		
Diesel Range Organics (C10-C28)	412	25.0	250	173	95.8	38-132	4.79	20	
Surrogate: n-Nonane	63.2		50.0		126	50-200			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Ross Draw Unit #075H - 11.6.22 Spill	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/15/2022 1:33:18PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

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 (2251017-BLK1)					Prepared: 12/13/22 Analyzed: 12/13/22				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	50.5		50.0		101	50-200			

LCS (2251017-BS1)					Prepared: 12/13/22 Analyzed: 12/13/22				
Diesel Range Organics (C10-C28)	262	25.0	250		105	38-132			
Surrogate: n-Nonane	51.5		50.0		103	50-200			

Matrix Spike (2251017-MS1)					Source: E212064-04		Prepared: 12/13/22 Analyzed: 12/13/22		
Diesel Range Organics (C10-C28)	283	25.0	250	ND	113	38-132			
Surrogate: n-Nonane	49.3		50.0		98.6	50-200			

Matrix Spike Dup (2251017-MSD1)					Source: E212064-04		Prepared: 12/13/22 Analyzed: 12/13/22		
Diesel Range Organics (C10-C28)	275	25.0	250	ND	110	38-132	2.74	20	
Surrogate: n-Nonane	48.3		50.0		96.6	50-200			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Ross Draw Unit #075H - 11.6.22 Spill	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/15/2022 1:33:18PM

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 (2250049-BLK1)					Prepared: 12/07/22 Analyzed: 12/07/22				
Chloride	ND	20.0							
LCS (2250049-BS1)					Prepared: 12/07/22 Analyzed: 12/07/22				
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2250049-MS1)					Source: E212025-01		Prepared: 12/07/22 Analyzed: 12/07/22		
Chloride	256	20.0	250	ND	102	80-120			
Matrix Spike Dup (2250049-MSD1)					Source: E212025-01		Prepared: 12/07/22 Analyzed: 12/07/22		
Chloride	254	20.0	250	ND	102	80-120	0.687	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:	Ross Draw Unit #075H - 11.6.22 Spill	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/15/22 13:33

- M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

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

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



Released to Imaging: 5/15/2024 3:09:56 PM

Received by OCD: 11/16/2023 8:25:57 AM

Project Information

Chain of Custody

Client: Devon	Bill To	Lab Use Only	TAT				EPA Program						
Project: Ross Draw Unit #075H - 11.6.22 spill	Attention: Jim Raley	Lab WO# E212027	Job Number 0658-0007	1D	2D	3D	Standard	CWA	SDWA				
Project Manager: Ashley Giovengo	Address: 5315 Buena Vista Dr	Analysis and Method							RCRA				
Address: 1224 Standpipe Rd	City, State, Zip: Calsbad, NM 88220	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX				
City, State, Zip: Carlsbad, NM 88220	Phone: 575-689-7597								State				
Phone: 505-382-1211	Email: jim.raley@dvn.com								NM	CO	UT	AZ	TX
Email: ashley.giovengo@wescominc.com									Remarks				
Report due by:													

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
10:26	11/30/22	Soil	1 Jar	SS01 - 2'	1							X		
9:55	11/30/22	Soil	1 Jar	SS01 - 4'	2							X		
11:23	11/30/22	Soil	1 Jar	SS01 - 6'	3							X		
11:30	11/30/22	Soil	1 Jar	SS01 - 8'	4							X		
12:46	11/30/22	Soil	1 Jar	SS01 - 10'	5							X		
14:17	11/30/22	Soil	1 Jar	SS01 - 12'	6							X		
10:02	11/30/22	Soil	1 Jar	SS02 - 0'	7							X		
11:04	11/30/22	Soil	1 Jar	SS03 - 0'	8							X		
12:21	11/30/22	Soil	1 Jar	SS05B - 0'	9							X		

Additional Instructions: Kept on ice, Please CC: cole.burton@wescominc.com, shar.harvester@wescominc.com, jim.raley@dvn.com, ashley.giovengo@wescominc.com, israel.estrella@wescominc.com

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
<i>Michael Guy</i>	12-02-22	10:12	<i>Michael R. Guy</i>	12-02-22	10:12
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
<i>Michael Guy</i>	12-3-22	1800	<i>Carla Chate</i>	12/5/22	8:15
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only
Received on ice: <input checked="" type="checkbox"/> 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 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



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Envirotech Analytical Laboratory

Printed: 12/5/2022 12:30:34PM

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:	12/05/22 08:15	Work Order ID:	E212027
Phone:	(505) 382-1211	Date Logged In:	12/05/22 09:22	Logged In By:	Caitlin Christian
Email:	ashley.giovengo@wescominc.com	Due Date:	12/09/22 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

White out present on COC when received.

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? No
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: Ross Draw Unit #075H 11.6.22
Spill

Work Order: E212112

Job Number: 01058-0007

Received: 12/19/2022

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
12/22/22

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.
Envirotech Inc. holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 12/22/22



Ashley Giovengo
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Ross Draw Unit #075H 11.6.22 Spill
Workorder: E212112
Date Received: 12/19/2022 8:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/19/2022 8:30:00AM, under the Project Name: Ross Draw Unit #075H 11.6.22 Spill.

The analytical test results summarized in this report with the Project Name: Ross Draw Unit #075H 11.6.22 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

Raina Schwanz
Laboratory Administrator
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rainaschwanz@envirotech-inc.com

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

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ljjarboe@envirotech-inc.com

West Texas Midland/Odessa Area
Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Devon Energy - Carlsbad	Project Name:	Ross Draw Unit #075H 11.6.22 Spill	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/22/22 14:11

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS04- 0'	E212112-01A	Soil	12/15/22	12/19/22	Glass Jar, 2 oz.
SS06 - 2'	E212112-02A	Soil	12/15/22	12/19/22	Glass Jar, 2 oz.
SS07 - 0'	E212112-03A	Soil	12/15/22	12/19/22	Glass Jar, 2 oz.



Sample Data

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

Project Name: Ross Draw Unit #075H 11.6.22 Spill
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
12/22/2022 2:11:32PM

SS04- 0'

E212112-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2252005	
Benzene	ND	0.0250	1	12/19/22	12/19/22	
Ethylbenzene	ND	0.0250	1	12/19/22	12/19/22	
Toluene	ND	0.0250	1	12/19/22	12/19/22	
o-Xylene	ND	0.0250	1	12/19/22	12/19/22	
p,m-Xylene	ND	0.0500	1	12/19/22	12/19/22	
Total Xylenes	ND	0.0250	1	12/19/22	12/19/22	
Surrogate: 4-Bromochlorobenzene-PID	96.1 %	70-130		12/19/22	12/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2252005	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/19/22	12/19/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID	99.2 %	70-130		12/19/22	12/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2252008	
Diesel Range Organics (C10-C28)	170	25.0	1	12/19/22	12/20/22	
Oil Range Organics (C28-C36)	271	50.0	1	12/19/22	12/20/22	
Surrogate: n-Nonane	92.0 %	50-200		12/19/22	12/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2252020	
Chloride	ND	20.0	1	12/20/22	12/20/22	



Sample Data

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

Project Name: Ross Draw Unit #075H 11.6.22 Spill
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
12/22/2022 2:11:32PM

SS06 - 2'

E212112-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2252005
Benzene	ND	0.0250	1	12/19/22	12/19/22	
Ethylbenzene	ND	0.0250	1	12/19/22	12/19/22	
Toluene	ND	0.0250	1	12/19/22	12/19/22	
o-Xylene	ND	0.0250	1	12/19/22	12/19/22	
p,m-Xylene	ND	0.0500	1	12/19/22	12/19/22	
Total Xylenes	ND	0.0250	1	12/19/22	12/19/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.5 %	70-130		12/19/22	12/19/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2252005
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/19/22	12/19/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.8 %	70-130		12/19/22	12/19/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2252008
Diesel Range Organics (C10-C28)	ND	25.0	1	12/19/22	12/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/19/22	12/20/22	
<i>Surrogate: n-Nonane</i>						
	94.4 %	50-200		12/19/22	12/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2252020
Chloride	334	20.0	1	12/20/22	12/20/22	



Sample Data

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

Project Name: Ross Draw Unit #075H 11.6.22 Spill
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
12/22/2022 2:11:32PM

SS07 - 0'

E212112-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2252005
Benzene	ND	0.0250	1	12/19/22	12/20/22	
Ethylbenzene	ND	0.0250	1	12/19/22	12/20/22	
Toluene	ND	0.0250	1	12/19/22	12/20/22	
o-Xylene	ND	0.0250	1	12/19/22	12/20/22	
p,m-Xylene	ND	0.0500	1	12/19/22	12/20/22	
Total Xylenes	ND	0.0250	1	12/19/22	12/20/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.3 %	70-130		12/19/22	12/20/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2252005
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/19/22	12/20/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.1 %	70-130		12/19/22	12/20/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2252008
Diesel Range Organics (C10-C28)	ND	25.0	1	12/19/22	12/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/19/22	12/20/22	
<i>Surrogate: n-Nonane</i>						
	105 %	50-200		12/19/22	12/20/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2252020
Chloride	ND	20.0	1	12/20/22	12/20/22	



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Ross Draw Unit #075H 11.6.22 Spill	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/22/2022 2:11:32PM

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 (2252005-BLK1)

Prepared: 12/19/22 Analyzed: 12/19/22

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	7.78		8.00		97.2	70-130			

LCS (2252005-BS1)

Prepared: 12/19/22 Analyzed: 12/19/22

Benzene	4.48	0.0250	5.00		89.6	70-130			
Ethylbenzene	4.67	0.0250	5.00		93.4	70-130			
Toluene	4.75	0.0250	5.00		94.9	70-130			
o-Xylene	4.81	0.0250	5.00		96.2	70-130			
p,m-Xylene	9.49	0.0500	10.0		94.9	70-130			
Total Xylenes	14.3	0.0250	15.0		95.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.81		8.00		97.6	70-130			

Matrix Spike (2252005-MS1)

Source: E212110-02

Prepared: 12/19/22 Analyzed: 12/19/22

Benzene	4.53	0.0250	5.00	ND	90.6	54-133			
Ethylbenzene	4.72	0.0250	5.00	ND	94.4	61-133			
Toluene	4.80	0.0250	5.00	ND	95.9	61-130			
o-Xylene	4.86	0.0250	5.00	ND	97.2	63-131			
p,m-Xylene	9.59	0.0500	10.0	ND	95.9	63-131			
Total Xylenes	14.5	0.0250	15.0	ND	96.3	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.76		8.00		97.0	70-130			

Matrix Spike Dup (2252005-MSD1)

Source: E212110-02

Prepared: 12/19/22 Analyzed: 12/19/22

Benzene	4.47	0.0250	5.00	ND	89.5	54-133	1.21	20	
Ethylbenzene	4.68	0.0250	5.00	ND	93.5	61-133	0.921	20	
Toluene	4.75	0.0250	5.00	ND	94.9	61-130	1.05	20	
o-Xylene	4.81	0.0250	5.00	ND	96.2	63-131	1.03	20	
p,m-Xylene	9.49	0.0500	10.0	ND	94.9	63-131	1.07	20	
Total Xylenes	14.3	0.0250	15.0	ND	95.3	63-131	1.05	20	
Surrogate: 4-Bromochlorobenzene-PID	7.81		8.00		97.6	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Ross Draw Unit #075H 11.6.22 Spill	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/22/2022 2:11:32PM

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 (2252005-BLK1)

Prepared: 12/19/22 Analyzed: 12/19/22

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

LCS (2252005-BS2)

Prepared: 12/19/22 Analyzed: 12/19/22

Gasoline Range Organics (C6-C10)	45.6	20.0	50.0		91.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.66		8.00		95.8	70-130			

Matrix Spike (2252005-MS2)

Source: E212110-02

Prepared: 12/19/22 Analyzed: 12/19/22

Gasoline Range Organics (C6-C10)	45.7	20.0	50.0	ND	91.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.76		8.00		96.9	70-130			

Matrix Spike Dup (2252005-MSD2)

Source: E212110-02

Prepared: 12/19/22 Analyzed: 12/19/22

Gasoline Range Organics (C6-C10)	46.8	20.0	50.0	ND	93.7	70-130	2.47	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.77		8.00		97.1	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Ross Draw Unit #075H 11.6.22 Spill	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/22/2022 2:11:32PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

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 (2252008-BLK1)

Prepared: 12/19/22 Analyzed: 12/19/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	46.5		50.0		93.1	50-200			

LCS (2252008-BS1)

Prepared: 12/19/22 Analyzed: 12/19/22

Diesel Range Organics (C10-C28)	257	25.0	250		103	38-132			
Surrogate: <i>n</i> -Nonane	51.1		50.0		102	50-200			

Matrix Spike (2252008-MS1)

Source: E212089-01

Prepared: 12/19/22 Analyzed: 12/19/22

Diesel Range Organics (C10-C28)	2830	25.0	250	1560	510	38-132			M4
Surrogate: <i>n</i> -Nonane	50.1		50.0		100	50-200			

Matrix Spike Dup (2252008-MSD1)

Source: E212089-01

Prepared: 12/19/22 Analyzed: 12/19/22

Diesel Range Organics (C10-C28)	1620	25.0	250	1560	26.5	38-132	54.3	20	M4, R4
Surrogate: <i>n</i> -Nonane	51.4		50.0		103	50-200			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Ross Draw Unit #075H 11.6.22 Spill	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/22/2022 2:11:32PM

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 (2252020-BLK1)					Prepared: 12/20/22 Analyzed: 12/20/22				
Chloride	ND	20.0							
LCS (2252020-BS1)					Prepared: 12/20/22 Analyzed: 12/20/22				
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2252020-MS1)					Source: E212114-21		Prepared: 12/20/22 Analyzed: 12/20/22		
Chloride	253	20.0	250	ND	101	80-120			
Matrix Spike Dup (2252020-MSD1)					Source: E212114-21		Prepared: 12/20/22 Analyzed: 12/20/22		
Chloride	245	20.0	250	ND	97.8	80-120	3.59	20	

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



Definitions and Notes

Devon Energy - Carlsbad	Project Name:	Ross Draw Unit #075H 11.6.22 Spill	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/22/22 14:11

- 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.
- R4 The RPD exceeded the acceptance limit. Sample visually appears to be non-homogenous.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

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

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



Project Information

Chain of Custody

Page 1 of 1

Client: <u>Devon Energy</u>		Bill To		Lab Use Only		TAT				EPA Program			
Project: <u>RDV # 075H 11.6.22 spill</u>		Attention: <u>Jim Raley</u>		Lab WO# <u>E2/2/12</u>		Job Number <u>01058-0007</u>		1D	2D	3D	Standard	CWA	SDWA
Project Manager: <u>Ashley Giovenego</u>		Address: <u>5315 Buena Vista Dr.</u>		City, State, Zip <u>Carlsbad, NM 88220</u>		Analysis and Method							
Address: <u>1224 Standpipe Rd</u>		City, State, Zip <u>Carlsbad, NM 88220</u>		Phone: <u>505-382-1211</u>		Email: <u>jim.raley@dvn.com</u>		State		RCRA			
Report due by:								NM		CO	UT	AZ	TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BDOC NM	BDOC TX	Remarks
12:14	12/15	Soil	1 jar	SS04-0'	1							X		
12:25	12/15	Soil	1 jar	SS06-2'	2							X		
13:23	12/15	Soil	1 jar	SS07-0'	3							X		

Additional Instructions: Kept on ice, please cc cole.burton@wescominc, jim.raley@dvn.com, ashley.giovenego@wescominc.com and israel.estrella@wescominc.com

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

Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only	
<u>[Signature]</u>		<u>12/16/22</u>	<u>10:42am</u>	<u>[Signature]</u>		<u>12-16-22</u>	<u>10:42</u>	Received on ice: <u>(Y) N</u>	
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1	
<u>[Signature]</u>		<u>12-16-22</u>	<u>11:30</u>	<u>[Signature]</u>		<u>12/19/22</u>	<u>8:30</u>	T2	
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T3	
								AVG Temp °C <u>4</u>	

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

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

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above 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: 12/19/2022 9:05:43AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Devon Energy - Carlsbad	Date Received:	12/19/22 08:30	Work Order ID:	E212112
Phone:	(505) 382-1211	Date Logged In:	12/19/22 09:03	Logged In By:	Caitlin Christian
Email:	ashley.giovengo@wescominc.com	Due Date:	12/23/22 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: UPSComments/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.

→ Ross Draw Unit #075H 11.6.22 spill per Cole Burton

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above 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: Ross Draw Unit #075H

Work Order: E301013

Job Number: 01058-0007

Received: 1/6/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
1/10/23

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.
Envirotech Inc. holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 1/10/23

Ashley Giovengo
6488 7 Rivers Hwy
Artesia, NM 88210



Project Name: Ross Draw Unit #075H
Workorder: E301013
Date Received: 1/6/2023 7:15:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/6/2023 7:15:00AM, under the Project Name: Ross Draw Unit #075H.

The analytical test results summarized in this report with the Project Name: Ross Draw Unit #075H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

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

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Lynn Jarboe
Technical Representative/Client Services
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ljjarboe@envirotech-inc.com

West Texas Midland/Odessa Area
Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Devon Energy - Carlsbad	Project Name:	Ross Draw Unit #075H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	01/10/23 09:09

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS04A - 0'	E301013-01A	Soil	01/04/23	01/06/23	Glass Jar, 2 oz.



Sample Data

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

Project Name: Ross Draw Unit #075H
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
1/10/2023 9:09:54AM

SS04A - 0'

E301013-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2301038
Benzene	ND	0.0250	1	01/06/23	01/06/23	
Ethylbenzene	ND	0.0250	1	01/06/23	01/06/23	
Toluene	ND	0.0250	1	01/06/23	01/06/23	
o-Xylene	ND	0.0250	1	01/06/23	01/06/23	
p,m-Xylene	ND	0.0500	1	01/06/23	01/06/23	
Total Xylenes	ND	0.0250	1	01/06/23	01/06/23	
Surrogate: Bromofluorobenzene	98.7 %	70-130		01/06/23	01/06/23	
Surrogate: 1,2-Dichloroethane-d4	113 %	70-130		01/06/23	01/06/23	
Surrogate: Toluene-d8	97.9 %	70-130		01/06/23	01/06/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2301038
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/06/23	01/06/23	
Surrogate: Bromofluorobenzene	98.7 %	70-130		01/06/23	01/06/23	
Surrogate: 1,2-Dichloroethane-d4	113 %	70-130		01/06/23	01/06/23	
Surrogate: Toluene-d8	97.9 %	70-130		01/06/23	01/06/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2301040
Diesel Range Organics (C10-C28)	ND	25.0	1	01/05/23	01/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/05/23	01/06/23	
Surrogate: n-Nonane	97.5 %	50-200		01/05/23	01/06/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2301046
Chloride	382	20.0	1	01/06/23	01/06/23	



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Ross Draw Unit #075H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	1/10/2023 9:09:54AM

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 (2301038-BLK1)

Prepared: 01/05/23 Analyzed: 01/06/23

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	0.489		0.500		97.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.489		0.500		97.7	70-130			
Surrogate: Toluene-d8	0.492		0.500		98.4	70-130			

LCS (2301038-BS1)

Prepared: 01/05/23 Analyzed: 01/06/23

Benzene	2.60	0.0250	2.50		104	70-130			
Ethylbenzene	2.52	0.0250	2.50		101	70-130			
Toluene	2.52	0.0250	2.50		101	70-130			
o-Xylene	2.63	0.0250	2.50		105	70-130			
p,m-Xylene	5.04	0.0500	5.00		101	70-130			
Total Xylenes	7.67	0.0250	7.50		102	70-130			
Surrogate: Bromofluorobenzene	0.499		0.500		99.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.518		0.500		104	70-130			
Surrogate: Toluene-d8	0.499		0.500		99.7	70-130			

LCS Dup (2301038-BSD1)

Prepared: 01/05/23 Analyzed: 01/06/23

Benzene	2.67	0.0250	2.50		107	70-130	2.49	23	
Ethylbenzene	2.59	0.0250	2.50		104	70-130	2.90	27	
Toluene	2.62	0.0250	2.50		105	70-130	3.89	24	
o-Xylene	2.70	0.0250	2.50		108	70-130	2.85	27	
p,m-Xylene	5.22	0.0500	5.00		104	70-130	3.43	27	
Total Xylenes	7.92	0.0250	7.50		106	70-130	3.23	27	
Surrogate: Bromofluorobenzene	0.501		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.490		0.500		97.9	70-130			
Surrogate: Toluene-d8	0.496		0.500		99.1	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Ross Draw Unit #075H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	1/10/2023 9:09:54AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2301038-BLK1)

Prepared: 01/05/23 Analyzed: 01/06/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.489		0.500		97.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.489		0.500		97.7	70-130			
Surrogate: Toluene-d8	0.492		0.500		98.4	70-130			

LCS (2301038-BS2)

Prepared: 01/05/23 Analyzed: 01/06/23

Gasoline Range Organics (C6-C10)	57.0	20.0	50.0		114	70-130			
Surrogate: Bromofluorobenzene	0.486		0.500		97.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.503		0.500		101	70-130			
Surrogate: Toluene-d8	0.495		0.500		98.9	70-130			

LCS Dup (2301038-BSD2)

Prepared: 01/05/23 Analyzed: 01/06/23

Gasoline Range Organics (C6-C10)	64.2	20.0	50.0		128	70-130	11.9	20	
Surrogate: Bromofluorobenzene	0.494		0.500		98.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.482		0.500		96.4	70-130			
Surrogate: Toluene-d8	0.500		0.500		99.9	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Ross Draw Unit #075H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	1/10/2023 9:09:54AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

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 (2301040-BLK1)					Prepared: 01/05/23 Analyzed: 01/06/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	49.5		50.0		99.0	50-200			

LCS (2301040-BS1)					Prepared: 01/05/23 Analyzed: 01/06/23				
Diesel Range Organics (C10-C28)	234	25.0	250		93.6	38-132			
Surrogate: n-Nonane	50.0		50.0		100	50-200			

Matrix Spike (2301040-MS1)					Source: E301010-25		Prepared: 01/05/23 Analyzed: 01/06/23		
Diesel Range Organics (C10-C28)	241	25.0	250	ND	96.6	38-132			
Surrogate: n-Nonane	46.8		50.0		93.5	50-200			

Matrix Spike Dup (2301040-MSD1)					Source: E301010-25		Prepared: 01/05/23 Analyzed: 01/06/23		
Diesel Range Organics (C10-C28)	247	25.0	250	ND	99.0	38-132	2.44	20	
Surrogate: n-Nonane	49.8		50.0		99.6	50-200			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Ross Draw Unit #075H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	1/10/2023 9:09:54AM

Anions by EPA 300.0/9056A

Analyst: KL

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

Blank (2301046-BLK1)					Prepared: 01/06/23 Analyzed: 01/06/23				
Chloride	ND	20.0							
LCS (2301046-BS1)					Prepared: 01/06/23 Analyzed: 01/06/23				
Chloride	274	20.0	250		110	90-110			
Matrix Spike (2301046-MS1)					Source: E301012-21		Prepared: 01/06/23 Analyzed: 01/06/23		
Chloride	1150	20.0	250	885	106	80-120			
Matrix Spike Dup (2301046-MSD1)					Source: E301012-21		Prepared: 01/06/23 Analyzed: 01/06/23		
Chloride	1120	20.0	250	885	95.6	80-120	2.21	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:	Ross Draw Unit #075H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	01/10/23 09:09

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

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

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

Project Information

Chain of Custody

Page 1 of 1

Client: <u>Dawn Energy</u>		Bill To		Lab Use Only		TAT		EPA Program							
Project: <u>EDU #0754</u>		Attention: <u>Jim Raley</u>		Lab WO# <u>E301013</u>		Job Number <u>01058-0007</u>		1D	2D	3D	Standard	CWA	SDWA		
Project Manager: <u>Ashley Giovenzo</u>		Address: <u>5315 Buena Vista Dr.</u>		City, State, Zip: <u>Carlsbad, NM 88220</u>		Phone: <u>575-689-7597</u>		Email: <u>jim.raley@dvn.com</u>		Report due by:		RCRA			
Address: <u>1224 Standpipe Rd</u>		City, State, Zip: <u>Carlsbad, NM 88220</u>		Phone: <u>505-382-1211</u>		Email: <u>ashley.giovenzo@wescominc.com</u>		State		NM		CO	UT	AZ	TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
5:56	01/04/23	Soil	1	5504A - 0'	1							X		

Additional Instructions: Kept on ice, please cc cole.burton, ashley.giovenzo, israel.estrella@wescominc.com and jim.raley@dvn.com

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

Sampled by:

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

Relinquished by: (Signature) <u>[Signature]</u>	Date <u>01/05/23</u>	Time <u>10:29 AM</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>01-05-23</u>	Time <u>10:29</u>	Lab Use Only Received on ice: <u>Y</u> / N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <u>[Signature]</u>	Date <u>01-05-23</u>	Time <u>1700</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>1-5-23</u>	Time <u>1200</u>	
Relinquished by: (Signature) <u>[Signature]</u>	Date <u>1-5-23</u>	Time <u>2245</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>1/6/23</u>	Time <u>7:15</u>	

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

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Envirotech Analytical Laboratory

Printed: 1/6/2023 8:07:52AM

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:	01/06/23 07:15	Work Order ID:	E301013
Phone:	(505) 382-1211	Date Logged In:	01/05/23 15:08	Logged In By:	Caitlin Christian
Email:	ashley.giovengo@wescominc.com	Due Date:	01/10/23 17:00 (2 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: Ross Draw Unit #075H - 11.14.22
Spill

Work Order: E212028

Job Number: 01058-0007

Received: 12/5/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
12/8/22

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.
Envirotech Inc. holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 12/8/22

Ashley Giovengo
6488 7 Rivers Hwy
Artesia, NM 88210



Project Name: Ross Draw Unit #075H - 11.14.22 Spill
Workorder: E212028
Date Received: 12/5/2022 8:15:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/5/2022 8:15:00AM, under the Project Name: Ross Draw Unit #075H - 11.14.22 Spill.

The analytical test results summarized in this report with the Project Name: Ross Draw Unit #075H - 11.14.22 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

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

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

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Lynn Jarboe
Technical Representative/Client Services
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Cell: 505-320-4759
ljjarboe@envirotech-inc.com

West Texas Midland/Odessa Area
Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Devon Energy - Carlsbad	Project Name:	Ross Draw Unit #075H - 11.14.22 Spill	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/08/22 16:32

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CONF03 - 1'	E212028-01A	Soil	11/30/22	12/05/22	Glass Jar, 4 oz.



Sample Data

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

Project Name: Ross Draw Unit #075H - 11.14.22 Spill
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
12/8/2022 4:32:49PM

CONF03 - 1'

E212028-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2250019	
Benzene	ND	0.0250	1	12/05/22	12/07/22	
Ethylbenzene	ND	0.0250	1	12/05/22	12/07/22	
Toluene	ND	0.0250	1	12/05/22	12/07/22	
o-Xylene	ND	0.0250	1	12/05/22	12/07/22	
p,m-Xylene	ND	0.0500	1	12/05/22	12/07/22	
Total Xylenes	ND	0.0250	1	12/05/22	12/07/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	103 %	70-130		12/05/22	12/07/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2250019	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/22	12/07/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.3 %	70-130		12/05/22	12/07/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2250052	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/07/22	12/08/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/07/22	12/08/22	
<i>Surrogate: n-Nonane</i>						
	124 %	50-200		12/07/22	12/08/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2250048	
Chloride	358	20.0	1	12/07/22	12/08/22	



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Ross Draw Unit #075H - 11.14.22 Spill	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/8/2022 4:32:49PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2250019-BLK1)

Prepared: 12/05/22 Analyzed: 12/06/22

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	8.45		8.00		106	70-130			

LCS (2250019-BS1)

Prepared: 12/05/22 Analyzed: 12/06/22

Benzene	4.92	0.0250	5.00		98.5	70-130			
Ethylbenzene	5.08	0.0250	5.00		102	70-130			
Toluene	5.16	0.0250	5.00		103	70-130			
o-Xylene	5.23	0.0250	5.00		105	70-130			
p,m-Xylene	10.3	0.0500	10.0		103	70-130			
Total Xylenes	15.5	0.0250	15.0		104	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.54		8.00		107	70-130			

Matrix Spike (2250019-MS1)

Source: E212027-02

Prepared: 12/05/22 Analyzed: 12/07/22

Benzene	4.65	0.0250	5.00	0.0494	92.0	54-133			
Ethylbenzene	4.91	0.0250	5.00	0.338	91.5	61-133			
Toluene	4.89	0.0250	5.00	0.133	95.2	61-130			
o-Xylene	5.13	0.0250	5.00	0.976	83.1	63-131			
p,m-Xylene	10.1	0.0500	10.0	2.03	80.8	63-131			
Total Xylenes	15.2	0.0250	15.0	3.01	81.6	63-131			
Surrogate: 4-Bromochlorobenzene-PID	8.78		8.00		110	70-130			

Matrix Spike Dup (2250019-MSD1)

Source: E212027-02

Prepared: 12/05/22 Analyzed: 12/07/22

Benzene	4.80	0.0250	5.00	0.0494	95.0	54-133	3.18	20	
Ethylbenzene	5.14	0.0250	5.00	0.338	96.1	61-133	4.53	20	
Toluene	5.09	0.0250	5.00	0.133	99.1	61-130	3.93	20	
o-Xylene	5.44	0.0250	5.00	0.976	89.3	63-131	5.82	20	
p,m-Xylene	10.7	0.0500	10.0	2.03	86.9	63-131	5.90	20	
Total Xylenes	16.2	0.0250	15.0	3.01	87.7	63-131	5.87	20	
Surrogate: 4-Bromochlorobenzene-PID	8.80		8.00		110	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Ross Draw Unit #075H - 11.14.22 Spill	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/8/2022 4:32:49PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2250019-BLK1) Prepared: 12/05/22 Analyzed: 12/06/22

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

LCS (2250019-BS2) Prepared: 12/05/22 Analyzed: 12/06/22

Gasoline Range Organics (C6-C10)	52.3	20.0	50.0		105	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.83		8.00		97.9	70-130			

Matrix Spike (2250019-MS2) Source: E212027-02 Prepared: 12/05/22 Analyzed: 12/07/22

Gasoline Range Organics (C6-C10)	71.1	20.0	50.0	71.9	NR	70-130			M2
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.83		8.00		97.9	70-130			

Matrix Spike Dup (2250019-MSD2) Source: E212027-02 Prepared: 12/05/22 Analyzed: 12/07/22

Gasoline Range Organics (C6-C10)	82.6	20.0	50.0	71.9	21.4	70-130	14.9	20	M2
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.83		8.00		97.9	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Ross Draw Unit #075H - 11.14.22 Spill	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/8/2022 4:32:49PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

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 (2250052-BLK1)					Prepared: 12/07/22 Analyzed: 12/08/22				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	66.7		50.0		133	50-200			

LCS (2250052-BS1)					Prepared: 12/07/22 Analyzed: 12/08/22				
Diesel Range Organics (C10-C28)	225	25.0	250		90.2	38-132			
Surrogate: n-Nonane	61.7		50.0		123	50-200			

Matrix Spike (2250052-MS1)					Source: E212025-02		Prepared: 12/07/22 Analyzed: 12/08/22		
Diesel Range Organics (C10-C28)	393	25.0	250	173	88.1	38-132			
Surrogate: n-Nonane	63.7		50.0		127	50-200			

Matrix Spike Dup (2250052-MSD1)					Source: E212025-02		Prepared: 12/07/22 Analyzed: 12/08/22		
Diesel Range Organics (C10-C28)	412	25.0	250	173	95.8	38-132	4.79	20	
Surrogate: n-Nonane	63.2		50.0		126	50-200			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Ross Draw Unit #075H - 11.14.22 Spill	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/8/2022 4:32:49PM

Anions by EPA 300.0/9056A

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 (2250048-BLK1)					Prepared: 12/07/22 Analyzed: 12/08/22				
Chloride	ND	20.0							
LCS (2250048-BS1)					Prepared: 12/07/22 Analyzed: 12/08/22				
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2250048-MS1)					Source: E212028-01		Prepared: 12/07/22 Analyzed: 12/08/22		
Chloride	599	20.0	250	358	96.1	80-120			
Matrix Spike Dup (2250048-MSD1)					Source: E212028-01		Prepared: 12/07/22 Analyzed: 12/08/22		
Chloride	583	20.0	250	358	89.9	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:	Ross Draw Unit #075H - 11.14.22 Spill	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/08/22 16:32

- M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

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

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



Client: Devon Project: Ross Draw Unit #075H - 11.14.22 spill Project Manager: Ashley Giovengo Address: 1224 Standpipe Rd City, State, Zip: Carlsbad, NM 88220 Phone: 505-382-1211 Email: ashley.giovengo@wescominc.com Report due by:		Bill To Attention: Jim Raley Address: 5315 Buena Vista Dr City, State, Zip: Calsbad, NM 88220 Phone: 575-689-7597 Email: jim.raley@dvn.com		Lab Use Only Lab WO# E212028 Job Number 01058-0001		TAT 1D 2D 3D Standard x				EPA Program CWA SDWA RCRA	
				Analysis and Method DRO/ORO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BGDOC NM BGDOC TX				State NM CO UT AZ TX			

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
10:26	11/30/22	Soil	1 Jar	CONF03 - 1'	1							X		

Additional Instructions: Kept on ice, Please CC: cole.burton@wescominc.com, shar.harvester@wescominc.com, jim.raley@dvn.com, ashley.giovengo@wescominc.com, israel.estrella@wescominc.com

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

Relinquished by: (Signature) *[Signature]* **Date:** 12-02-22 **Time:** 10:12 **Received by:** (Signature) *[Signature]* **Date:** 12-02-22 **Time:** 10:12

Relinquished by: (Signature) *[Signature]* **Date:** 12-3-22 **Time:** 18:00 **Received by:** (Signature) *[Signature]* **Date:** 12/5/22 **Time:** 8:15

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 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above 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: 12/5/2022 12:33:24PM

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:	12/05/22 08:15	Work Order ID:	E212028
Phone:	(505) 382-1211	Date Logged In:	12/05/22 09:23	Logged In By:	Caitlin Christian
Email:	ashley.giovenego@wescominc.com	Due Date:	12/09/22 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

White out present on COC when received.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

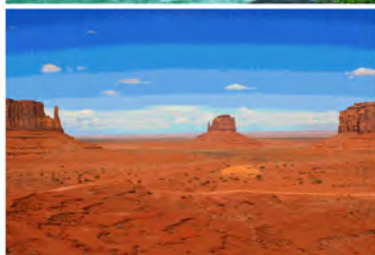
Date



envirotech Inc.

Report to:

Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name: Ross Draw Unit #075H

Work Order: E212132

Job Number: 21022-0001

Received: 12/23/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
12/29/22

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.
Envirotech Inc. holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 12/29/22

Ashley Giovengo
6488 7 Rivers Hwy
Artesia, NM 88210



Project Name: Ross Draw Unit #075H
Workorder: E212132
Date Received: 12/23/2022 11:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/23/2022 11:30:00AM, under the Project Name: Ross Draw Unit #075H.

The analytical test results summarized in this report with the Project Name: Ross Draw Unit #075H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman
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Cell: 775-287-1762
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Sample Summary

Devon Energy - Carlsbad	Project Name:	Ross Draw Unit #075H	Reported:
6488 7 Rivers Hwy	Project Number:	21022-0001	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/29/22 11:06

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CONF01 - 0'	E212132-01A	Soil	12/22/22	12/23/22	Glass Jar, 2 oz.
CONF02 - 0'	E212132-02A	Soil	12/22/22	12/23/22	Glass Jar, 2 oz.



Sample Data

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

Project Name: Ross Draw Unit #075H
Project Number: 21022-0001
Project Manager: Ashley Giovengo

Reported:
12/29/2022 11:06:32AM

CONF01 - 0'

E212132-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2252062	
Benzene	ND	0.0250	1	12/23/22	12/23/22	
Ethylbenzene	ND	0.0250	1	12/23/22	12/23/22	
Toluene	ND	0.0250	1	12/23/22	12/23/22	
o-Xylene	ND	0.0250	1	12/23/22	12/23/22	
p,m-Xylene	ND	0.0500	1	12/23/22	12/23/22	
Total Xylenes	ND	0.0250	1	12/23/22	12/23/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.5 %	70-130		12/23/22	12/23/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2252062	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/23/22	12/23/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.2 %	70-130		12/23/22	12/23/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2253013	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/28/22	12/28/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/28/22	12/28/22	
<i>Surrogate: n-Nonane</i>						
	97.3 %	50-200		12/28/22	12/28/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2252061	
Chloride	2800	40.0	2	12/23/22	12/27/22	



Sample Data

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

Project Name: Ross Draw Unit #075H
Project Number: 21022-0001
Project Manager: Ashley Giovengo

Reported:
12/29/2022 11:06:32AM

CONF02 - 0'

E212132-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2252062
Benzene	ND	0.0250	1	12/23/22	12/23/22	
Ethylbenzene	ND	0.0250	1	12/23/22	12/23/22	
Toluene	ND	0.0250	1	12/23/22	12/23/22	
o-Xylene	ND	0.0250	1	12/23/22	12/23/22	
p,m-Xylene	ND	0.0500	1	12/23/22	12/23/22	
Total Xylenes	ND	0.0250	1	12/23/22	12/23/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.8 %	70-130		12/23/22	12/23/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2252062
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/23/22	12/23/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.3 %	70-130		12/23/22	12/23/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2253013
Diesel Range Organics (C10-C28)	ND	25.0	1	12/28/22	12/28/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/28/22	12/28/22	
<i>Surrogate: n-Nonane</i>						
	76.0 %	50-200		12/28/22	12/28/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2252061
Chloride	835	20.0	1	12/23/22	12/27/22	



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Ross Draw Unit #075H	Reported:
6488 7 Rivers Hwy	Project Number:	21022-0001	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/29/2022 11:06:32AM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2252062-BLK1)

Prepared: 12/23/22 Analyzed: 12/23/22

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	7.76		8.00		97.0	70-130			

LCS (2252062-BS1)

Prepared: 12/23/22 Analyzed: 12/23/22

Benzene	3.68	0.0250	5.00		73.6	70-130			
Ethylbenzene	4.11	0.0250	5.00		82.3	70-130			
Toluene	4.10	0.0250	5.00		81.9	70-130			
o-Xylene	4.27	0.0250	5.00		85.4	70-130			
p,m-Xylene	8.37	0.0500	10.0		83.7	70-130			
Total Xylenes	12.6	0.0250	15.0		84.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.74		8.00		96.8	70-130			

Matrix Spike (2252062-MS1)

Source: E212130-01

Prepared: 12/23/22 Analyzed: 12/27/22

Benzene	4.67	0.0250	5.00	ND	93.4	54-133			
Ethylbenzene	5.03	0.0250	5.00	ND	101	61-133			
Toluene	5.10	0.0250	5.00	ND	102	61-130			
o-Xylene	5.20	0.0250	5.00	ND	104	63-131			
p,m-Xylene	10.2	0.0500	10.0	ND	102	63-131			
Total Xylenes	15.4	0.0250	15.0	ND	103	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.92		8.00		99.0	70-130			

Matrix Spike Dup (2252062-MSD1)

Source: E212130-01

Prepared: 12/23/22 Analyzed: 12/27/22

Benzene	4.58	0.0250	5.00	ND	91.6	54-133	1.93	20	
Ethylbenzene	4.96	0.0250	5.00	ND	99.3	61-133	1.41	20	
Toluene	4.98	0.0250	5.00	ND	99.7	61-130	2.24	20	
o-Xylene	5.11	0.0250	5.00	ND	102	63-131	1.76	20	
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131	1.62	20	
Total Xylenes	15.2	0.0250	15.0	ND	101	63-131	1.67	20	
Surrogate: 4-Bromochlorobenzene-PID	7.97		8.00		99.7	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Ross Draw Unit #075H	Reported:
6488 7 Rivers Hwy	Project Number:	21022-0001	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/29/2022 11:06:32AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2252062-BLK1)

Prepared: 12/23/22 Analyzed: 12/23/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.11		8.00		88.9	70-130			

LCS (2252062-BS2)

Prepared: 12/23/22 Analyzed: 12/24/22

Gasoline Range Organics (C6-C10)	47.9	20.0	50.0		95.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.76		8.00		97.1	70-130			

Matrix Spike (2252062-MS2)

Source: E212130-01

Prepared: 12/23/22 Analyzed: 12/24/22

Gasoline Range Organics (C6-C10)	46.7	20.0	50.0	ND	93.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.37		8.00		92.1	70-130			

Matrix Spike Dup (2252062-MSD2)

Source: E212130-01

Prepared: 12/23/22 Analyzed: 12/24/22

Gasoline Range Organics (C6-C10)	46.7	20.0	50.0	ND	93.4	70-130	0.0714	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.72		8.00		96.5	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Ross Draw Unit #075H	Reported:
6488 7 Rivers Hwy	Project Number:	21022-0001	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/29/2022 11:06:32AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

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 (2253013-BLK1) Prepared: 12/28/22 Analyzed: 12/28/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	53.7		50.0		107	50-200			

LCS (2253013-BS1) Prepared: 12/28/22 Analyzed: 12/28/22

Diesel Range Organics (C10-C28)	257	25.0	250		103	38-132			
Surrogate: n-Nonane	49.3		50.0		98.6	50-200			

Matrix Spike (2253013-MS1) Source: E212136-01 Prepared: 12/28/22 Analyzed: 12/28/22

Diesel Range Organics (C10-C28)	267	25.0	250	ND	107	38-132			
Surrogate: n-Nonane	49.5		50.0		99.0	50-200			

Matrix Spike Dup (2253013-MSD1) Source: E212136-01 Prepared: 12/28/22 Analyzed: 12/28/22

Diesel Range Organics (C10-C28)	266	25.0	250	ND	106	38-132	0.553	20	
Surrogate: n-Nonane	52.6		50.0		105	50-200			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Ross Draw Unit #075H	Reported:
6488 7 Rivers Hwy	Project Number:	21022-0001	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/29/2022 11:06:32AM

Anions by EPA 300.0/9056A

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 (2252061-BLK1)					Prepared: 12/23/22 Analyzed: 12/27/22				
Chloride	ND	20.0							
LCS (2252061-BS1)					Prepared: 12/23/22 Analyzed: 12/27/22				
Chloride	250	20.0	250		100	90-110			
Matrix Spike (2252061-MS1)					Source: E212130-01		Prepared: 12/23/22 Analyzed: 12/27/22		
Chloride	262	20.0	250	ND	105	80-120			
Matrix Spike Dup (2252061-MSD1)					Source: E212130-01		Prepared: 12/23/22 Analyzed: 12/27/22		
Chloride	263	20.0	250	ND	105	80-120	0.260	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:	Ross Draw Unit #075H	
6488 7 Rivers Hwy	Project Number:	21022-0001	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/29/22 11:06

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

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: 12/23/2022 12:15:00PM

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:	12/23/22 11:30	Work Order ID:	E212132
Phone:	(505) 382-1211	Date Logged In:	12/23/22 09:03	Logged In By:	Caitlin Christian
Email:	ashley.giovengo@wescominc.com	Due Date:	01/02/23 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? No
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: UPSComments/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: Ross Draw Unit #075H

Work Order: E309147

Job Number: 01058-0007

Received: 9/21/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/25/23

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 9/25/23



Ashley Giovengo
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Ross Draw Unit #075H
Workorder: E309147
Date Received: 9/21/2023 8:15:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/21/2023 8:15:00AM, under the Project Name: Ross Draw Unit #075H.

The analytical test results summarized in this report with the Project Name: Ross Draw Unit #075H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

Raina Schwanz
Laboratory Administrator
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Sample Summary

Devon Energy - Carlsbad	Project Name:	Ross Draw Unit #075H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	09/25/23 12:42

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS08 - 0.5'	E309147-01A	Soil	09/20/23	09/21/23	Glass Jar, 2 oz.
SS09 - 0.5'	E309147-02A	Soil	09/20/23	09/21/23	Glass Jar, 2 oz.
SS10 - 0.5'	E309147-03A	Soil	09/20/23	09/21/23	Glass Jar, 2 oz.
SS11 - 0.5'	E309147-04A	Soil	09/20/23	09/21/23	Glass Jar, 2 oz.



Sample Data

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

Project Name: Ross Draw Unit #075H
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
9/25/2023 12:42:13PM

SS08 - 0.5'

E309147-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2338070	
Benzene	ND	0.0250	1	09/21/23	09/21/23	
Ethylbenzene	ND	0.0250	1	09/21/23	09/21/23	
Toluene	ND	0.0250	1	09/21/23	09/21/23	
o-Xylene	ND	0.0250	1	09/21/23	09/21/23	
p,m-Xylene	ND	0.0500	1	09/21/23	09/21/23	
Total Xylenes	ND	0.0250	1	09/21/23	09/21/23	
Surrogate: 4-Bromochlorobenzene-PID	94.9 %	70-130		09/21/23	09/21/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2338070	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/21/23	09/21/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	93.9 %	70-130		09/21/23	09/21/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2338077	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/21/23	09/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/21/23	09/22/23	
Surrogate: n-Nonane	95.1 %	50-200		09/21/23	09/22/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2338078	
Chloride	ND	20.0	1	09/21/23	09/22/23	



Sample Data

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

Project Name: Ross Draw Unit #075H
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
9/25/2023 12:42:13PM

SS09 - 0.5'

E309147-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2338070
Benzene	ND	0.0250	1	09/21/23	09/21/23	
Ethylbenzene	ND	0.0250	1	09/21/23	09/21/23	
Toluene	ND	0.0250	1	09/21/23	09/21/23	
o-Xylene	ND	0.0250	1	09/21/23	09/21/23	
p,m-Xylene	ND	0.0500	1	09/21/23	09/21/23	
Total Xylenes	ND	0.0250	1	09/21/23	09/21/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.3 %	70-130		09/21/23	09/21/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2338070
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/21/23	09/21/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.6 %	70-130		09/21/23	09/21/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2338077
Diesel Range Organics (C10-C28)	ND	25.0	1	09/21/23	09/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/21/23	09/22/23	
<i>Surrogate: n-Nonane</i>						
	89.2 %	50-200		09/21/23	09/22/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2338078
Chloride	25.0	20.0	1	09/21/23	09/22/23	



Sample Data

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

Project Name: Ross Draw Unit #075H
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
9/25/2023 12:42:13PM

SS10 - 0.5'

E309147-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2338070
Benzene	ND	0.0250	1	09/21/23	09/21/23	
Ethylbenzene	ND	0.0250	1	09/21/23	09/21/23	
Toluene	ND	0.0250	1	09/21/23	09/21/23	
o-Xylene	ND	0.0250	1	09/21/23	09/21/23	
p,m-Xylene	ND	0.0500	1	09/21/23	09/21/23	
Total Xylenes	ND	0.0250	1	09/21/23	09/21/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.4 %	70-130		09/21/23	09/21/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2338070
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/21/23	09/21/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.1 %	70-130		09/21/23	09/21/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2338077
Diesel Range Organics (C10-C28)	ND	25.0	1	09/21/23	09/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/21/23	09/22/23	
<i>Surrogate: n-Nonane</i>						
	97.1 %	50-200		09/21/23	09/22/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2338078
Chloride	ND	20.0	1	09/21/23	09/22/23	



Sample Data

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

Project Name: Ross Draw Unit #075H
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
9/25/2023 12:42:13PM

SS11 - 0.5'

E309147-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2338070
Benzene	ND	0.0250	1	09/21/23	09/21/23	
Ethylbenzene	ND	0.0250	1	09/21/23	09/21/23	
Toluene	ND	0.0250	1	09/21/23	09/21/23	
o-Xylene	ND	0.0250	1	09/21/23	09/21/23	
p,m-Xylene	ND	0.0500	1	09/21/23	09/21/23	
Total Xylenes	ND	0.0250	1	09/21/23	09/21/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.9 %	70-130		09/21/23	09/21/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2338070
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/21/23	09/21/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.9 %	70-130		09/21/23	09/21/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2338077
Diesel Range Organics (C10-C28)	ND	25.0	1	09/21/23	09/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/21/23	09/22/23	
<i>Surrogate: n-Nonane</i>						
	96.0 %	50-200		09/21/23	09/22/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2338078
Chloride	ND	20.0	1	09/21/23	09/22/23	



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Ross Draw Unit #075H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	9/25/2023 12:42:13PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2338070-BLK1)

Prepared: 09/21/23 Analyzed: 09/22/23

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	7.61		8.00		95.2	70-130			

LCS (2338070-BS1)

Prepared: 09/21/23 Analyzed: 09/21/23

Benzene	5.05	0.0250	5.00		101	70-130			
Ethylbenzene	4.97	0.0250	5.00		99.4	70-130			
Toluene	5.03	0.0250	5.00		101	70-130			
o-Xylene	4.98	0.0250	5.00		99.6	70-130			
p,m-Xylene	10.1	0.0500	10.0		101	70-130			
Total Xylenes	15.1	0.0250	15.0		101	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.55		8.00		94.4	70-130			

Matrix Spike (2338070-MS1)

Source: E309147-02

Prepared: 09/21/23 Analyzed: 09/21/23

Benzene	5.16	0.0250	5.00	ND	103	54-133			
Ethylbenzene	5.08	0.0250	5.00	ND	102	61-133			
Toluene	5.14	0.0250	5.00	ND	103	61-130			
o-Xylene	5.10	0.0250	5.00	ND	102	63-131			
p,m-Xylene	10.3	0.0500	10.0	ND	103	63-131			
Total Xylenes	15.4	0.0250	15.0	ND	103	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.56		8.00		94.5	70-130			

Matrix Spike Dup (2338070-MSD1)

Source: E309147-02

Prepared: 09/21/23 Analyzed: 09/21/23

Benzene	5.11	0.0250	5.00	ND	102	54-133	1.13	20	
Ethylbenzene	5.02	0.0250	5.00	ND	100	61-133	1.16	20	
Toluene	5.08	0.0250	5.00	ND	102	61-130	1.05	20	
o-Xylene	5.04	0.0250	5.00	ND	101	63-131	1.24	20	
p,m-Xylene	10.2	0.0500	10.0	ND	102	63-131	1.31	20	
Total Xylenes	15.2	0.0250	15.0	ND	102	63-131	1.29	20	
Surrogate: 4-Bromochlorobenzene-PID	7.54		8.00		94.3	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Ross Draw Unit #075H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	9/25/2023 12:42:13PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2338070-BLK1) Prepared: 09/21/23 Analyzed: 09/22/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.36		8.00		91.9	70-130			

LCS (2338070-BS2) Prepared: 09/21/23 Analyzed: 09/21/23

Gasoline Range Organics (C6-C10)	54.2	20.0	50.0		108	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.53		8.00		94.1	70-130			

Matrix Spike (2338070-MS2) Source: E309147-02 Prepared: 09/21/23 Analyzed: 09/21/23

Gasoline Range Organics (C6-C10)	56.4	20.0	50.0	ND	113	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.65		8.00		95.7	70-130			

Matrix Spike Dup (2338070-MSD2) Source: E309147-02 Prepared: 09/21/23 Analyzed: 09/21/23

Gasoline Range Organics (C6-C10)	55.9	20.0	50.0	ND	112	70-130	0.904	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.57		8.00		94.6	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Ross Draw Unit #075H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	9/25/2023 12:42:13PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

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 (2338077-BLK1) Prepared: 09/21/23 Analyzed: 09/22/23

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	49.4		50.0		98.8	50-200			

LCS (2338077-BS1) Prepared: 09/21/23 Analyzed: 09/23/23

Diesel Range Organics (C10-C28)	283	25.0	250		113	38-132			
Surrogate: n-Nonane	59.2		50.0		118	50-200			

Matrix Spike (2338077-MS1) Source: E309141-26 Prepared: 09/21/23 Analyzed: 09/22/23

Diesel Range Organics (C10-C28)	283	25.0	250	ND	113	38-132			
Surrogate: n-Nonane	46.5		50.0		92.9	50-200			

Matrix Spike Dup (2338077-MSD1) Source: E309141-26 Prepared: 09/21/23 Analyzed: 09/22/23

Diesel Range Organics (C10-C28)	277	25.0	250	ND	111	38-132	1.93	20	
Surrogate: n-Nonane	49.4		50.0		98.8	50-200			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Ross Draw Unit #075H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	9/25/2023 12:42:13PM

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 (2338078-BLK1)					Prepared: 09/21/23 Analyzed: 09/21/23				
Chloride	ND	20.0							
LCS (2338078-BS1)					Prepared: 09/21/23 Analyzed: 09/21/23				
Chloride	267	20.0	250		107	90-110			
Matrix Spike (2338078-MS1)					Source: E309144-01		Prepared: 09/21/23 Analyzed: 09/21/23		
Chloride	329	200	250	ND	131	80-120			M5
Matrix Spike Dup (2338078-MSD1)					Source: E309144-01		Prepared: 09/21/23 Analyzed: 09/22/23		
Chloride	334	200	250	ND	134	80-120	1.64	20	M5

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:	Ross Draw Unit #075H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	09/25/23 12:42

- M5 The analysis of the MS sample required a dilution such that the spike recovery calculation does not provide useful information. The accociated 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

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

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



Client: Devon Energy				Bill To Attention: Jim Raley Address: 5315 Buena Vista Dr City, State, Zip: Carlsbad NM, 88220 Phone: (575)689-7597 Email: jim.raley@dvn.com				Lab Use Only				TAT				EPA Program						
Project: Ross Draw Unit #075H								Lab WO#		Job Number		1D	2D	3D	Standard		CWA	SDWA				
Project Manager: Ashley Giovengo								E309147		01058-0007					X							
Address: 3122 National Parks Hwy								Analysis and Method												RCRA		
City, State, Zip: Carlsbad NM, 88220								TPH GRO/DRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM		GDOC TX	State				
Phone: 575-988-0055																		NM	CO	UT	AZ	TX
Email: agiovengo@ensolum.com																Remarks						
Report due by:																						
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number																	
10:04	9/20/2023	Soil	1	SS08 - 0.5'	1									X								
10:07	9/20/2023	Soil	1	SS09 - 0.5'	2									X								
10:10	9/20/2023	Soil	1	SS10 - 0.5'	3									X								
10:14	9/20/2023	Soil	1	SS11 - 0.5'	4									X								
10:18	9/20/2023	Soil	1	SS12 - 0.5'										X				CAH				
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@dvn.com, chamilton@ensolum.com																						
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.												Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 5 °C on subsequent days.										
Sampled by: Chad Hamilton																						
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only														
		09/20/23	13:07			9-20-23	1307	Received on ice: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N														
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 T2 T3														
		9-20-23	1700			9-20-23	1730															
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	AVG Temp °C														
		9-20-23	2400			9-21-23	8:15	4														
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other												Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA										
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																						

Envirotech Analytical Laboratory

Printed: 9/21/2023 8:52:29AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Devon Energy - Carlsbad	Date Received:	09/21/23 08:15	Work Order ID:	E309147
Phone:	(505) 382-1211	Date Logged In:	09/20/23 14:38	Logged In By:	Caitlin Mars
Email:	ashley.giovengo@wescominc.com	Due Date:	09/27/23 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: Ross Draw Unit #075H

Work Order: E309150

Job Number: 01058-0007

Received: 9/21/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/25/23

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 9/25/23



Ashley Giovengo
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Ross Draw Unit #075H
Workorder: E309150
Date Received: 9/21/2023 8:15:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/21/2023 8:15:00AM, under the Project Name: Ross Draw Unit #075H.

The analytical test results summarized in this report with the Project Name: Ross Draw Unit #075H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
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Alexa Michaels
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Office: 505-632-1881
labadmin@envirotech-inc.com

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Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Devon Energy - Carlsbad	Project Name:	Ross Draw Unit #075H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	09/25/23 12:43

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS12 - 0.5'	E309150-01A	Soil	09/20/23	09/21/23	Glass Jar, 2 oz.



Sample Data

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

Project Name: Ross Draw Unit #075H
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
9/25/2023 12:43:56PM

SS12 - 0.5'

E309150-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2338070	
Benzene	ND	0.0250	1	09/21/23	09/22/23	
Ethylbenzene	ND	0.0250	1	09/21/23	09/22/23	
Toluene	ND	0.0250	1	09/21/23	09/22/23	
o-Xylene	ND	0.0250	1	09/21/23	09/22/23	
p,m-Xylene	ND	0.0500	1	09/21/23	09/22/23	
Total Xylenes	ND	0.0250	1	09/21/23	09/22/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.0 %	70-130		09/21/23	09/22/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2338070	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/21/23	09/22/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.8 %	70-130		09/21/23	09/22/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2338077	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/21/23	09/22/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/21/23	09/22/23	
<i>Surrogate: n-Nonane</i>						
	86.7 %	50-200		09/21/23	09/22/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2338078	
Chloride	ND	20.0	1	09/21/23	09/22/23	



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Ross Draw Unit #075H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	9/25/2023 12:43:56PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2338070-BLK1)

Prepared: 09/21/23 Analyzed: 09/22/23

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	7.61		8.00		95.2	70-130			

LCS (2338070-BS1)

Prepared: 09/21/23 Analyzed: 09/21/23

Benzene	5.05	0.0250	5.00		101	70-130			
Ethylbenzene	4.97	0.0250	5.00		99.4	70-130			
Toluene	5.03	0.0250	5.00		101	70-130			
o-Xylene	4.98	0.0250	5.00		99.6	70-130			
p,m-Xylene	10.1	0.0500	10.0		101	70-130			
Total Xylenes	15.1	0.0250	15.0		101	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.55		8.00		94.4	70-130			

Matrix Spike (2338070-MS1)

Source: E309147-02

Prepared: 09/21/23 Analyzed: 09/21/23

Benzene	5.16	0.0250	5.00	ND	103	54-133			
Ethylbenzene	5.08	0.0250	5.00	ND	102	61-133			
Toluene	5.14	0.0250	5.00	ND	103	61-130			
o-Xylene	5.10	0.0250	5.00	ND	102	63-131			
p,m-Xylene	10.3	0.0500	10.0	ND	103	63-131			
Total Xylenes	15.4	0.0250	15.0	ND	103	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.56		8.00		94.5	70-130			

Matrix Spike Dup (2338070-MSD1)

Source: E309147-02

Prepared: 09/21/23 Analyzed: 09/21/23

Benzene	5.11	0.0250	5.00	ND	102	54-133	1.13	20	
Ethylbenzene	5.02	0.0250	5.00	ND	100	61-133	1.16	20	
Toluene	5.08	0.0250	5.00	ND	102	61-130	1.05	20	
o-Xylene	5.04	0.0250	5.00	ND	101	63-131	1.24	20	
p,m-Xylene	10.2	0.0500	10.0	ND	102	63-131	1.31	20	
Total Xylenes	15.2	0.0250	15.0	ND	102	63-131	1.29	20	
Surrogate: 4-Bromochlorobenzene-PID	7.54		8.00		94.3	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Ross Draw Unit #075H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	9/25/2023 12:43:56PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2338070-BLK1) Prepared: 09/21/23 Analyzed: 09/22/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.36		8.00		91.9	70-130			

LCS (2338070-BS2) Prepared: 09/21/23 Analyzed: 09/21/23

Gasoline Range Organics (C6-C10)	54.2	20.0	50.0		108	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.53		8.00		94.1	70-130			

Matrix Spike (2338070-MS2) Source: E309147-02 Prepared: 09/21/23 Analyzed: 09/21/23

Gasoline Range Organics (C6-C10)	56.4	20.0	50.0	ND	113	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.65		8.00		95.7	70-130			

Matrix Spike Dup (2338070-MSD2) Source: E309147-02 Prepared: 09/21/23 Analyzed: 09/21/23

Gasoline Range Organics (C6-C10)	55.9	20.0	50.0	ND	112	70-130	0.904	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.57		8.00		94.6	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Ross Draw Unit #075H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	9/25/2023 12:43:56PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

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 (2338077-BLK1)					Prepared: 09/21/23 Analyzed: 09/22/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	49.4		50.0		98.8	50-200			

LCS (2338077-BS1)					Prepared: 09/21/23 Analyzed: 09/23/23				
Diesel Range Organics (C10-C28)	283	25.0	250		113	38-132			
Surrogate: n-Nonane	59.2		50.0		118	50-200			

Matrix Spike (2338077-MS1)					Source: E309141-26		Prepared: 09/21/23 Analyzed: 09/22/23		
Diesel Range Organics (C10-C28)	283	25.0	250	ND	113	38-132			
Surrogate: n-Nonane	46.5		50.0		92.9	50-200			

Matrix Spike Dup (2338077-MSD1)					Source: E309141-26		Prepared: 09/21/23 Analyzed: 09/22/23		
Diesel Range Organics (C10-C28)	277	25.0	250	ND	111	38-132	1.93	20	
Surrogate: n-Nonane	49.4		50.0		98.8	50-200			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Ross Draw Unit #075H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	9/25/2023 12:43:56PM

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 (2338078-BLK1)					Prepared: 09/21/23 Analyzed: 09/21/23				
Chloride	ND	20.0							
LCS (2338078-BS1)					Prepared: 09/21/23 Analyzed: 09/21/23				
Chloride	267	20.0	250		107	90-110			
Matrix Spike (2338078-MS1)					Source: E309144-01		Prepared: 09/21/23 Analyzed: 09/21/23		
Chloride	329	200	250	ND	131	80-120			M5
Matrix Spike Dup (2338078-MSD1)					Source: E309144-01		Prepared: 09/21/23 Analyzed: 09/22/23		
Chloride	334	200	250	ND	134	80-120	1.64	20	M5

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:	Ross Draw Unit #075H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	09/25/23 12:43

- M5 The analysis of the MS sample required a dilution such that the spike recovery calculation does not provide useful information. The accociated 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

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: 9/21/2023 8:58:10AM

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:	09/21/23 08:15	Work Order ID:	E309150
Phone:	(505) 382-1211	Date Logged In:	09/20/23 14:42	Logged In By:	Caitlin Mars
Email:	ashley.giovengo@wescominc.com	Due Date:	09/27/23 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.



APPENDIX E

Email Correspondence



APPENDIX E

Email Correspondence

From: [Cole Burton](#)
To: [OCD. Enviro \(ocd.enviro@emnrd.nm.gov\)](mailto:ocd.enviro@emnrd.nm.gov)
Cc: [Ashley Giovengo](#); [Shar Harvester](#); [Raley, Jim](#); [Joey Croce](#); [Cody York](#)
Subject: 48-Hour Confirmation Sample Notice - Ross Draw Unit #075H – nAPP2231850149
Date: Tuesday, November 15, 2022 2:09:00 PM

Hello All,

We intend to take confirmation samples at the Ross Draw Unit #075H – nAPP2231850149 starting on (11/18/22).

Please let us know if you plan to be onsite to oversee this sampling event.

Thanks,

Cole Burton, Environmental Field Technician
O (218) 724-1322 | C (505) 205-0455
WescomInc.com | cole.burton@WescomInc.com
"I am in charge of my own safety."

From: [Cole Burton](#)
To: [OCD. Enviro \(ocd.enviro@emnrd.nm.gov\)](mailto:ocd.enviro@emnrd.nm.gov)
Cc: [Ashley Giovengo](#); [Shar Harvester](#); [Raley, Jim](#); [Joey Croce](#); [Cody York](#); [Israel Estrella](#)
Subject: 48-Hour Confirmation Sample Notice - Ross Draw Unit #075H – nAPP2231850149
Date: Monday, November 28, 2022 8:58:00 AM

Hello All,

We intend to take confirmation samples at the Ross Draw Unit #075H – nAPP2231850149 starting on (11/30/22).

Please let us know if you plan to be onsite to oversee this sampling event.

Thanks,

Cole Burton, Environmental Field Technician
O (218) 724-1322 | C (505) 205-0455
WescomInc.com | cole.burton@WescomInc.com
"I am in charge of my own safety."

From: [Cole Burton](#)
To: [OCD. Enviro \(ocd.enviro@emnrd.nm.gov\)](mailto:ocd.enviro@emnrd.nm.gov)
Cc: [Raley, Jim](#); [Ashley Giovengo](#); [Shar Harvester](#); [Joey Croce](#); [Cody York](#)
Subject: 48-Hour Confirmation Sample Notice - Ross Draw Unit #075H – nAPP2231850149
Date: Tuesday, December 20, 2022 9:26:00 AM

Hello All,

We intend to take confirmation samples at the Ross Draw Unit #075H – nAPP2231850149 starting on (12/22/22).

Please let us know if you plan to be onsite to oversee this sampling event.

Thanks,

Cole Burton, Environmental Field Technician
O (218) 724-1322 | C (505) 205-0455
WescomInc.com | cole.burton@WescomInc.com
"I am in charge of my own safety."

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 286309

CONDITIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 286309
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	This Remediation Closure Report is approved. Areas reasonably needed for production or subsequent drilling operations will need to be reclaimed and revegetated as soon as they are no longer reasonably needed. A report for reclamation and revegetation will need to be submitted and approved prior to this incident receiving the final status of "Restoration Complete".	3/15/2024