



CLOSURE REQUEST

DEVON ENERGY COMPANY

Created for submission to New Mexico Oil Conservation Division on 10/12/2022

ASHLEY GIOVENGO
Project Environmental Scientist

ENERGIZING AMERICA

October 12, 2022

Bradford Billings, Robert Hamlet, Jennifer Nobui, and/or Nelson Velez

State of New Mexico
Energy, Minerals, and Natural Resources
New Mexico Oil Conservation Division
811 South First Street
Artesia, New Mexico 88210

RE: CLOSURE REQUEST

COMPANY	Devon Energy Company
LOCATION	Ross Draw Unit #014
API	30-015-25208
PLSS	Unit L Sec 26 T26S R30E
GPS	32.0124092, -103.8584137
INCIDENT ID	nAPP2220850033

BACKGROUND

Wescom, Inc., hereafter referred to as Wescom, has prepared this Closure Request on behalf of Devon Energy Company, hereafter referred to as Devon, regarding the release at the Ross Draw Unit #014 (Site) located in Unit L, Section 26, Township 26 South and Range 30 East in Eddy County, New Mexico. The GPS coordinates are as follows: North 32.0124092 and West -103.8584137. Surface owner of the Site is Bureau of Land Management (BLM).

On July 8, 2022, an above-ground water transfer line developed a pinhole leak resulting in the release of approximately 27 barrels (bbls) of produced water. Devon immediately isolated the source of the leak and approximately 1 barrel of produced water was recovered. The produced water ran down the access road that leads to the Site and impacted areas on the East and West sides of the road as shown in Figure 1. Wescom personnel arrived onsite on August 23, 2022, to begin excavation of the spill area and to conduct confirmation sampling. Excavation of the spill area was completed on September 14, 2022.



SURFACE & GROUND WATER

The New Mexico Office of the State Engineer (OSE) records indicates the nearest depth to groundwater measurement is greater than 106 feet below ground surface (bgs) and is 0.39 miles Northwest of the Site. No playas or lakes are located within a one-mile radius of this Site (Attachment C).

KARST POTENTIAL

According to data from the Bureau of Land Management, this Site is located within medium karst potential as shown in Attachment D. There are no indicators of karst around the Site surface.

TARGET REMEDIAL LEVELS

The target cleanup levels are determined using the NMOCD Closure Criteria (19.15.29.12.B(4) and Table 1 NMAC, inserted below) including karst guidelines from the Bureau of Land Management. This Site is in the medium karst potential zone and therefore, the applicable Recommended Remediation Action Levels (RRALs) are 10 parts per million (ppm) Benzene, 50 ppm combined benzene, toluene, ethyl benzene, and xylene (BTEX) and 2500 ppm Total Petroleum Hydrocarbons (TPH) and 1000 ppm combined Gasoline Range Organics (GRO) and Diesel Range Organics (DRO). A chloride concentration at or below 20000 mg/kg (ppm) in the soil is also required.

Closure Criteria (19.15.29.12.B(4) and Table 1 NMAC)						
Ross Draw Unit #014 — 32.0124092, -103.8584137						
Depth to Groundwater		Closure Criteria (unites in mg/kg)				
		Chloride * numerical limit or background, whichever is greater	TPH	GRO+DRO	BTEX	Benzene
Based on high karst potential		600	100		50	10
No water data within 0.5 mile radius		600	100		50	10
less than 50 ft bgs		600	100		50	10
51 ft to 100 ft bgs		10000	2500	1000	50	10
greater than 100 ft bgs		106 ft 7 in	2500	1000	50	10
Surface Water		If yes, then				
Yes or No						
< 300 feet from continuously flowing watercourse or other significant watercourse?		No				
< 200 feet from lakebed, sinkhole or playa lake		No				
Water Well or Water Source						
< 500 feet from spring or a private, domestic fresh water well used by less than 5 households for domestic or stock watering purposes?		No				
< 1000 feet from fresh water well or spring?		No				
Human and Other Areas						
< 300 feet from an occupied permanent residence, school, hospital, institution or church?		No				
Within incorporated municipal boundaries or within a defined municipal fresh water well field?		No				
< 100 feet from wetland?		No				
Within area overlying a subsurface mine?		No				
Within an unstable area?		No				
Within a 100-year floodplan?		No				

Table: Closure Criteria Statistics



REMEDIATION ACTIVITIES

Beginning on August 23, 2022, Wescom personnel arrived onsite to oversee the removal of impacted soil and to conduct confirmation sampling activities. A background sample, BG01, was collected 82 feet to the East of the access road, as shown in Figure 1. A backhoe was used to remove approximately 1840 cubic yards of contaminated soil from the spill area. Impacted material from the spill area was hauled to an approved disposal facility. All the confirmation samples were below the applicable RRALs for the Site (see Table 1) however, according to 19.15.29.13 NMAC, all off-pad spill areas must contain a minimum of four feet non-waste containing uncontaminated, earthen material with chloride concentrations less than 600 mg/kg; all off-pad confirmation samples meet the reclamation standards.

Wescom personnel collected a total of 45 composite confirmation samples and 4 sidewall samples over the 11-day sampling period. All the confirmation samples were below the applicable RRALs for the Site as shown in Table 1. All soil samples were properly packaged, preserved, and transported to Envirotech, Inc. by chain of custody, and analyzed for Total Petroleum Hydrocarbons, or TPH, —Method 8015D, BTEX—Method 8021B, and Chlorides—Method 300.0. Confirmation sample locations are presented in Figure 2 and laboratory analytical reports are included in Attachment E.

The required 48-hour confirmation sampling notification was sent on August 23 and 29, and September 6, 12, 2022 to Bradford Billings, Mike Bratcher, Robert Hamlet, Jennifer Nobui, and Nelson Velez, with the NMOCD in Santa Fe, New Mexico and are included in Attachment F.

REQUEST FOR CLOSURE

On behalf of Devon, Wescom hereby requests closure for the release associated with incident number nAPP2220850033 based on the logic below.

- Depth to water at the Site is greater than 106 feet bgs, as per Attachment C.
- All confirmation areas meet the reclamation standard for off-pad spill areas per 19.15.29.13 NMAC
- Impacted material was removed and properly disposed of at an approved facility.

If you have any questions or comments, please do not hesitate to call Ms. Ashley Giovengo at (505) 382-1211.

Sincerely,

Wescom, Inc.

Ashley Giovengo

Project Environmental Scientist

cc: Jim Raley, Devon Energy



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Bradford Billings, NMOCD

Robert Hamlet, NMOCD

Jennifer Nobui, NMOCD

Nelson Velez, NMOCD

REFERENCE MATERIALS

FIGURES

FIGURE 1. Spill Location

FIGURE 2. Confirmation Sampling

TABLES

TABLE 1. Laboratory Analysis Results: Confirmation Samples

ATTACHMENTS

ATTACHMENT A. C-141

ATTACHMENT B. Site Photos

ATTACHMENT C. Closure Criteria Supporting Documents

ATTACHMENT D. Karst Map

ATTACHMENT E. Envirotech Inc. Laboratory Analysis Reports

ATTACHMENT F. 48-hour Confirmation Sampling Notification Emails



FIGURES





Maxar, Microsoft

FIGURE 1. SPILL LOCATION

Ross Draw Unit #014
Incident ID: nAPP2220850033
API: 30-015-25208
GPS Coordinates: 32.0124092, -103.8584137
Eddy County, New Mexico
Devon Energy



LEGEND

Spill Area



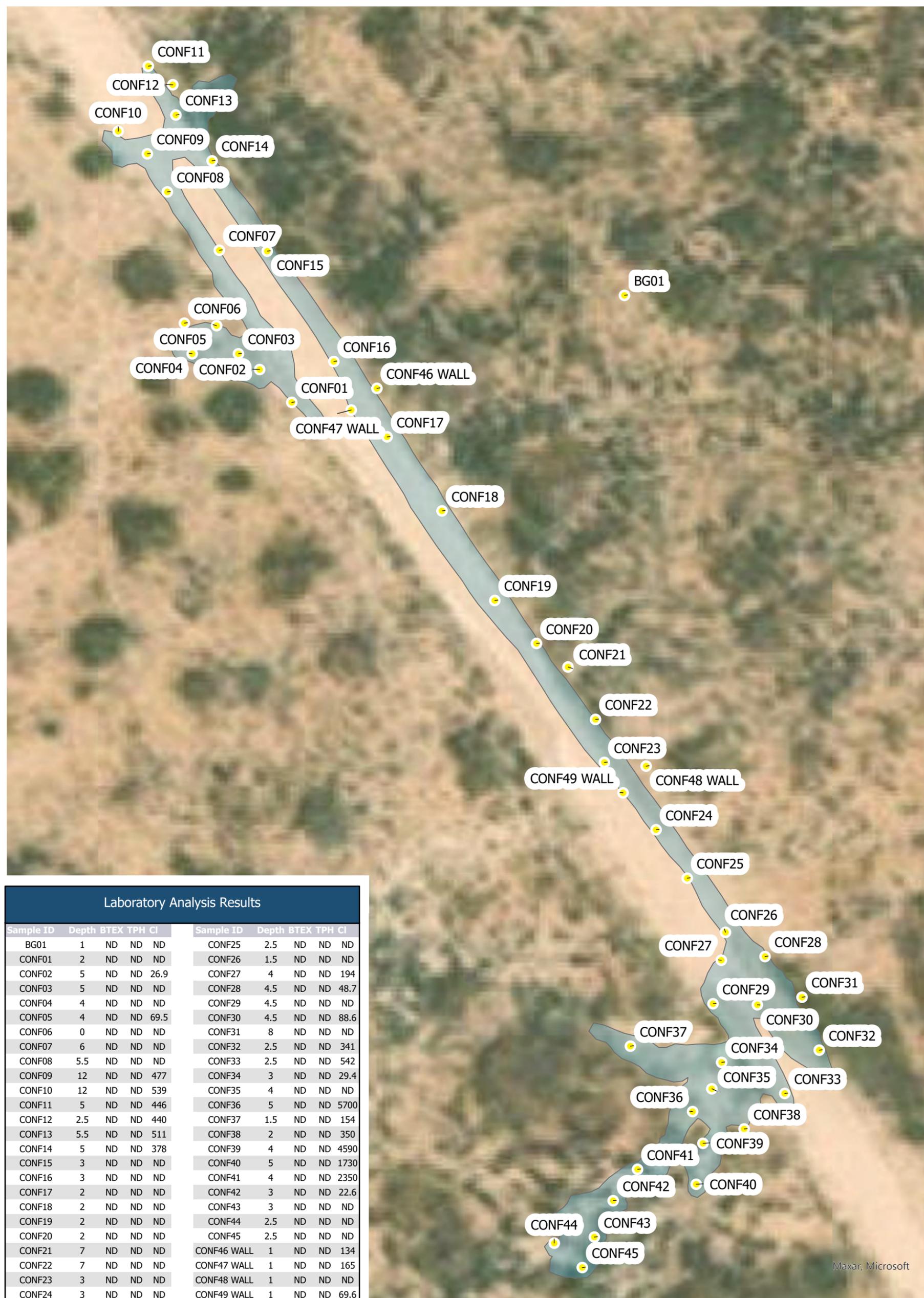


FIGURE 2.
CONFIRMATION SAMPLING



Ross Draw Unit #014
 Incident ID: nAPP2220850033
 API: 30-015-25208
 GPS Coordinates: 32.0124092, -103.8584137
 Eddy County, New Mexico
 Devon Energy

LEGEND

- Confirmation Sample Locations
- Spill Area



TABLE



Ross Draw Unit #014H nAPP2220850033						
Devon Energy 09.26.2022						
Table 1. Laboratory Analysis Results: Confirmation Samples						
Sample Description			Petroleum Hydrocarbons			Inorganic
Sample ID	Depth (ft.)	Date	Volatile		Extractable	Chloride (mk/kg)
			Benzene (mk/kg)	Total BTEX (mk/kg)	TPH (mk/kg)	
Closure Criteria			10	50	2500	20000
BG01	1	9/8/2022	ND	ND	ND	ND
CONF01	2	9/7/2022	ND	ND	ND	ND
CONF02	5	9/7/2022	ND	ND	ND	26.9
CONF03	5	9/7/2022	ND	ND	ND	ND
CONF04	4	9/7/2022	ND	ND	ND	ND
CONF05	4	9/7/2022	ND	ND	ND	69.5
CONF06	3	9/7/2022	ND	ND	ND	ND
CONF07	6	9/7/2022	ND	ND	ND	ND
CONF08	5.5	9/7/2022	ND	ND	ND	ND
CONF09	12	9/14/2022	ND	ND	ND	477
CONF10	12	9/14/2022	ND	ND	ND	539
CONF11	5	9/14/2022	ND	ND	ND	446
CONF12	2.5	9/7/2022	ND	ND	ND	440
CONF13	5.5	9/14/2022	ND	ND	ND	511
CONF14	5	9/14/2022	ND	ND	ND	378
CONF15	3	9/7/2022	ND	ND	ND	ND
CONF16	3	9/7/2022	ND	ND	ND	ND
CONF17	2	9/7/2022	ND	ND	ND	ND
CONF18	2	9/7/2022	ND	ND	ND	ND
CONF19	2	9/7/2022	ND	ND	ND	ND
CONF20	2	9/9/2022	ND	ND	ND	ND
CONF21	7	9/9/2022	ND	ND	ND	ND
CONF22	7	9/9/2022	ND	ND	ND	ND
CONF23	3	9/9/2022	ND	ND	ND	ND
CONF24	3	9/9/2022	ND	ND	ND	ND
CONF25	2.5	9/9/2022	ND	ND	ND	ND
ABBREVIATIONS						
BTEX — Benzene, Toluene, Ethylene, Xylene			GRO — Gasoline Range Organics			
DRO — Diesel Range Organics			ND — Non-detect			
ft. — Feet			mg/kg — Milligrams per Kilogram			
TPH — Total Petroleum Hydrocarbons						
Notes						
Bold Red - Results are above closure criteria						
Gray Highlight - Background Samples						



Ross Draw Unit #014H nAPP2220850033						
Devon Energy 09.26.2022						
Table 1. Laboratory Analysis Results: Confirmation Samples						
Sample Description			Petroleum Hydrocarbons			Inorganic
Sample ID	Depth (ft.)	Date	Volatile		Extractable	Chloride (mk/kg)
			Benzene (mk/kg)	Total BTEX (mk/kg)	TPH (mk/kg)	
Closure Criteria			10	50	2500	20000
CONF26	1.5	9/9/2022	ND	ND	ND	ND
CONF27	4	9/12/2022	ND	ND	ND	194
CONF28	4.5	9/12/2022	ND	ND	ND	48.7
CONF29	4.5	9/12/2022	ND	ND	ND	ND
CONF30	4.5	9/12/2022	ND	ND	ND	88.6
CONF31	8	9/12/2022	ND	ND	ND	ND
CONF32	2.5	9/13/2022	ND	ND	ND	341
CONF33	2.5	9/13/2022	ND	ND	ND	542
CONF34	3	9/13/2022	ND	ND	ND	29.4
CONF35	4	9/13/2022	ND	ND	ND	ND
CONF36	5	9/14/2022	ND	ND	ND	5700
CONF37	1.5	9/13/2022	ND	ND	ND	154
CONF38	2	9/13/2022	ND	ND	ND	350
CONF39	4	9/14/2022	ND	ND	ND	4590
CONF40	5	9/14/2022	ND	ND	ND	1730
CONF41	4	9/14/2022	ND	ND	ND	2350
CONF42	3	9/13/2022	ND	ND	ND	22.6
CONF43	3	9/13/2022	ND	ND	ND	ND
CONF44	2.5	9/13/2022	ND	ND	ND	ND
CONF45	2.5	9/13/2022	ND	ND	ND	ND
CONF46Wall	1	9/14/2022	ND	ND	ND	134
CONF47Wall	1	9/14/2022	ND	ND	ND	165
CONF48Wall	1	9/14/2022	ND	ND	ND	ND
CONF49Wall	1	9/14/2022	ND	ND	ND	69.6
ABBREVIATIONS						
BTEX — Benzene, Toluene, Ethylene, Xylene			GRO — Gasoline Range Organics			
DRO — Diesel Range Organics			ND — Non-detect			
ft. — Feet			mg/kg — Milligrams per Kilogram			
TPH — Total Petroleum Hydrocarbons						
Notes						
Bold Red - Results are above closure criteria						
Gray Highlight - Background Samples						



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Ross Draw Unit #014 | Incident ID: nAPP2220850033

ATTACHMENT A

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	nAPP2220850033
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) nAPP2220850033
Contact mailing address 5315 Buena Vista Drive, Carlsbad, NM 88220	

Location of Release Source

Latitude 32.0124092 Longitude -103.8584137
(NAD 83 in decimal degrees to 5 decimal places)

Site Name ROSS DRAW UNIT #014	Site Type Oil Well
Date Release Discovered 7/25/2022	API# (if applicable) 30-015-25208

Unit Letter	Section	Township	Range	County
L	26	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) 27	Volume Recovered (bbls) 1
	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: Above ground produced water transfer line developed pinhole leak along access road, allowing for release of 27 bbls of produced water along access ROW.

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

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Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? Volume exceeded 20 bbls.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Rosa Romero, Mike Bratcher via email on 7/26/2022.	

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:  Date: <u>7/27/2022</u> email: <u>jim.raley@dvn.com</u> Telephone: <u>575-689-7597</u>
<u>OCD Only</u> Received by: _____ Date: _____

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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?	_106_ (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 type="checkbox"/> Yes <input checked="" 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 1/2-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.

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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 Professional

Signature: _____

Date: 10/14/2022

email: jim.raley@dvn.com

Telephone: 575-689-7597

OCD Only

Received by: Jocelyn Harimon

Date: 10/14/2022

Incident ID	nAPP2220850033
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 Professional

Signature: 

Date: 10/14/2022

email: jim.raley@dvn.com

Telephone: 575-689-7597

OCD Only

Received by: Jocelyn Harimon

Date: 10/14/2022

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: 

Date: 01/03/2023

Printed Name: Jocelyn Harimon

Title: Environmental Specialist

ATTACHMENT B

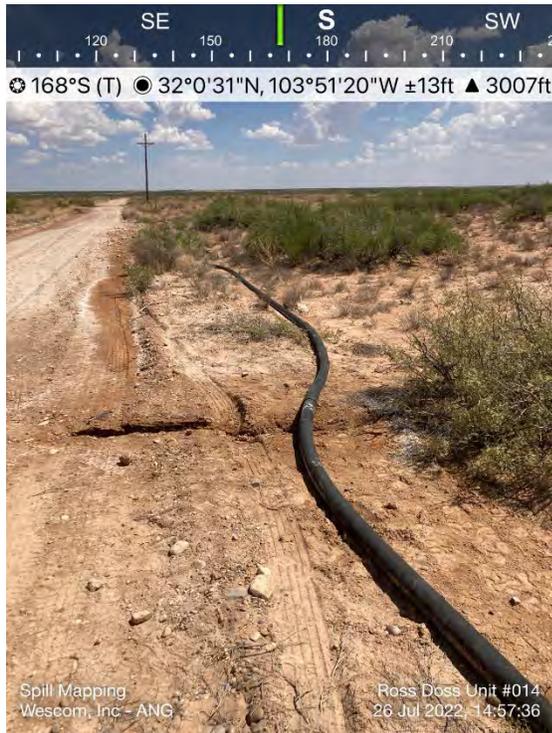
Site Photos



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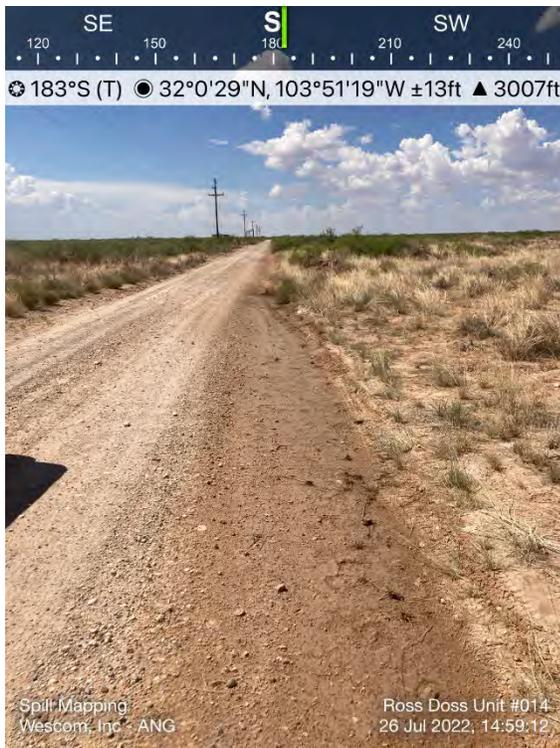
Ross Draw Unit #014 | Incident ID: nAPP2220850033



Spill Area



Spill Area



Spill Area



Spill Area



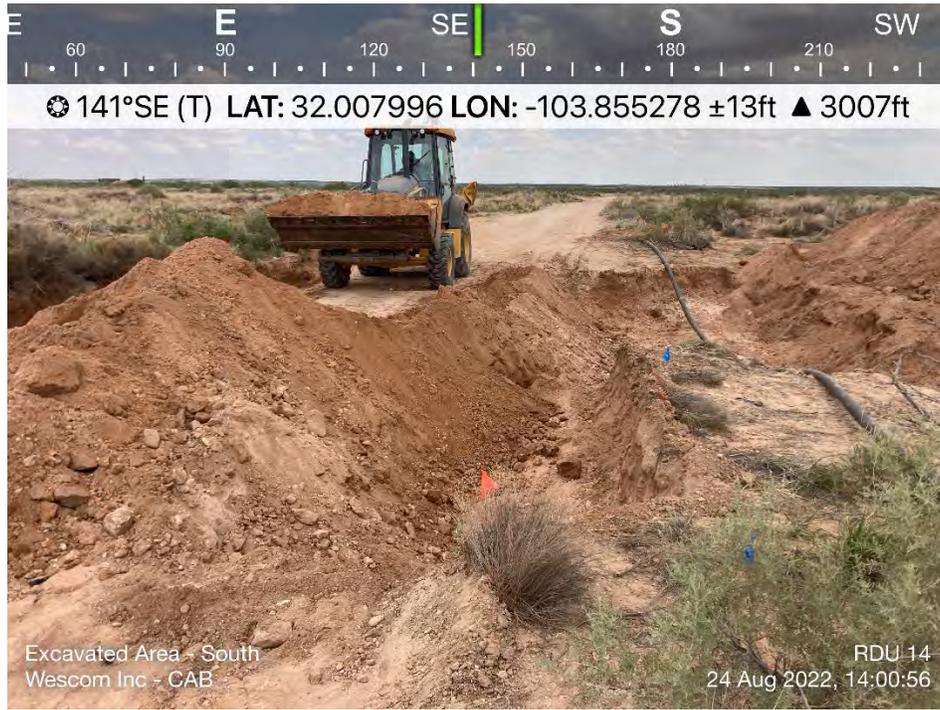


Temporary Road

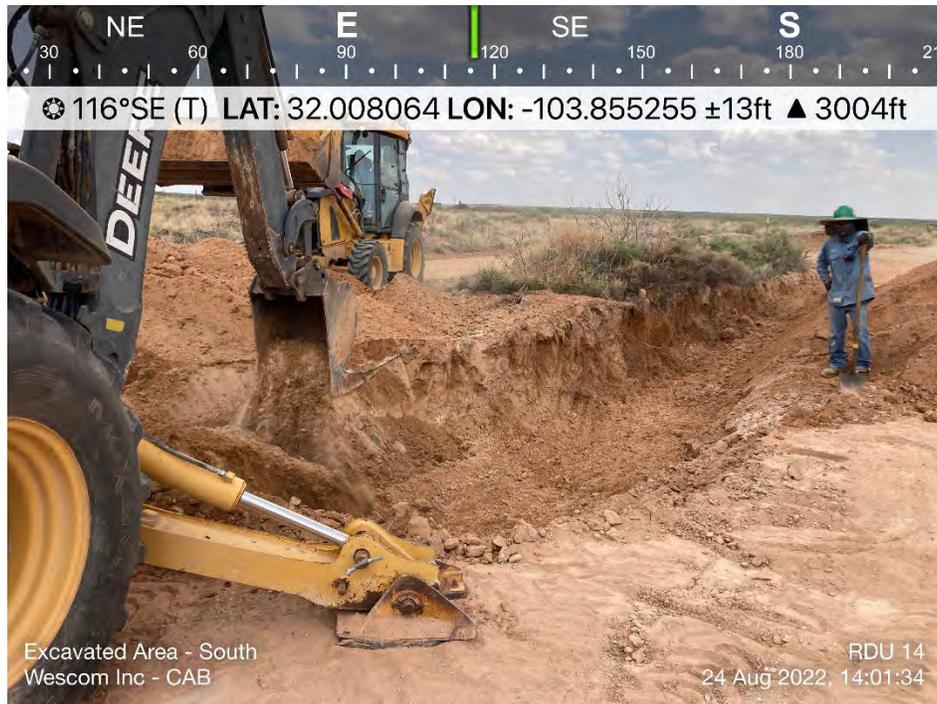


Excavated Area - South End





Excavated Area - South End



Excavated Area - South End





Excavated Area - On Road



Excavated Area - On Road



Excavated Area - On Road



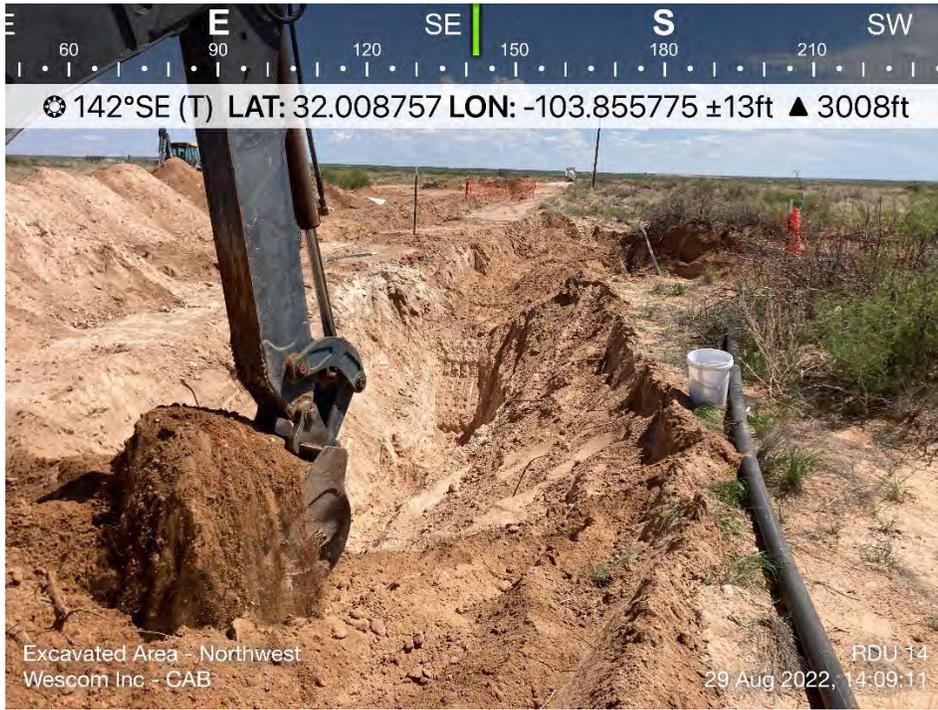


Contaminated Soil



Excavated Area - North End





Excavated Area - North End

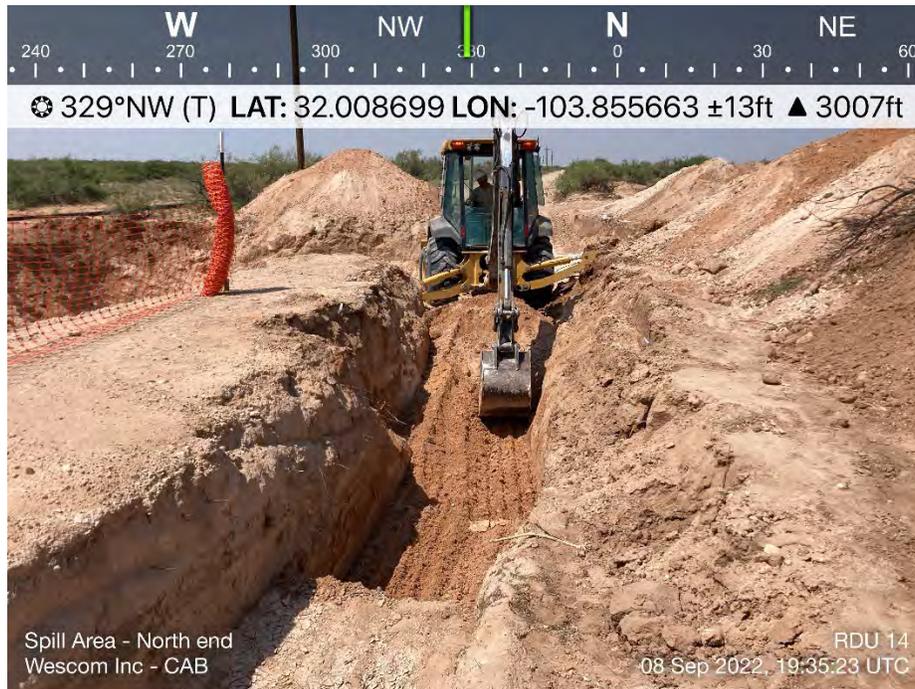


Excavated Area - North End





Excavated Area - South End



Excavated Area - North End





Excavated Area - South End

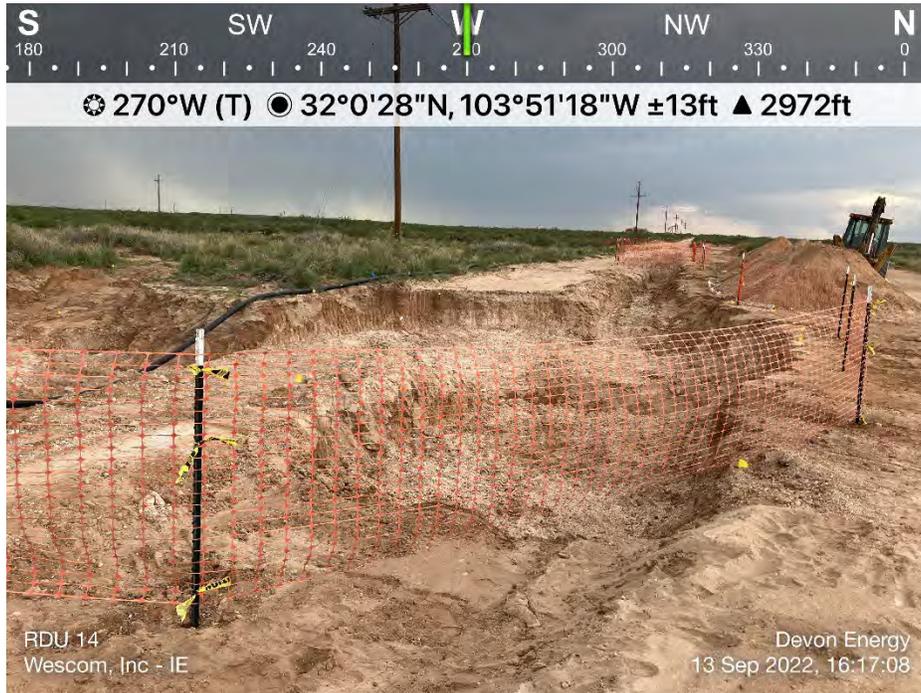


Excavated Area - South End





Confirmation Sampling - South End



Confirmation Sampling - South End





Confirmation Sampling - North End



Contaminated Soil Removed



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ATTACHMENT C

Closure Criteria Supporting Documents



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Ross Draw Unit #014 | Incident ID: nAPP2220850033



Site Investigation Report

Date of report: 1/5/2021
 Site Names: RDX 16-25 Ross Draw Unit #38
 RDX 17 #3 Ross Draw Unit #55
 RDX Fed Com 17-44H Ross Draw Unit #57
 RDX Fed Com 21-43 N Brushy Fed 35 #010H
 County: Eddy County, New Mexico
 Project No: 0397

Site Activities

Earth Systems Response and Restoration (ESRR) field activities were conducted December 8th through the 10th in Eddy county, New Mexico. ESRR oversaw the advancement of one soil boring at the eight above-mentioned locations to an approximate depth of 105 feet (ft.) below grade surface utilizing an air-rotary drilling rig operated by a State of New Mexico licensed driller. Additionally, HRL Compliance Solutions (HRL) conducted on-site soil logging activities during the advancement of the soil borings. Please see the detailed lithologic descriptions attached.

Upon completion of the soil borings, a PVC casing fitted with 5 ft. of machine-slotted well screen at the bottom was inserted into each soil boring. The PVC casing was left in place for a minimum of 72 hours prior to being gauged by HRL Consulting on December 12th with a water level meter to determine the presence or absence of groundwater. Subsequent to gauging activities, each soil boring had the PVC casing removed and was then backfilled with its associated native soil cuttings to grade surface.

Conclusions

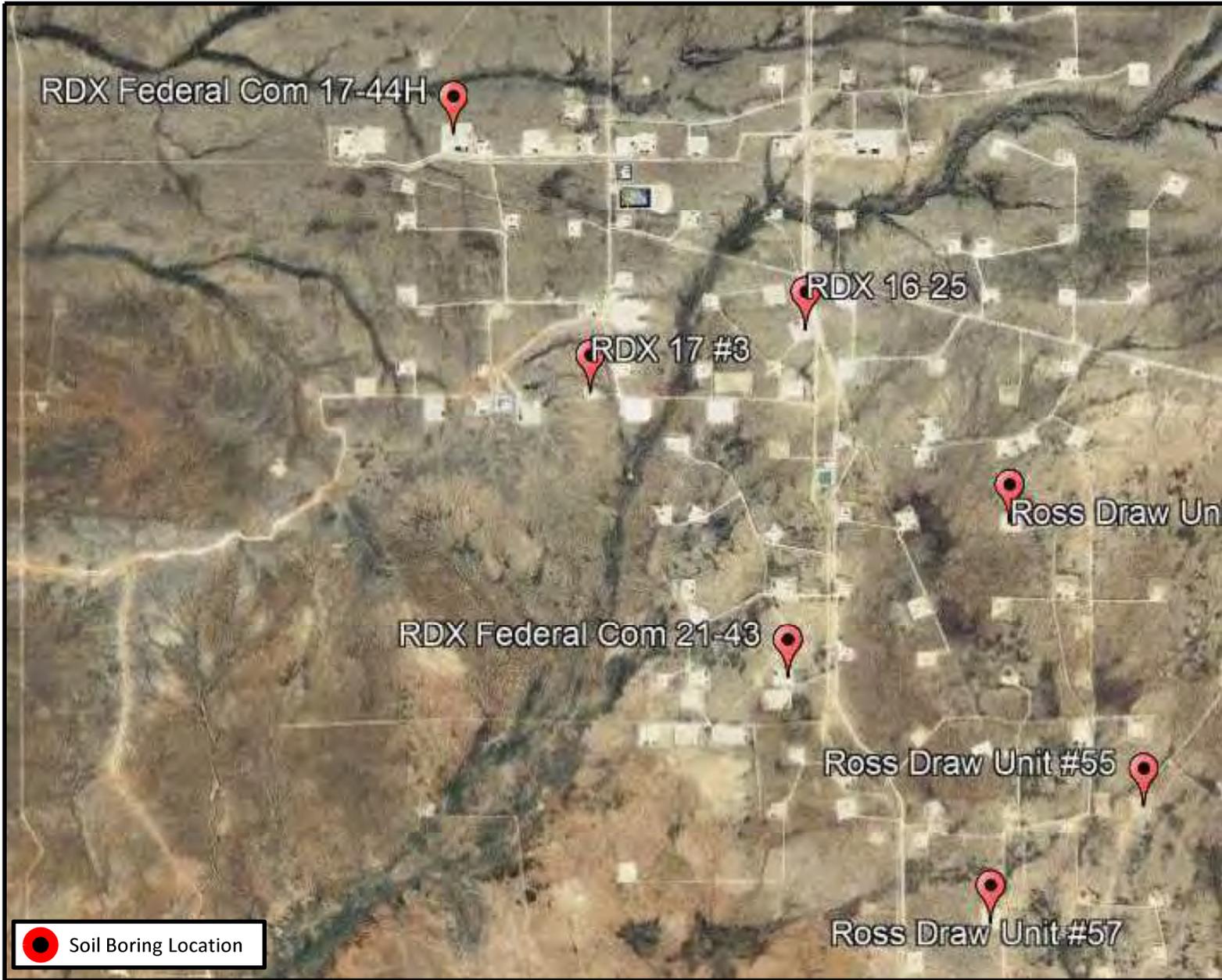
Groundwater was not detected in any of the eight soil borings as determined by utilizing a water level meter after 72 hours of development. It can be reasonably determined groundwater is deeper than 105 ft. bgs in the vicinity of the advanced soil borings.

Respectfully,

K. Williams

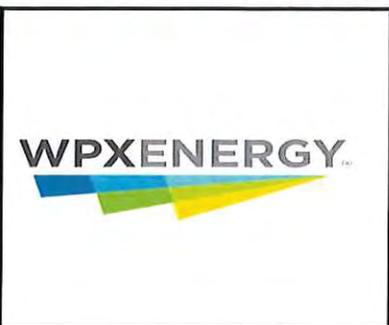
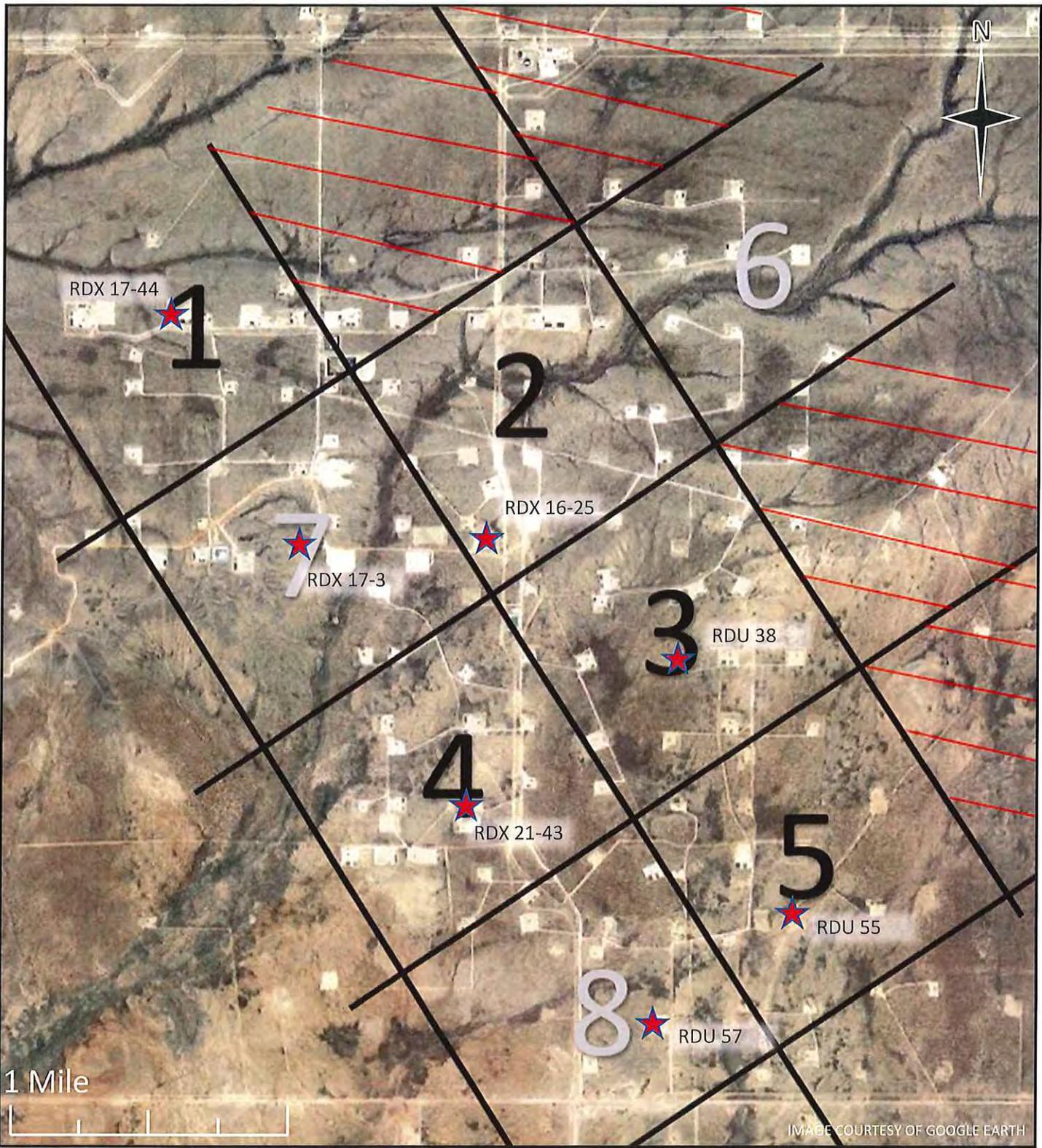
Kris Williams, CHMM, REM
Operations Manager

Attached: Drilling Locations Maps
Soil Boring Logs



Drilling Location Site Map		
RDX 16-25	(32.039900, -103.883337)	Ross Draw Unit #38
RDX 17 #3	(32.036765, -103.895993)	Ross Draw Unit #55
RDX Federal Com 17-44H	(32.049656, -103.904054)	Ross Draw Unit #57
RDX Federal Com 21-43	(32.022571, -103.884371)	

							BORING LOG/MONITORING WELL COMPLETION DIAGRAM											
Drilling Method: Air Rotary							Sampling Method: None			Boring/Well Number: MW-1			Location: Ross Draw Unit #55					
Gravel Pack Type: 10/20 Sand							Gravel Pack Depth Interval: 3 Bags			Date: 12/9/2020			Client: WPX Energy					
Casing Type: PVC							Diameter: 2-inch		Depth Interval: 0-101'7"		Logged By: J. Linn, PG			Drilled By: Talon LPE				
Screen Type: PVC							Slot: 0.010-inch		Diameter: 2-inch		Depth Interval: 101'7" - 106'7"		Seal Type: None		Seal Depth Interval: None		Latitude: 32.016165	
											Boring Total Depth (ft. BGS): 106'7"			Longitude: -103.86346				
											Well Total Depth (ft. BGS): 106'7"			Depth to Water (ft. BTOC): >106' 7"		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	SP	NS	Pale pink to buff colored poorly graded sand with minor silt									
5																		
10																		
15																		
20	NM	L	D	N	N	NM	SW	NS	Pale tan orange well graded fine sand with minor medium and coarse sand									
25																		
30																		
35	NM	L	D	N	N	NM	SP	NS	Pale orange brown poorly graded fine sand with minor gravel									
40																		
45																		
50																		
55																		
60																		
65	NM	L	D	N	N	NM	SP	NS	Grey poorly graded fine sand with minor gravel									
70																		
75																		
80																		
85																		
90	NM	L	D	N	N	NM	SP	NS	Darker grey poorly graded fine sand with minor silt and minor medium sand									
95																		
100	NM	M	D	N	N	NM	SC	NS	Dark grey fine sand with moderate silt and clay - TD 106'7"									
106'7"																		



Depth to Groundwater Determinations
 RDX/ RDU Area
 Permian Basin, Eddy County, NM
 Figure 01



**HRL
COMPLIANCE
SOLUTIONS**

BORING LOG/MONITORING WELL COMPLETION DIAGRAM

Boring/Well Number: MW-1		Location: Ross Draw Unit #55	
Date: 12/9/2020		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: 32.016165		Longitude: -103.86346	
Casing Type: PVC	Diameter: 2-inch	Depth Interval: 0-101'7"	Boring Total Depth (ft. BGS): 106'7"
Screen Type: PVC	Slot: 0.010-inch	Diameter: 2-inch	Depth Interval: 101'7" - 106'7"
Well Total Depth (ft. BGS): 106'7"		Depth to Water (ft. BTOC): >106' 7"	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	SP	NS	Pale pink to buff colored poorly graded sand with minor silt	
5										
10										
15										
20	NM	L	D	N	N	NM	SW	NS	Pale tan orange well graded fine sand with minor medium and coarse sand	
25										
30										
35	NM	L	D	N	N	NM	SP	NS	Pale orange brown poorly graded fine sand with minor gravel	
40										
45										
50										
55	NM	L	D	N	N	NM	SP	NS	Grey poorly graded fine sand with minor gravel	
60										
65										
70										
75	NM	L	D	N	N	NM	SP	NS	Darker grey poorly graded fine sand with minor silt and minor medium sand	
80										
85										
90	NM	M	D	N	N	NM	SC	NS	Dark grey fine sand with moderate silt and clay - TD 106'7"	
95										
100										
106'7"										

Ross Draw Unit #014

Distance to Nearest Depth to Water = 0.39 Miles

Legend

-  Distance = 0.39 Miles
-  DTW = 106 Ft 7 In - Ross Draw Unit #55
-  Ross Draw Unit #014

 DTW = 106 Ft 7 In - Ross Draw Unit #55

Ross Draw Unit #014 

State Line Rd

State Line Rd

State Line Rd

State Line Rd





Ross Draw Unit #014 - FW Pond 1.95 Miles



October 6, 2022

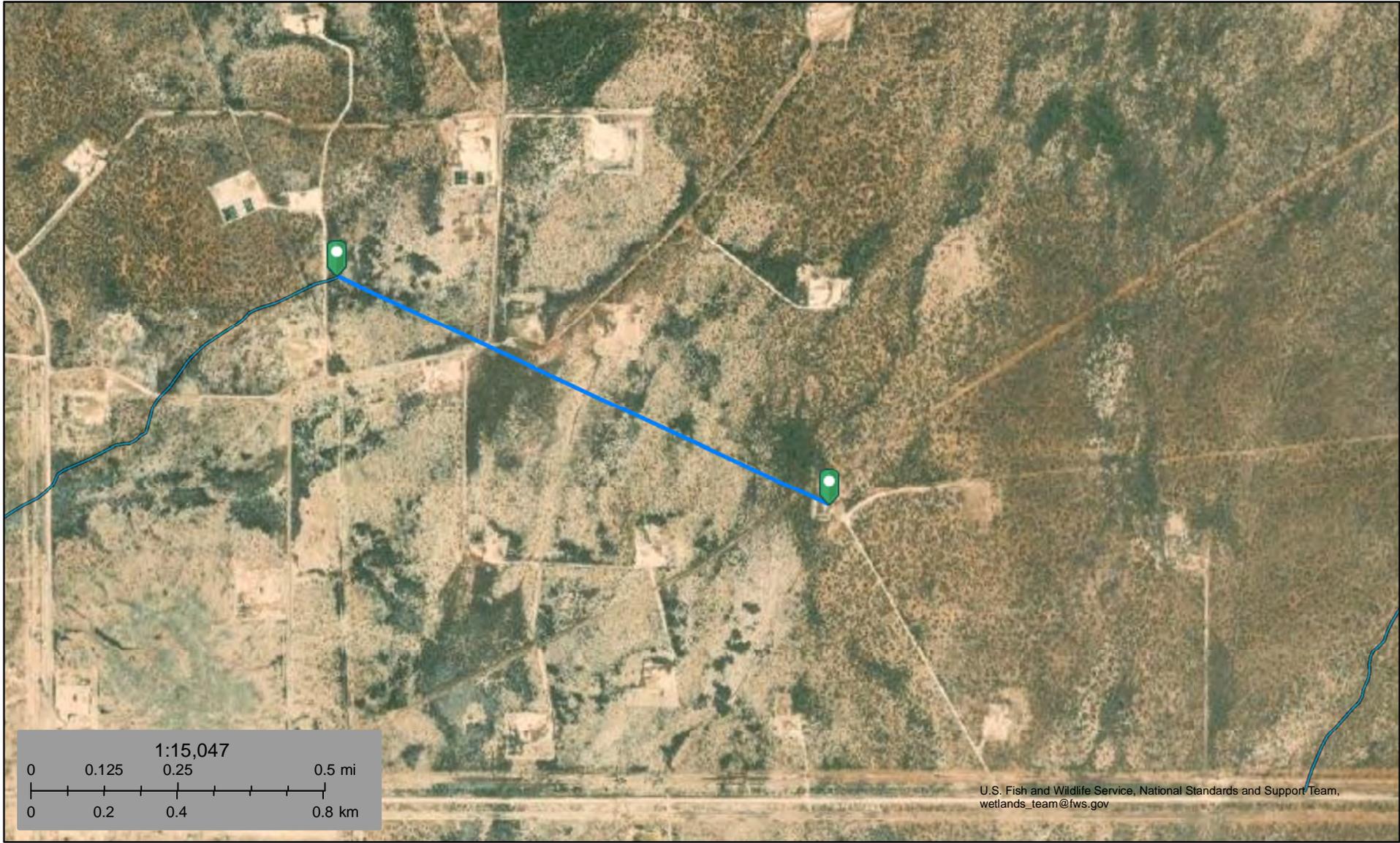
Wetlands

- Estuarine and Marine Deepwater
- Freshwater Emergent Wetland
- Lake
- Estuarine and Marine Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.



Ross Draw Unit #014 - Riverine 0.78 Miles



October 6, 2022

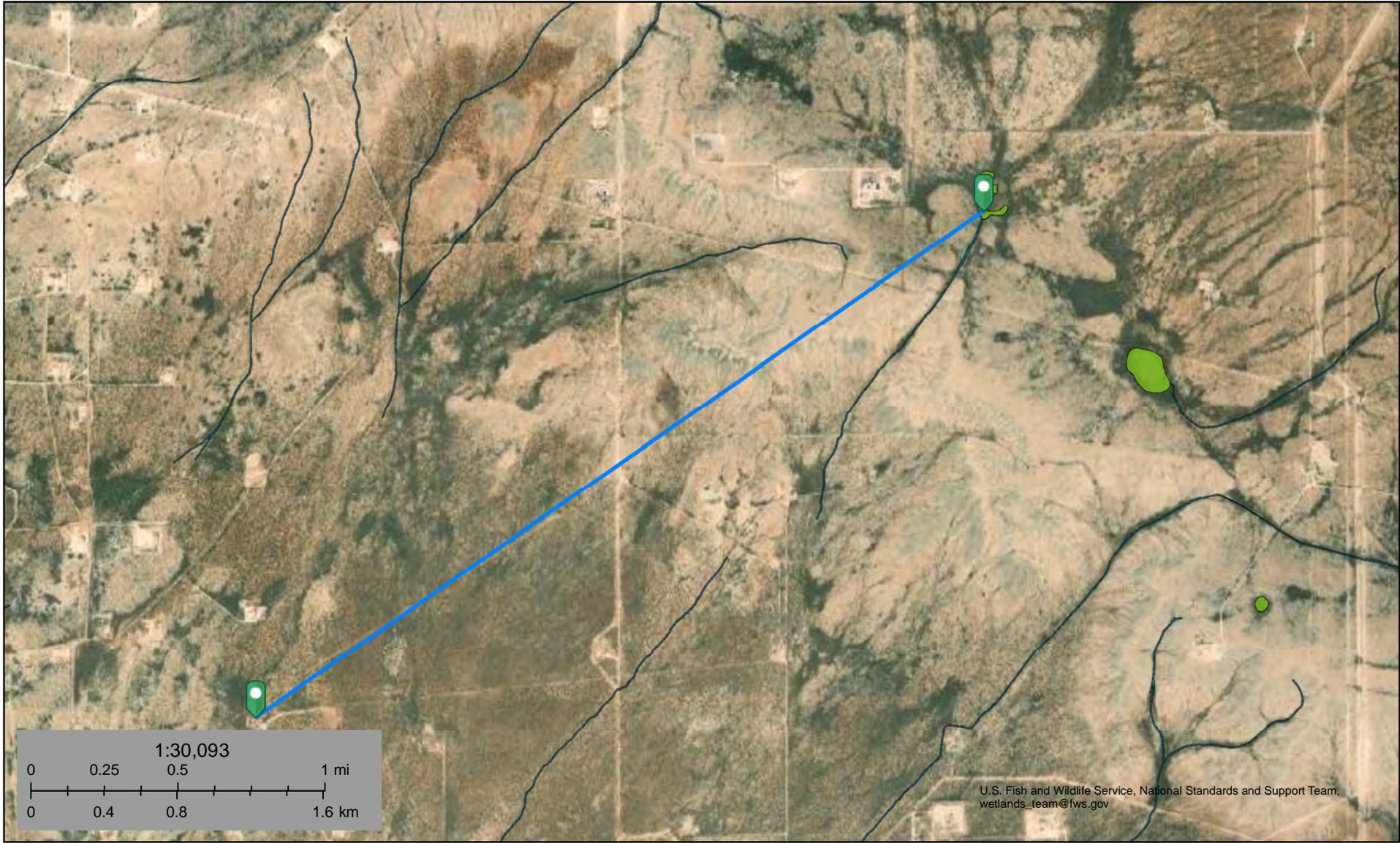
Wetlands

- Estuarine and Marine Deepwater
- Freshwater Emergent Wetland
- Lake
- Estuarine and Marine Wetland
- Freshwater Forested/Shrub Wetland
- Other
- Freshwater Pond
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.



Ross Draw Unit #014 - Wetland 2.56 Miles



October 6, 2022

Wetlands

- Estuarine and Marine Deepwater
- Freshwater Emergent Wetland
- Lake
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Other
- Estuarine and Marine Wetland
- Riverine

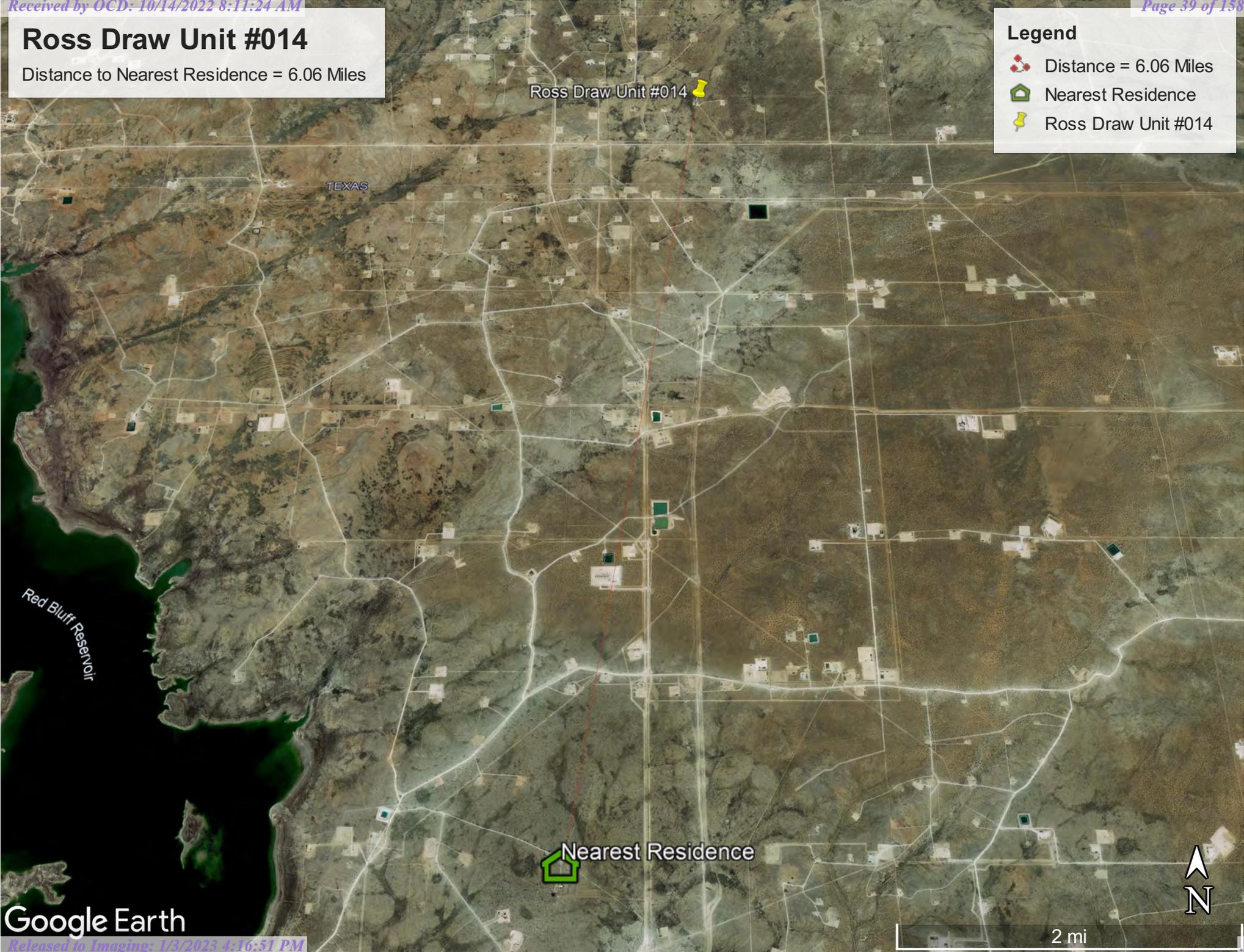
This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

Ross Draw Unit #014

Distance to Nearest Residence = 6.06 Miles

Legend

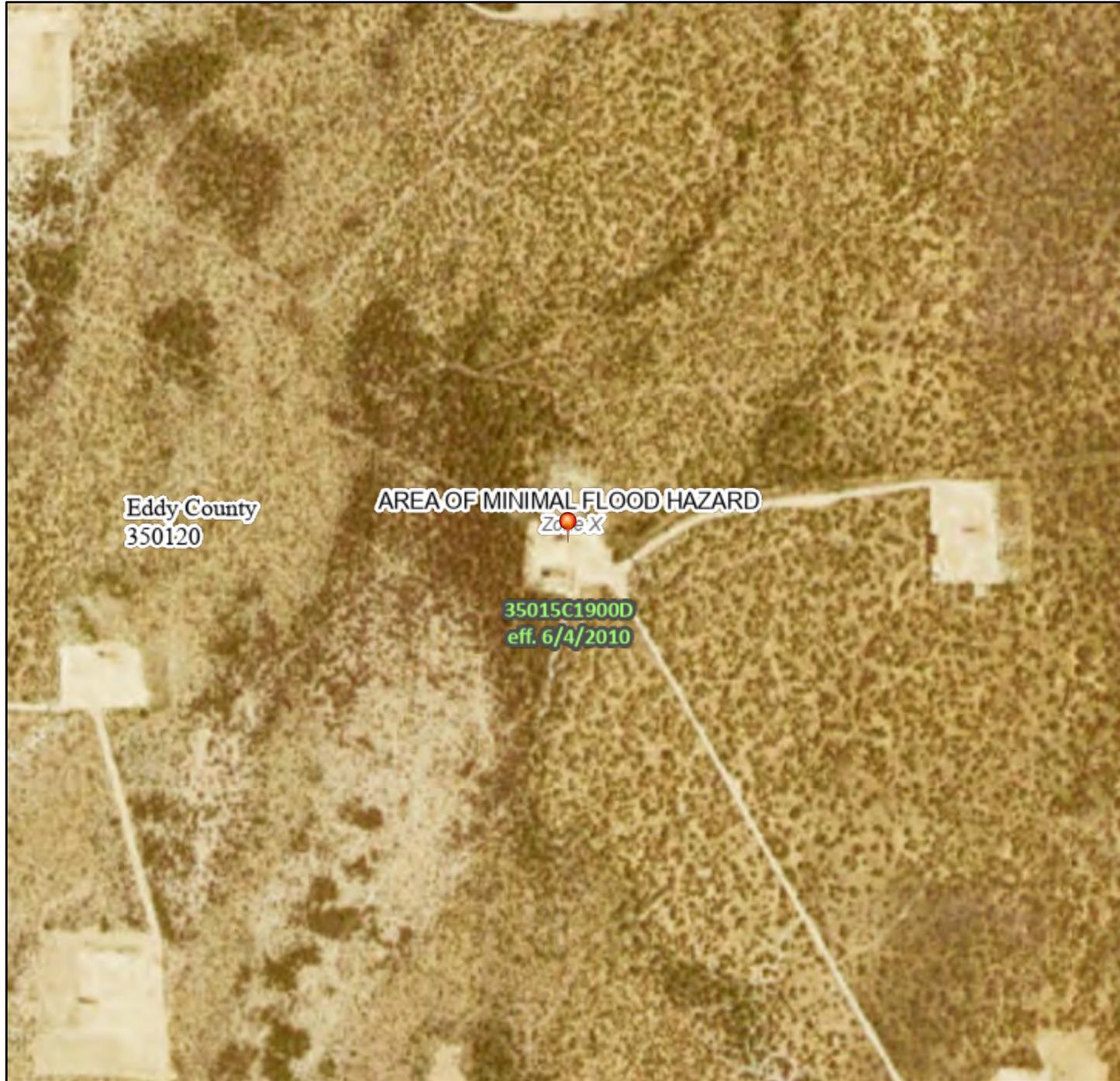
-  Distance = 6.06 Miles
-  Nearest Residence
-  Ross Draw Unit #014



National Flood Hazard Layer FIRMette



103°51'49"W 32°1'N



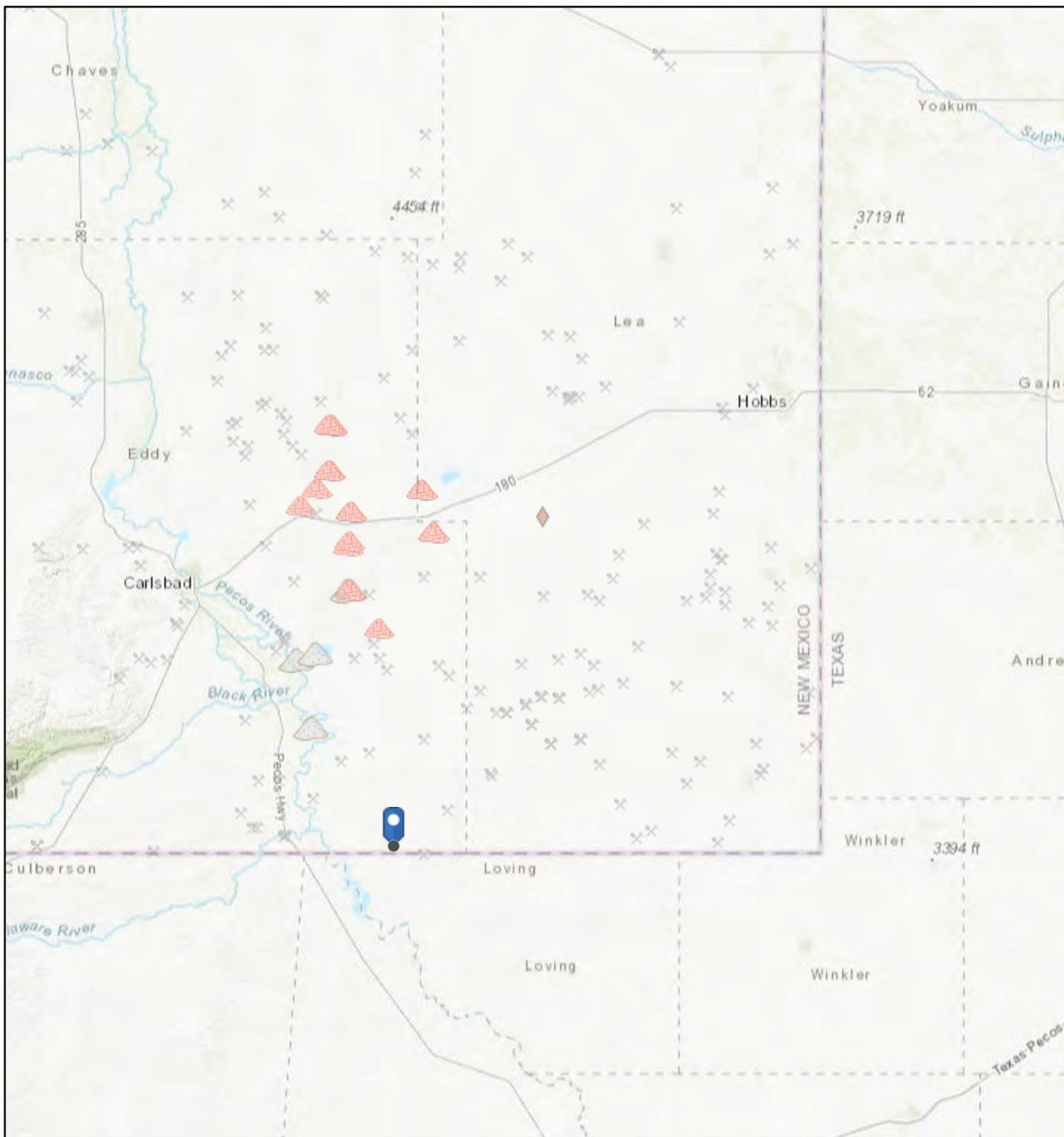
Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
GENERAL STRUCTURES		Area of Undetermined Flood Hazard Zone D
		Channel, Culvert, or Storm Sewer
OTHER FEATURES		Levee, Dike, or Floodwall
		20.2 Cross Sections with 1% Annual Chance
		17.5 Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
MAP PANELS		Coastal Transect Baseline
		Profile Baseline
		Hydrographic Feature
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped
		The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.



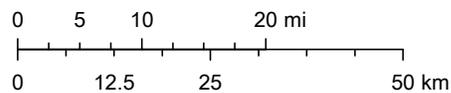
Active Mines Near Ross Draw Unit #014



8/26/2022, 8:00:17 AM

1:1,155,581

- | | | |
|------------------|-----------------------|-----------------------------|
| Registered Mines | x | Aggregate, Stone etc. |
| x | Aggregate, Stone etc. | Aggregate, Stone etc. |
| x | Aggregate, Stone etc. | Aggregate, Stone etc. |
| x | Aggregate, Stone etc. | Industrial Minerals (Other) |
| x | Aggregate, Stone etc. | Potash |
| x | Aggregate, Stone etc. | Salt |
| x | Aggregate, Stone etc. | |



Esri, HERE, Garmin, FAO, USGS, NGA, EPA, NPS

ATTACHMENT D

Karst Map



Ross Draw Unit #014

Karst Potential = Medium

Legend

-  01 Low
-  02 Medium
-  03 High
-  Ross Draw Unit #014
-  Spill Area

Ross Draw Unit #014 

State Line Rd



ATTACHMENT E

Envirotech Inc. Laboratory Analysis Reports



Energizing America

wescominc.com | info@wescominc.com | 218-724-1322

Ross Draw Unit #014 | Incident ID: nAPP2220850033

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name: Ross Draw Unit #014

Work Order: E209040

Job Number: 01058-0007

Received: 9/12/2022

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/15/22

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: 9/15/22



Ashley Giovengo
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Ross Draw Unit #014
Workorder: E209040
Date Received: 9/12/2022 8:36:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/12/2022 8:36:00AM, under the Project Name: Ross Draw Unit #014.

The analytical test results summarized in this report with the Project Name: Ross Draw Unit #014 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
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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
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Ross Draw Unit #014
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
09/15/22 16:34

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CONF01 - 2'	E209040-01A	Soil	09/07/22	09/12/22	Glass Jar, 4 oz.
CONF02 - 5'	E209040-02A	Soil	09/07/22	09/12/22	Glass Jar, 4 oz.
CONF03 - 5'	E209040-03A	Soil	09/07/22	09/12/22	Glass Jar, 4 oz.
CONF04 - 4'	E209040-04A	Soil	09/07/22	09/12/22	Glass Jar, 4 oz.
CONF05 - 4'	E209040-05A	Soil	09/07/22	09/12/22	Glass Jar, 4 oz.
CONF06 - 3'	E209040-06A	Soil	09/07/22	09/12/22	Glass Jar, 4 oz.
CONF07 - 6'	E209040-07A	Soil	09/07/22	09/12/22	Glass Jar, 4 oz.
CONF08 - 5.5'	E209040-08A	Soil	09/07/22	09/12/22	Glass Jar, 4 oz.
CONF12 - 2.5'	E209040-09A	Soil	09/07/22	09/12/22	Glass Jar, 4 oz.
CONF15 - 3'	E209040-10A	Soil	09/07/22	09/12/22	Glass Jar, 4 oz.
CONF16 - 3'	E209040-11A	Soil	09/07/22	09/12/22	Glass Jar, 4 oz.
CONF17 - 2'	E209040-12A	Soil	09/07/22	09/12/22	Glass Jar, 4 oz.
CONF18 - 2'	E209040-13A	Soil	09/07/22	09/12/22	Glass Jar, 4 oz.
CONF19 - 2'	E209040-14A	Soil	09/07/22	09/12/22	Glass Jar, 4 oz.



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #014 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 9/15/2022 4:34:03PM
---	---	----------------------------------

CONF01 - 2'

E209040-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2238006
Benzene	ND	0.0250	1	09/12/22	09/12/22	
Ethylbenzene	ND	0.0250	1	09/12/22	09/12/22	
Toluene	ND	0.0250	1	09/12/22	09/12/22	
o-Xylene	ND	0.0250	1	09/12/22	09/12/22	
p,m-Xylene	ND	0.0500	1	09/12/22	09/12/22	
Total Xylenes	ND	0.0250	1	09/12/22	09/12/22	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	09/12/22	09/12/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		92.2 %	70-130	09/12/22	09/12/22	
<i>Surrogate: Toluene-d8</i>		98.4 %	70-130	09/12/22	09/12/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2238006
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/12/22	09/12/22	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	09/12/22	09/12/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		92.2 %	70-130	09/12/22	09/12/22	
<i>Surrogate: Toluene-d8</i>		98.4 %	70-130	09/12/22	09/12/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2238012
Diesel Range Organics (C10-C28)	ND	25.0	1	09/12/22	09/13/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/12/22	09/13/22	
<i>Surrogate: n-Nonane</i>		96.2 %	50-200	09/12/22	09/13/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2238025
Chloride	ND	20.0	1	09/13/22	09/14/22	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #014 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 9/15/2022 4:34:03PM
---	---	----------------------------------

CONF02 - 5'

E209040-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2238006
Benzene	ND	0.0250	1	09/12/22	09/12/22	
Ethylbenzene	ND	0.0250	1	09/12/22	09/12/22	
Toluene	ND	0.0250	1	09/12/22	09/12/22	
o-Xylene	ND	0.0250	1	09/12/22	09/12/22	
p,m-Xylene	ND	0.0500	1	09/12/22	09/12/22	
Total Xylenes	ND	0.0250	1	09/12/22	09/12/22	
<i>Surrogate: Bromofluorobenzene</i>		98.7 %	70-130	09/12/22	09/12/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		90.2 %	70-130	09/12/22	09/12/22	
<i>Surrogate: Toluene-d8</i>		97.5 %	70-130	09/12/22	09/12/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2238006
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/12/22	09/12/22	
<i>Surrogate: Bromofluorobenzene</i>		98.7 %	70-130	09/12/22	09/12/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		90.2 %	70-130	09/12/22	09/12/22	
<i>Surrogate: Toluene-d8</i>		97.5 %	70-130	09/12/22	09/12/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2238012
Diesel Range Organics (C10-C28)	ND	25.0	1	09/12/22	09/13/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/12/22	09/13/22	
<i>Surrogate: n-Nonane</i>		103 %	50-200	09/12/22	09/13/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2238025
Chloride	26.9	20.0	1	09/13/22	09/14/22	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #014 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 9/15/2022 4:34:03PM
---	---	----------------------------------

CONF03 - 5'

E209040-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2238006
Benzene	ND	0.0250	1	09/12/22	09/12/22	
Ethylbenzene	ND	0.0250	1	09/12/22	09/12/22	
Toluene	ND	0.0250	1	09/12/22	09/12/22	
o-Xylene	ND	0.0250	1	09/12/22	09/12/22	
p,m-Xylene	ND	0.0500	1	09/12/22	09/12/22	
Total Xylenes	ND	0.0250	1	09/12/22	09/12/22	
<i>Surrogate: Bromofluorobenzene</i>		98.5 %	70-130	09/12/22	09/12/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.4 %	70-130	09/12/22	09/12/22	
<i>Surrogate: Toluene-d8</i>		95.0 %	70-130	09/12/22	09/12/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2238006
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/12/22	09/12/22	
<i>Surrogate: Bromofluorobenzene</i>		98.5 %	70-130	09/12/22	09/12/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.4 %	70-130	09/12/22	09/12/22	
<i>Surrogate: Toluene-d8</i>		95.0 %	70-130	09/12/22	09/12/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2238012
Diesel Range Organics (C10-C28)	ND	25.0	1	09/12/22	09/13/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/12/22	09/13/22	
<i>Surrogate: n-Nonane</i>		94.9 %	50-200	09/12/22	09/13/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2238025
Chloride	ND	20.0	1	09/13/22	09/14/22	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #014 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 9/15/2022 4:34:03PM
---	---	----------------------------------

CONF04 - 4'

E209040-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2238006
Benzene	ND	0.0250	1	09/12/22	09/12/22	
Ethylbenzene	ND	0.0250	1	09/12/22	09/12/22	
Toluene	ND	0.0250	1	09/12/22	09/12/22	
o-Xylene	ND	0.0250	1	09/12/22	09/12/22	
p,m-Xylene	ND	0.0500	1	09/12/22	09/12/22	
Total Xylenes	ND	0.0250	1	09/12/22	09/12/22	
<i>Surrogate: Bromofluorobenzene</i>		99.3 %	70-130	09/12/22	09/12/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		91.5 %	70-130	09/12/22	09/12/22	
<i>Surrogate: Toluene-d8</i>		97.0 %	70-130	09/12/22	09/12/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2238006
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/12/22	09/12/22	
<i>Surrogate: Bromofluorobenzene</i>		99.3 %	70-130	09/12/22	09/12/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		91.5 %	70-130	09/12/22	09/12/22	
<i>Surrogate: Toluene-d8</i>		97.0 %	70-130	09/12/22	09/12/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2238012
Diesel Range Organics (C10-C28)	ND	25.0	1	09/12/22	09/13/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/12/22	09/13/22	
<i>Surrogate: n-Nonane</i>		93.8 %	50-200	09/12/22	09/13/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2238025
Chloride	ND	20.0	1	09/13/22	09/14/22	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #014 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 9/15/2022 4:34:03PM
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CONF05 - 4'

E209040-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2238006
Benzene	ND	0.0250	1	09/12/22	09/12/22	
Ethylbenzene	ND	0.0250	1	09/12/22	09/12/22	
Toluene	ND	0.0250	1	09/12/22	09/12/22	
o-Xylene	ND	0.0250	1	09/12/22	09/12/22	
p,m-Xylene	ND	0.0500	1	09/12/22	09/12/22	
Total Xylenes	ND	0.0250	1	09/12/22	09/12/22	
<i>Surrogate: Bromofluorobenzene</i>		98.0 %	70-130	09/12/22	09/12/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		92.3 %	70-130	09/12/22	09/12/22	
<i>Surrogate: Toluene-d8</i>		95.0 %	70-130	09/12/22	09/12/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2238006
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/12/22	09/12/22	
<i>Surrogate: Bromofluorobenzene</i>		98.0 %	70-130	09/12/22	09/12/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		92.3 %	70-130	09/12/22	09/12/22	
<i>Surrogate: Toluene-d8</i>		95.0 %	70-130	09/12/22	09/12/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2238012
Diesel Range Organics (C10-C28)	ND	25.0	1	09/12/22	09/13/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/12/22	09/13/22	
<i>Surrogate: n-Nonane</i>		95.1 %	50-200	09/12/22	09/13/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2238025
Chloride	69.5	20.0	1	09/13/22	09/14/22	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #014 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 9/15/2022 4:34:03PM
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CONF06 - 3'

E209040-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2238006
Benzene	ND	0.0250	1	09/12/22	09/12/22	
Ethylbenzene	ND	0.0250	1	09/12/22	09/12/22	
Toluene	ND	0.0250	1	09/12/22	09/12/22	
o-Xylene	ND	0.0250	1	09/12/22	09/12/22	
p,m-Xylene	ND	0.0500	1	09/12/22	09/12/22	
Total Xylenes	ND	0.0250	1	09/12/22	09/12/22	
<i>Surrogate: Bromofluorobenzene</i>		98.3 %	70-130	09/12/22	09/12/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		92.5 %	70-130	09/12/22	09/12/22	
<i>Surrogate: Toluene-d8</i>		97.2 %	70-130	09/12/22	09/12/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2238006
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/12/22	09/12/22	
<i>Surrogate: Bromofluorobenzene</i>		98.3 %	70-130	09/12/22	09/12/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		92.5 %	70-130	09/12/22	09/12/22	
<i>Surrogate: Toluene-d8</i>		97.2 %	70-130	09/12/22	09/12/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2238012
Diesel Range Organics (C10-C28)	ND	25.0	1	09/12/22	09/13/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/12/22	09/13/22	
<i>Surrogate: n-Nonane</i>		88.8 %	50-200	09/12/22	09/13/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2238025
Chloride	ND	20.0	1	09/13/22	09/14/22	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #014 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 9/15/2022 4:34:03PM
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CONF07 - 6'
E209040-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2238006
Benzene	ND	0.0250	1	09/12/22	09/12/22	
Ethylbenzene	ND	0.0250	1	09/12/22	09/12/22	
Toluene	ND	0.0250	1	09/12/22	09/12/22	
o-Xylene	ND	0.0250	1	09/12/22	09/12/22	
p,m-Xylene	ND	0.0500	1	09/12/22	09/12/22	
Total Xylenes	ND	0.0250	1	09/12/22	09/12/22	
<i>Surrogate: Bromofluorobenzene</i>		97.7 %	70-130	09/12/22	09/12/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		89.0 %	70-130	09/12/22	09/12/22	
<i>Surrogate: Toluene-d8</i>		96.6 %	70-130	09/12/22	09/12/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2238006
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/12/22	09/12/22	
<i>Surrogate: Bromofluorobenzene</i>		97.7 %	70-130	09/12/22	09/12/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		89.0 %	70-130	09/12/22	09/12/22	
<i>Surrogate: Toluene-d8</i>		96.6 %	70-130	09/12/22	09/12/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2238012
Diesel Range Organics (C10-C28)	ND	25.0	1	09/12/22	09/14/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/12/22	09/14/22	
<i>Surrogate: n-Nonane</i>		83.7 %	50-200	09/12/22	09/14/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2238025
Chloride	ND	40.0	2	09/13/22	09/14/22	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #014 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 9/15/2022 4:34:03PM
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CONF08 - 5.5'

E209040-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2238006
Benzene	ND	0.0250	1	09/12/22	09/12/22	
Ethylbenzene	ND	0.0250	1	09/12/22	09/12/22	
Toluene	ND	0.0250	1	09/12/22	09/12/22	
o-Xylene	ND	0.0250	1	09/12/22	09/12/22	
p,m-Xylene	ND	0.0500	1	09/12/22	09/12/22	
Total Xylenes	ND	0.0250	1	09/12/22	09/12/22	
<i>Surrogate: Bromofluorobenzene</i>		96.3 %	70-130	09/12/22	09/12/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		89.4 %	70-130	09/12/22	09/12/22	
<i>Surrogate: Toluene-d8</i>		96.8 %	70-130	09/12/22	09/12/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2238006
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/12/22	09/12/22	
<i>Surrogate: Bromofluorobenzene</i>		96.3 %	70-130	09/12/22	09/12/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		89.4 %	70-130	09/12/22	09/12/22	
<i>Surrogate: Toluene-d8</i>		96.8 %	70-130	09/12/22	09/12/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2238012
Diesel Range Organics (C10-C28)	ND	25.0	1	09/12/22	09/14/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/12/22	09/14/22	
<i>Surrogate: n-Nonane</i>		92.1 %	50-200	09/12/22	09/14/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2238025
Chloride	ND	100	5	09/13/22	09/14/22	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #014 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 9/15/2022 4:34:03PM
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CONF12 - 2.5'

E209040-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2238006
Benzene	ND	0.0250	1	09/12/22	09/13/22	
Ethylbenzene	ND	0.0250	1	09/12/22	09/13/22	
Toluene	ND	0.0250	1	09/12/22	09/13/22	
o-Xylene	ND	0.0250	1	09/12/22	09/13/22	
p,m-Xylene	ND	0.0500	1	09/12/22	09/13/22	
Total Xylenes	ND	0.0250	1	09/12/22	09/13/22	
<i>Surrogate: Bromofluorobenzene</i>		99.7 %	70-130	09/12/22	09/13/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		91.5 %	70-130	09/12/22	09/13/22	
<i>Surrogate: Toluene-d8</i>		97.7 %	70-130	09/12/22	09/13/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2238006
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/12/22	09/13/22	
<i>Surrogate: Bromofluorobenzene</i>		99.7 %	70-130	09/12/22	09/13/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		91.5 %	70-130	09/12/22	09/13/22	
<i>Surrogate: Toluene-d8</i>		97.7 %	70-130	09/12/22	09/13/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2238012
Diesel Range Organics (C10-C28)	ND	25.0	1	09/12/22	09/14/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/12/22	09/14/22	
<i>Surrogate: n-Nonane</i>		85.0 %	50-200	09/12/22	09/14/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2238025
Chloride	440	20.0	1	09/13/22	09/14/22	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #014 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 9/15/2022 4:34:03PM
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CONF15 - 3'
E209040-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2238006
Benzene	ND	0.0250	1	09/12/22	09/13/22	
Ethylbenzene	ND	0.0250	1	09/12/22	09/13/22	
Toluene	ND	0.0250	1	09/12/22	09/13/22	
o-Xylene	ND	0.0250	1	09/12/22	09/13/22	
p,m-Xylene	ND	0.0500	1	09/12/22	09/13/22	
Total Xylenes	ND	0.0250	1	09/12/22	09/13/22	
<i>Surrogate: Bromofluorobenzene</i>		96.8 %	70-130	09/12/22	09/13/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		89.8 %	70-130	09/12/22	09/13/22	
<i>Surrogate: Toluene-d8</i>		96.6 %	70-130	09/12/22	09/13/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2238006
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/12/22	09/13/22	
<i>Surrogate: Bromofluorobenzene</i>		96.8 %	70-130	09/12/22	09/13/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		89.8 %	70-130	09/12/22	09/13/22	
<i>Surrogate: Toluene-d8</i>		96.6 %	70-130	09/12/22	09/13/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2238012
Diesel Range Organics (C10-C28)	ND	25.0	1	09/12/22	09/14/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/12/22	09/14/22	
<i>Surrogate: n-Nonane</i>		88.2 %	50-200	09/12/22	09/14/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2238025
Chloride	ND	20.0	1	09/13/22	09/14/22	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #014 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 9/15/2022 4:34:03PM
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CONF16 - 3'
E209040-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2238006
Benzene	ND	0.0250	1	09/12/22	09/13/22	
Ethylbenzene	ND	0.0250	1	09/12/22	09/13/22	
Toluene	ND	0.0250	1	09/12/22	09/13/22	
o-Xylene	ND	0.0250	1	09/12/22	09/13/22	
p,m-Xylene	ND	0.0500	1	09/12/22	09/13/22	
Total Xylenes	ND	0.0250	1	09/12/22	09/13/22	
<i>Surrogate: Bromofluorobenzene</i>		97.0 %	70-130	09/12/22	09/13/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		89.6 %	70-130	09/12/22	09/13/22	
<i>Surrogate: Toluene-d8</i>		95.5 %	70-130	09/12/22	09/13/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2238006
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/12/22	09/13/22	
<i>Surrogate: Bromofluorobenzene</i>		97.0 %	70-130	09/12/22	09/13/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		89.6 %	70-130	09/12/22	09/13/22	
<i>Surrogate: Toluene-d8</i>		95.5 %	70-130	09/12/22	09/13/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2238012
Diesel Range Organics (C10-C28)	ND	25.0	1	09/12/22	09/14/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/12/22	09/14/22	
<i>Surrogate: n-Nonane</i>		91.7 %	50-200	09/12/22	09/14/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2238025
Chloride	ND	20.0	1	09/13/22	09/14/22	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #014 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 9/15/2022 4:34:03PM
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CONF17 - 2'

E209040-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2238006
Benzene	ND	0.0250	1	09/12/22	09/13/22	
Ethylbenzene	ND	0.0250	1	09/12/22	09/13/22	
Toluene	ND	0.0250	1	09/12/22	09/13/22	
o-Xylene	ND	0.0250	1	09/12/22	09/13/22	
p,m-Xylene	ND	0.0500	1	09/12/22	09/13/22	
Total Xylenes	ND	0.0250	1	09/12/22	09/13/22	
<i>Surrogate: Bromofluorobenzene</i>		99.5 %	70-130	09/12/22	09/13/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		93.7 %	70-130	09/12/22	09/13/22	
<i>Surrogate: Toluene-d8</i>		96.7 %	70-130	09/12/22	09/13/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2238006
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/12/22	09/13/22	
<i>Surrogate: Bromofluorobenzene</i>		99.5 %	70-130	09/12/22	09/13/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		93.7 %	70-130	09/12/22	09/13/22	
<i>Surrogate: Toluene-d8</i>		96.7 %	70-130	09/12/22	09/13/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2238012
Diesel Range Organics (C10-C28)	ND	25.0	1	09/12/22	09/14/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/12/22	09/14/22	
<i>Surrogate: n-Nonane</i>		94.8 %	50-200	09/12/22	09/14/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2238025
Chloride	ND	20.0	1	09/13/22	09/14/22	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #014 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 9/15/2022 4:34:03PM
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CONF18 - 2'
E209040-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2238006
Benzene	ND	0.0250	1	09/12/22	09/13/22	
Ethylbenzene	ND	0.0250	1	09/12/22	09/13/22	
Toluene	ND	0.0250	1	09/12/22	09/13/22	
o-Xylene	ND	0.0250	1	09/12/22	09/13/22	
p,m-Xylene	ND	0.0500	1	09/12/22	09/13/22	
Total Xylenes	ND	0.0250	1	09/12/22	09/13/22	
<i>Surrogate: Bromofluorobenzene</i>		100 %	70-130	09/12/22	09/13/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.2 %	70-130	09/12/22	09/13/22	
<i>Surrogate: Toluene-d8</i>		98.0 %	70-130	09/12/22	09/13/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2238006
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/12/22	09/13/22	
<i>Surrogate: Bromofluorobenzene</i>		100 %	70-130	09/12/22	09/13/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.2 %	70-130	09/12/22	09/13/22	
<i>Surrogate: Toluene-d8</i>		98.0 %	70-130	09/12/22	09/13/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2238012
Diesel Range Organics (C10-C28)	ND	25.0	1	09/12/22	09/14/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/12/22	09/14/22	
<i>Surrogate: n-Nonane</i>		94.8 %	50-200	09/12/22	09/14/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2238025
Chloride	ND	20.0	1	09/13/22	09/14/22	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #014 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 9/15/2022 4:34:03PM
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CONF19 - 2'

E209040-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY		Batch: 2238006
Benzene	ND	0.0250	1	09/12/22	09/13/22	
Ethylbenzene	ND	0.0250	1	09/12/22	09/13/22	
Toluene	ND	0.0250	1	09/12/22	09/13/22	
o-Xylene	ND	0.0250	1	09/12/22	09/13/22	
p,m-Xylene	ND	0.0500	1	09/12/22	09/13/22	
Total Xylenes	ND	0.0250	1	09/12/22	09/13/22	
<i>Surrogate: Bromofluorobenzene</i>		98.4 %	70-130	09/12/22	09/13/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.1 %	70-130	09/12/22	09/13/22	
<i>Surrogate: Toluene-d8</i>		95.7 %	70-130	09/12/22	09/13/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2238006
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/12/22	09/13/22	
<i>Surrogate: Bromofluorobenzene</i>		98.4 %	70-130	09/12/22	09/13/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.1 %	70-130	09/12/22	09/13/22	
<i>Surrogate: Toluene-d8</i>		95.7 %	70-130	09/12/22	09/13/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2238012
Diesel Range Organics (C10-C28)	ND	25.0	1	09/12/22	09/14/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/12/22	09/14/22	
<i>Surrogate: n-Nonane</i>		93.8 %	50-200	09/12/22	09/14/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2238025
Chloride	ND	20.0	1	09/13/22	09/14/22	



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Ross Draw Unit #014	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	9/15/2022 4:34:03PM

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 (2238006-BLK1)

Prepared: 09/12/22 Analyzed: 09/12/22

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: Bromofluorobenzene	0.499		0.500		99.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.461		0.500		92.1	70-130			
Surrogate: Toluene-d8	0.489		0.500		97.8	70-130			

LCS (2238006-BS1)

Prepared: 09/12/22 Analyzed: 09/12/22

Benzene	2.14	0.0250	2.50		85.7	70-130			
Ethylbenzene	2.23	0.0250	2.50		89.0	70-130			
Toluene	2.07	0.0250	2.50		82.7	70-130			
o-Xylene	2.27	0.0250	2.50		90.8	70-130			
p,m-Xylene	4.45	0.0500	5.00		89.1	70-130			
Total Xylenes	6.72	0.0250	7.50		89.7	70-130			
Surrogate: Bromofluorobenzene	0.520		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.449		0.500		89.8	70-130			
Surrogate: Toluene-d8	0.488		0.500		97.6	70-130			

Matrix Spike (2238006-MS1)

Source: E209040-04

Prepared: 09/12/22 Analyzed: 09/12/22

Benzene	2.24	0.0250	2.50	ND	89.7	48-131			
Ethylbenzene	2.34	0.0250	2.50	ND	93.6	45-135			
Toluene	2.16	0.0250	2.50	ND	86.6	48-130			
o-Xylene	2.38	0.0250	2.50	ND	95.2	43-135			
p,m-Xylene	4.68	0.0500	5.00	ND	93.6	43-135			
Total Xylenes	7.06	0.0250	7.50	ND	94.1	43-135			
Surrogate: Bromofluorobenzene	0.526		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.451		0.500		90.1	70-130			
Surrogate: Toluene-d8	0.489		0.500		97.8	70-130			

Matrix Spike Dup (2238006-MSD1)

Source: E209040-04

Prepared: 09/12/22 Analyzed: 09/12/22

Benzene	2.13	0.0250	2.50	ND	85.4	48-131	4.98	23	
Ethylbenzene	2.25	0.0250	2.50	ND	89.9	45-135	4.05	27	
Toluene	2.09	0.0250	2.50	ND	83.4	48-130	3.72	24	
o-Xylene	2.30	0.0250	2.50	ND	91.8	43-135	3.61	27	
p,m-Xylene	4.48	0.0500	5.00	ND	89.6	43-135	4.34	27	
Total Xylenes	6.78	0.0250	7.50	ND	90.3	43-135	4.09	27	
Surrogate: Bromofluorobenzene	0.534		0.500		107	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.464		0.500		92.8	70-130			
Surrogate: Toluene-d8	0.498		0.500		99.6	70-130			



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #014 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 9/15/2022 4:34:03PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec % %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2238006-BLK1)

Prepared: 09/12/22 Analyzed: 09/12/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.499		0.500		99.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.461		0.500		92.1	70-130			
Surrogate: Toluene-d8	0.489		0.500		97.8	70-130			

LCS (2238006-BS2)

Prepared: 09/12/22 Analyzed: 09/12/22

Gasoline Range Organics (C6-C10)	43.6	20.0	50.0		87.3	70-130			
Surrogate: Bromofluorobenzene	0.507		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.453		0.500		90.5	70-130			
Surrogate: Toluene-d8	0.502		0.500		100	70-130			

Matrix Spike (2238006-MS2)

Source: E209040-04

Prepared: 09/12/22 Analyzed: 09/12/22

Gasoline Range Organics (C6-C10)	45.3	20.0	50.0	ND	90.6	70-130			
Surrogate: Bromofluorobenzene	0.518		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.456		0.500		91.2	70-130			
Surrogate: Toluene-d8	0.492		0.500		98.3	70-130			

Matrix Spike Dup (2238006-MSD2)

Source: E209040-04

Prepared: 09/12/22 Analyzed: 09/12/22

Gasoline Range Organics (C6-C10)	44.4	20.0	50.0	ND	88.7	70-130	2.04	20	
Surrogate: Bromofluorobenzene	0.515		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.453		0.500		90.6	70-130			
Surrogate: Toluene-d8	0.490		0.500		97.9	70-130			



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #014 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 9/15/2022 4:34:03PM
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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 (2238012-BLK1)

Prepared: 09/12/22 Analyzed: 09/13/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	49.5		50.0		99.0	50-200			

LCS (2238012-BS1)

Prepared: 09/12/22 Analyzed: 09/13/22

Diesel Range Organics (C10-C28)	226	25.0	250		90.2	38-132			
Surrogate: <i>n</i> -Nonane	45.0		50.0		90.1	50-200			

Matrix Spike (2238012-MS1)

Source: E209042-04

Prepared: 09/12/22 Analyzed: 09/13/22

Diesel Range Organics (C10-C28)	237	25.0	250	ND	94.7	38-132			
Surrogate: <i>n</i> -Nonane	44.1		50.0		88.2	50-200			

Matrix Spike Dup (2238012-MSD1)

Source: E209042-04

Prepared: 09/12/22 Analyzed: 09/15/22

Diesel Range Organics (C10-C28)	275	25.0	250	ND	110	38-132	15.1	20	
Surrogate: <i>n</i> -Nonane	52.0		50.0		104	50-200			



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #014 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 9/15/2022 4:34:03PM
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Anions by EPA 300.0/9056A

Analyst: KL

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 (2238025-BLK1)

Prepared: 09/13/22 Analyzed: 09/14/22

Chloride	ND	20.0							
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LCS (2238025-BS1)

Prepared: 09/13/22 Analyzed: 09/14/22

Chloride	257	20.0	250		103	90-110			
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Matrix Spike (2238025-MS1)

Source: E209040-01

Prepared: 09/13/22 Analyzed: 09/14/22

Chloride	275	20.0	250	ND	110	80-120			
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Matrix Spike Dup (2238025-MSD1)

Source: E209040-01

Prepared: 09/13/22 Analyzed: 09/14/22

Chloride	275	20.0	250	ND	110	80-120	0.281	20	
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QC Summary Report Comment:

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



Definitions and Notes

Devon Energy - Carlsbad	Project Name:	Ross Draw Unit #014	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	09/15/22 16:34

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: 1/3/2023 4:16:51 PM

Received by OCD: 10/14/2022 8:11:24 AM

Client: Devon
 Project: Ross Draw Unit #014
 Project Manager: Ashley Giovengo
 Address: 1224 Standpipe Rd
 City, State, Zip: Carlsbad, NM 88220
 Phone: 505-382-1211
 Email: ashley.giovengo@wescominc.com

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				TAT				EPA Program	
Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA		
<u>E209040</u>	<u>01058-0007</u>				<u>x</u>				

Analysis and Method										State					
DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM	BGDOC TX		NM	CO	UT	AZ	TX
								<u>x</u>			<u>x</u>				

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
11:23	9/7/22	Soil	1 Jar	CONF01 - 2'	<u>1</u>							<u>x</u>		
11:21	9/7/22	Soil	1 Jar	CONF02 - 5'	<u>2</u>							<u>x</u>		
11:26	9/7/22	Soil	1 Jar	CONF03 - 5'	<u>3</u>							<u>x</u>		
11:57	9/7/22	Soil	1 Jar	CONF04 - 4'	<u>4</u>							<u>x</u>		
11:57	9/7/22	Soil	1 Jar	CONF05 - 4'	<u>5</u>							<u>x</u>		
12:00	9/7/22	Soil	1 Jar	CONF06 - 3'	<u>6</u>							<u>x</u>		
13:55	9/7/22	Soil	1 Jar	CONF07 - 6'	<u>7</u>							<u>x</u>		
13:55	9/7/22	Soil	1 Jar	CONF08 - 5.5'	<u>8</u>							<u>x</u>		
14:20	9/7/22	Soil	1 Jar	CONF12 - 2.5'	<u>9</u>							<u>x</u>		
14:46	9/7/22	Soil	1 Jar	CONF15 - 3'	<u>10</u>							<u>x</u>		

Additional Instructions: Kept on ice, Please CC: cole.burton@wescominc.com, shar.harvester@wescominc.com, jim.raley@dvn.com, ashley.giovengo@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 Received on ice: <input checked="" type="checkbox"/> / <input type="checkbox"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
<u>[Signature]</u>	<u>09/08/22</u>	<u>12:06pm</u>	<u>[Signature]</u>	<u>9-8-22</u>	<u>12:04</u>	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
<u>[Signature]</u>	<u>9-9-22</u>	<u>18:40</u>	<u>[Signature]</u>	<u>9/12/22</u>	<u>8:36</u>	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	

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

Note: Samples are discarded 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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Released to Imaging: 1/3/2023 4:16:51 PM

Received by OCD: 10/14/2022 8:11:24 AM

Client: <u>Devon</u> Project: <u>Ross Draw Unit #014</u> Project Manager: <u>Ashley Giovengo</u> Address: <u>1224 Standpipe Rd</u> City, State, Zip: <u>Carlsbad, NM 88220</u> Phone: <u>505-382-1211</u> Email: <u>ashley.giovengo@wescominc.com</u> Report due by:	Bill To Attention: <u>Jim Raley</u> Address: <u>5315 Buena Vista Dr</u> City, State, Zip: <u>Calsbad, NM 88220</u> Phone: <u>575-689-7597</u> Email: <u>jim.raley@dvn.com</u>	Lab Use Only Lab WO# <u>E209040</u> Job Number <u>01058-0007</u>	TAT 1D <input type="checkbox"/> 2D <input type="checkbox"/> 3D <input type="checkbox"/>	EPA Program CWA <input type="checkbox"/> SDWA <input type="checkbox"/> RCRA <input type="checkbox"/>	
		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	Standard <u>x</u> State NM <input type="checkbox"/> CO <input type="checkbox"/> UT <input type="checkbox"/> AZ <input type="checkbox"/> TX <input type="checkbox"/>	

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
11:23	9/7/22	Soil	1 Jar	CONF16 - 3'	11							x		
11:21	9/7/22	Soil	1 Jar	CONF17 - 2'	12							x		
11:26	9/7/22	Soil	1 Jar	CONF18 - 2'	13							x		
11:57	9/7/22	Soil	1 Jar	CONF19 - 2'	14							x		

Additional Instructions: Kept on ice, Please CC: cole.burton@wescominc.com, shar.harvester@wescominc.com, jim.raley@dvn.com, ashley.giovengo@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.						Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.					
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>					
<i>Ashley Giovengo</i>	09/08/22	12:06 pm	<i>Jim Raley</i>	9-8-22	12:06						
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time						
<i>[Signature]</i>	9-9-22	18:40	<i>Carth Clinton</i>	9/12/22	8:36						
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.



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Envirotech Analytical Laboratory

Printed: 9/13/2022 11:35:13AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Devon Energy - Carlsbad	Date Received:	09/12/22 08:36	Work Order ID:	E209040
Phone:	(505) 382-1211	Date Logged In:	09/12/22 09:17	Logged In By:	Caitlin Christian
Email:	ashley.giovengo@wescominc.com	Due Date:	09/15/22 17:00 (3 day TAT)		

Chain of Custody (COC)

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

Carrier: Courier

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

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name: Ross Draw Unit #014

Work Order: E209051

Job Number: 01058-0007

Received: 9/13/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/19/22

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.
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Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.
Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 9/19/22



Ashley Giovengo
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Ross Draw Unit #014
Workorder: E209051
Date Received: 9/13/2022 10:25:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/13/2022 10:25:00AM, under the Project Name: Ross Draw Unit #014.

The analytical test results summarized in this report with the Project Name: Ross Draw Unit #014 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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Sample Summary

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #014 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 09/19/22 16:06
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CONF20 - 2'	E209051-01A	Soil	09/09/22	09/13/22	Glass Jar, 4 oz.
CONF21 - 7'	E209051-02A	Soil	09/09/22	09/13/22	Glass Jar, 4 oz.
CONF22 - 7'	E209051-03A	Soil	09/09/22	09/13/22	Glass Jar, 4 oz.
CONF23 - 3'	E209051-04A	Soil	09/09/22	09/13/22	Glass Jar, 4 oz.
CONF24 - 3'	E209051-05A	Soil	09/09/22	09/13/22	Glass Jar, 4 oz.
CONF25 - 2.5'	E209051-06A	Soil	09/09/22	09/13/22	Glass Jar, 4 oz.
CONF26 - 1.5'	E209051-07A	Soil	09/09/22	09/13/22	Glass Jar, 4 oz.
BG01 - 1'	E209051-08A	Soil	09/08/22	09/13/22	Glass Jar, 4 oz.



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #014 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 9/19/2022 4:06:43PM
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CONF20 - 2'

E209051-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS		Batch: 2238034
Benzene	ND	0.0250	1	09/14/22	09/14/22
Ethylbenzene	ND	0.0250	1	09/14/22	09/14/22
Toluene	ND	0.0250	1	09/14/22	09/14/22
o-Xylene	ND	0.0250	1	09/14/22	09/14/22
p,m-Xylene	ND	0.0500	1	09/14/22	09/14/22
Total Xylenes	ND	0.0250	1	09/14/22	09/14/22

<i>Surrogate: Bromofluorobenzene</i>	96.8 %	70-130		09/14/22	09/14/22
<i>Surrogate: 1,2-Dichloroethane-d4</i>	90.2 %	70-130		09/14/22	09/14/22
<i>Surrogate: Toluene-d8</i>	97.3 %	70-130		09/14/22	09/14/22

Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2238034
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/14/22	09/14/22
<i>Surrogate: Bromofluorobenzene</i>	96.8 %	70-130		09/14/22	09/14/22
<i>Surrogate: 1,2-Dichloroethane-d4</i>	90.2 %	70-130		09/14/22	09/14/22
<i>Surrogate: Toluene-d8</i>	97.3 %	70-130		09/14/22	09/14/22

Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2238022
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/22	09/14/22
Oil Range Organics (C28-C36)	ND	50.0	1	09/14/22	09/14/22
<i>Surrogate: n-Nonane</i>	86.4 %	50-200		09/14/22	09/14/22

Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL		Batch: 2238040
Chloride	ND	20.0	1	09/14/22	09/14/22



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #014 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 9/19/2022 4:06:43PM
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CONF21 - 7'

E209051-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS		Batch: 2238034
Benzene	ND	0.0250	1	09/14/22	09/14/22	
Ethylbenzene	ND	0.0250	1	09/14/22	09/14/22	
Toluene	ND	0.0250	1	09/14/22	09/14/22	
o-Xylene	ND	0.0250	1	09/14/22	09/14/22	
p,m-Xylene	ND	0.0500	1	09/14/22	09/14/22	
Total Xylenes	ND	0.0250	1	09/14/22	09/14/22	
<i>Surrogate: Bromofluorobenzene</i>		96.9 %	70-130	09/14/22	09/14/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		89.0 %	70-130	09/14/22	09/14/22	
<i>Surrogate: Toluene-d8</i>		95.2 %	70-130	09/14/22	09/14/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2238034
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/14/22	09/14/22	
<i>Surrogate: Bromofluorobenzene</i>		96.9 %	70-130	09/14/22	09/14/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		89.0 %	70-130	09/14/22	09/14/22	
<i>Surrogate: Toluene-d8</i>		95.2 %	70-130	09/14/22	09/14/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2238022
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/22	09/14/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/14/22	09/14/22	
<i>Surrogate: n-Nonane</i>		81.0 %	50-200	09/14/22	09/14/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2238040
Chloride	ND	20.0	1	09/14/22	09/14/22	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #014 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 9/19/2022 4:06:43PM
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CONF22 - 7'

E209051-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS		Batch: 2238034
Benzene	ND	0.0250	1	09/14/22	09/14/22	
Ethylbenzene	ND	0.0250	1	09/14/22	09/14/22	
Toluene	ND	0.0250	1	09/14/22	09/14/22	
o-Xylene	ND	0.0250	1	09/14/22	09/14/22	
p,m-Xylene	ND	0.0500	1	09/14/22	09/14/22	
Total Xylenes	ND	0.0250	1	09/14/22	09/14/22	
<i>Surrogate: Bromofluorobenzene</i>		99.3 %	70-130	09/14/22	09/14/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		90.6 %	70-130	09/14/22	09/14/22	
<i>Surrogate: Toluene-d8</i>		96.6 %	70-130	09/14/22	09/14/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2238034
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/14/22	09/14/22	
<i>Surrogate: Bromofluorobenzene</i>		99.3 %	70-130	09/14/22	09/14/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		90.6 %	70-130	09/14/22	09/14/22	
<i>Surrogate: Toluene-d8</i>		96.6 %	70-130	09/14/22	09/14/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2238022
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/22	09/14/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/14/22	09/14/22	
<i>Surrogate: n-Nonane</i>		82.3 %	50-200	09/14/22	09/14/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2238040
Chloride	ND	20.0	1	09/14/22	09/14/22	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #014 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 9/19/2022 4:06:43PM
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CONF23 - 3'
E209051-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS		Batch: 2238034
Benzene	ND	0.0250	1	09/14/22	09/14/22	
Ethylbenzene	ND	0.0250	1	09/14/22	09/14/22	
Toluene	ND	0.0250	1	09/14/22	09/14/22	
o-Xylene	ND	0.0250	1	09/14/22	09/14/22	
p,m-Xylene	ND	0.0500	1	09/14/22	09/14/22	
Total Xylenes	ND	0.0250	1	09/14/22	09/14/22	
<i>Surrogate: Bromofluorobenzene</i>		94.9 %	70-130	09/14/22	09/14/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		90.2 %	70-130	09/14/22	09/14/22	
<i>Surrogate: Toluene-d8</i>		96.0 %	70-130	09/14/22	09/14/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2238034
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/14/22	09/14/22	
<i>Surrogate: Bromofluorobenzene</i>		94.9 %	70-130	09/14/22	09/14/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		90.2 %	70-130	09/14/22	09/14/22	
<i>Surrogate: Toluene-d8</i>		96.0 %	70-130	09/14/22	09/14/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2238022
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/22	09/14/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/14/22	09/14/22	
<i>Surrogate: n-Nonane</i>		86.1 %	50-200	09/14/22	09/14/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2238040
Chloride	ND	20.0	1	09/14/22	09/14/22	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #014 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 9/19/2022 4:06:43PM
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CONF24 - 3'
E209051-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS		Batch: 2238034
Benzene	ND	0.0250	1	09/14/22	09/14/22	
Ethylbenzene	ND	0.0250	1	09/14/22	09/14/22	
Toluene	ND	0.0250	1	09/14/22	09/14/22	
o-Xylene	ND	0.0250	1	09/14/22	09/14/22	
p,m-Xylene	ND	0.0500	1	09/14/22	09/14/22	
Total Xylenes	ND	0.0250	1	09/14/22	09/14/22	
<i>Surrogate: Bromofluorobenzene</i>		98.7 %	70-130	09/14/22	09/14/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		91.3 %	70-130	09/14/22	09/14/22	
<i>Surrogate: Toluene-d8</i>		96.8 %	70-130	09/14/22	09/14/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2238034
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/14/22	09/14/22	
<i>Surrogate: Bromofluorobenzene</i>		98.7 %	70-130	09/14/22	09/14/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		91.3 %	70-130	09/14/22	09/14/22	
<i>Surrogate: Toluene-d8</i>		96.8 %	70-130	09/14/22	09/14/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2238022
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/22	09/14/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/14/22	09/14/22	
<i>Surrogate: n-Nonane</i>		85.9 %	50-200	09/14/22	09/14/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2238040
Chloride	ND	20.0	1	09/14/22	09/14/22	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #014 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 9/19/2022 4:06:43PM
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CONF25 - 2.5'

E209051-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS		Batch: 2238034
Benzene	ND	0.0250	1	09/14/22	09/14/22	
Ethylbenzene	ND	0.0250	1	09/14/22	09/14/22	
Toluene	ND	0.0250	1	09/14/22	09/14/22	
o-Xylene	ND	0.0250	1	09/14/22	09/14/22	
p,m-Xylene	ND	0.0500	1	09/14/22	09/14/22	
Total Xylenes	ND	0.0250	1	09/14/22	09/14/22	
<i>Surrogate: Bromofluorobenzene</i>		96.0 %	70-130	09/14/22	09/14/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		88.7 %	70-130	09/14/22	09/14/22	
<i>Surrogate: Toluene-d8</i>		96.4 %	70-130	09/14/22	09/14/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2238034
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/14/22	09/14/22	
<i>Surrogate: Bromofluorobenzene</i>		96.0 %	70-130	09/14/22	09/14/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		88.7 %	70-130	09/14/22	09/14/22	
<i>Surrogate: Toluene-d8</i>		96.4 %	70-130	09/14/22	09/14/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2238022
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/22	09/14/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/14/22	09/14/22	
<i>Surrogate: n-Nonane</i>		86.5 %	50-200	09/14/22	09/14/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2238040
Chloride	ND	20.0	1	09/14/22	09/14/22	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #014 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 9/19/2022 4:06:43PM
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CONF26 - 1.5'

E209051-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS		Batch: 2238034
Benzene	ND	0.0250	1	09/14/22	09/14/22	
Ethylbenzene	ND	0.0250	1	09/14/22	09/14/22	
Toluene	ND	0.0250	1	09/14/22	09/14/22	
o-Xylene	ND	0.0250	1	09/14/22	09/14/22	
p,m-Xylene	ND	0.0500	1	09/14/22	09/14/22	
Total Xylenes	ND	0.0250	1	09/14/22	09/14/22	
<i>Surrogate: Bromofluorobenzene</i>		99.2 %	70-130	09/14/22	09/14/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		90.6 %	70-130	09/14/22	09/14/22	
<i>Surrogate: Toluene-d8</i>		94.8 %	70-130	09/14/22	09/14/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2238034
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/14/22	09/14/22	
<i>Surrogate: Bromofluorobenzene</i>		99.2 %	70-130	09/14/22	09/14/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		90.6 %	70-130	09/14/22	09/14/22	
<i>Surrogate: Toluene-d8</i>		94.8 %	70-130	09/14/22	09/14/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2238022
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/22	09/14/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/14/22	09/14/22	
<i>Surrogate: n-Nonane</i>		81.5 %	50-200	09/14/22	09/14/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2238040
Chloride	ND	20.0	1	09/14/22	09/14/22	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #014 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 9/19/2022 4:06:43PM
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BG01 - 1'

E209051-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS		Batch: 2238034
Benzene	ND	0.0250	1	09/14/22	09/14/22	
Ethylbenzene	ND	0.0250	1	09/14/22	09/14/22	
Toluene	ND	0.0250	1	09/14/22	09/14/22	
o-Xylene	ND	0.0250	1	09/14/22	09/14/22	
p,m-Xylene	ND	0.0500	1	09/14/22	09/14/22	
Total Xylenes	ND	0.0250	1	09/14/22	09/14/22	
<i>Surrogate: Bromofluorobenzene</i>		98.1 %	70-130	09/14/22	09/14/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.0 %	70-130	09/14/22	09/14/22	
<i>Surrogate: Toluene-d8</i>		96.0 %	70-130	09/14/22	09/14/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2238034
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/14/22	09/14/22	
<i>Surrogate: Bromofluorobenzene</i>		98.1 %	70-130	09/14/22	09/14/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.0 %	70-130	09/14/22	09/14/22	
<i>Surrogate: Toluene-d8</i>		96.0 %	70-130	09/14/22	09/14/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2238022
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/22	09/14/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/14/22	09/14/22	
<i>Surrogate: n-Nonane</i>		87.9 %	50-200	09/14/22	09/14/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2238040
Chloride	ND	20.0	1	09/14/22	09/14/22	



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Ross Draw Unit #014	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	9/19/2022 4:06:43PM

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 (2238034-BLK1)

Prepared: 09/13/22 Analyzed: 09/14/22

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: Bromofluorobenzene	0.505		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.464		0.500		92.8	70-130			
Surrogate: Toluene-d8	0.487		0.500		97.4	70-130			

LCS (2238034-BS1)

Prepared: 09/13/22 Analyzed: 09/14/22

Benzene	2.08	0.0250	2.50		83.3	70-130			
Ethylbenzene	2.11	0.0250	2.50		84.6	70-130			
Toluene	1.97	0.0250	2.50		79.0	70-130			
o-Xylene	2.16	0.0250	2.50		86.3	70-130			
p,m-Xylene	4.20	0.0500	5.00		84.1	70-130			
Total Xylenes	6.36	0.0250	7.50		84.8	70-130			
Surrogate: Bromofluorobenzene	0.521		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.464		0.500		92.8	70-130			
Surrogate: Toluene-d8	0.484		0.500		96.7	70-130			

Matrix Spike (2238034-MS1)

Source: E209051-05

Prepared: 09/13/22 Analyzed: 09/14/22

Benzene	2.07	0.0250	2.50	ND	82.8	48-131			
Ethylbenzene	2.15	0.0250	2.50	ND	86.0	45-135			
Toluene	1.99	0.0250	2.50	ND	79.8	48-130			
o-Xylene	2.23	0.0250	2.50	ND	89.1	43-135			
p,m-Xylene	4.31	0.0500	5.00	ND	86.2	43-135			
Total Xylenes	6.53	0.0250	7.50	ND	87.1	43-135			
Surrogate: Bromofluorobenzene	0.527		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.458		0.500		91.5	70-130			
Surrogate: Toluene-d8	0.484		0.500		96.8	70-130			

Matrix Spike Dup (2238034-MSD1)

Source: E209051-05

Prepared: 09/13/22 Analyzed: 09/14/22

Benzene	2.17	0.0250	2.50	ND	86.6	48-131	4.56	23	
Ethylbenzene	2.26	0.0250	2.50	ND	90.4	45-135	4.97	27	
Toluene	2.10	0.0250	2.50	ND	84.2	48-130	5.37	24	
o-Xylene	2.31	0.0250	2.50	ND	92.4	43-135	3.64	27	
p,m-Xylene	4.49	0.0500	5.00	ND	89.8	43-135	4.17	27	
Total Xylenes	6.80	0.0250	7.50	ND	90.7	43-135	3.99	27	
Surrogate: Bromofluorobenzene	0.511		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.449		0.500		89.7	70-130			
Surrogate: Toluene-d8	0.486		0.500		97.2	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Ross Draw Unit #014	Reported: 9/19/2022 4:06:43PM
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	

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 (2238034-BLK1)

Prepared: 09/13/22 Analyzed: 09/14/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.505		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.464		0.500		92.8	70-130			
Surrogate: Toluene-d8	0.487		0.500		97.4	70-130			

LCS (2238034-BS2)

Prepared: 09/13/22 Analyzed: 09/14/22

Gasoline Range Organics (C6-C10)	40.2	20.0	50.0		80.5	70-130			
Surrogate: Bromofluorobenzene	0.506		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.468		0.500		93.5	70-130			
Surrogate: Toluene-d8	0.487		0.500		97.4	70-130			

Matrix Spike (2238034-MS2)

Source: E209051-05

Prepared: 09/13/22 Analyzed: 09/14/22

Gasoline Range Organics (C6-C10)	40.4	20.0	50.0	ND	80.8	70-130			
Surrogate: Bromofluorobenzene	0.519		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.445		0.500		89.0	70-130			
Surrogate: Toluene-d8	0.491		0.500		98.1	70-130			

Matrix Spike Dup (2238034-MSD2)

Source: E209051-05

Prepared: 09/13/22 Analyzed: 09/14/22

Gasoline Range Organics (C6-C10)	40.5	20.0	50.0	ND	81.0	70-130	0.300	20	
Surrogate: Bromofluorobenzene	0.517		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.445		0.500		89.0	70-130			
Surrogate: Toluene-d8	0.483		0.500		96.6	70-130			



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #014 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 9/19/2022 4:06:43PM
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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 (2238022-BLK1)

Prepared: 09/14/22 Analyzed: 09/14/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	40.7		50.0		81.3	50-200			

LCS (2238022-BS1)

Prepared: 09/14/22 Analyzed: 09/14/22

Diesel Range Organics (C10-C28)	223	25.0	250		89.2	38-132			
Surrogate: n-Nonane	43.4		50.0		86.9	50-200			

Matrix Spike (2238022-MS1)

Source: E209051-03

Prepared: 09/14/22 Analyzed: 09/14/22

Diesel Range Organics (C10-C28)	237	25.0	250	ND	95.0	38-132			
Surrogate: n-Nonane	38.7		50.0		77.4	50-200			

Matrix Spike Dup (2238022-MSD1)

Source: E209051-03

Prepared: 09/14/22 Analyzed: 09/14/22

Diesel Range Organics (C10-C28)	234	25.0	250	ND	93.5	38-132	1.59	20	
Surrogate: n-Nonane	40.7		50.0		81.3	50-200			



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #014 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 9/19/2022 4:06:43PM
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Anions by EPA 300.0/9056A

Analyst: KL

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 (2238040-BLK1)

Prepared: 09/14/22 Analyzed: 09/14/22

Chloride	ND	20.0							
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LCS (2238040-BS1)

Prepared: 09/14/22 Analyzed: 09/14/22

Chloride	251	20.0	250		100	90-110			
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Matrix Spike (2238040-MS1)

Source: E209047-01

Prepared: 09/14/22 Analyzed: 09/14/22

Chloride	251	20.0	250	ND	101	80-120			
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Matrix Spike Dup (2238040-MSD1)

Source: E209047-01

Prepared: 09/14/22 Analyzed: 09/14/22

Chloride	254	20.0	250	ND	101	80-120	0.966	20	
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QC Summary Report Comment:

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



Definitions and Notes

Devon Energy - Carlsbad	Project Name:	Ross Draw Unit #014	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	09/19/22 16:06

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.



Client: Devon
 Project: Ross Draw Unit #014
 Project Manager: Ashley Giovenco
 Address: 1224 Standpipe Rd
 City, State, Zip: Carlsbad NM 88220
 Phone: 505 382 1211
 Email: ashley.giovenco@wescominc.com
 Report due by:

Bill To
 Attention: Jim Raley
 Address: 5315 Buena Vista Dr
 City, State, Zip: Carlsbad NM 88220
 Phone: 575 684 7597
 Email: jim.raley@dmh.com

Lab Use Only		TAT				EPA Program	
Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA
<u>E209051</u>	<u>01058-0007</u>				<u>X</u>		
Analysis and Method							

State				
NM	CO	UT	AZ	TX
<u>X</u>				

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BDOC NM	BDOC TX	Remarks
10:28	9/9/22	Soil	1 Jar	CONF20 - 2'	1							X		
10:27	9/9	Soil	1 Jar	CONF21 - 7'	2							X		
10:31	9/9	Soil	1 Jar	CONF22 - 7'	3							X		
10:38	9/9	Soil	1 Jar	CONF23 - 3'	4							X		
10:40	9/9	Soil	1 Jar	CONF24 - 3'	5							X		
10:43	9/9	Soil	1 Jar	CONF25 - 2.5'	6							X		
10:52	9/9	Soil	1 Jar	CONF26 - 1.5'	7							X		
9:54	9/8	Soil	1 Jar	BG01 - 1'	8							X		

Additional Instructions: Please CC: cole.burton@wescominc.com shar.harvester@wescominc.com
Kept on ice jim.raley@dmh.com ashley.giovenco@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>9-12-22</u>	<u>3:11</u>	<u>[Signature]</u>	<u>9-12-22</u>	<u>3:49</u>	Received on ice: <u>(Y) / N</u>
<u>[Signature]</u>	<u>9/12/22</u>	<u>4:15</u>	<u>[Signature]</u>	<u>9/13/22</u>	<u>10:25</u>	T1 _____ T2 _____ T3 _____
<u>[Signature]</u>			<u>[Signature]</u>			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: 9/13/2022 10:58:35AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Devon Energy - Carlsbad	Date Received:	09/13/22 10:25	Work Order ID:	E209051
Phone:	(505) 382-1211	Date Logged In:	09/13/22 08:33	Logged In By:	Caitlin Christian
Email:	ashley.giovengo@wescominc.com	Due Date:	09/19/22 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

Carrier: UPS

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

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name: Ross Draw Unit #014

Work Order: E209063

Job Number: 01058-0007

Received: 9/14/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/20/22

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: 9/20/22



Ashley Giovengo
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Ross Draw Unit #014
Workorder: E209063
Date Received: 9/14/2022 11:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/14/2022 11:00:00AM, under the Project Name: Ross Draw Unit #014.

The analytical test results summarized in this report with the Project Name: Ross Draw Unit #014 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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Rayny Hagan
Technical Representative
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Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #014 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 09/20/22 14:20
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CONF27-4'	E209063-01A	Soil	09/12/22	09/14/22	Glass Jar, 4 oz.
CONF28-4.5'	E209063-02A	Soil	09/12/22	09/14/22	Glass Jar, 4 oz.
CONF29-4.5'	E209063-03A	Soil	09/12/22	09/14/22	Glass Jar, 4 oz.
CONF30-4.5'	E209063-04A	Soil	09/12/22	09/14/22	Glass Jar, 4 oz.
CONF31-8'	E209063-05A	Soil	09/12/22	09/14/22	Glass Jar, 4 oz.



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #014 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 9/20/2022 2:20:18PM
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CONF27-4'

E209063-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2238068
Benzene	ND	0.0250	1	09/15/22	09/17/22	
Ethylbenzene	ND	0.0250	1	09/15/22	09/17/22	
Toluene	ND	0.0250	1	09/15/22	09/17/22	
o-Xylene	ND	0.0250	1	09/15/22	09/17/22	
p,m-Xylene	ND	0.0500	1	09/15/22	09/17/22	
Total Xylenes	ND	0.0250	1	09/15/22	09/17/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	09/15/22	09/17/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2238068
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/22	09/17/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		81.4 %	70-130	09/15/22	09/17/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2238082
Diesel Range Organics (C10-C28)	ND	25.0	1	09/19/22	09/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/19/22	09/19/22	
<i>Surrogate: n-Nonane</i>						
		78.8 %	50-200	09/19/22	09/19/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2239002
Chloride	194	40.0	2	09/18/22	09/20/22	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #014 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 9/20/2022 2:20:18PM
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CONF28-4.5'

E209063-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2238068
Benzene	ND	0.0250	1	09/15/22	09/17/22	
Ethylbenzene	ND	0.0250	1	09/15/22	09/17/22	
Toluene	ND	0.0250	1	09/15/22	09/17/22	
o-Xylene	ND	0.0250	1	09/15/22	09/17/22	
p,m-Xylene	ND	0.0500	1	09/15/22	09/17/22	
Total Xylenes	ND	0.0250	1	09/15/22	09/17/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	09/15/22	09/17/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2238068
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/22	09/17/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		82.2 %	70-130	09/15/22	09/17/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2238082
Diesel Range Organics (C10-C28)	ND	25.0	1	09/19/22	09/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/19/22	09/19/22	
<i>Surrogate: n-Nonane</i>		80.1 %	50-200	09/19/22	09/19/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2239002
Chloride	48.7	20.0	1	09/18/22	09/20/22	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #014 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 9/20/2022 2:20:18PM
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CONF29-4.5'

E209063-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2238068
Benzene	ND	0.0250	1	09/15/22	09/17/22	
Ethylbenzene	ND	0.0250	1	09/15/22	09/17/22	
Toluene	ND	0.0250	1	09/15/22	09/17/22	
o-Xylene	ND	0.0250	1	09/15/22	09/17/22	
p,m-Xylene	ND	0.0500	1	09/15/22	09/17/22	
Total Xylenes	ND	0.0250	1	09/15/22	09/17/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	09/15/22	09/17/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2238068
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/22	09/17/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		79.5 %	70-130	09/15/22	09/17/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2238082
Diesel Range Organics (C10-C28)	ND	25.0	1	09/19/22	09/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/19/22	09/20/22	
<i>Surrogate: n-Nonane</i>		78.4 %	50-200	09/19/22	09/20/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2239002
Chloride	ND	200	10	09/18/22	09/20/22	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #014 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 9/20/2022 2:20:18PM
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CONF30-4.5'

E209063-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2238068
Benzene	ND	0.0250	1	09/15/22	09/17/22	
Ethylbenzene	ND	0.0250	1	09/15/22	09/17/22	
Toluene	ND	0.0250	1	09/15/22	09/17/22	
o-Xylene	ND	0.0250	1	09/15/22	09/17/22	
p,m-Xylene	ND	0.0500	1	09/15/22	09/17/22	
Total Xylenes	ND	0.0250	1	09/15/22	09/17/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	09/15/22	09/17/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2238068
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/22	09/17/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		79.9 %	70-130	09/15/22	09/17/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2238082
Diesel Range Organics (C10-C28)	ND	25.0	1	09/19/22	09/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/19/22	09/20/22	
<i>Surrogate: n-Nonane</i>		79.8 %	50-200	09/19/22	09/20/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2239002
Chloride	88.6	20.0	1	09/18/22	09/20/22	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #014 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 9/20/2022 2:20:18PM
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CONF31-8'
E209063-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2238068
Benzene	ND	0.0250	1	09/15/22	09/17/22	
Ethylbenzene	ND	0.0250	1	09/15/22	09/17/22	
Toluene	ND	0.0250	1	09/15/22	09/17/22	
o-Xylene	ND	0.0250	1	09/15/22	09/17/22	
p,m-Xylene	ND	0.0500	1	09/15/22	09/17/22	
Total Xylenes	ND	0.0250	1	09/15/22	09/17/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	70-130	09/15/22	09/17/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2238068
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/22	09/17/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		80.9 %	70-130	09/15/22	09/17/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2238082
Diesel Range Organics (C10-C28)	ND	25.0	1	09/19/22	09/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/19/22	09/20/22	
<i>Surrogate: n-Nonane</i>		80.1 %	50-200	09/19/22	09/20/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2239002
Chloride	ND	40.0	2	09/18/22	09/20/22	



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #014 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 9/20/2022 2:20:18PM
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Volatile Organics by EPA 8021B

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 (2238068-BLK1)

Prepared: 09/15/22 Analyzed: 09/17/22

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	8.06		8.00		101	70-130			

LCS (2238068-BS1)

Prepared: 09/15/22 Analyzed: 09/17/22

Benzene	5.24	0.0250	5.00		105	70-130			
Ethylbenzene	4.39	0.0250	5.00		87.8	70-130			
Toluene	4.63	0.0250	5.00		92.7	70-130			
o-Xylene	4.47	0.0250	5.00		89.4	70-130			
p,m-Xylene	8.88	0.0500	10.0		88.8	70-130			
Total Xylenes	13.3	0.0250	15.0		89.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.12		8.00		102	70-130			

LCS Dup (2238068-BSD1)

Prepared: 09/15/22 Analyzed: 09/17/22

Benzene	5.27	0.0250	5.00		105	70-130	0.629	20	
Ethylbenzene	4.41	0.0250	5.00		88.2	70-130	0.375	20	
Toluene	4.67	0.0250	5.00		93.3	70-130	0.712	20	
o-Xylene	4.50	0.0250	5.00		89.9	70-130	0.567	20	
p,m-Xylene	8.91	0.0500	10.0		89.1	70-130	0.337	20	
Total Xylenes	13.4	0.0250	15.0		89.4	70-130	0.414	20	
Surrogate: 4-Bromochlorobenzene-PID	8.09		8.00		101	70-130			



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #014 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 9/20/2022 2:20:18PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2238068-BLK1)

Prepared: 09/15/22 Analyzed: 09/17/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.48		8.00		81.0	70-130			

LCS (2238068-BS2)

Prepared: 09/15/22 Analyzed: 09/17/22

Gasoline Range Organics (C6-C10)	48.8	20.0	50.0		97.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.67		8.00		83.4	70-130			

LCS Dup (2238068-BSD2)

Prepared: 09/15/22 Analyzed: 09/17/22

Gasoline Range Organics (C6-C10)	50.0	20.0	50.0		100	70-130	2.53	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.62		8.00		82.7	70-130			



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #014 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 9/20/2022 2:20:18PM
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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 (2238082-BLK1)

Prepared: 09/19/22 Analyzed: 09/19/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n-Nonane</i>	38.0		50.0		76.0	50-200			

LCS (2238082-BS1)

Prepared: 09/19/22 Analyzed: 09/19/22

Diesel Range Organics (C10-C28)	236	25.0	250		94.3	38-132			
Surrogate: <i>n-Nonane</i>	39.9		50.0		79.8	50-200			

Matrix Spike (2238082-MS1)

Source: E209063-03

Prepared: 09/19/22 Analyzed: 09/19/22

Diesel Range Organics (C10-C28)	233	25.0	250	ND	93.0	38-132			
Surrogate: <i>n-Nonane</i>	41.6		50.0		83.3	50-200			

Matrix Spike Dup (2238082-MSD1)

Source: E209063-03

Prepared: 09/19/22 Analyzed: 09/19/22

Diesel Range Organics (C10-C28)	239	25.0	250	ND	95.7	38-132	2.82	20	
Surrogate: <i>n-Nonane</i>	38.9		50.0		77.8	50-200			



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #014 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 9/20/2022 2:20:18PM
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Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2239002-BLK1)

Prepared: 09/18/22 Analyzed: 09/19/22

Chloride ND 20.0

LCS (2239002-BS1)

Prepared: 09/18/22 Analyzed: 09/20/22

Chloride 250 20.0 250 100 90-110

Matrix Spike (2239002-MS1)

Source: E209063-01

Prepared: 09/18/22 Analyzed: 09/20/22

Chloride 401 40.0 250 194 82.8 80-120

Matrix Spike Dup (2239002-MSD1)

Source: E209063-01

Prepared: 09/18/22 Analyzed: 09/20/22

Chloride 451 40.0 250 194 103 80-120 11.9 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 #014	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	09/20/22 14:20

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: 7/3/2023 4:16:51 PM

Received by OCD: 10/14/2022 8:11:24 AM

Client: Devon
 Project: Ross Draw Unit #014
 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		TAT			EPA Program		
Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA
<u>E200003</u>	<u>01058-007</u>				<u>x</u>		
Analysis and Method							RCRA

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
11:22	9/12/22	Soil	1 Jar	CONF27 - 4'	<u>1</u>							<u>x</u>		
13:05	9/12/22	Soil	1 Jar	CONF28 - 4.5'	<u>2</u>							<u>x</u>		
13:07	9/12/22	Soil	1 Jar	CONF29 - 4.5'	<u>3</u>							<u>x</u>		
13:33	9/12/22	Soil	1 Jar	CONF30 - 4.5'	<u>4</u>							<u>x</u>		
16:23	9/12/22	Soil	1 Jar	CONF31 - 8'	<u>5</u>							<u>x</u>		

Additional Instructions: Kept on ice, Please CC: cole.burton@wescominc.com, shar.harvester@wescominc.com, jim.raley@dvn.com, ashley.giovengo@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 9-13-22 Time 11:40a Received by: (Signature) [Signature] Date 9-14-22 Time 11:00

Relinquished by: (Signature) [Signature] Date 9-13-22 Time 4:15 Received by: (Signature) [Signature] Date 9/14/22 Time 11:00

Relinquished by: (Signature) _____ Date _____ Time _____ Received by: (Signature) _____ Date _____ Time _____

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

Received on ice: Y 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.



Envirotech Analytical Laboratory

Printed: 9/14/2022 1:15:10PM

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:	09/14/22 11:00	Work Order ID:	E209063
Phone:	(505) 382-1211	Date Logged In:	09/14/22 12:22	Logged In By:	Alexa Michaels
Email:	ashley.giovengo@wescominc.com	Due Date:	09/20/22 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

Carrier: UPS

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

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

- 7. Was a sample cooler received? Yes
- 8. If yes, was cooler received in good condition? Yes
- 9. Was the sample(s) received intact, i.e., not broken? 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 #014

Work Order: E209068

Job Number: 01058-0007

Received: 9/15/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/21/22

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: 9/21/22



Ashley Giovengo
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Ross Draw Unit #014
Workorder: E209068
Date Received: 9/15/2022 10:40:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/15/2022 10:40:00AM, under the Project Name: Ross Draw Unit #014.

The analytical test results summarized in this report with the Project Name: Ross Draw Unit #014 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

Field Offices:

Southern New Mexico Area
Lynn Jarboe
Technical Representative/Client Services
Office: 505-421-LABS(5227)
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 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #014 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 09/21/22 17:43
---	---	------------------------------------

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CONF32 - 2.5'	E209068-01A	Soil	09/13/22	09/15/22	Glass Jar, 8 oz.
CONF33 - 2.5'	E209068-02A	Soil	09/13/22	09/15/22	Glass Jar, 8 oz.
CONF34 - 3'	E209068-03A	Soil	09/13/22	09/15/22	Glass Jar, 8 oz.
CONF35 - 4'	E209068-04A	Soil	09/13/22	09/15/22	Glass Jar, 8 oz.
CONF37 - 1.5'	E209068-05A	Soil	09/13/22	09/15/22	Glass Jar, 8 oz.
CONF38 - 2'	E209068-06A	Soil	09/13/22	09/15/22	Glass Jar, 8 oz.
CONF42 - 3'	E209068-07A	Soil	09/13/22	09/15/22	Glass Jar, 8 oz.
CONF43 - 3'	E209068-08A	Soil	09/13/22	09/15/22	Glass Jar, 8 oz.
CONF44 - 2.5'	E209068-09A	Soil	09/13/22	09/15/22	Glass Jar, 8 oz.
CONF45 - 2.5'	E209068-10A	Soil	09/13/22	09/15/22	Glass Jar, 8 oz.



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #014 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 9/21/2022 5:43:32PM
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CONF32 - 2.5'

E209068-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS		Batch: 2238056
Benzene	ND	0.0250	1	09/15/22	09/16/22	
Ethylbenzene	ND	0.0250	1	09/15/22	09/16/22	
Toluene	ND	0.0250	1	09/15/22	09/16/22	
o-Xylene	ND	0.0250	1	09/15/22	09/16/22	
p,m-Xylene	ND	0.0500	1	09/15/22	09/16/22	
Total Xylenes	ND	0.0250	1	09/15/22	09/16/22	
Surrogate: Bromofluorobenzene	98.4 %	70-130		09/15/22	09/16/22	
Surrogate: 1,2-Dichloroethane-d4	94.3 %	70-130		09/15/22	09/16/22	
Surrogate: Toluene-d8	95.3 %	70-130		09/15/22	09/16/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2238056
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/22	09/16/22	
Surrogate: Bromofluorobenzene	98.4 %	70-130		09/15/22	09/16/22	
Surrogate: 1,2-Dichloroethane-d4	94.3 %	70-130		09/15/22	09/16/22	
Surrogate: Toluene-d8	95.3 %	70-130		09/15/22	09/16/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2238061
Diesel Range Organics (C10-C28)	ND	25.0	1	09/19/22	09/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/19/22	09/20/22	
Surrogate: n-Nonane	89.8 %	50-200		09/19/22	09/20/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2239002
Chloride	341	20.0	1	09/18/22	09/20/22	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #014 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 9/21/2022 5:43:32PM
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CONF33 - 2.5'

E209068-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS		Batch: 2238056
Benzene	ND	0.0250	1	09/15/22	09/16/22	
Ethylbenzene	ND	0.0250	1	09/15/22	09/16/22	
Toluene	ND	0.0250	1	09/15/22	09/16/22	
o-Xylene	ND	0.0250	1	09/15/22	09/16/22	
p,m-Xylene	ND	0.0500	1	09/15/22	09/16/22	
Total Xylenes	ND	0.0250	1	09/15/22	09/16/22	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	09/15/22	09/16/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		91.7 %	70-130	09/15/22	09/16/22	
<i>Surrogate: Toluene-d8</i>		95.1 %	70-130	09/15/22	09/16/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2238056
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/22	09/16/22	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	09/15/22	09/16/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		91.7 %	70-130	09/15/22	09/16/22	
<i>Surrogate: Toluene-d8</i>		95.1 %	70-130	09/15/22	09/16/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2238061
Diesel Range Organics (C10-C28)	ND	25.0	1	09/19/22	09/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/19/22	09/20/22	
<i>Surrogate: n-Nonane</i>		93.9 %	50-200	09/19/22	09/20/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2239002
Chloride	542	20.0	1	09/18/22	09/20/22	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #014 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 9/21/2022 5:43:32PM
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CONF34 - 3'
E209068-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS		Batch: 2238056
Benzene	ND	0.0250	1	09/15/22	09/16/22	
Ethylbenzene	ND	0.0250	1	09/15/22	09/16/22	
Toluene	ND	0.0250	1	09/15/22	09/16/22	
o-Xylene	ND	0.0250	1	09/15/22	09/16/22	
p,m-Xylene	ND	0.0500	1	09/15/22	09/16/22	
Total Xylenes	ND	0.0250	1	09/15/22	09/16/22	
<i>Surrogate: Bromofluorobenzene</i>		99.1 %	70-130	09/15/22	09/16/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.8 %	70-130	09/15/22	09/16/22	
<i>Surrogate: Toluene-d8</i>		95.4 %	70-130	09/15/22	09/16/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2238056
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/22	09/16/22	
<i>Surrogate: Bromofluorobenzene</i>		99.1 %	70-130	09/15/22	09/16/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.8 %	70-130	09/15/22	09/16/22	
<i>Surrogate: Toluene-d8</i>		95.4 %	70-130	09/15/22	09/16/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2238061
Diesel Range Organics (C10-C28)	ND	25.0	1	09/19/22	09/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/19/22	09/20/22	
<i>Surrogate: n-Nonane</i>		97.5 %	50-200	09/19/22	09/20/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2239002
Chloride	29.4	20.0	1	09/18/22	09/20/22	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #014 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 9/21/2022 5:43:32PM
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CONF35 - 4'
E209068-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS		Batch: 2238056
Benzene	ND	0.0250	1	09/15/22	09/16/22	
Ethylbenzene	ND	0.0250	1	09/15/22	09/16/22	
Toluene	ND	0.0250	1	09/15/22	09/16/22	
o-Xylene	ND	0.0250	1	09/15/22	09/16/22	
p,m-Xylene	ND	0.0500	1	09/15/22	09/16/22	
Total Xylenes	ND	0.0250	1	09/15/22	09/16/22	
<i>Surrogate: Bromofluorobenzene</i>		98.1 %	70-130	09/15/22	09/16/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.3 %	70-130	09/15/22	09/16/22	
<i>Surrogate: Toluene-d8</i>		93.8 %	70-130	09/15/22	09/16/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2238056
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/22	09/16/22	
<i>Surrogate: Bromofluorobenzene</i>		98.1 %	70-130	09/15/22	09/16/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.3 %	70-130	09/15/22	09/16/22	
<i>Surrogate: Toluene-d8</i>		93.8 %	70-130	09/15/22	09/16/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2238061
Diesel Range Organics (C10-C28)	ND	25.0	1	09/19/22	09/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/19/22	09/20/22	
<i>Surrogate: n-Nonane</i>		102 %	50-200	09/19/22	09/20/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2239002
Chloride	ND	20.0	1	09/18/22	09/20/22	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #014 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 9/21/2022 5:43:32PM
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CONF37 - 1.5'

E209068-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS		Batch: 2238056
Benzene	ND	0.0250	1	09/15/22	09/16/22	
Ethylbenzene	ND	0.0250	1	09/15/22	09/16/22	
Toluene	ND	0.0250	1	09/15/22	09/16/22	
o-Xylene	ND	0.0250	1	09/15/22	09/16/22	
p,m-Xylene	ND	0.0500	1	09/15/22	09/16/22	
Total Xylenes	ND	0.0250	1	09/15/22	09/16/22	
<i>Surrogate: Bromofluorobenzene</i>		97.7 %	70-130	09/15/22	09/16/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.8 %	70-130	09/15/22	09/16/22	
<i>Surrogate: Toluene-d8</i>		95.4 %	70-130	09/15/22	09/16/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2238056
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/22	09/16/22	
<i>Surrogate: Bromofluorobenzene</i>		97.7 %	70-130	09/15/22	09/16/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.8 %	70-130	09/15/22	09/16/22	
<i>Surrogate: Toluene-d8</i>		95.4 %	70-130	09/15/22	09/16/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2238061
Diesel Range Organics (C10-C28)	ND	25.0	1	09/19/22	09/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/19/22	09/20/22	
<i>Surrogate: n-Nonane</i>		82.8 %	50-200	09/19/22	09/20/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2239002
Chloride	154	20.0	1	09/18/22	09/20/22	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #014 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 9/21/2022 5:43:32PM
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CONF38 - 2'

E209068-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS		Batch: 2238056
Benzene	ND	0.0250	1	09/15/22	09/16/22	
Ethylbenzene	ND	0.0250	1	09/15/22	09/16/22	
Toluene	ND	0.0250	1	09/15/22	09/16/22	
o-Xylene	ND	0.0250	1	09/15/22	09/16/22	
p,m-Xylene	ND	0.0500	1	09/15/22	09/16/22	
Total Xylenes	ND	0.0250	1	09/15/22	09/16/22	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	09/15/22	09/16/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.1 %	70-130	09/15/22	09/16/22	
<i>Surrogate: Toluene-d8</i>		96.4 %	70-130	09/15/22	09/16/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2238056
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/22	09/16/22	
<i>Surrogate: Bromofluorobenzene</i>		101 %	70-130	09/15/22	09/16/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.1 %	70-130	09/15/22	09/16/22	
<i>Surrogate: Toluene-d8</i>		96.4 %	70-130	09/15/22	09/16/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2238061
Diesel Range Organics (C10-C28)	ND	25.0	1	09/19/22	09/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/19/22	09/20/22	
<i>Surrogate: n-Nonane</i>		81.1 %	50-200	09/19/22	09/20/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2239002
Chloride	350	20.0	1	09/18/22	09/20/22	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #014 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 9/21/2022 5:43:32PM
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CONF42 - 3'
E209068-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS		Batch: 2238056
Benzene	ND	0.0250	1	09/15/22	09/16/22	
Ethylbenzene	ND	0.0250	1	09/15/22	09/16/22	
Toluene	ND	0.0250	1	09/15/22	09/16/22	
o-Xylene	ND	0.0250	1	09/15/22	09/16/22	
p,m-Xylene	ND	0.0500	1	09/15/22	09/16/22	
Total Xylenes	ND	0.0250	1	09/15/22	09/16/22	
<i>Surrogate: Bromofluorobenzene</i>		99.1 %	70-130	09/15/22	09/16/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		93.1 %	70-130	09/15/22	09/16/22	
<i>Surrogate: Toluene-d8</i>		94.1 %	70-130	09/15/22	09/16/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2238056
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/22	09/16/22	
<i>Surrogate: Bromofluorobenzene</i>		99.1 %	70-130	09/15/22	09/16/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		93.1 %	70-130	09/15/22	09/16/22	
<i>Surrogate: Toluene-d8</i>		94.1 %	70-130	09/15/22	09/16/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2238061
Diesel Range Organics (C10-C28)	ND	25.0	1	09/19/22	09/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/19/22	09/20/22	
<i>Surrogate: n-Nonane</i>		84.9 %	50-200	09/19/22	09/20/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2239002
Chloride	22.6	20.0	1	09/18/22	09/20/22	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #014 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 9/21/2022 5:43:32PM
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CONF43 - 3'

E209068-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS		Batch: 2238056
Benzene	ND	0.0250	1	09/15/22	09/16/22	
Ethylbenzene	ND	0.0250	1	09/15/22	09/16/22	
Toluene	ND	0.0250	1	09/15/22	09/16/22	
o-Xylene	ND	0.0250	1	09/15/22	09/16/22	
p,m-Xylene	ND	0.0500	1	09/15/22	09/16/22	
Total Xylenes	ND	0.0250	1	09/15/22	09/16/22	
<i>Surrogate: Bromofluorobenzene</i>		99.6 %	70-130	09/15/22	09/16/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		91.4 %	70-130	09/15/22	09/16/22	
<i>Surrogate: Toluene-d8</i>		95.3 %	70-130	09/15/22	09/16/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2238056
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/22	09/16/22	
<i>Surrogate: Bromofluorobenzene</i>		99.6 %	70-130	09/15/22	09/16/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		91.4 %	70-130	09/15/22	09/16/22	
<i>Surrogate: Toluene-d8</i>		95.3 %	70-130	09/15/22	09/16/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2238061
Diesel Range Organics (C10-C28)	ND	25.0	1	09/19/22	09/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/19/22	09/20/22	
<i>Surrogate: n-Nonane</i>		84.8 %	50-200	09/19/22	09/20/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2239002
Chloride	ND	20.0	1	09/18/22	09/20/22	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #014 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 9/21/2022 5:43:32PM
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CONF44 - 2.5'

E209068-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS		Batch: 2238056
Benzene	ND	0.0250	1	09/15/22	09/21/22	
Ethylbenzene	ND	0.0250	1	09/15/22	09/21/22	
Toluene	ND	0.0250	1	09/15/22	09/21/22	
o-Xylene	ND	0.0250	1	09/15/22	09/21/22	
p,m-Xylene	ND	0.0500	1	09/15/22	09/21/22	
Total Xylenes	ND	0.0250	1	09/15/22	09/21/22	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	09/15/22	09/21/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		88.9 %	70-130	09/15/22	09/21/22	
<i>Surrogate: Toluene-d8</i>		99.2 %	70-130	09/15/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2238056
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/22	09/21/22	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	09/15/22	09/21/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		88.9 %	70-130	09/15/22	09/21/22	
<i>Surrogate: Toluene-d8</i>		99.2 %	70-130	09/15/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2238061
Diesel Range Organics (C10-C28)	ND	25.0	1	09/19/22	09/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/19/22	09/20/22	
<i>Surrogate: n-Nonane</i>		83.6 %	50-200	09/19/22	09/20/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2239002
Chloride	ND	20.0	1	09/18/22	09/20/22	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #014 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 9/21/2022 5:43:32PM
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CONF45 - 2.5'

E209068-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS		Batch: 2238056
Benzene	ND	0.0250	1	09/15/22	09/16/22	
Ethylbenzene	ND	0.0250	1	09/15/22	09/16/22	
Toluene	ND	0.0250	1	09/15/22	09/16/22	
o-Xylene	ND	0.0250	1	09/15/22	09/16/22	
p,m-Xylene	ND	0.0500	1	09/15/22	09/16/22	
Total Xylenes	ND	0.0250	1	09/15/22	09/16/22	
<i>Surrogate: Bromofluorobenzene</i>		97.5 %	70-130	09/15/22	09/16/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.7 %	70-130	09/15/22	09/16/22	
<i>Surrogate: Toluene-d8</i>		95.6 %	70-130	09/15/22	09/16/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2238056
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/22	09/16/22	
<i>Surrogate: Bromofluorobenzene</i>		97.5 %	70-130	09/15/22	09/16/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.7 %	70-130	09/15/22	09/16/22	
<i>Surrogate: Toluene-d8</i>		95.6 %	70-130	09/15/22	09/16/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2238061
Diesel Range Organics (C10-C28)	ND	25.0	1	09/19/22	09/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/19/22	09/20/22	
<i>Surrogate: n-Nonane</i>		80.5 %	50-200	09/19/22	09/20/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2239002
Chloride	ND	20.0	1	09/18/22	09/20/22	



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Ross Draw Unit #014	Reported: 9/21/2022 5:43:32PM
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	

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 (2238056-BLK1)

Prepared: 09/15/22 Analyzed: 09/16/22

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: Bromofluorobenzene	0.497		0.500		99.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.476		0.500		95.2	70-130			
Surrogate: Toluene-d8	0.483		0.500		96.6	70-130			

LCS (2238056-BS1)

Prepared: 09/15/22 Analyzed: 09/16/22

Benzene	2.18	0.0250	2.50		87.2	70-130			
Ethylbenzene	2.16	0.0250	2.50		86.3	70-130			
Toluene	2.03	0.0250	2.50		81.1	70-130			
o-Xylene	2.22	0.0250	2.50		88.8	70-130			
p,m-Xylene	4.32	0.0500	5.00		86.3	70-130			
Total Xylenes	6.54	0.0250	7.50		87.2	70-130			
Surrogate: Bromofluorobenzene	0.523		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.464		0.500		92.7	70-130			
Surrogate: Toluene-d8	0.480		0.500		95.9	70-130			

Matrix Spike (2238056-MS1)

Source: E209068-04

Prepared: 09/15/22 Analyzed: 09/16/22

Benzene	2.21	0.0250	2.50	ND	88.2	48-131			
Ethylbenzene	2.21	0.0250	2.50	ND	88.5	45-135			
Toluene	2.08	0.0250	2.50	ND	83.0	48-130			
o-Xylene	2.29	0.0250	2.50	ND	91.5	43-135			
p,m-Xylene	4.42	0.0500	5.00	ND	88.3	43-135			
Total Xylenes	6.70	0.0250	7.50	ND	89.4	43-135			
Surrogate: Bromofluorobenzene	0.531		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.459		0.500		91.7	70-130			
Surrogate: Toluene-d8	0.481		0.500		96.1	70-130			

Matrix Spike Dup (2238056-MSD1)

Source: E209068-04

Prepared: 09/15/22 Analyzed: 09/16/22

Benzene	2.23	0.0250	2.50	ND	89.3	48-131	1.15	23	
Ethylbenzene	2.24	0.0250	2.50	ND	89.5	45-135	1.12	27	
Toluene	2.10	0.0250	2.50	ND	83.9	48-130	1.10	24	
o-Xylene	2.31	0.0250	2.50	ND	92.5	43-135	1.07	27	
p,m-Xylene	4.45	0.0500	5.00	ND	89.1	43-135	0.857	27	
Total Xylenes	6.77	0.0250	7.50	ND	90.2	43-135	0.928	27	
Surrogate: Bromofluorobenzene	0.529		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.458		0.500		91.6	70-130			
Surrogate: Toluene-d8	0.483		0.500		96.6	70-130			



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #014 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 9/21/2022 5:43:32PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec % %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2238056-BLK1)

Prepared: 09/15/22 Analyzed: 09/16/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.497		0.500		99.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.476		0.500		95.2	70-130			
Surrogate: Toluene-d8	0.483		0.500		96.6	70-130			

LCS (2238056-BS2)

Prepared: 09/15/22 Analyzed: 09/16/22

Gasoline Range Organics (C6-C10)	39.7	20.0	50.0		79.4	70-130			
Surrogate: Bromofluorobenzene	0.508		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.461		0.500		92.1	70-130			
Surrogate: Toluene-d8	0.484		0.500		96.7	70-130			

Matrix Spike (2238056-MS2)

Source: E209068-04

Prepared: 09/15/22 Analyzed: 09/16/22

Gasoline Range Organics (C6-C10)	40.2	20.0	50.0	ND	80.4	70-130			
Surrogate: Bromofluorobenzene	0.517		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.475		0.500		95.0	70-130			
Surrogate: Toluene-d8	0.487		0.500		97.4	70-130			

Matrix Spike Dup (2238056-MSD2)

Source: E209068-04

Prepared: 09/15/22 Analyzed: 09/16/22

Gasoline Range Organics (C6-C10)	39.5	20.0	50.0	ND	78.9	70-130	1.82	20	
Surrogate: Bromofluorobenzene	0.509		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.446		0.500		89.1	70-130			
Surrogate: Toluene-d8	0.479		0.500		95.7	70-130			



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #014 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 9/21/2022 5:43:32PM
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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 (2238061-BLK1)

Prepared: 09/19/22 Analyzed: 09/20/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	46.4		50.0		92.8	50-200			

LCS (2238061-BS1)

Prepared: 09/19/22 Analyzed: 09/20/22

Diesel Range Organics (C10-C28)	263	25.0	250		105	38-132			
Surrogate: n-Nonane	59.5		50.0		119	50-200			

Matrix Spike (2238061-MS1)

Source: E209068-02

Prepared: 09/19/22 Analyzed: 09/20/22

Diesel Range Organics (C10-C28)	255	25.0	250	ND	102	38-132			
Surrogate: n-Nonane	47.8		50.0		95.6	50-200			

Matrix Spike Dup (2238061-MSD1)

Source: E209068-02

Prepared: 09/19/22 Analyzed: 09/20/22

Diesel Range Organics (C10-C28)	254	25.0	250	ND	102	38-132	0.290	20	
Surrogate: n-Nonane	47.7		50.0		95.3	50-200			



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #014 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 9/21/2022 5:43:32PM
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Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2239002-BLK1)

Prepared: 09/18/22 Analyzed: 09/19/22

Chloride ND 20.0

LCS (2239002-BS1)

Prepared: 09/18/22 Analyzed: 09/20/22

Chloride 250 20.0 250 100 90-110

Matrix Spike (2239002-MS1)

Source: E209063-01

Prepared: 09/18/22 Analyzed: 09/20/22

Chloride 401 40.0 250 194 82.8 80-120

Matrix Spike Dup (2239002-MSD1)

Source: E209063-01

Prepared: 09/18/22 Analyzed: 09/20/22

Chloride 451 40.0 250 194 103 80-120 11.9 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 #014	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	09/21/22 17:43

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: 1/3/2023 4:16:31 PM

Received by OCD: 10/14/2022 8:11:24 AM

Client: Devon Project: Ross Draw Unit #014 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		TAT			EPA Program			
				Lab WO# E209068	Job Number 61058-0007	1D	2D	3D	Standard	CWA	SDWA	
Analysis and Method							RCRA		State			
							NM	CO	UT	AZ	TX	
							Remarks					

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
15:14	9/13/22	Soil	1 Jar	CONF32 - 2.5'	1							X		
13:09	9/13/22	Soil	1 Jar	CONF33 - 2.5'	2							X		
13:13	9/13/22	Soil	1 Jar	CONF34 - 3'	3							X		
13:16	9/13/22	Soil	1 Jar	CONF35 - 4'	4							X		
14:00	9/13/22	Soil	1 Jar	CONF37 - 1.5'	5							X		
14:03	9/13/22	Soil	1 Jar	CONF38 - 2'	6							X		
14:56	9/13/22	Soil	1 Jar	CONF42 - 3'	7							X		
15:00	9/13/22	Soil	1 Jar	CONF43 - 3'	8							X		
15:03	9/13/22	Soil	1 Jar	CONF44 - 2.5'	9							X		
15:08	9/13/22	Soil	1 Jar	CONF45 - 2.5'	10							X		

Additional Instructions: Kept on ice, Please CC: cole.burton@wescominc.com, shar.harvester@wescominc.com, jim.raley@dvn.com, ashley.giovengo@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: 09/14/22 Time: 11:21am
 Received by: (Signature) *[Signature]* Date: 9-14-22 Time: 11:30am

Relinquished by: (Signature) *[Signature]* Date: _____ Time: _____
 Received by: (Signature) *[Signature]* Date: 9/15/22 Time: 10:40am

Relinquished by: (Signature) _____ Date: _____ Time: _____
 Received by: (Signature) _____ Date: _____ Time: _____

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 5 °C on subsequent days.

Received on ice: Y / 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: 9/15/2022 10:58:57AM

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:	09/15/22 10:40	Work Order ID:	E209068
Phone:	(505) 382-1211	Date Logged In:	09/15/22 08:43	Logged In By:	Caitlin Christian
Email:	ashley.giovengo@wescominc.com	Due Date:	09/21/22 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

Carrier: UPS

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

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name: Ross Draw Unit #014

Work Order: E209079

Job Number: 01058-0007

Received: 9/16/2022

Revision: 3

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/26/22

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: 9/26/22



Ashley Giovengo
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Ross Draw Unit #014
Workorder: E209079
Date Received: 9/16/2022 10:41:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/16/2022 10:41:00AM, under the Project Name: Ross Draw Unit #014.

The analytical test results summarized in this report with the Project Name: Ross Draw Unit #014 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
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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
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Ross Draw Unit #014
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
09/26/22 13:11

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CONF36 - 5'	E209079-01A	Soil	09/14/22	09/16/22	Glass Jar, 4 oz.
CONF39 - 4'	E209079-02A	Soil	09/14/22	09/16/22	Glass Jar, 4 oz.
CONF40 - 5'	E209079-03A	Soil	09/14/22	09/16/22	Glass Jar, 4 oz.
CONF41 - 4'	E209079-04A	Soil	09/14/22	09/16/22	Glass Jar, 4 oz.
CONF09 - 12'	E209079-05A	Soil	09/14/22	09/16/22	Glass Jar, 4 oz.
CONF10 - 12'	E209079-06A	Soil	09/14/22	09/16/22	Glass Jar, 4 oz.
CONF13 - 5.5'	E209079-07A	Soil	09/14/22	09/16/22	Glass Jar, 4 oz.
CONF11 - 5'	E209079-08A	Soil	09/14/22	09/16/22	Glass Jar, 4 oz.
CONF14 - 5'	E209079-09A	Soil	09/14/22	09/16/22	Glass Jar, 4 oz.
CONF46Wall - 1'	E209079-10A	Soil	09/14/22	09/16/22	Glass Jar, 4 oz.
CONF47Wall - 1'	E209079-11A	Soil	09/14/22	09/16/22	Glass Jar, 4 oz.
CONF48Wall - 1'	E209079-12A	Soil	09/14/22	09/16/22	Glass Jar, 4 oz.
CONF49Wall - 1'	E209079-13A	Soil	09/14/22	09/16/22	Glass Jar, 4 oz.



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #014 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 9/26/2022 1:11:10PM
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CONF36 - 5'

E209079-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS		Batch: 2239014
Benzene	ND	0.0250	1	09/19/22	09/21/22	
Ethylbenzene	ND	0.0250	1	09/19/22	09/21/22	
Toluene	ND	0.0250	1	09/19/22	09/21/22	
o-Xylene	ND	0.0250	1	09/19/22	09/21/22	
p,m-Xylene	ND	0.0500	1	09/19/22	09/21/22	
Total Xylenes	ND	0.0250	1	09/19/22	09/21/22	
<i>Surrogate: Bromofluorobenzene</i>	97.6 %	70-130		09/19/22	09/21/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	94.4 %	70-130		09/19/22	09/21/22	
<i>Surrogate: Toluene-d8</i>	105 %	70-130		09/19/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2239014
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/19/22	09/21/22	
<i>Surrogate: Bromofluorobenzene</i>	97.6 %	70-130		09/19/22	09/21/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	94.4 %	70-130		09/19/22	09/21/22	
<i>Surrogate: Toluene-d8</i>	105 %	70-130		09/19/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2239076
Diesel Range Organics (C10-C28)	ND	25.0	1	09/21/22	09/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/21/22	09/22/22	
<i>Surrogate: n-Nonane</i>	85.2 %	50-200		09/21/22	09/22/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2239046
Chloride	5700	40.0	2	09/20/22	09/20/22	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #014 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 9/26/2022 1:11:10PM
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CONF39 - 4'

E209079-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS		Batch: 2239014
Benzene	ND	0.0250	1	09/19/22	09/21/22	
Ethylbenzene	ND	0.0250	1	09/19/22	09/21/22	
Toluene	ND	0.0250	1	09/19/22	09/21/22	
o-Xylene	ND	0.0250	1	09/19/22	09/21/22	
p,m-Xylene	ND	0.0500	1	09/19/22	09/21/22	
Total Xylenes	ND	0.0250	1	09/19/22	09/21/22	
<i>Surrogate: Bromofluorobenzene</i>		96.1 %	70-130	09/19/22	09/21/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.8 %	70-130	09/19/22	09/21/22	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	09/19/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2239014
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/19/22	09/21/22	
<i>Surrogate: Bromofluorobenzene</i>		96.1 %	70-130	09/19/22	09/21/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.8 %	70-130	09/19/22	09/21/22	
<i>Surrogate: Toluene-d8</i>		103 %	70-130	09/19/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2239076
Diesel Range Organics (C10-C28)	ND	25.0	1	09/21/22	09/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/21/22	09/22/22	
<i>Surrogate: n-Nonane</i>		85.2 %	50-200	09/21/22	09/22/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2239046
Chloride	4590	40.0	2	09/20/22	09/21/22	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #014 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 9/26/2022 1:11:10PM
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CONF40 - 5'
E209079-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS		Batch: 2239014
Benzene	ND	0.0250	1	09/19/22	09/21/22	
Ethylbenzene	ND	0.0250	1	09/19/22	09/21/22	
Toluene	ND	0.0250	1	09/19/22	09/21/22	
o-Xylene	ND	0.0250	1	09/19/22	09/21/22	
p,m-Xylene	ND	0.0500	1	09/19/22	09/21/22	
Total Xylenes	ND	0.0250	1	09/19/22	09/21/22	
<i>Surrogate: Bromofluorobenzene</i>		97.4 %	70-130	09/19/22	09/21/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		92.8 %	70-130	09/19/22	09/21/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	09/19/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2239014
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/19/22	09/21/22	
<i>Surrogate: Bromofluorobenzene</i>		97.4 %	70-130	09/19/22	09/21/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		92.8 %	70-130	09/19/22	09/21/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	09/19/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2239076
Diesel Range Organics (C10-C28)	ND	25.0	1	09/21/22	09/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/21/22	09/22/22	
<i>Surrogate: n-Nonane</i>		90.9 %	50-200	09/21/22	09/22/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2239046
Chloride	1730	40.0	2	09/20/22	09/21/22	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #014 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 9/26/2022 1:11:10PM
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CONF41 - 4'
E209079-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS		Batch: 2239014
Benzene	ND	0.0250	1	09/19/22	09/21/22	
Ethylbenzene	ND	0.0250	1	09/19/22	09/21/22	
Toluene	ND	0.0250	1	09/19/22	09/21/22	
o-Xylene	ND	0.0250	1	09/19/22	09/21/22	
p,m-Xylene	ND	0.0500	1	09/19/22	09/21/22	
Total Xylenes	ND	0.0250	1	09/19/22	09/21/22	
<i>Surrogate: Bromofluorobenzene</i>		94.6 %	70-130	09/19/22	09/21/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.3 %	70-130	09/19/22	09/21/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	09/19/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2239014
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/19/22	09/21/22	
<i>Surrogate: Bromofluorobenzene</i>		94.6 %	70-130	09/19/22	09/21/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.3 %	70-130	09/19/22	09/21/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	09/19/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2239076
Diesel Range Organics (C10-C28)	ND	25.0	1	09/21/22	09/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/21/22	09/22/22	
<i>Surrogate: n-Nonane</i>		90.3 %	50-200	09/21/22	09/22/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2239046
Chloride	2350	40.0	2	09/20/22	09/21/22	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #014 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 9/26/2022 1:11:10PM
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CONF09 - 12'

E209079-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS		Batch: 2239014
Benzene	ND	0.0250	1	09/19/22	09/21/22	
Ethylbenzene	ND	0.0250	1	09/19/22	09/21/22	
Toluene	ND	0.0250	1	09/19/22	09/21/22	
o-Xylene	ND	0.0250	1	09/19/22	09/21/22	
p,m-Xylene	ND	0.0500	1	09/19/22	09/21/22	
Total Xylenes	ND	0.0250	1	09/19/22	09/21/22	
<i>Surrogate: Bromofluorobenzene</i>		96.1 %	70-130	09/19/22	09/21/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.8 %	70-130	09/19/22	09/21/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	09/19/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2239014
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/19/22	09/21/22	
<i>Surrogate: Bromofluorobenzene</i>		96.1 %	70-130	09/19/22	09/21/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.8 %	70-130	09/19/22	09/21/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	09/19/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2239076
Diesel Range Organics (C10-C28)	ND	25.0	1	09/21/22	09/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/21/22	09/22/22	
<i>Surrogate: n-Nonane</i>		92.0 %	50-200	09/21/22	09/22/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2239046
Chloride	477	40.0	2	09/20/22	09/21/22	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #014 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 9/26/2022 1:11:10PM
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CONF10 - 12'

E209079-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2239014
Benzene	ND	0.0250	1	09/19/22	09/22/22	
Ethylbenzene	ND	0.0250	1	09/19/22	09/22/22	
Toluene	ND	0.0250	1	09/19/22	09/22/22	
o-Xylene	ND	0.0250	1	09/19/22	09/22/22	
p,m-Xylene	ND	0.0500	1	09/19/22	09/22/22	
Total Xylenes	ND	0.0250	1	09/19/22	09/22/22	
<i>Surrogate: Bromofluorobenzene</i>		93.8 %	70-130	09/19/22	09/22/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		92.7 %	70-130	09/19/22	09/22/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	09/19/22	09/22/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2239014
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/19/22	09/22/22	
<i>Surrogate: Bromofluorobenzene</i>		93.8 %	70-130	09/19/22	09/22/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		92.7 %	70-130	09/19/22	09/22/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	09/19/22	09/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2239076
Diesel Range Organics (C10-C28)	ND	25.0	1	09/21/22	09/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/21/22	09/22/22	
<i>Surrogate: n-Nonane</i>		89.9 %	50-200	09/21/22	09/22/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2239046
Chloride	539	40.0	2	09/20/22	09/21/22	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #014 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 9/26/2022 1:11:10PM
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CONF13 - 5.5'

E209079-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS		Batch: 2239014
Benzene	ND	0.0250	1	09/19/22	09/22/22	
Ethylbenzene	ND	0.0250	1	09/19/22	09/22/22	
Toluene	ND	0.0250	1	09/19/22	09/22/22	
o-Xylene	ND	0.0250	1	09/19/22	09/22/22	
p,m-Xylene	ND	0.0500	1	09/19/22	09/22/22	
Total Xylenes	ND	0.0250	1	09/19/22	09/22/22	
<i>Surrogate: Bromofluorobenzene</i>		97.2 %	70-130	09/19/22	09/22/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.0 %	70-130	09/19/22	09/22/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	09/19/22	09/22/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2239014
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/19/22	09/22/22	
<i>Surrogate: Bromofluorobenzene</i>		97.2 %	70-130	09/19/22	09/22/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.0 %	70-130	09/19/22	09/22/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	09/19/22	09/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2239076
Diesel Range Organics (C10-C28)	ND	25.0	1	09/21/22	09/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/21/22	09/22/22	
<i>Surrogate: n-Nonane</i>		91.9 %	50-200	09/21/22	09/22/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2239106
Chloride	511	40.0	2	09/20/22	09/23/22	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #014 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 9/26/2022 1:11:10PM
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CONF11 - 5'
E209079-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS		Batch: 2239014
Benzene	ND	0.0250	1	09/19/22	09/22/22	
Ethylbenzene	ND	0.0250	1	09/19/22	09/22/22	
Toluene	ND	0.0250	1	09/19/22	09/22/22	
o-Xylene	ND	0.0250	1	09/19/22	09/22/22	
p,m-Xylene	ND	0.0500	1	09/19/22	09/22/22	
Total Xylenes	ND	0.0250	1	09/19/22	09/22/22	
<i>Surrogate: Bromofluorobenzene</i>		98.7 %	70-130	09/19/22	09/22/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.4 %	70-130	09/19/22	09/22/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	09/19/22	09/22/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2239014
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/19/22	09/22/22	
<i>Surrogate: Bromofluorobenzene</i>		98.7 %	70-130	09/19/22	09/22/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		95.4 %	70-130	09/19/22	09/22/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	09/19/22	09/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2239076
Diesel Range Organics (C10-C28)	ND	25.0	1	09/21/22	09/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/21/22	09/22/22	
<i>Surrogate: n-Nonane</i>		78.7 %	50-200	09/21/22	09/22/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2239046
Chloride	446	200	10	09/20/22	09/21/22	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #014 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 9/26/2022 1:11:10PM
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CONF14 - 5'

E209079-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS		Batch: 2239014
Benzene	ND	0.0250	1	09/19/22	09/22/22	
Ethylbenzene	ND	0.0250	1	09/19/22	09/22/22	
Toluene	ND	0.0250	1	09/19/22	09/22/22	
o-Xylene	ND	0.0250	1	09/19/22	09/22/22	
p,m-Xylene	ND	0.0500	1	09/19/22	09/22/22	
Total Xylenes	ND	0.0250	1	09/19/22	09/22/22	
<i>Surrogate: Bromofluorobenzene</i>		97.8 %	70-130	09/19/22	09/22/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.9 %	70-130	09/19/22	09/22/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	09/19/22	09/22/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2239014
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/19/22	09/22/22	
<i>Surrogate: Bromofluorobenzene</i>		97.8 %	70-130	09/19/22	09/22/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.9 %	70-130	09/19/22	09/22/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	09/19/22	09/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2239076
Diesel Range Organics (C10-C28)	ND	25.0	1	09/21/22	09/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/21/22	09/22/22	
<i>Surrogate: n-Nonane</i>		83.9 %	50-200	09/21/22	09/22/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2239106
Chloride	378	200	10	09/20/22	09/23/22	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #014 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 9/26/2022 1:11:10PM
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CONF46Wall - 1'

E209079-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS		Batch: 2239014
Benzene	ND	0.0250	1	09/19/22	09/22/22	
Ethylbenzene	ND	0.0250	1	09/19/22	09/22/22	
Toluene	ND	0.0250	1	09/19/22	09/22/22	
o-Xylene	ND	0.0250	1	09/19/22	09/22/22	
p,m-Xylene	ND	0.0500	1	09/19/22	09/22/22	
Total Xylenes	ND	0.0250	1	09/19/22	09/22/22	
<i>Surrogate: Bromofluorobenzene</i>		96.7 %	70-130	09/19/22	09/22/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.4 %	70-130	09/19/22	09/22/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	09/19/22	09/22/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2239014
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/19/22	09/22/22	
<i>Surrogate: Bromofluorobenzene</i>		96.7 %	70-130	09/19/22	09/22/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.4 %	70-130	09/19/22	09/22/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	09/19/22	09/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2239076
Diesel Range Organics (C10-C28)	ND	25.0	1	09/21/22	09/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/21/22	09/22/22	
<i>Surrogate: n-Nonane</i>		82.6 %	50-200	09/21/22	09/22/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2239046
Chloride	134	20.0	1	09/20/22	09/21/22	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #014 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 9/26/2022 1:11:10PM
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CONF47Wall - 1'

E209079-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS		Batch: 2239014
Benzene	ND	0.0250	1	09/19/22	09/22/22	
Ethylbenzene	ND	0.0250	1	09/19/22	09/22/22	
Toluene	ND	0.0250	1	09/19/22	09/22/22	
o-Xylene	ND	0.0250	1	09/19/22	09/22/22	
p,m-Xylene	ND	0.0500	1	09/19/22	09/22/22	
Total Xylenes	ND	0.0250	1	09/19/22	09/22/22	
<i>Surrogate: Bromofluorobenzene</i>		95.5 %	70-130	09/19/22	09/22/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.1 %	70-130	09/19/22	09/22/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	09/19/22	09/22/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2239014
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/19/22	09/22/22	
<i>Surrogate: Bromofluorobenzene</i>		95.5 %	70-130	09/19/22	09/22/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.1 %	70-130	09/19/22	09/22/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	09/19/22	09/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2239076
Diesel Range Organics (C10-C28)	ND	25.0	1	09/21/22	09/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/21/22	09/22/22	
<i>Surrogate: n-Nonane</i>		81.3 %	50-200	09/21/22	09/22/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2239046
Chloride	165	20.0	1	09/20/22	09/21/22	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #014 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 9/26/2022 1:11:10PM
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CONF48Wall - 1'

E209079-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2239014
Benzene	ND	0.0250	1	09/19/22	09/22/22	
Ethylbenzene	ND	0.0250	1	09/19/22	09/22/22	
Toluene	ND	0.0250	1	09/19/22	09/22/22	
o-Xylene	ND	0.0250	1	09/19/22	09/22/22	
p,m-Xylene	ND	0.0500	1	09/19/22	09/22/22	
Total Xylenes	ND	0.0250	1	09/19/22	09/22/22	
<i>Surrogate: Bromofluorobenzene</i>		97.4 %	70-130	09/19/22	09/22/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.1 %	70-130	09/19/22	09/22/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	09/19/22	09/22/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2239014
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/19/22	09/22/22	
<i>Surrogate: Bromofluorobenzene</i>		97.4 %	70-130	09/19/22	09/22/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		99.1 %	70-130	09/19/22	09/22/22	
<i>Surrogate: Toluene-d8</i>		104 %	70-130	09/19/22	09/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2239076
Diesel Range Organics (C10-C28)	ND	25.0	1	09/21/22	09/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/21/22	09/22/22	
<i>Surrogate: n-Nonane</i>		83.5 %	50-200	09/21/22	09/22/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2239046
Chloride	ND	20.0	1	09/20/22	09/21/22	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #014 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 9/26/2022 1:11:10PM
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CONF49Wall - 1'

E209079-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS		Batch: 2239014
Benzene	ND	0.0250	1	09/19/22	09/22/22	
Ethylbenzene	ND	0.0250	1	09/19/22	09/22/22	
Toluene	ND	0.0250	1	09/19/22	09/22/22	
o-Xylene	ND	0.0250	1	09/19/22	09/22/22	
p,m-Xylene	ND	0.0500	1	09/19/22	09/22/22	
Total Xylenes	ND	0.0250	1	09/19/22	09/22/22	
<i>Surrogate: Bromofluorobenzene</i>		95.8 %	70-130	09/19/22	09/22/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.2 %	70-130	09/19/22	09/22/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	09/19/22	09/22/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2239014
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/19/22	09/22/22	
<i>Surrogate: Bromofluorobenzene</i>		95.8 %	70-130	09/19/22	09/22/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		96.2 %	70-130	09/19/22	09/22/22	
<i>Surrogate: Toluene-d8</i>		105 %	70-130	09/19/22	09/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2239076
Diesel Range Organics (C10-C28)	ND	25.0	1	09/21/22	09/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/21/22	09/22/22	
<i>Surrogate: n-Nonane</i>		83.6 %	50-200	09/21/22	09/22/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS		Batch: 2239046
Chloride	69.6	20.0	1	09/20/22	09/21/22	



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #014 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 9/26/2022 1:11:10PM
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Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec % %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2239014-BLK1)

Prepared: 09/19/22 Analyzed: 09/21/22

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: Bromofluorobenzene	0.480		0.500		96.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.464		0.500		92.7	70-130			
Surrogate: Toluene-d8	0.528		0.500		106	70-130			

LCS (2239014-BS1)

Prepared: 09/19/22 Analyzed: 09/21/22

Benzene	2.12	0.0250	2.50		84.7	70-130			
Ethylbenzene	2.24	0.0250	2.50		89.6	70-130			
Toluene	2.16	0.0250	2.50		86.6	70-130			
o-Xylene	2.11	0.0250	2.50		84.4	70-130			
p,m-Xylene	4.17	0.0500	5.00		83.3	70-130			
Total Xylenes	6.28	0.0250	7.50		83.7	70-130			
Surrogate: Bromofluorobenzene	0.494		0.500		98.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.493		0.500		98.5	70-130			
Surrogate: Toluene-d8	0.527		0.500		105	70-130			

LCS Dup (2239014-BSD1)

Prepared: 09/19/22 Analyzed: 09/21/22

Benzene	2.11	0.0250	2.50		84.3	70-130	0.473	23	
Ethylbenzene	2.23	0.0250	2.50		89.4	70-130	0.268	27	
Toluene	2.16	0.0250	2.50		86.5	70-130	0.0462	24	
o-Xylene	2.11	0.0250	2.50		84.5	70-130	0.118	27	
p,m-Xylene	4.19	0.0500	5.00		83.8	70-130	0.515	27	
Total Xylenes	6.30	0.0250	7.50		84.0	70-130	0.382	27	
Surrogate: Bromofluorobenzene	0.492		0.500		98.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.467		0.500		93.3	70-130			
Surrogate: Toluene-d8	0.530		0.500		106	70-130			



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #014 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 9/26/2022 1:11:10PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2239014-BLK1)

Prepared: 09/19/22 Analyzed: 09/21/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.480		0.500		96.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.464		0.500		92.7	70-130			
Surrogate: Toluene-d8	0.528		0.500		106	70-130			

LCS (2239014-BS2)

Prepared: 09/19/22 Analyzed: 09/21/22

Gasoline Range Organics (C6-C10)	54.6	20.0	50.0		109	70-130			
Surrogate: Bromofluorobenzene	0.493		0.500		98.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.475		0.500		94.9	70-130			
Surrogate: Toluene-d8	0.527		0.500		105	70-130			

LCS Dup (2239014-BSD2)

Prepared: 09/19/22 Analyzed: 09/21/22

Gasoline Range Organics (C6-C10)	52.9	20.0	50.0		106	70-130	3.11	20	
Surrogate: Bromofluorobenzene	0.490		0.500		98.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.479		0.500		95.8	70-130			
Surrogate: Toluene-d8	0.537		0.500		107	70-130			



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #014 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 9/26/2022 1:11:10PM
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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 (2239076-BLK1)

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

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	41.6		50.0		83.1	50-200			

LCS (2239076-BS1)

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

Diesel Range Organics (C10-C28)	261	25.0	250		104	38-132			
Surrogate: <i>n</i> -Nonane	43.3		50.0		86.6	50-200			

Matrix Spike (2239076-MS1)

Source: E209079-03

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

Diesel Range Organics (C10-C28)	266	25.0	250	ND	106	38-132			
Surrogate: <i>n</i> -Nonane	44.9		50.0		89.7	50-200			

Matrix Spike Dup (2239076-MSD1)

Source: E209079-03

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

Diesel Range Organics (C10-C28)	264	25.0	250	ND	106	38-132	0.787	20	
Surrogate: <i>n</i> -Nonane	43.8		50.0		87.5	50-200			



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #014 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 9/26/2022 1:11:10PM
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Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2239046-BLK1)

Prepared: 09/20/22 Analyzed: 09/20/22

Chloride	ND	20.0							
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LCS (2239046-BS1)

Prepared: 09/20/22 Analyzed: 09/20/22

Chloride	251	20.0	250		100	90-110			
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Matrix Spike (2239046-MS1)

Source: E209079-01

Prepared: 09/20/22 Analyzed: 09/20/22

Chloride	3880	40.0	250	5700	NR	80-120			M5
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Matrix Spike Dup (2239046-MSD1)

Source: E209079-01

Prepared: 09/20/22 Analyzed: 09/21/22

Chloride	3160	40.0	250	5700	NR	80-120	20.4	20	M5, R3
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QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Ross Draw Unit #014 Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 9/26/2022 1:11:10PM
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Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2239106-BLK1)

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

Chloride ND 20.0

LCS (2239106-BS1)

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

Chloride 249 20.0 250 99.7 90-110

Matrix Spike (2239106-MS1)

Source: E209117-01

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

Chloride 251 20.0 250 ND 100 80-120

Matrix Spike Dup (2239106-MSD1)

Source: E209117-01

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

Chloride 256 20.0 250 ND 102 80-120 2.17 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 #014	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	09/26/22 13:11

- M5 The analysis of the MS sample required a dilution such that the spike recovery calculation does not provide useful information. The associated LCS spike recovery was acceptable.
- R3 The RPD exceeded the acceptance limit. LCS spike recovery met acceptance criteria.
- 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: 1/3/2023 4:16:51 PM

Client: Devon Project: Ross Draw Unit #014 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@dv.com	Lab Use Only Lab WO# E209079 Job Number 01058-0007	TAT 1D 2D 3D Standard x	EPA Program CWA SDWA RCRA State NM CO UT AZ TX x
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Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BDOC NM	BDOC TX	Remarks
11:48	9/14/22	Soil	1 Jar	CONF36 - 5'	1							X		
11:49	9/14/22	Soil	1 Jar	CONF39 - 4'	2							X		
11:56	9/14/22	Soil	1 Jar	CONF40 - 5'	3							X		
11:57	9/14/22	Soil	1 Jar	CONF41 - 4'	4							X		
12:40	9/14/22	Soil	1 Jar	CONF09 - 12'	5							X		
12:33	9/14/22	Soil	1 Jar	CONF10 - 12'	6							X		
14:26	9/14/22	Soil	1 Jar	CONF13 - 5.5'	7							X		
14:32	9/14/22	Soil	1 Jar	CONF11 - 5'	8							X		
12:27	9/14/22	Soil	1 Jar	CONF14 - 5'	9							X		
15:08	9/14/22	Soil	1 Jar	CONF46Wall - 1'	10							X		

Additional Instructions: Kept on ice, Please CC: cole.burton@wescominc.com, shar.harvester@wescominc.com, jim.raley@dv.com, ashley.giovengo@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) <i>[Signature]</i>	Date 09/15/22	Time 12:30pm	Received by: (Signature) <i>[Signature]</i>	Date 9-15-22	Time 12:30	Lab Use Only Received on ice: <input checked="" type="checkbox"/> N
Relinquished by: (Signature) <i>[Signature]</i>	Date 9-15-22	Time 4:15p	Received by: (Signature) <i>[Signature]</i>	Date 9/16/22	Time 10:41	T1 _____ T2 _____ 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.



Received by OCD: 10/14/2022 8:11:24 AM

Page 151 of 158

Envirotech Analytical Laboratory

Printed: 9/16/2022 11:06:16AM

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:	09/16/22 10:41	Work Order ID:	E209079
Phone:	(505) 382-1211	Date Logged In:	09/16/22 08:44	Logged In By:	Caitlin Christian
Email:	ashley.giovengo@wescominc.com	Due Date:	09/22/22 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

Carrier: UPS

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

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

ATTACHMENT F

48-hour Confirmation Sampling Notification Emails



From: [Cole Burton](#)
To: [Ashley Giovengo](#); OCD.Enviro@state.nm.us
Cc: [Joey Croce](#); [Cody York](#); [Shar Harvester](#); [Israel Estrella](#); [Raley, Jim](#)
Subject: RE: 48-Hour Confirmation Sample Notice - Ross Draw Unit #014H – nAPP2220850033
Date: Monday, September 12, 2022 11:30:00 AM

Hello,

Please extend the confirmation sampling period at the Ross Draw Unit #014 - nAPP2220850033 period to 9/14/22.

Thank you,

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: Ashley Giovengo <ashley.giovengo@wescominc.com>
Sent: Tuesday, September 6, 2022 3:47 PM
To: OCD.Enviro@state.nm.us
Cc: [Joey Croce](mailto:Joey.Croce@WescomInc.com) <Joey.Croce@WescomInc.com>; [Cody York](mailto:Cody.york@wescominc.com) <Cody.york@wescominc.com>; [Cole Burton](mailto:cole.burton@wescominc.com) <cole.burton@wescominc.com>; [Shar Harvester](mailto:Shar.Harvester@WescomInc.com) <Shar.Harvester@WescomInc.com>; [Israel Estrella](mailto:Israel.Estrella@wescominc.com) <Israel.Estrella@wescominc.com>; [Raley, Jim](mailto:Jim.Raley@dvn.com) <Jim.Raley@dvn.com>
Subject: RE: 48-Hour Confirmation Sample Notice - Ross Draw Unit #014H – nAPP2220850033

Hello All,

Due to the weather last week, we were unable to collect confirmation samples. Please extend the confirmation sampling period at the Ross Draw Unit #014 - nAPP2220850033 to 09/09/2022. Please let me know if you have any questions or plan on attending the sampling event.

Thanks,

Ashley Giovengo, Environmental Manager - Permian
O (218) 724-1322 | C (505) 382-1211
[WescomInc.com](#) | ashley.giovengo@WescomInc.com
"I am in charge of my own safety."

From: Ashley Giovengo
Sent: Monday, August 29, 2022 10:14 AM
To: 'OCD.Enviro@state.nm.us' <OCD.Enviro@state.nm.us>
Cc: [Joey Croce](mailto:Joey.Croce@WescomInc.com) <Joey.Croce@WescomInc.com>; [Cody York](mailto:Cody.york@wescominc.com) <Cody.york@wescominc.com>; [Cole Burton](mailto:cole.burton@wescominc.com) <cole.burton@wescominc.com>; [Shar Harvester](mailto:Shar.Harvester@WescomInc.com) <Shar.Harvester@WescomInc.com>; [Israel Estrella](mailto:Israel.Estrella@wescominc.com) <Israel.Estrella@wescominc.com>; 'Raley, Jim' <Jim.Raley@dvn.com>
Subject: RE: 48-Hour Confirmation Sample Notice - Ross Draw Unit #014H – nAPP2220850033

Hello All,

Please extend the confirmation sampling period at the Ross Draw Unit #014 - nAPP2220850033 to 08/31/2022. Please let me know if you have any questions or plan on attending the sampling event.

Thanks,

Ashley Giovengo, Environmental Manager - Permian
O (218) 724-1322 | C (505) 382-1211
WescomInc.com | ashley.giovengo@WescomInc.com
"I am in charge of my own safety."

From: Ashley Giovengo
Sent: Tuesday, August 23, 2022 8:01 AM
To: 'OCD.Enviro@state.nm.us' <OCD.Enviro@state.nm.us>
Cc: Joey Croce <Joey.Croce@WescomInc.com>; Cody York <cody.york@wescominc.com>; Cole Burton <cole.burton@wescominc.com>; Shar Harvester <Shar.Harvester@WescomInc.com>; Israel Estrella <Israel.Estrella@wescominc.com>; 'Raley, Jim' <Jim.Raley@dvn.com>
Subject: RE: 48-Hour Confirmation Sample Notice - Ross Draw Unit #014H – nAPP2220850033

Hello All,

Please see the correct date below.

We intend to take confirmation samples at the Ross Draw Unit #014 – nAPP2220850033 starting on (8/24/22) through (08/26/2022).

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

Thanks,

Ashley Giovengo, Environmental Manager - Permian
O (218) 724-1322 | C (505) 382-1211
WescomInc.com | ashley.giovengo@WescomInc.com
"I am in charge of my own safety."

From: Ashley Giovengo
Sent: Monday, August 22, 2022 7:26 AM
To: OCD.Enviro@state.nm.us
Cc: Joey Croce <Joey.Croce@WescomInc.com>; Cody York <cody.york@wescominc.com>; Cole Burton <cole.burton@wescominc.com>; Shar Harvester <Shar.Harvester@WescomInc.com>; Israel Estrella <Israel.Estrella@wescominc.com>; Raley, Jim <Jim.Raley@dvn.com>
Subject: 48-Hour Confirmation Sample Notice - Ross Draw Unit #014H – nAPP2220850033

Hello All,

We intend to take confirmation samples at the Ross Draw Unit #014 – nAPP2220850033 starting on (5/24/22) through (05/26/2022).

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

Thanks,

Ashley Giovengo, Environmental Manager - Permian

O (218) 724-1322 | C (505) 382-1211

WescomInc.com | ashley.giovengo@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 150930

CONDITIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 150930
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	None	1/3/2023