

# 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 Drav	w Unit #014	— <b>32.0124092, -103.</b> 8	584137			
Depth to Groundwater		Clo	osure Criteria	(unites in mg	;/kg)	
		Chloride * numberical				
		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	20000	2500	1000	50	10
Surface Water	Yes or No		If ye	s, then		
< 300 feet from continuously flowing watercourse or other	No					
significant watercourse?	110					
< 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	No					
watering purposes?						
< 1000 feet from fresh water well or spring?	No					
Human and Other Areas						
< 300 feet from an occupied permanent residence, school,	No					
hospital, institution or church?	NO					
Within incorporated municipal boundaries or within a	No					
defined municipal fresh water well field?	INO					
< 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 ACTIVITES

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



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

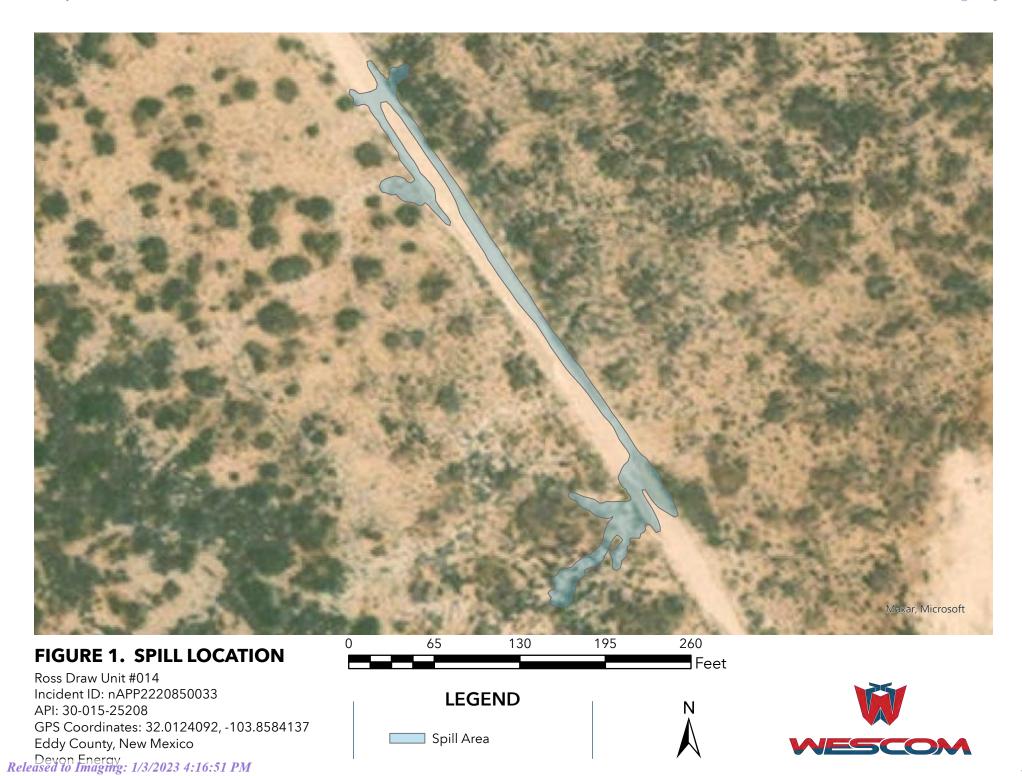
**ATTACHMENT C.** Closure Criteria Supporting Documents

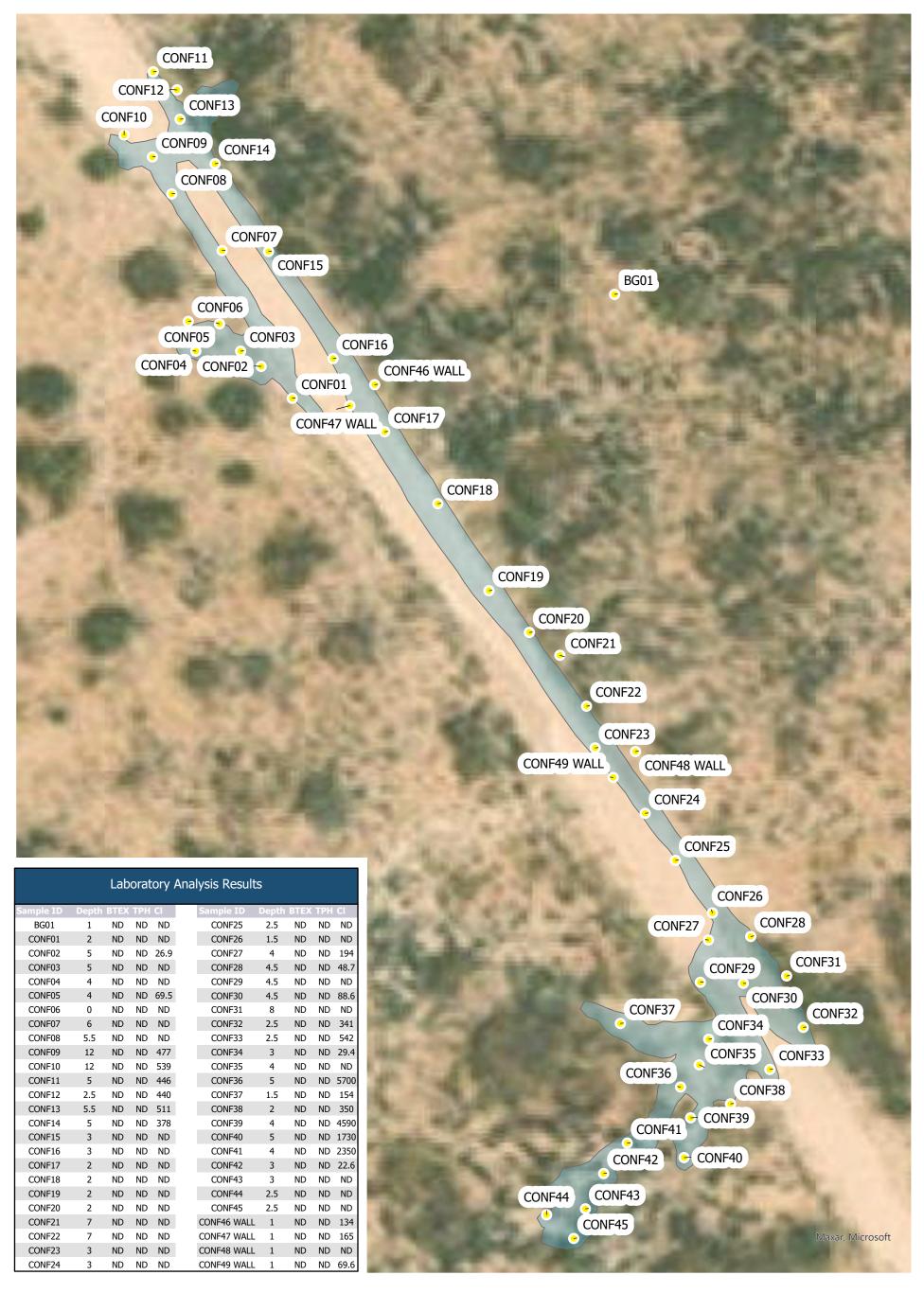
ATTACHMENT D. Karst Map

ATTACHMENT E. Envirotech Inc. Laboratory Analysis Reports

**ATTACHMENT F.** 48-hour Confirmation Sampling Notification Emails

# **FIGURES**





# FIGURE 2. CONFIRMATION SAMPLING

0 25 50 75 100 Feet

Ross Draw Unit #014

Incident ID: nAPP2220850033

API: 30-015-25208

GPS Coordinates: 32.0124092, -103.8584137

Eddy County, New Mexico

Devon Energy



Confirmation Sample Locations

Spill Area



# TABLE

Ross Draw Unit #014H   nAPP2220850033						
		Devon E	nergy	09.26.2022		
Table 1. Laboratory Analysis Results: Confirmation Samples						
Sam	ple Descrip	tion	Pet	Petroleum Hydrocarbons		
			V	olatile	Extractable	
			Benzene	Total BTEX	TPH	Chloride
Sample ID	Depth (ft.)	Date	(mk/kg)	(mk/kg)	(mk/kg)	(mk/kg)
<b>Closure Crite</b>	eria		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
ABBREVIATIO	ONS					
BTEX — Benzene	, Toluene, Ethyl	ene, Xylene		GRO — Gasoline Ra	inge Organics	
DRO — Diesel Range Organics				ND — Non-detect		
ft. — Feet mg/kg — Milligrams per Kilogram						
TPH — Total Petroleum Hydrocarbons						
Notes						
Bold Red - Resul	ts are above clo	sure criteria				
Gray Highlight - Background Samples						



Ross Draw Unit #014H   nAPP2220850033						
Devon Energy   09.26.2022						
Tab	le 1. Labo	ratory Anal	ysis Res	ults: Confirm	nation Samp	les
Sam	ple Descrip	tion	Pe	troleum Hydro	carbons	Inorganic
			V	olatile	Extractable	
			Benzene	Total BTEX	TPH	Chloride
Sample ID	Depth (ft.)	Date	(mk/kg)	(mk/kg)	(mk/kg)	(mk/kg)
<b>Closure Crite</b>	ria		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
ABBREVIATIO	NS					
BTEX — Benzene	, Toluene, Ethyl	ene, Xylene		GRO — Gasoline Ra	inge Organics	
DRO — Diesel Ra	DRO — Diesel Range Organics ND — Non-detect					
ft. — Feet mg/kg — Milligrams per Kilogram						
TPH — Total Petroleum Hydrocarbons						
Notes						
Bold Red - Result	ts are above clo	sure criteria				
Gray Highlight - Background Samples						



# ATTACHMENT A

C-141

Responsible Party WPX Energy Permain, LLC

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**

OGRID 246289

Contact Name Jim Raley			Contact Telephone 575-689-7597			
Contact email Jim.Raley@dvn.com			Incident #	Incident # (assigned by OCD) nAPP2220850033		
Contact mailing address 5315 Buena Vista Drive, Carlsbad, NM 88220						
			Location	n of R	elease S	ource
Latitude32	2.0124092		(NAD 83 in d	lecimal de	Longitude grees to 5 deci	103.8584137 mal places)
Site Name RO	OSS DRAW	UNIT #014			Site Type	Oil Well
Date Release	Discovered	7/25/2022			API# (if ap	plicable) 30-015-25208
Unit Letter	Section	Township	Range		Cou	ntv
L	26	26S	30E	Eddy		,
Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)  Crude Oil Volume Released (bbls) Volume Recovered (bbls)						
Crude Oil	Materia I			ch calculat	ions or specific	
Produced	Produced Water Volume Released (bbls) 27				Volume Recovered (bbls) 1	
	Is the concentration of dissolved chloride produced water >10,000 mg/l?		chloride	e in the	☐ Yes ☐ No	
Condensa	ite	Volume Release				Volume Recovered (bbls)
Natural G	ias	Volume Release	ed (Mcf)			Volume Recovered (Mcf)
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. $bbl\ est\ imate = \frac{saturated\ soil\ volume\ (ft^{3})}{4.21(\frac{ft^{3}}{bbl\ equivalent})}*\ estimated\ soil\ porosity(\%) + recovered\ fluids\ (bbl)$						

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Was this a major release as defined by	If YES, for what reason(s) does the response release? Volume exceeded 20 bbls.	onsible party consider this a major			
19.15.29.7(A) NMAC?	release? Volume exceeded 20 bols.				
⊠ Yes □ No					
	otice given to the OCD? By whom? To we other via email on 7/26/2022.	thom? When and by what means (phone, email, etc)?			
	Initial R	esponse			
The responsible p	party must undertake the following actions immediate	ely unless they could create a safety hazard that would result in injury			
The source of the rele	ease has been stonned				
	s been secured to protect human health and	d the environment.			
	_	dikes, absorbent pads, or other containment devices.			
☐ All free liquids and re	ecoverable materials have been removed a	nd managed appropriately.			
If all the actions described	d above have <u>not</u> been undertaken, explain	why:			
Par 10 15 20 8 R (4) NM	AC 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:Jim Rale	ey	Title:Environmental Professional			
Signature:	ey fin Refy	Date:7/27/2022			
email:jim.raley@dvn	i.com	Telephone: 575-689-7597			
OCD Only					
Received by:		Date:			

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Incident ID	nAPP2220850033	
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?	☐ Yes ⊠ No		
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ⊠ 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)?	☐ Yes ⊠ No		
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ⊠ 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?	☐ Yes ⊠ No		
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ⊠ No		
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ⊠ No		
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ⊠ No		
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ⊠ No		
Are the lateral extents of the release overlying an unstable area such as karst geology?			
Are the lateral extents of the release within a 100-year floodplain?			
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	☐ Yes ⊠ 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.			
<ul> <li>         Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring well Field data     </li> </ul>	ls.		
Data table of soil contaminant concentration data			
Depth to water determination  Determination of water sources and significant watersources within 14 mile of the lateral extents of the release			
Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release  Boring or excavation logs			
<ul> <li>☑ Photographs including date and GIS information</li> </ul>			
☐ 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	
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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 fin Roly Date: 10/14/2022 Signature: email: <u>jim.raley@dvn.com</u> Telephone: <u>575-689-7597</u> **OCD Only** Jocelyn Harimon Date: 10/14/2022 Received by: \_

State of New Mexico

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Incident ID	nAPP2220850033	
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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.

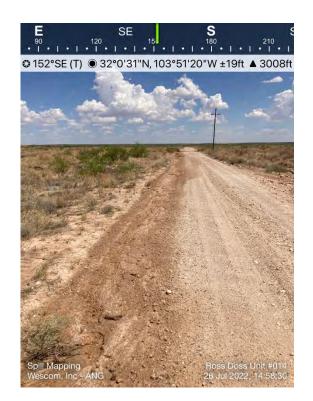
Closure Report Attachment Checklist: Each of the follo	wing items must be included in the closure report.
A scaled site and sampling diagram as described in 19.1	15.29.11 NMAC
Photographs of the remediated site prior to backfill or pmust be notified 2 days prior to liner inspection)	photos of the liner integrity if applicable (Note: appropriate OCD District office
■ Laboratory analyses of final sampling (Note: appropriate)	te ODC District office must be notified 2 days prior to final sampling)
□ Description of remediation activities	
and regulations all operators are required to report and/or file may endanger public health or the environment. The accepta should their operations have failed to adequately investigate a human health or the environment. In addition, OCD acceptar compliance with any other federal, state, or local laws and/or	complete to the best of my knowledge and understand that pursuant to OCD rules certain release notifications and perform corrective actions for releases which note of a C-141 report by the OCD does not relieve the operator of liability and remediate contamination that pose a threat to groundwater, surface water, note of a C-141 report does not relieve the operator of responsibility for regulations. The responsible party acknowledges they must substantially the conditions that existed prior to the release or their final land use in the OCD when reclamation and re-vegetation are complete.  Title: Environmental Professional  Date: 10/14/2022  Date: 10/14/2022
email: jim.raley@dvn.com	Telephone: <u>575-689-7597</u>
OCD Only	
Received by:Jocelyn Harimon	Date:10/14/2022
	e party of liability should their operations have failed to adequately investigate and urface water, human health, or the environment nor does not relieve the responsible and/or regulations.
Closure Approved by:	Date: 01/03/2023
Printed Name: Jocelyn Harimon	Title: Environmental Specialist

# ATTACHMENT B

Site Photos



Spill Area



Spill Area



Spill Area



Spill Area

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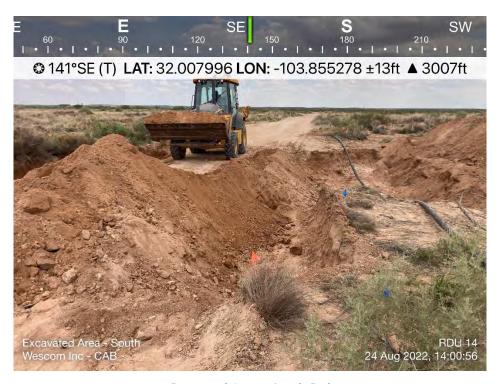


Temporary Road



Excavated Area - South End

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



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



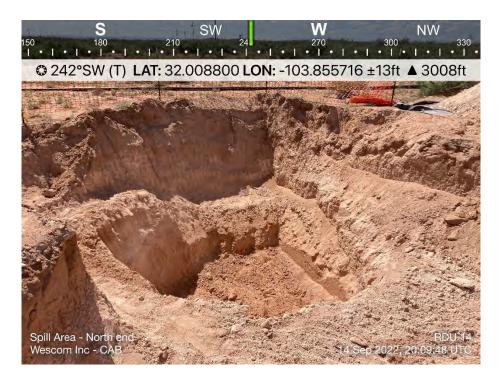
Excavated Area - South End



Confirmation Sampling - South End



Confirmation Sampling - South End



Confirmation Sampling - North End



Contaminated Soil Removed

### ATTACHMENT C

Closure Criteria Supporting Documents





### 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 8<sup>th</sup> through the 10<sup>th</sup> 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 12<sup>th</sup> 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,

Kris Williams, CHMM, REM

K. Williams

**Operations Manager** 

Attached: Drilling Locations Maps

Soil Boring Logs





	Drilling L	_ocation 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)	

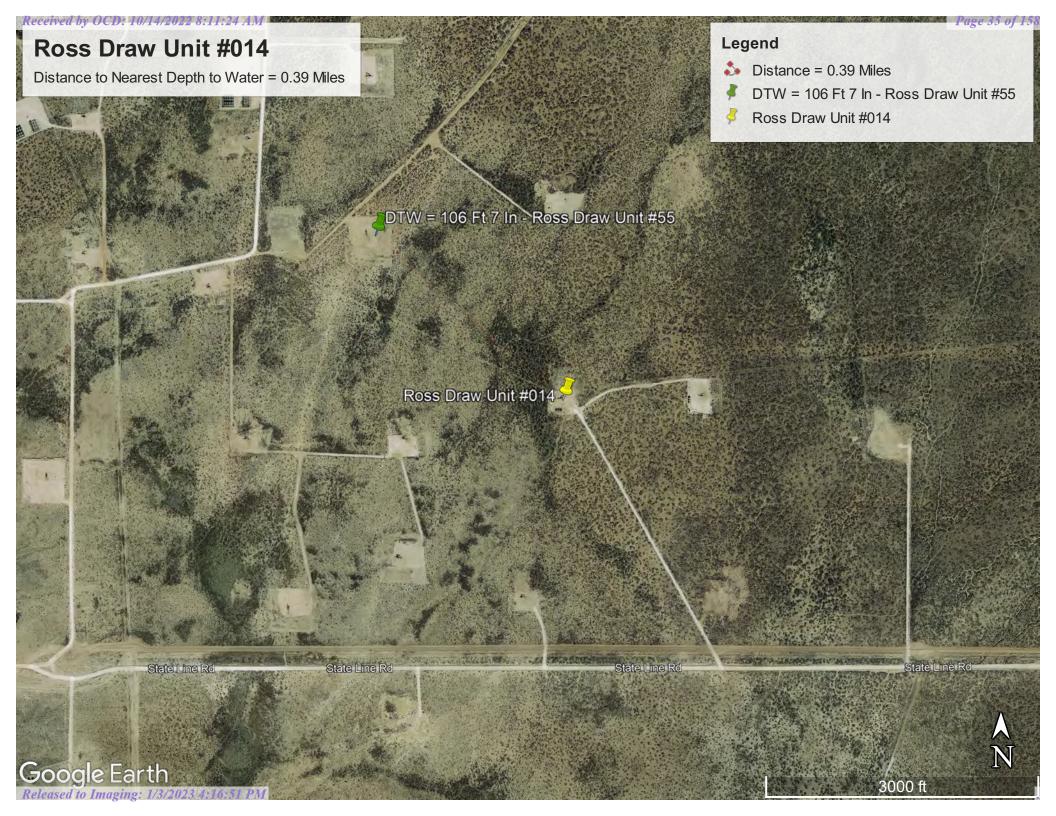
		HR	1		7				MONITORING W	ELL COMPLETION	N DIAGRAM	
$\nearrow$		C O	MPI	1 A N	CF		Boring/Wel		W-1	Location:  Ross Draw U	Init #55	
SOLUTIONS							Date:			Client:		
Drilling Method: Sampling Method: I							12/9/2020			WPX Energy		
Air Rotary   Sampling Method: None							1 '			1	-	
Gravel Pacl	Air Rotary  Pack Type:  10/20 Sand  Talon LPE  Seal Type:  None  None  Seal Depth Interval:  None  None  Seal Depth Interval:  None  None  32.016165  Seal Type:  Depth Interval:  Seal Type:  None  None  Talon LPE  Seal Type:  None  None  32.016165  Seal Type:  None  None  Talon LPE  Seal Type:  None  None  32.016165  Seal Type:  None  None  106'7"  -103.86346  Seal Type:  None  None  None  Seal Depth Interval:  Latitude:  None  106'7"  -103.86346  Seal Type:  None  None  Seal Type:  None  None  Seal Type:  None  None  106'7"  -103.86346  Seal Type:  None  None  Seal Type:  None  Seal Type:  None  None  Seal Type:  Seal Type:  Seal Type:  Seal Type:  Seal Type:  Seal Type:  None  Seal Type:  Seal Typ											
Casing Typ											65	
PVC	C 71						Borning Total			-103.86346		
Screen Type	e:		1.		-		Well Total				DTW Date:	
PVC		0.010-11	nen I	2-inch	101'7"	_			5' / " 	>106. /	12/16/2020	
Depth Interval (ft)	Recovery (ft)	Plasticity	Moisture	Odor	Staining	(mdd) (III	nscs	Sample ID	Litholog	y/Remarks	Well Completion	
0 5 10 15	NM	L	D	N	N	NM	SP	NS	_		-	
20 25 30	NM	L	D	N	N	NM	SW	NS		ell graded fine sand im and coarse sand	-	
35 40 45 50 55 60	NM	L	D	N	N	NM	SP	NS	_	n poorly graded fine minor gravel		
65 70 75 80 85	NM	L	D	N	N	NM	SP	NS		ded fine sand with gravel -	-	
90 95	NM	L	D	N	N	NM	SP	NS		y graded fine sand minor medium sand		
100 106'7"	NM	М	D	N	N	NM	SC	NS		d with moderate silt TD 106'7"	-	

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

RDX 17-44

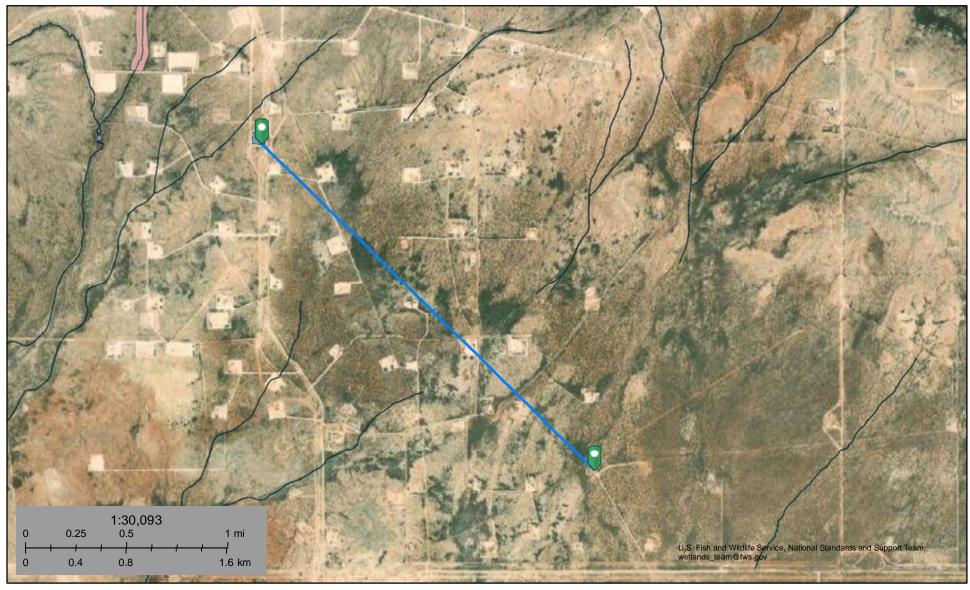
Figure 01

V	HRL						BORING LOG/MONITORING WELL COMPLETION DIAGRAM				
COMPLIANCE							Boring/Well Number: MW-1			Location: Ross Draw Unit #55	
SOLUTIONS							Date:	12/	/9/2020	Client: WPX Energy	
Drilling Method: Sampling Method:							Logged By:		1 DC	Drilled By:	
Air Rotary None Gravel Pack Type: Gravel Pack Depth Interval:						J. Linn, PG Seal Type: Seal Depth Interval:			Talon LPE		
10/20 Sand				3 Bags				one	None	32.016165	
Casing Typ	e:	Diameter:	Depth Interval:				Boring Total Depth (ft. BGS):			Longitude:	
PVC 2-inch Screen Type: Slot:			0-101'7"  Diameter: Depth Interval:				106'7" Well Total Depth (ft. BGS):			-103.86346  Depth to Water (ff. BTOC): DTW Date:	
PVC							106'7"			>106' 7"	12/16/2020
Depth Interval (ft)	Recovery (ft)	Plasticity	Moisture	Odor	Staining	PID (ppm)	USCS	Sample ID	Litholo	gy/Remarks	Well Completion
0 5 10 15	NM	L	D	N	N	NM	SP	NS		ink to buff colored poorly graded sand with minor silt	
20 25 30	NM	L	D	N	N	NM	sw	NS	Pale tan orange well graded fine sand with minor medium and coarse sand		
35 40 45 50 55 60	NM	L	D	N	N	NM	SP	NS		vn poorly graded fine a minor gravel	
65 70 75 80 85	NM	L	D	N	N	NM	SP	NS	Grey poorly graded fine sand with minor gravel  Darker grey poorly graded fine sand with minor silt and minor medium sand		
90 95	NM	L	D	N	N	NM	SP	NS			
100 106'7"	NM	М	D	N	N	NM	SC	NS		nd with moderate silt - TD 106'7"	





### Ross Draw Unit #014 - FW Pond 1.95 Miles



October 6, 2022

#### Wetlands

Estuarine and Marine Deepwater

Estuarine and Marine Wetland

Freshwater Emergent Wetland

Lake

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 - Riverine 0.78 Miles



October 6, 2022

#### Wetlands

Estuarine and Marine Deepwater

Estuarine and Marine Wetland

Freshwater Emergent Wetland

Freshwater Forested/Shrub Wetland

Freshwater Pond

Lake

Other

Riverine

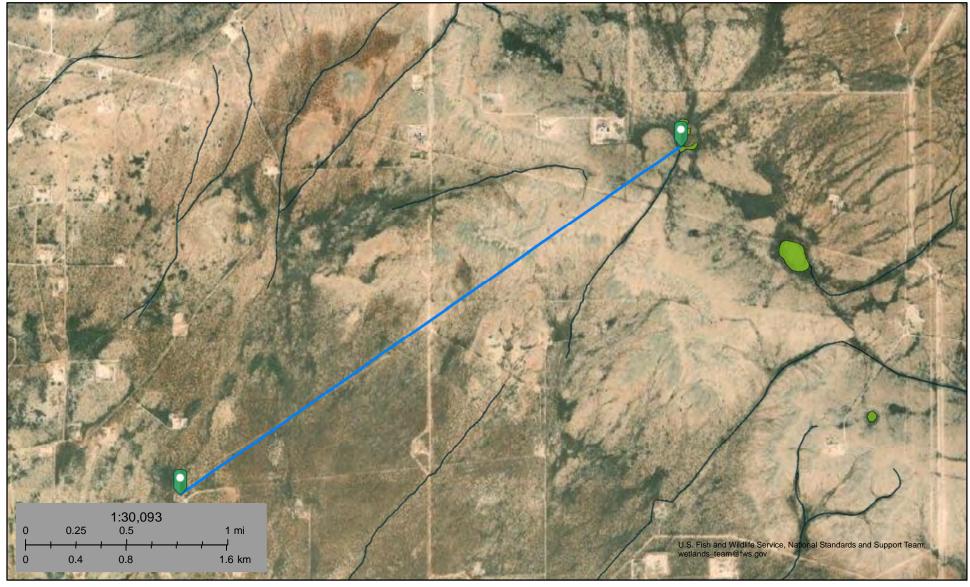
base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

This map is for general reference only. The US Fish and Wildlife

Service is not responsible for the accuracy or currentness of the



## Ross Draw Unit #014 - Wetland 2.56 Miles



October 6, 2022

#### Wetlands

Estuarine and Marine Deepwater

Estuarine and Marine Wetland

Freshwater Emergent Wetland

Freshwater Forested/Shrub Wetland

Freshwater Pond

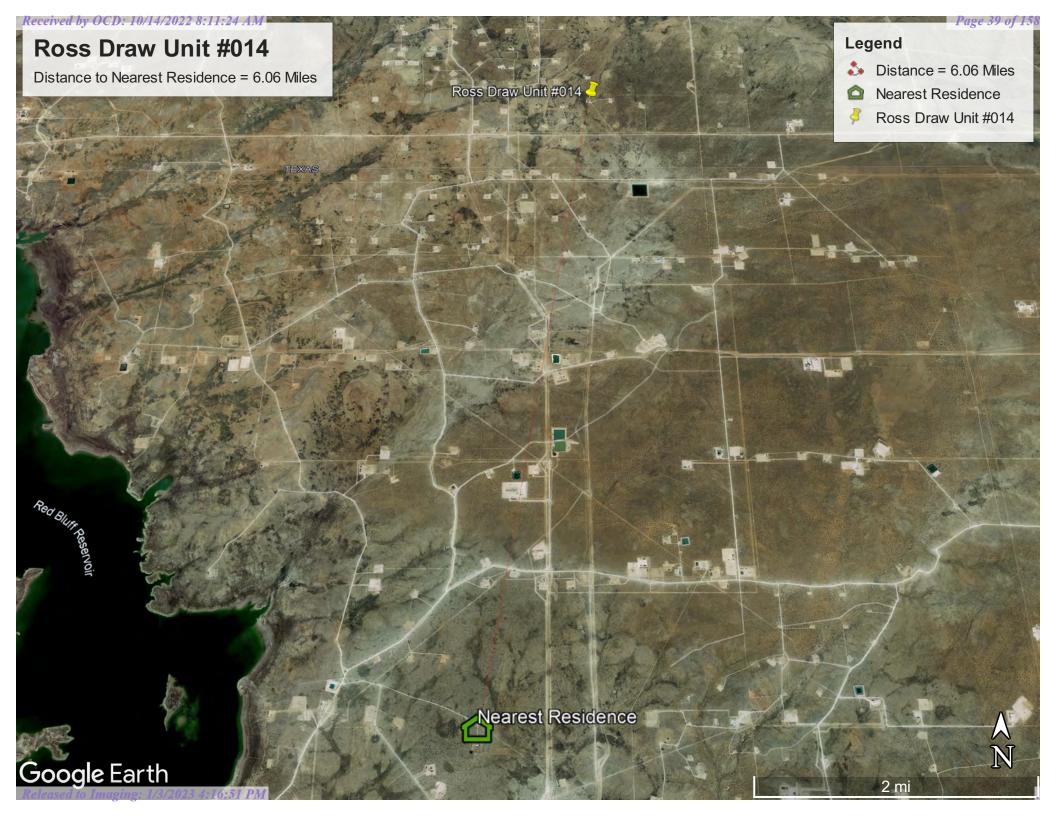
Lake

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.



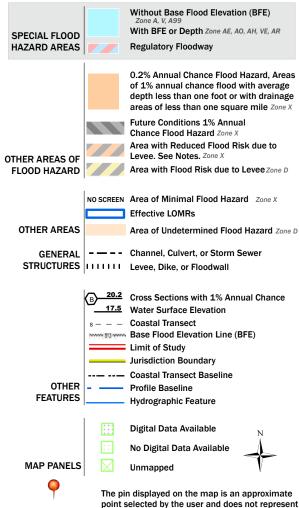
OReleas 24 To Imaging: 1/3/2023 4:909:51 PM

# National Flood Hazard Layer FIRMette





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

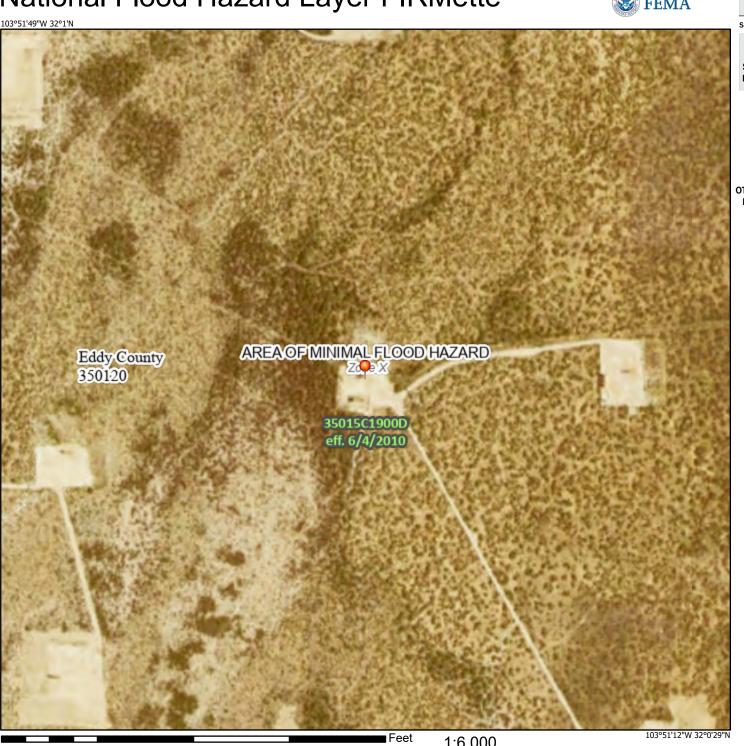


This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

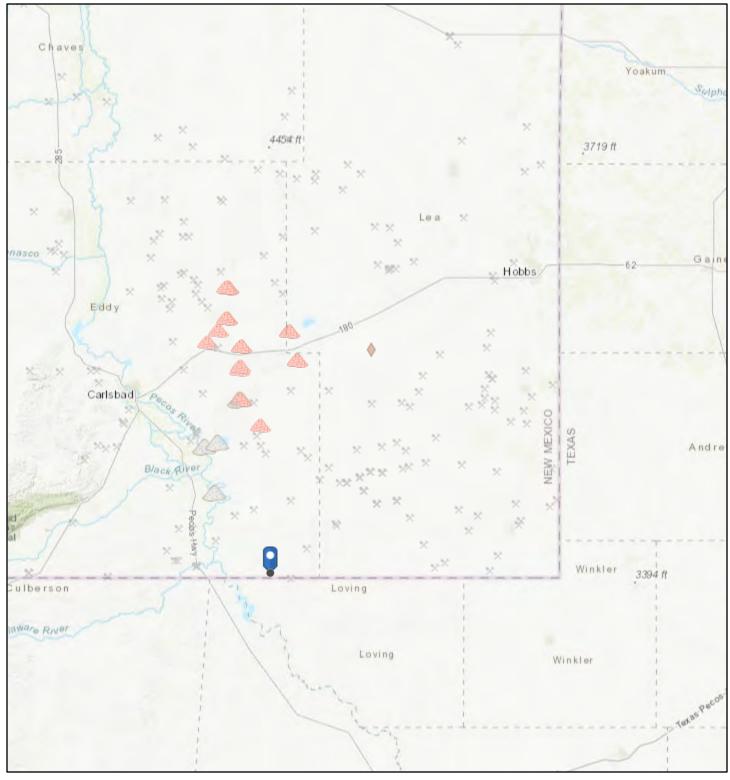
The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 8/25/2022 at 7:52 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

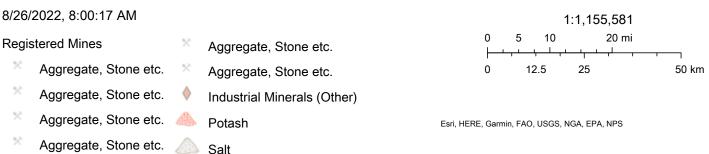
an authoritative property location.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.



## Active Mines Near Ross Draw Unit #014

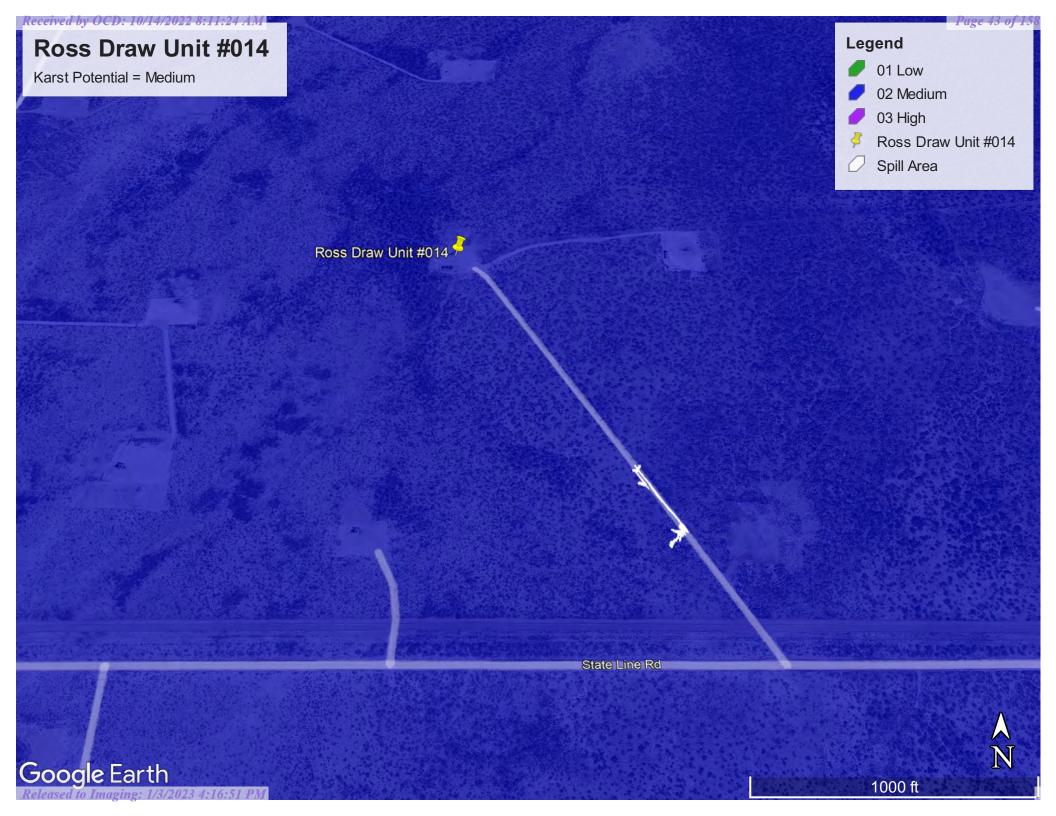




Aggregate, Stone etc.

## ATTACHMENT D

Karst Map



## ATTACHMENT E

Envirotech Inc. Laboratory Analysis Reports

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





# envirotech

Practical Solutions for a Better Tomorrow

## **Analytical Report**

Devon Energy - Carlsbad

Project Name: 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

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 reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881

Cell: 775-287-1762

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

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## Sample Summary

Devon Energy - Carlsbad	Project Name:	Ross Draw Unit #014	Donoutoda
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	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.



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	9/15/2022 4:34:03PM

### CONF01 - 2' E209040-01

		E207040-01					
Analyte	Result	Reporting Limit	Dily	ution	Prepared	Analyzed	Notes
Analyte	Result	Limit	Dill	шиоп	Frepared	Anaryzeu	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	
Surrogate: Bromofluorobenzene		101 %	70-130		09/12/22	09/12/22	
Surrogate: 1,2-Dichloroethane-d4		92.2 %	70-130		09/12/22	09/12/22	
Surrogate: Toluene-d8		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	
Surrogate: Bromofluorobenzene		101 %	70-130		09/12/22	09/12/22	
Surrogate: 1,2-Dichloroethane-d4		92.2 %	70-130		09/12/22	09/12/22	
Surrogate: Toluene-d8		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	
Surrogate: n-Nonane		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	



Devon Energy - CarlsbadProject Name:Ross Draw Unit #0146488 7 Rivers HwyProject Number:01058-0007Reported:Artesia NM, 88210Project Manager:Ashley Giovengo9/15/2022 4:34:03PM

### CONF02 - 5' E209040-02

		2207010 02				
Analyte	Result	Reporting Limit	Dilutio	on Prepared	Analyzed	Notes
· ·				1	rmaryzed	
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Ar	nalyst: 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	
Surrogate: Bromofluorobenzene		98.7 %	70-130	09/12/22	09/12/22	
Surrogate: 1,2-Dichloroethane-d4		90.2 %	70-130	09/12/22	09/12/22	
Surrogate: Toluene-d8		97.5 %	70-130	09/12/22	09/12/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ar	nalyst: IY		Batch: 2238006
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/12/22	09/12/22	
Surrogate: Bromofluorobenzene		98.7 %	70-130	09/12/22	09/12/22	
Surrogate: 1,2-Dichloroethane-d4		90.2 %	70-130	09/12/22	09/12/22	
Surrogate: Toluene-d8		97.5 %	70-130	09/12/22	09/12/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ar	nalyst: 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	
Surrogate: n-Nonane		103 %	50-200	09/12/22	09/13/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ar	nalyst: KL		Batch: 2238025
Chloride	26.9	20.0	1	09/13/22	09/14/22	



Devon Energy - CarlsbadProject Name:Ross Draw Unit #0146488 7 Rivers HwyProject Number:01058-0007Reported:Artesia NM, 88210Project Manager:Ashley Giovengo9/15/2022 4:34:03PM

### CONF03 - 5' E209040-03

		2207010 00				
Analyte	Result	Reporting Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	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	
Surrogate: Bromofluorobenzene		98.5 %	70-130	09/12/22	09/12/22	
Surrogate: 1,2-Dichloroethane-d4		94.4 %	70-130	09/12/22	09/12/22	
Surrogate: Toluene-d8		95.0 %	70-130	09/12/22	09/12/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: IY		Batch: 2238006
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/12/22	09/12/22	
Surrogate: Bromofluorobenzene		98.5 %	70-130	09/12/22	09/12/22	
Surrogate: 1,2-Dichloroethane-d4		94.4 %	70-130	09/12/22	09/12/22	
Surrogate: Toluene-d8		95.0 %	70-130	09/12/22	09/12/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	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	
Surrogate: n-Nonane		94.9 %	50-200	09/12/22	09/13/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: KL		Batch: 2238025
Chloride	ND	20.0	1	09/13/22	09/14/22	



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

### CONF04 - 4'

#### E209040-04 Reporting Analyte Limit Dilution Analyzed Result Prepared Notes Analyst: IY Batch: 2238006 mg/kg mg/kg Volatile Organic Compounds by EPA 8260B 09/12/22 09/12/22 ND 0.0250 Benzene 1 09/12/22 09/12/22 Ethylbenzene ND 0.0250 ND 0.0250 1 09/12/22 09/12/22 Toluene 1 09/12/22 09/12/22 o-Xylene ND 0.0250 09/12/22 09/12/22 ND 0.0500 1 p,m-Xylene 09/12/22 09/12/22 1 Total Xylenes ND 0.0250 09/12/22 Surrogate: Bromofluorobenzene 09/12/22 99.3 % 70-130 09/12/22 Surrogate: 1,2-Dichloroethane-d4 91.5 % 70-130 09/12/22 Surrogate: Toluene-d8 97.0 % 70-130 09/12/22 09/12/22 Nonhalogenated Organics by EPA 8015D - GRO mg/kg mg/kg Analyst: IY Batch: 2238006 ND 1 09/12/22 09/12/22 20.0 Gasoline Range Organics (C6-C10) Surrogate: Bromofluorobenzene 99.3 % 09/12/22 09/12/22 70-130 09/12/22 Surrogate: 1,2-Dichloroethane-d4 91.5 % 70-130 09/12/22 Surrogate: Toluene-d8 09/12/22 09/12/22 97.0 % 70-130 mg/kg Analyst: JL Batch: 2238012 mg/kg Nonhalogenated Organics by EPA 8015D - DRO/ORO 09/12/22 09/13/22 ND 25.0 1 Diesel Range Organics (C10-C28) ND 50.0 1 09/12/22 09/13/22 Oil Range Organics (C28-C36) 93.8 % 50-200 09/12/22 09/13/22

mg/kg

20.0

Analyst: KL

09/13/22

09/14/22

1

mg/kg

ND

Batch: 2238025

Surrogate: n-Nonane

Chloride

Anions by EPA 300.0/9056A

Devon Energy - CarlsbadProject Name:Ross Draw Unit #0146488 7 Rivers HwyProject Number:01058-0007Reported:Artesia NM, 88210Project Manager:Ashley Giovengo9/15/2022 4:34:03PM

## CONF05 - 4'

E209040-05									
Reporting									
Analyte	Result	Limit	Dilı	ution	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			
Surrogate: Bromofluorobenzene		98.0 %	70-130		09/12/22	09/12/22			
Surrogate: 1,2-Dichloroethane-d4		92.3 %	70-130		09/12/22	09/12/22			
Surrogate: Toluene-d8		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			
Surrogate: Bromofluorobenzene		98.0 %	70-130		09/12/22	09/12/22			
Surrogate: 1,2-Dichloroethane-d4		92.3 %	70-130		09/12/22	09/12/22			
Surrogate: Toluene-d8		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			
Surrogate: n-Nonane		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			



Devon Energy - CarlsbadProject Name:Ross Draw Unit #0146488 7 Rivers HwyProject Number:01058-0007Reported:Artesia NM, 88210Project Manager:Ashley Giovengo9/15/2022 4:34:03PM

### CONF06 - 3' E209040-06

		2207010 00				
Analyte	Result	Reporting Limit	Dilutio	on Prepared	Analyzed	Notes
				nalyst: IY	1 mary zea	Batch: 2238006
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		-	09/12/22	Batch: 2238000
Benzene	ND	0.0250	1	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	
Surrogate: Bromofluorobenzene		98.3 %	70-130	09/12/22	09/12/22	
Surrogate: 1,2-Dichloroethane-d4		92.5 %	70-130	09/12/22	09/12/22	
Surrogate: Toluene-d8		97.2 %	70-130	09/12/22	09/12/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Aı	nalyst: IY		Batch: 2238006
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/12/22	09/12/22	
Surrogate: Bromofluorobenzene		98.3 %	70-130	09/12/22	09/12/22	
Surrogate: 1,2-Dichloroethane-d4		92.5 %	70-130	09/12/22	09/12/22	
Surrogate: Toluene-d8		97.2 %	70-130	09/12/22	09/12/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Aı	nalyst: 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	
Surrogate: n-Nonane		88.8 %	50-200	09/12/22	09/13/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Aı	nalyst: KL		Batch: 2238025
Chloride	ND	20.0	1	09/13/22	09/14/22	



Devon Energy - CarlsbadProject Name:Ross Draw Unit #0146488 7 Rivers HwyProject Number:01058-0007Reported:Artesia NM, 88210Project Manager:Ashley Giovengo9/15/2022 4:34:03PM

### CONF07 - 6' E209040-07

		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2238006
Benzene	ND	0.0250	1	1	09/12/22	09/12/22	
Ethylbenzene	ND	0.0250	1	1	09/12/22	09/12/22	
Toluene	ND	0.0250	1	1	09/12/22	09/12/22	
o-Xylene	ND	0.0250	1	1	09/12/22	09/12/22	
p,m-Xylene	ND	0.0500	1	1	09/12/22	09/12/22	
Total Xylenes	ND	0.0250	1	1	09/12/22	09/12/22	
Surrogate: Bromofluorobenzene		97.7 %	70-130		09/12/22	09/12/22	
Surrogate: 1,2-Dichloroethane-d4		89.0 %	70-130	70-130 09/12		09/12/22	
Surrogate: Toluene-d8		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	1	09/12/22	09/12/22	
Surrogate: Bromofluorobenzene		97.7 %	70-130		09/12/22	09/12/22	
Surrogate: 1,2-Dichloroethane-d4		89.0 %	70-130		09/12/22	09/12/22	
Surrogate: Toluene-d8		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	1	09/12/22	09/14/22	
Oil Range Organics (C28-C36)	ND	50.0	1	1	09/12/22	09/14/22	
Surrogate: n-Nonane		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	



Devon Energy - CarlsbadProject Name:Ross Draw Unit #0146488 7 Rivers HwyProject Number:01058-0007Reported:Artesia NM, 88210Project Manager:Ashley Giovengo9/15/2022 4:34:03PM

#### CONF08 - 5.5'

#### E209040-08

	Reporting									
Analyte	Result	Limit	Dilu	tion	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				
Surrogate: Bromofluorobenzene		96.3 %	70-130		09/12/22	09/12/22				
Surrogate: 1,2-Dichloroethane-d4		89.4 %	70-130		09/12/22	09/12/22				
Surrogate: Toluene-d8		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				
Surrogate: Bromofluorobenzene		96.3 %	70-130		09/12/22	09/12/22				
Surrogate: 1,2-Dichloroethane-d4		89.4 %	70-130		09/12/22	09/12/22				
Surrogate: Toluene-d8		96.8 %	70-130		09/12/22	09/12/22				
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	Л		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				
Surrogate: n-Nonane		92.1 %	50-200		09/12/22	09/14/22				
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2238025			



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	9/15/2022 4:34:03PM

### CONF12 - 2.5'

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		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2238006
Benzene	ND	0.0250	1	1	09/12/22	09/13/22	
Ethylbenzene	ND	0.0250	1	1	09/12/22	09/13/22	
Toluene	ND	0.0250	1	1	09/12/22	09/13/22	
o-Xylene	ND	0.0250	1	1	09/12/22	09/13/22	
p,m-Xylene	ND	0.0500	1	1	09/12/22	09/13/22	
Total Xylenes	ND	0.0250	1	1	09/12/22	09/13/22	
Surrogate: Bromofluorobenzene	·	99.7 %	70-130		09/12/22	09/13/22	
Surrogate: 1,2-Dichloroethane-d4		91.5 %	70-130		09/12/22	09/13/22	
Surrogate: Toluene-d8		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	1	09/12/22	09/13/22	
Surrogate: Bromofluorobenzene		99.7 %	70-130		09/12/22	09/13/22	
Surrogate: 1,2-Dichloroethane-d4		91.5 %	70-130		09/12/22	09/13/22	
Surrogate: Toluene-d8		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	1	09/12/22	09/14/22	
Oil Range Organics (C28-C36)	ND	50.0	1	1	09/12/22	09/14/22	
Surrogate: n-Nonane		85.0 %	50-200		09/12/22	09/14/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2238025
					09/13/22	09/14/22	



Devon Energy - CarlsbadProject Name:Ross Draw Unit #0146488 7 Rivers HwyProject Number:01058-0007Reported:Artesia NM, 88210Project Manager:Ashley Giovengo9/15/2022 4:34:03PM

### CONF15 - 3' E209040-10

		120701010				
Analyte	Result	Reporting Limit	Diluti	ion Prepared	Analyzed	Notes
Analyte		Lillit		1	Allalyzeu	
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	nalyst: 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	
Surrogate: Bromofluorobenzene		96.8 %	70-130	09/12/22	09/13/22	
Surrogate: 1,2-Dichloroethane-d4		89.8 %	70-130	09/12/22	09/13/22	
Surrogate: Toluene-d8		96.6 %	70-130	09/12/22	09/13/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: IY		Batch: 2238006
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/12/22	09/13/22	
Surrogate: Bromofluorobenzene		96.8 %	70-130	09/12/22	09/13/22	
Surrogate: 1,2-Dichloroethane-d4		89.8 %	70-130	09/12/22	09/13/22	
Surrogate: Toluene-d8		96.6 %	70-130	09/12/22	09/13/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	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	
Surrogate: n-Nonane		88.2 %	50-200	09/12/22	09/14/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	analyst: KL		Batch: 2238025
Chloride	ND	20.0	1	09/13/22	09/14/22	



Devon Energy - CarlsbadProject Name:Ross Draw Unit #0146488 7 Rivers HwyProject Number:01058-0007Reported:Artesia NM, 88210Project Manager:Ashley Giovengo9/15/2022 4:34:03PM

### CONF16 - 3'

#### E209040-11

		Reporting					
Analyte	Result	Limit	Dilu	ution	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	<u> </u>	1	09/12/22	09/13/22	
Surrogate: Bromofluorobenzene		97.0 %	70-130		09/12/22	09/13/22	
Surrogate: 1,2-Dichloroethane-d4		89.6 %	70-130		09/12/22	09/13/22	
Surrogate: Toluene-d8		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	
Surrogate: Bromofluorobenzene		97.0 %	70-130		09/12/22	09/13/22	
Surrogate: 1,2-Dichloroethane-d4		89.6 %	70-130		09/12/22	09/13/22	
Surrogate: Toluene-d8		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	
Surrogate: n-Nonane		91.7 %	50-200		09/12/22	09/14/22	
1 I TID 1 200 0/00 T ( )		mg/kg		Analyst:	KL		Batch: 2238025
Anions by EPA 300.0/9056A	mg/kg	mg/kg		1 mary 500			



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	9/15/2022 4:34:03PM

### **CONF17 - 2'**

		E209040-12							
Reporting									
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes		
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2238006		
Benzene	ND	0.0250	1	1	09/12/22	09/13/22			
Ethylbenzene	ND	0.0250	1	1	09/12/22	09/13/22			
Toluene	ND	0.0250	1	1	09/12/22	09/13/22			
o-Xylene	ND	0.0250	1	1	09/12/22	09/13/22			
p,m-Xylene	ND	0.0500	1	1	09/12/22	09/13/22			
Total Xylenes	ND	0.0250	1	1	09/12/22	09/13/22			
Surrogate: Bromofluorobenzene		99.5 %	70-130		09/12/22	09/13/22			
Surrogate: 1,2-Dichloroethane-d4		93.7 %	70-130		09/12/22	09/13/22			
Surrogate: Toluene-d8		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	1	09/12/22	09/13/22			
Surrogate: Bromofluorobenzene		99.5 %	70-130		09/12/22	09/13/22			
Surrogate: 1,2-Dichloroethane-d4		93.7 %	70-130		09/12/22	09/13/22			
Surrogate: Toluene-d8		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	1	09/12/22	09/14/22			
Oil Range Organics (C28-C36)	ND	50.0	1	1	09/12/22	09/14/22			
Surrogate: n-Nonane		94.8 %	50-200		09/12/22	09/14/22			
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2238025		

20.0

1

09/13/22

09/14/22

ND



Chloride

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	9/15/2022 4:34:03PM

### CONF18 - 2' E209040-13

	220701010					
Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
mg/kg	mg/kg	1	Analyst: I	Y		Batch: 2238006
ND	0.0250	1		09/12/22	09/13/22	
ND	0.0250	1		09/12/22	09/13/22	
ND	0.0250	1		09/12/22	09/13/22	
ND	0.0250	1		09/12/22	09/13/22	
ND	0.0500	1		09/12/22	09/13/22	
ND	0.0250	1		09/12/22	09/13/22	
	100 %	70-130		09/12/22	09/13/22	
	96.2 %	70-130		09/12/22	09/13/22	
	98.0 %	70-130		09/12/22	09/13/22	
mg/kg	mg/kg	1	Analyst: I	Y		Batch: 2238006
ND	20.0	1		09/12/22	09/13/22	
	100 %	70-130		09/12/22	09/13/22	
	96.2 %	70-130		09/12/22	09/13/22	
	98.0 %	70-130		09/12/22	09/13/22	
mg/kg	mg/kg	1	Analyst: JI	L		Batch: 2238012
ND	25.0	1		09/12/22	09/14/22	
ND	50.0	1		09/12/22	09/14/22	
	94.8 %	50-200		09/12/22	09/14/22	
mg/kg	mg/kg		Analyst: K	L		Batch: 2238025
ND	20.0	1		09/13/22	09/14/22	
	ND Mg/kg ND Mg/kg	Result         Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           ND         0.0250           I00 %         96.2 %           98.0 %         mg/kg           ND         20.0           100 %         96.2 %           98.0 %         mg/kg           Mg/kg         mg/kg           ND         25.0           ND         50.0           94.8 %         mg/kg           mg/kg         mg/kg	Reporting           Result         Limit         Dilu           mg/kg         mg/kg           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           ND         0.0250         1           100 %         70-130         98.0 %           98.0 %         70-130         98.0 %           MD         20.0         1           100 %         70-130         98.0 %           98.0 %         70-130         98.0 %           mg/kg         mg/kg         ND           ND         25.0         1           ND         50.0         1           94.8 %         50-200           mg/kg         mg/kg	Reporting           Result         Limit         Dilution           mg/kg         mg/kg         Analyst: P           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           ND         0.0250         1           ND         70-130         96.2 %           98.0 %         70-130         70-130           mg/kg         mg/kg         Analyst: P           ND         20.0         1           100 %         70-130         70-130           98.0 %         70-130         70-130           mg/kg         mg/kg         Analyst: JI           ND         25.0         1           ND         50.0         1           94.8 %         50-200           mg/kg         Mg/kg         Analyst: K	Reporting           Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         09/12/22           ND         0.0250         1         09/12/22           ND         0.0250         1         09/12/22           ND         0.0500         1         09/12/22           ND         0.0250         1         09/12/22           ND         0.0250         1         09/12/22           96.2 %         70-130         09/12/22           98.0 %         70-130         09/12/22           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         09/12/22           98.0 %         70-130         09/12/22           98.0 %         70-130         09/12/22           98.0 %         70-130         09/12/22           mg/kg         mg/kg         Analyst: JL           ND         25.0         1         09/12/22           ND         50.0         1         09/12/22           MD         50.0         1         09/12/22           Mg/kg         Mg/kg	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         Malyst: IY           ND         0.0250         1         09/12/22         09/13/22           ND         0.0250         1         09/12/22         09/13/22           ND         0.0250         1         09/12/22         09/13/22           ND         0.0500         1         09/12/22         09/13/22           ND         0.0250         1         09/12/22         09/13/22           ND         0.0250         1         09/12/22         09/13/22           ND         0.0250         1         09/12/22         09/13/22           96.2 %         70-130         09/12/22         09/13/22           96.2 %         70-130         09/12/22         09/13/22           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         09/12/22         09/13/22           96.2 %         70-130         09/12/22         09/13/22           98.0 %         70-130         09/12/22         09/13/22           98.0 %         70-130         09/12/22         09/13/22



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	9/15/2022 4:34:03PM

### **CONF19 - 2'**

#### E209040-14

		Reporting					
Analyte	Result	Limit	Dilut	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	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	
Surrogate: Bromofluorobenzene		98.4 %	70-130		09/12/22	09/13/22	
Surrogate: 1,2-Dichloroethane-d4		95.1 %	70-130		09/12/22	09/13/22	
Surrogate: Toluene-d8		95.7 %	70-130		09/12/22	09/13/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: IY			Batch: 2238006
Gasoline Range Organics (C6-C10)	ND	20.0	1		09/12/22	09/13/22	
Surrogate: Bromofluorobenzene		98.4 %	70-130		09/12/22	09/13/22	
Surrogate: 1,2-Dichloroethane-d4		95.1 %	70-130		09/12/22	09/13/22	
Surrogate: Toluene-d8		95.7 %	70-130		09/12/22	09/13/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	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	
Surrogate: n-Nonane		93.8 %	50-200		09/12/22	09/14/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: KL			Batch: 2238025



## **QC Summary Data**

Devon Energy - Carlsbad Ross Draw Unit #014 Project Name: 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 Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2238006-BLK1) Prepared: 09/12/22 Analyzed: 09/12/22 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 ND 0.0250 Total Xylenes Surrogate: Bromofluorobenzene 0.499 0.500 99.7 70-130 Surrogate: 1,2-Dichloroethane-d4 0.461 0.500 92.1 70-130 0.500 97.8 70-130 Surrogate: Toluene-d8 0.489 LCS (2238006-BS1) Prepared: 09/12/22 Analyzed: 09/12/22 2.14 0.0250 2.50 85.7 70-130 Benzene 2.23 2.50 89.0 70-130 Ethylbenzene 0.0250 2.07 0.0250 2.50 82.7 70-130 70-130 2.27 0.0250 2.50 90.8 o-Xylene 4.45 5.00 89.1 70-130 p,m-Xylene 0.0500 6.72 0.0250 7.50 89.7 70-130 Total Xylenes Surrogate: Bromofluorobenzene 0.520 0.500 104 70-130 0.500 89.8 70-130 Surrogate: 1,2-Dichloroethane-d4 0.449 70-130 Surrogate: Toluene-d8 0.488 0.500 Matrix Spike (2238006-MS1) Source: E209040-04 Prepared: 09/12/22 Analyzed: 09/12/22 2.24 0.0250 2.50 ND 89.7 48-131 45-135 Ethylbenzene 2.34 0.0250 2.50 ND 93.6 48-130 Toluene 2.16 0.0250 2.50 ND 86.6 2.38 0.0250 2.50 ND 95.2 43-135 o-Xylene 4.68 ND 43-135 p,m-Xylene 0.0500 5.00 93.6 Total Xylenes 7.06 0.0250 7.50 ND 94.1 43-135 0.526 0.500 105 70-130 Surrogate: Bromofluorobenzene 0.500 90.1 70-130 Surrogate: 1,2-Dichloroethane-d4 0.451 0.500 70-130 0.489 97.8 Surrogate: Toluene-d8 Matrix Spike Dup (2238006-MSD1) Source: E209040-04 Prepared: 09/12/22 Analyzed: 09/12/22 2.13 0.0250 2.50 ND 85.4 48-131 4.98 23 2.25 0.0250 2.50 ND 45-135 4.05 27 Ethylbenzene ND 48-130 3.72 24 2.09 2.50 83.4 Toluene 0.0250 o-Xylene 2.30 0.0250 2.50 ND 91.8 43-135 3.61 27 4.48 5.00 ND 43-135 4.34 27 89.6 p,m-Xylene 0.0500



27

Total Xylenes

Surrogate: Toluene-d8

Surrogate: Bromofluorobenzene

Surrogate: 1,2-Dichloroethane-d4

6.78

0.534

0.464

0.498

0.0250

7.50

0.500

0.500

0.500

ND

90.3

107

92.8

43-135

70-130

70-130

70-130

4.09

Surrogate: 1,2-Dichloroethane-d4

Surrogate: Toluene-d8

## **QC Summary Data**

Devon Energy - CarlsbadProject Name:Ross Draw Unit #014Reported:6488 7 Rivers HwyProject Number:01058-0007Artesia NM, 88210Project Manager:Ashley Giovengo9/15/2022 4:34:03PM

6488 7 Rivers Hwy		Project Number:		1058-0007					_,
Artesia NM, 88210		Project Manager	:: A	shley Gioveng	50				9/15/2022 4:34:03PI
	Nor	nhalogenated (	Organics	by EPA 80	15D - GI	RO			Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2238006-BLK1)							Prepared: 0	9/12/22	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: 0	9/12/22	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: 0	9/12/22	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: 0	9/12/22	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			

0.500

0.500

0.453

0.490

90.6

97.9

70-130

70-130



## **QC Summary Data**

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

Artesia NM, 88210		Project Manage	r: As	shley Gioveng	go			ç	0/15/2022 4:34:03PM
Nonhalogenated Organics by EPA 8015D - DRO/ORO Analyst: JL									
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2238012-BLK1)							Prepared: 0	9/12/22 An	alyzed: 09/13/22
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	49.5		50.0		99.0	50-200			
LCS (2238012-BS1)							Prepared: 0	9/12/22 An	alyzed: 09/13/22
Diesel Range Organics (C10-C28)	226	25.0	250		90.2	38-132			
Gurrogate: n-Nonane	45.0		50.0		90.1	50-200			
Matrix Spike (2238012-MS1)				Source:	E209042-	04	Prepared: 0	9/12/22 An	alyzed: 09/13/22
Diesel Range Organics (C10-C28)	237	25.0	250	ND	94.7	38-132			
urrogate: n-Nonane	44.1		50.0		88.2	50-200			
Matrix Spike Dup (2238012-MSD1)				Source:	E209042-	04	Prepared: 0	9/12/22 An	alyzed: 09/15/22
Diesel Range Organics (C10-C28)	275	25.0	250	ND	110	38-132	15.1	20	
Gurrogate: n-Nonane	52.0		50.0		104	50-200			



## **QC Summary Data**

Devon Energy - Carlsbad 6488 7 Rivers Hwy		Project Name: Project Number:		Ross Draw Unit 1058-0007	#014				Reported:
Artesia NM, 88210		Project Manager:		Ashley Gioveng	go				9/15/2022 4:34:03PM
		Anions	by EPA	300.0/9056	1				Analyst: KL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2238025-BLK1)							Prepared: 0	9/13/22 <i>A</i>	Analyzed: 09/14/22
Chloride	ND	20.0							
LCS (2238025-BS1)							Prepared: 0	9/13/22 A	Analyzed: 09/14/22
Chloride	257	20.0	250		103	90-110			
Matrix Spike (2238025-MS1)				Source:	E209040-0	)1	Prepared: 0	9/13/22 A	Analyzed: 09/14/22
Chloride	275	20.0	250	ND	110	80-120			
Matrix Spike Dup (2238025-MSD1)				Source:	E209040-0	)1	Prepared: 0	9/13/22 A	Analyzed: 09/14/22
Chloride	275	20.0	250	ND	110	80-120	0.281	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	09/15/22 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.



Project: Ross Draw Unit #014

Address: 1224 Standpipe Rd

Phone: 505-382-1211

Sampled

9/7/22

9/7/22

9/7/22

9/7/22

9/7/22

9/7/22

9/7/22

9/7/22

9/7/22

9/7/22

roject Manager: Ashley Giovengo

City, State, Zip: Carlsbad, NM 88220

mail: ashley.giovengo@wescominc.com

Matrix

Soil

No. of

Containers

1 Jar

Sample ID

Client: Devon

Report due by: Time

Sampled

11:23

11:21

11:26

11:57

11:57

12:00

13:55

13:55

14:20

14:46

Bill To

Attention: Jim Raley

Phone: 575-689-7597

CONF01 - 2'

CONF02 - 5'

CONF03 - 5'

CONF04 - 4'

CONF05 - 4'

CONF06 - 3'

CONF07 - 6'

CONF08 - 5.5'

CONF12 - 2.5'

CONF15 - 3'

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.

Email: jim.raley@dvn.com

Address: 5315 Buena Vista Dr

City, State, Zip: Calsbad, NM 88220

Only			TA	T		EF	A Pr	ogra	m
ob Number	1D	D 2D 3		Standard		Page of  EPA Program  CWA SDWA  RCRA  State  UT AZ TX  Remarks			
01058-0007				X					
nalysis and Metho	d	1						RC	RA
					- 6	Sta	ıto.		_
0.0				NM	СО	UT	AZ	TX	
e 300	ΣZ	¥		×					
Metals 6010 Chloride 300.0	BGDOC	верос				Rem	arks		
	х								
	x								
	х								
	х								
	х								
	x								
	х								
	x								
	х								
	х								

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

I, (field sampler), attest to the validity a date or time of collection is considered		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.						
Relinguished by: (Signature) Relinguished by: (Signature)	Date 09/08/	72 7:06 pm 7:06 pm	Received by Sperature	Pare 8-2 2 Pate 9/12/22	Time 12'0 8'34	Received on ice:	Lab Use Only  O/ N  T2	ТЗ
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	AVG Temp °C	4	
Sample Matrix: S - Soil, Sd - Solid, Sg - Sl	O - Other		Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA					



Lab Use Only

Lab WO# E 209040

BTEX by 8021 VOC by 8260 Metals 6010

DRO/ORO by 8015 GRO/DRO by 8015

Lab

Number

2

6

ron the report.

Conclined enterports. The report for the analysis of the above ron the report.

Project: Ross Draw Unit #014

Address: 1224 Standpipe Rd

Phone: 505-382-1211

Sampled

9/7/22

9/7/22

9/7/22

9/7/22

Project Manager: Ashley Giovengo

City, State, Zip: Carlsbad, NM 88220

mail: ashley.giovengo@wescominc.com

Matrix

Soil

Soil

Soil

Soil

No. of

Containers

1 Jar

1 Jar

1 Jar

1 Jar

Sample ID

Client: Devon

Report due by:

Time

Sampled

11:23

11:21

11:26

11:57

Lab

Number

Bill To

Attention: Jim Raley

Phone: 575-689-7597

CONF16 - 3'

CONF17 - 2'

CONF18 - 2'

CONF19 - 2'

Email: jim.raley@dvn.com

Address: 5315 Buena Vista Dr

City, State, Zip: Calsbad, NM 88220

TAT

Standard

NM CO

3D

1D 2D

BGDOC

X

X

X

X

CV	PA Pr	ogra SD	m WA
			RA
Sta		TV	
JT	AZ	TX	
Rem	arks		
			Ī

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 tamp ring with or intentionally mislabelling the sample location, 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. date or time of collection is considered fraud and may be grounds for legal action Relinquished by: (Signature) Lab Use Only 17:010 0m Received on ice: Relinquished by: (Signature Relinquished by: (Signature) Received by: (Signature) AVG Temp °C 4 Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other

Note: Samples are discarded 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.



Lab Use Only

Metals 6010

Job Number

01058-0007

Analysis and Method

Lab WO#

F2.09040

GRO/DRO by 8015 DRO/ORO by 8015

@ envirotech

envirotech Inc.

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

### **Envirotech Analytical Laboratory**

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 (	9:17	]	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 th	ne sample ID match the COC?		Yes				
2. Does th	ne number of samples per sampling site location ma	tch the COC	Yes				
3. Were s	amples dropped off by client or carrier?		Yes	Carrier: Co	<u>ourier</u>		
4. Was the	e COC complete, i.e., signatures, dates/times, reque	sted analyses?	Yes				
5. Were a	Il samples received within holding time? Note: Analysis, such as pH which should be conducted i i.e, 15 minute hold time, are not included in this disucssi	•	Yes			Comments	s/Resolution
Sample T	Turn Around Time (TAT)			Г			
	e COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C	<u>Cooler</u>						
7. Was a s	sample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was the	e 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 th	e sample received on ice? If yes, the recorded temp is 4°C Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	re received w/i 15	Yes				
	Container _	· · · · · · <u>—</u>	_				
	queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers	?	Yes				
	appropriate volume/weight or number of sample contai		Yes				
Field Lal	• • • • • • • • • • • • • • • • • • • •						
	field sample labels filled out with the minimum info	ormation:					
	ample ID?		Yes				
D	ate/Time Collected?		Yes	L			
C	ollectors name?		No				
	<u>Preservation</u>						
	the COC or field labels indicate the samples were p	reserved?	No				
	ample(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved r	netals?	No				
	se Sample Matrix						
26. Does	the sample have more than one phase, i.e., multipha	ise?	No				
27. If yes	, does the COC specify which phase(s) is to be analy	yzed?	NA				
Subcontr	act Laboratory						
28. Are sa	amples required to get sent to a subcontract laborate	ory?	No				
29. Was a	subcontract laboratory specified by the client and i	f so who?	NA	Subcontract Lab:	na		
Client Ir	<u>istruction</u>						
<u> </u>							

Page 27 of 27

Date

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

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





# envirotech

Practical Solutions for a Better Tomorrow

## **Analytical Report**

Devon Energy - Carlsbad

Project Name: 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

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: 9/19/22

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 reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881

Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

**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

ljarboe@envirotech-inc.com

West Texas Midland/Odessa Area Rayny Hagan Technical Representative

Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

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#### **Sample Summary**

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

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.

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	9/19/2022 4:06:43PM

#### CONF20 - 2' E209051-01

		E207031-01					
Analyte	Result	Reporting Limit		ution	Prepared	Analyzed	Notes
Analyte	Result	Lillit	DII	ution	Frepared	Anaiyzeu	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	
Surrogate: Bromofluorobenzene		96.8 %	70-130		09/14/22	09/14/22	
Surrogate: 1,2-Dichloroethane-d4		90.2 %	70-130		09/14/22	09/14/22	
Surrogate: Toluene-d8		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	
Surrogate: Bromofluorobenzene		96.8 %	70-130		09/14/22	09/14/22	
Surrogate: 1,2-Dichloroethane-d4		90.2 %	70-130		09/14/22	09/14/22	
Surrogate: Toluene-d8		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	
Surrogate: n-Nonane		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	



Devon Energy - CarlsbadProject Name:Ross Draw Unit #0146488 7 Rivers HwyProject Number:01058-0007Reported:Artesia NM, 88210Project Manager:Ashley Giovengo9/19/2022 4:06:43PM

#### CONF21 - 7' E209051-02

		E209031-02					
		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst: RK	KS .		Batch: 2238034
Benzene	ND	0.0250	1	l	09/14/22	09/14/22	
Ethylbenzene	ND	0.0250	1	l	09/14/22	09/14/22	
Toluene	ND	0.0250	1	l	09/14/22	09/14/22	
o-Xylene	ND	0.0250	1	l	09/14/22	09/14/22	
p,m-Xylene	ND	0.0500	1	l	09/14/22	09/14/22	
Total Xylenes	ND	0.0250	1	Į	09/14/22	09/14/22	
Surrogate: Bromofluorobenzene		96.9 %	70-130		09/14/22	09/14/22	
Surrogate: 1,2-Dichloroethane-d4		89.0 %	70-130		09/14/22	09/14/22	
Surrogate: Toluene-d8		95.2 %	70-130		09/14/22	09/14/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: RK	KS .		Batch: 2238034
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	09/14/22	09/14/22	
Surrogate: Bromofluorobenzene		96.9 %	70-130		09/14/22	09/14/22	
Surrogate: 1,2-Dichloroethane-d4		89.0 %	70-130		09/14/22	09/14/22	
Surrogate: Toluene-d8		95.2 %	70-130		09/14/22	09/14/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: JL			Batch: 2238022
Diesel Range Organics (C10-C28)	ND	25.0	1	1	09/14/22	09/14/22	
Oil Range Organics (C28-C36)	ND	50.0	1	l	09/14/22	09/14/22	
Surrogate: n-Nonane		81.0 %	50-200		09/14/22	09/14/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: KL	_		Batch: 2238040
Chloride	ND	20.0	1	1	09/14/22	09/14/22	



Devon Energy - CarlsbadProject Name:Ross Draw Unit #0146488 7 Rivers HwyProject Number:01058-0007Reported:Artesia NM, 88210Project Manager:Ashley Giovengo9/19/2022 4:06:43PM

#### CONF22 - 7' E209051-03

		E207031-03					
Andre	D14	Reporting		4i B		A l	N-4
Analyte	Result	Limit	Dilu	tion Prep	pared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst: RKS			Batch: 2238034
Benzene	ND	0.0250	1	09/1	14/22	09/14/22	
Ethylbenzene	ND	0.0250	1	09/1	14/22	09/14/22	
Toluene	ND	0.0250	1	09/1	14/22	09/14/22	
o-Xylene	ND	0.0250	1	09/1	14/22	09/14/22	
p,m-Xylene	ND	0.0500	1	09/1	14/22	09/14/22	
Total Xylenes	ND	0.0250	1	09/1	14/22	09/14/22	
Surrogate: Bromofluorobenzene	·	99.3 %	70-130	09/1	14/22	09/14/22	
Surrogate: 1,2-Dichloroethane-d4		90.6 %	70-130	09/1	14/22	09/14/22	
Surrogate: Toluene-d8		96.6 %	70-130	09/1	14/22	09/14/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: RKS			Batch: 2238034
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/1	14/22	09/14/22	
Surrogate: Bromofluorobenzene		99.3 %	70-130	09/1	14/22	09/14/22	
Surrogate: 1,2-Dichloroethane-d4		90.6 %	70-130	09/1	14/22	09/14/22	
Surrogate: Toluene-d8		96.6 %	70-130	09/1	14/22	09/14/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: JL			Batch: 2238022
Diesel Range Organics (C10-C28)	ND	25.0	1	09/1	14/22	09/14/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/1	14/22	09/14/22	
Surrogate: n-Nonane		82.3 %	50-200	09/1	14/22	09/14/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL			Batch: 2238040
Chloride	ND	20.0	1	09/1	14/22	09/14/22	
Chloride	ND	20.0	1	09/1	14/22	09/14/22	



Devon Energy - CarlsbadProject Name:Ross Draw Unit #0146488 7 Rivers HwyProject Number:01058-0007Reported:Artesia NM, 88210Project Manager:Ashley Giovengo9/19/2022 4:06:43PM

#### CONF23 - 3'

E209051-04									
Reporting									
Analyte	Result	Limit	Dil	ution	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			
Surrogate: Bromofluorobenzene		94.9 %	70-130		09/14/22	09/14/22			
Surrogate: 1,2-Dichloroethane-d4		90.2 %	70-130		09/14/22	09/14/22			
Surrogate: Toluene-d8		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			
Surrogate: Bromofluorobenzene		94.9 %	70-130		09/14/22	09/14/22			
Surrogate: 1,2-Dichloroethane-d4		90.2 %	70-130		09/14/22	09/14/22			
Surrogate: Toluene-d8		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			
Surrogate: n-Nonane		86.1 %	50-200		09/14/22	09/14/22			
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2238040		

20.0

1

09/14/22

09/14/22

ND



Chloride

Devon Energy - CarlsbadProject Name:Ross Draw Unit #0146488 7 Rivers HwyProject Number:01058-0007Reported:Artesia NM, 88210Project Manager:Ashley Giovengo9/19/2022 4:06:43PM

#### CONF24 - 3'

#### E209051-05 Reporting Analyte Limit Dilution Analyzed Result Prepared Notes Analyst: RKS Batch: 2238034 mg/kg mg/kg Volatile Organic Compounds by EPA 8260B 09/14/22 09/14/22 ND 0.0250 Benzene 1 09/14/22 09/14/22 Ethylbenzene ND 0.0250 ND 0.0250 1 09/14/22 09/14/22 Toluene 09/14/22 1 09/14/22 o-Xylene ND 0.0250 09/14/22 09/14/22 ND 0.0500 1 p,m-Xylene 09/14/22 09/14/22 1 Total Xylenes ND 0.0250 09/14/22 98.7 % 09/14/22 Surrogate: Bromofluorobenzene 70-130 09/14/22 Surrogate: 1,2-Dichloroethane-d4 91.3 % 70-130 09/14/22 Surrogate: Toluene-d8 96.8 % 70-130 09/14/22 09/14/22 Nonhalogenated Organics by EPA 8015D - GRO mg/kg mg/kg Analyst: RKS Batch: 2238034 ND 1 09/14/22 09/14/22 20.0 Gasoline Range Organics (C6-C10) Surrogate: Bromofluorobenzene 98.7 % 09/14/22 09/14/22 70-130 09/14/22 Surrogate: 1,2-Dichloroethane-d4 91.3 % 70-130 09/14/22 Surrogate: Toluene-d8 09/14/22 09/14/22 96.8 % 70-130 mg/kg Analyst: JL Batch: 2238022 mg/kg Nonhalogenated Organics by EPA 8015D - DRO/ORO 09/14/22 09/14/22 ND 25.0 1 Diesel Range Organics (C10-C28) ND 50.0 1 09/14/22 09/14/22 Oil Range Organics (C28-C36) 85.9 % 50-200 09/14/22 09/14/22 Surrogate: n-Nonane Anions by EPA 300.0/9056A mg/kg mg/kg Analyst: KL Batch: 2238040

20.0

ND

1

09/14/22

09/14/22



Chloride

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	9/19/2022 4:06:43PM

#### **CONF25 - 2.5'**

E209051-06										
Reporting										
Analyte	Result	Limit	Dilı	ution	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				
Surrogate: Bromofluorobenzene		96.0 %	70-130		09/14/22	09/14/22				
Surrogate: 1,2-Dichloroethane-d4		88.7 %	70-130		09/14/22	09/14/22				
Surrogate: Toluene-d8		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				
Surrogate: Bromofluorobenzene		96.0 %	70-130		09/14/22	09/14/22				
Surrogate: 1,2-Dichloroethane-d4		88.7 %	70-130		09/14/22	09/14/22				
Surrogate: Toluene-d8		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				
Surrogate: n-Nonane		86.5 %	50-200		09/14/22	09/14/22				
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	KL		Batch: 2238040			

20.0

09/14/22

09/14/22

ND



Chloride

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	9/19/2022 4:06:43PM

#### **CONF26 - 1.5'**

		E209051-07				
		Reporting				
Analyte	Result	Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	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	
Surrogate: Bromofluorobenzene		99.2 %	70-130	09/14/22	09/14/22	
Surrogate: 1,2-Dichloroethane-d4		90.6 %	70-130	09/14/22	09/14/22	
Surrogate: Toluene-d8		94.8 %	70-130	09/14/22	09/14/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Α	Analyst: RKS		Batch: 2238034
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/14/22	09/14/22	
Surrogate: Bromofluorobenzene		99.2 %	70-130	09/14/22	09/14/22	
Surrogate: 1,2-Dichloroethane-d4		90.6 %	70-130	09/14/22	09/14/22	
Surrogate: Toluene-d8		94.8 %	70-130	09/14/22	09/14/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	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	
Surrogate: n-Nonane		81.5 %	50-200	09/14/22	09/14/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: KL		Batch: 2238040
Chloride	ND	20.0	1	09/14/22	09/14/22	



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	9/19/2022 4:06:43PM

#### BG01 - 1' E209051-08

		E207031-00					
Analyte	Result	Reporting Limit	Dib	ution	Prepared	Analyzed	Notes
Analyte	Kesun	Limit	ווע	utiOII	Frepareu	Anaryzed	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	
Surrogate: Bromofluorobenzene		98.1 %	70-130		09/14/22	09/14/22	
Surrogate: 1,2-Dichloroethane-d4		95.0 %	70-130		09/14/22	09/14/22	
Surrogate: Toluene-d8		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	
Surrogate: Bromofluorobenzene		98.1 %	70-130		09/14/22	09/14/22	
Surrogate: 1,2-Dichloroethane-d4		95.0 %	70-130		09/14/22	09/14/22	
Surrogate: Toluene-d8		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	
Surrogate: n-Nonane	·	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	



Devon Energy - Carlsbad Ross Draw Unit #014 Project Name: 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 Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2238034-BLK1) Prepared: 09/13/22 Analyzed: 09/14/22 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 ND 0.0250 Total Xylenes Surrogate: Bromofluorobenzene 0.505 0.500 101 70-130 Surrogate: 1,2-Dichloroethane-d4 0.464 0.500 92.8 70-130 0.500 97.4 70-130 Surrogate: Toluene-d8 0.487 LCS (2238034-BS1) Prepared: 09/13/22 Analyzed: 09/14/22 2.08 0.0250 2.50 83.3 70-130 Benzene 2.50 70-130 2.11 84.6 Ethylbenzene 0.0250 1.97 0.0250 2.50 79.0 70-130 70-130 2.16 0.0250 2.50 86.3 o-Xylene 4.20 5.00 84.1 70-130 p,m-Xylene 0.0500 6.36 0.0250 7.50 84.8 70-130 Total Xylenes Surrogate: Bromofluorobenzene 0.521 0.500 104 70-130 0.500 92.8 70-130 Surrogate: 1,2-Dichloroethane-d4 0.464 70-130 Surrogate: Toluene-d8 0.484 0.500 Matrix Spike (2238034-MS1) Source: E209051-05 Prepared: 09/13/22 Analyzed: 09/14/22 2.07 0.0250 2.50 ND 82.8 48-131 45-135 Ethylbenzene 2.15 0.0250 2.50 ND 86.0 48-130 Toluene 1.99 0.0250 2.50 ND 79.8 2.23 0.0250 2.50 ND 89.1 43-135 o-Xylene 4.31 ND 86.2 43-135 p,m-Xylene 0.0500 5.00 Total Xylenes 6.53 0.0250 7.50 ND 87.1 43-135 Surrogate: Bromofluorobenzene 0.527 0.500 105 70-130 0.500 91.5 70-130 Surrogate: 1,2-Dichloroethane-d4 0.458 0.500 70-130 0.484 96.8 Surrogate: Toluene-d8 Matrix Spike Dup (2238034-MSD1) Source: E209051-05 Prepared: 09/13/22 Analyzed: 09/14/22 2.17 0.0250 2.50 ND 86.6 48-131 4.56 23 2.26 0.0250 2.50 ND 90.4 45-135 4.97 27 Ethylbenzene ND 84.2 48-130 5.37 24 2.10 2.50 Toluene 0.0250



2.31

4.49

6.80

0.511

0.449

0.486

0.0250

0.0500

0.0250

2.50

5.00

7.50

0.500

0.500

0.500

ND

ND

ND

92.4

89.8

90.7

102

89.7

97.2

43-135

43-135

43-135

70-130

70-130

70-130

3.64

4.17

3.99

27

27

27

o-Xylene

p,m-Xylene

Total Xylenes

Surrogate: Toluene-d8

Surrogate: Bromofluorobenzene

Surrogate: 1,2-Dichloroethane-d4

Surrogate: 1,2-Dichloroethane-d4

Surrogate: Toluene-d8

### **QC Summary Data**

Devon Energy - CarlsbadProject Name:Ross Draw Unit #014Reported:6488 7 Rivers HwyProject Number:01058-0007Artesia NM, 88210Project Manager:Ashley Giovengo9/19/2022 4:06:43PM

6488 / Rivers Hwy		Project Number		058-0007					9/19/2022 4:06:43PM
Artesia NM, 88210		Project Manage	r: As	shley Gioveng	go				9/19/2022 4:06:43PN
	Nor	nhalogenated	Organics	by EPA 80	15D - Gl	RO			Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2238034-BLK1)							Prepared: 09	9/13/22 A	nalyzed: 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	9/13/22 A	nalyzed: 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	9/13/22 A	nalyzed: 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	9/13/22 A	nalyzed: 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			

0.500

0.500

0.445

0.483

89.0

96.6

70-130

70-130

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

Artesia NM, 88210		Project Manage	r: As	hley Gioveng	go			9	0/19/2022 4:06:43PM
	Nonha	logenated Or	ganics by	EPA 8015I	) - DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2238022-BLK1)							Prepared: 0	9/14/22 An	alyzed: 09/14/22
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	40.7		50.0		81.3	50-200			
LCS (2238022-BS1)							Prepared: 0	9/14/22 An	alyzed: 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: 0	9/14/22 An	alyzed: 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: 0	9/14/22 An	alyzed: 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			



Devon Energy - Carlsbad 6488 7 Rivers Hwy		Project Name: Project Number:		oss Draw Unit	t #014				Reported:
Artesia NM, 88210		Project Manager	: A	shley Gioveng	go				9/19/2022 4:06:43PM
		Anions	by EPA	300.0/9056 <i>A</i>	4				Analyst: KL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2238040-BLK1)							Prepared: 0	9/14/22 A	nalyzed: 09/14/22
Chloride	ND	20.0							
LCS (2238040-BS1)							Prepared: 0	9/14/22 A	nalyzed: 09/14/22
Chloride	251	20.0	250		100	90-110			
Matrix Spike (2238040-MS1)				Source:	E209047-	01	Prepared: 0	9/14/22 A	nalyzed: 09/14/22
Chloride	251	20.0	250	ND	101	80-120			
Matrix Spike Dup (2238040-MSD1)				Source:	E209047-	01	Prepared: 0	9/14/22 A	nalyzed: 09/14/22
Chloride	254	20.0	250	ND	101	80-120	0.966	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**

Γ	Devon Energy - Carlsbad	Project Name:	Ross Draw Unit #014	
l	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:	Dev	on			Bi	II To				La	b Us	e Onl	ly				TA	T	EPA P	rogram
				+#014	Attention: Jim			Lab	WO#			Job N	Numb	er	1D	2D	3D	Standard	CWA	SDWA
	lanager:				Address: 5 3 1 5 1			Eá	205	रेट्				-000				X		
Address:	1224	5 dain	dpipa	0000	City, State, Zip Carls							Analy	sis and	Metho	od	1				RCRA
City, Stat	5 0 5	262	12.11	88220	Phone: 5 7 5															
-				ez co miac . (0)	Email: jim, ral.	eyeravn	, (om	8015	3015									NINAL CC	State	T TV
Report d		91000	9000	(7(011)11. (3)				DRO/ORO by 8015	GRO/DRO by 8015	8021	260	010	300.0		Σ×	×		X	UT AZ	IX
Time	Date		No. of	Maria Maria			Lab	/ORC	/DRC	by 8	by 8	Metals 6010	ride			1000		1		
Sampled	Sampled	Matrix	Containers	Sample ID			Number	DRO	GRO	BTEX by 8	VOC by 8260	Meta	Chloride		верос	BGDOC			Remarks	
10:28	9/9/22	Soil	1 Jan	CONF	20 - 2'		1								X					
10:27			100	CONFZ			2								X					
10:31				COVF2			3								K					
10:38	9/9			CONF	3 - 3'		4								X					
10:40	9/9	50:1	1 Jan	CONFI	24 - 3'		5								X					
10:43	9/9	Soil	1 Jar	CONF2	5 - 2.5'		6								X					
20:52	9/1		1.7	CONF2			7								+					
9:54	-	Soil	1 Jar	B 601	- 1'		8								X					
6 d d'ai	()		21		1 1 1 1 2 1 1	. 5	c h	ļ.,												
K & K	+ on	ions: 1	reas	e CC; cole	burtono wes co	min E.com	914	1 av	arvi	ester	,00	we.	5(0)	con	.(0	in	m			
I, (field samp	oler), attest to	the validity		icity of this sample. I a	m aware that tamped in will or int	4	ig the sample	e locatio	on,	00	(19							eived on ice the day	San San San	ed or received
	ed by: (Signa		Date	Time			Øate //	A Balance	Time	. > 1	11						se On		-,-	
1 - Be				132 311	Reseived by Biggatu	T'	7-12	0	3	3: 6	7	Rece	ived (	on ice:				Y		
	d by: (Sign	ture)	Date	Las Time	Received by: (Signatu	irel	Pate	2-	Time	2	-	,,,,,,	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	311 1001	(	,				
	VV	0	91	1			4/15/2	~	10	·de	>	<u>T1</u>			T2			T3		
Relinquishe	ed by: (Signa	iture)	Date	Time	Received by: (Signatu	ire)	Date		Time			1		1	1					4
								4				AVG			1_					
				queous, O - Other			Containe	r Type	e: g - g	glass, į	<b>p</b> - po	oly/pla	astic, a	ig - amb	er gla	55, V -	VOA			
					nless other arrangements are m							dispos	sed of a	at the clie	ent exp	ense.	The r	eport for the an	alysis of the	above

envirotech Inc.

Printed: 9/13/2022 10:58:35AM

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

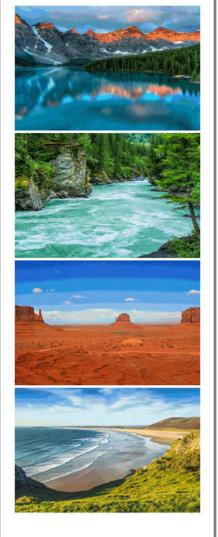
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

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)						
	e sample ID match the COC?		Yes				
	ne number of samples per sampling site location man	tch the COC	Yes				
	amples dropped off by client or carrier?		Yes	Carrier: <u>U</u>	<u>JPS</u>		
	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes				
5. Were al	Il samples received within holding time?  Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion.	•	Yes			Comments	s/Resolution
Sample T	urn Around Time (TAT)						
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C	<u>Cooler</u>						
	ample cooler received?		Yes				
8. If yes, v	was cooler received in good condition?		Yes				
9. Was the	e 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				
	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes C				
Sample C		- F	_				
	queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers'	9	Yes				
	appropriate volume/weight or number of sample contain		Yes				
Field Lab	• • • • • • • • • • • • • • • • • • • •	ners conceteu:	103				
-	field sample labels filled out with the minimum info	rmation:					
	ample ID?	mation.	Yes				
	ate/Time Collected?		Yes	L			
	ollectors name?		No				
Sample P	<u>reservation</u>						
21. Does t	the COC or field labels indicate the samples were pr	reserved?	No				
22. Are sa	imple(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved n	netals?	No				
Multipha	se Sample Matrix						
	the sample have more than one phase, i.e., multipha	se?	No				
	does the COC specify which phase(s) is to be analy		NA				
		,					
-	act Laboratory	0	NI.				
	imples required to get sent to a subcontract laborato	-	No NA	01 4 47 1			
29. was a	subcontract laboratory specified by the client and in	i so who?	NA	Subcontract Lab	o: na		
Client In	<u>struction</u>						

Date

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

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





# envirotech

Practical Solutions for a Better Tomorrow

## **Analytical Report**

Devon Energy - Carlsbad

Project Name: 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

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 reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

Walter Hinchman

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Cell: 775-287-1762

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ljarboe@envirotech-inc.com

West Texas Midland/Odessa Area Rayny Hagan

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

Envirotech Web Address: www.envirotech-inc.com

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### Sample Summary

Devon Energy - Carlsbad	Project Name:	Ross Draw Unit #014	Donoutoda
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	09/20/22 14:20

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'	F209063-05A Soil	09/12/22	09/14/22	Glass Jar. 4 oz.



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	9/20/2022 2:20:18PM

#### CONF27-4' E209063-01

		E209063-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	
o,m-Xylene	ND	0.0500	1	09/15/22	09/17/22	
Total Xylenes	ND	0.0250	1	09/15/22	09/17/22	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	09/15/22	09/17/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2238068
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/22	09/17/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		81.4 %	70-130	09/15/22	09/17/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2238082
Diesel Range Organics (C10-C28)	ND	25.0	1	09/19/22	09/19/22	
Dil Range Organics (C28-C36)	ND	50.0	1	09/19/22	09/19/22	
Surrogate: n-Nonane		78.8 %	50-200	09/19/22	09/19/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2239002
Chloride	194	40.0	2	09/18/22	09/20/22	



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	9/20/2022 2:20:18PM

#### CONF28-4.5'

#### E209063-02

		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Aı	nalyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	09/15/22	09/17/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Aı	Analyst: RKS		Batch: 2238068
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/22	09/17/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		82.2 %	70-130	09/15/22	09/17/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Aı	nalyst: 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	
Surrogate: n-Nonane		80.1 %	50-200	09/19/22	09/19/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Aı	nalyst: RAS		Batch: 2239002
Chloride	48.7	20.0	1	09/18/22	09/20/22	



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	9/20/2022 2:20:18PM

#### CONF29-4.5'

#### E209063-03

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	rst: 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	
Surrogate: 4-Bromochlorobenzene-PID		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	
Surrogate: 1-Chloro-4-fluorobenzene-FID		79.5 %	70-130	09/15/22	09/17/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	rst: 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	
Surrogate: n-Nonane		78.4 %	50-200	09/19/22	09/20/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	rst: RAS		Batch: 2239002
Chloride	ND	200	10	09/18/22	09/20/22	



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	9/20/2022 2:20:18PM

#### CONF30-4.5'

#### E209063-04

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ar	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		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	
Surrogate: 1-Chloro-4-fluorobenzene-FID		79.9 %	70-130	09/15/22	09/17/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ar	alyst: 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	
Surrogate: n-Nonane		79.8 %	50-200	09/19/22	09/20/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ar	alyst: RAS		Batch: 2239002
Chloride	88.6	20.0	1	09/18/22	09/20/22	•



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	9/20/2022 2:20:18PM

#### CONF31-8'

		E209063-05				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	09/15/22	09/17/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: RKS		Batch: 2238068
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/22	09/17/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		80.9 %	70-130	09/15/22	09/17/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: 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	
Surrogate: n-Nonane		80.1 %	50-200	09/19/22	09/20/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: RAS		Batch: 2239002
Chloride	ND	40.0	2	09/18/22	09/20/22	·



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	9/20/2022 2:20:18PM

Artesia NM, 88210		Project Number: Project Manager:		shley Gioveng	o				9/20/2022 2:20:18PM
		Volatile O	rganics b	oy EPA 802	1B				Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2238068-BLK1)						]	Prepared: 0	9/15/22 A	nalyzed: 09/17/22
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
-Xylene	ND	0.0250							
,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: 0	9/15/22 A	nalyzed: 09/17/22
Benzene	5.24	0.0250	5.00		105	70-130			
Ethylbenzene	4.39	0.0250	5.00		87.8	70-130			
Coluene	4.63	0.0250	5.00		92.7	70-130			
-Xylene	4.47	0.0250	5.00		89.4	70-130			
o,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: 0	9/15/22 A	nalyzed: 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	
Coluene	4.67	0.0250	5.00		93.3	70-130	0.712	20	
-Xylene	4.50	0.0250	5.00		89.9	70-130	0.567	20	
o,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

Devon Energy - CarlsbadProject Name:Ross Draw Unit #014Reported:6488 7 Rivers HwyProject Number:01058-0007Artesia NM, 88210Project Manager:Ashley Giovengo9/20/20222:20:18PM

Nonhalogenated Organics	by EPA 8015D - GRO
-------------------------	--------------------

Analyst: RKS

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

Blank (2238068-BLK1)						Prepared: 0	9/15/22	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: 0	9/15/22	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: 0	9/15/22	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			



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	9/20/2022 2:20:18PM

Artesia NM, 88210		Project Manage	r: As	shley Gioveng	go			!	9/20/2022 2:20:18PM
	Nonha	logenated Or	ganics by	EPA 8015I	D - DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2238082-BLK1)							Prepared: 0	9/19/22 Ar	nalyzed: 09/19/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	38.0		50.0		76.0	50-200			
LCS (2238082-BS1)							Prepared: 0	9/19/22 Ar	nalyzed: 09/19/22
Diesel Range Organics (C10-C28)	236	25.0	250		94.3	38-132			
Surrogate: n-Nonane	39.9		50.0		79.8	50-200			
Matrix Spike (2238082-MS1)				Source:	E209063-	03	Prepared: 0	9/19/22 Ar	nalyzed: 09/19/22
Diesel Range Organics (C10-C28)	233	25.0	250	ND	93.0	38-132			
Surrogate: n-Nonane	41.6		50.0		83.3	50-200			
Matrix Spike Dup (2238082-MSD1)				Source:	E209063-	03	Prepared: 0	9/19/22 Ar	nalyzed: 09/19/22
Diesel Range Organics (C10-C28)	239	25.0	250	ND	95.7	38-132	2.82	20	
Surrogate: n-Nonane	38.9		50.0		77.8	50-200			



Devon Energy - Carlsbad 6488 7 Rivers Hwy		Project Name: Project Number:		oss Draw Unit 1058-0007	#014				Reported:
Artesia NM, 88210	Artesia NM, 88210 Project Manager: Ashley Giovengo								9/20/2022 2:20:18PM
		Anions l	by EPA	300.0/9056	١				Analyst: RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2239002-BLK1)							Prepared: 0	9/18/22 <i>F</i>	Analyzed: 09/19/22
Chloride	ND	20.0							
LCS (2239002-BS1)							Prepared: 0	9/18/22 <i>A</i>	Analyzed: 09/20/22
Chloride	250	20.0	250		100	90-110			
Matrix Spike (2239002-MS1)				Source:	E209063-0	)1	Prepared: 0	9/18/22 <i>A</i>	Analyzed: 09/20/22
Chloride	401	40.0	250	194	82.8	80-120			
Matrix Spike Dup (2239002-MSD1)				Source:	E209063-0	)1	Prepared: 0	9/18/22 <i>A</i>	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

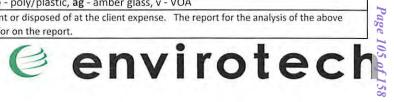
Note (1): Methods marked with \*\* are non-accredited methods.

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



Page	1	of	1

Client:	Devon					Bill To	0			L	ab Us	se Onl	ly				TA	T	EPA	Program	
	Ross Drav	v Unit #0	14		At	tention: Jim Raley		Lab	OW C	#	_	Job N	-	ber	1D	2D	3D	Standard	- 5	SDWA	
	Manager:					dress: 5315 Buena Vis	sta Dr	F	200	NE	03	FOCULARIES.	100000	F0007				Х			
Address:	1224 St	andpipe	Rd		Ci	ty, State, Zip: Calsbad,	NM 88220		<b>11</b>					nd Method						RCRA	
City, Sta	te, Zip: Ca	ırlsbad, N	IM 88220	V	Ph	none: 575-689-7597															
Phone:	505-382	2-1211			Er	Email: jim.raley@dvn.com					State										
mail:	ashley.gio	vengo@	wescomir	nc.com				by 80	y 80	T T	0		0.0		5			NM C	NM CO UT AZ TX		
Report d	lue by:							30 b	30 b	8021	826	6010	e 30		Σ×	¥		×	×		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID			Lab Numb	DRO/ORO	GRO/DRO by	BTEX by	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC	верос			Remark	S	
11:22	9/12/22	Soil	1 Jar			CONF27 - 4'	1								х						
13:05	9/12/22	Soil	1 Jar			CONF28 - 4.5'	2								х						
13:07	9/12/22	Soil	1 Jar			CONF29 - 4.5'	3								х						
13:33	9/12/22	Soil	1 Jar			CONF30 - 4.5'	4								х						
16:23	9/12/22	Soil	1 Jar			CONF31 - 8'	5								х						
-																					
																Ī					
Addition	nal Instruc	tions: k	l Kept on ic	e, Please Co	C: cole.bur	ton@wescominc.com,	shar.harvester@v	escon	ninc.	com,	jim.r	aley@	odvr	n.com, as	hley.	.giov	engo(	@wescomir	ic.com		
				icity of this samp		e that tampening with or intention.  Sampled by:	onally mislabelling the san	ple loca	tion,			100						ceived on ice the o	The second second	pled or received	
Relinquish			LRA-		inge: 140	Received by: (Stenature)	Ogte /	d	Time	20	3	Rece	ived	l on ice:	L	ab U	se On	ly			
Relinduish	elnby: (Signa		Date		ime 4/5	Received by: (Signature)	Date	122	Time	1:0	0	T1			T2			T3			
Relinquish	ed by: (Signa	ature)	Date		ime	Received by: (Signature)	Date		Time			AVG	Ten	np°C	+						
Sample Mar	trix: S - Soil, So	I - Solid, Sg -	Sludge, A - A	queous, <b>O</b> - Oth	er		Contai	ner Typ	oe: g -	glass,	<b>p</b> - p			ag - amb	er gla	SS, V	- VOA				
Note: Sam	ples are disc	arded 30 d	ays after re	sults are repor	ted unless of	ther arrangements are made	. Hazardous samples v	vill be re	eturne	d to cl	ient o	dispos	sed o	f at the clie	nt exp	oense.	. The r	eport for the	nalysis of th	ie above	
samples is	applicable o	nly to thos	e samples r	eceived by the	laboratory v	vith this COC. The liability of	the laboratory is limite	to the	amou	nt paid	d for o	n the r	eport								



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

#### **Envirotech Analytical Laboratory**

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)		
	f Custody (COC)					
	the sample ID match the COC? The number of samples per sampling site location ma	tch the COC	Yes			
	samples dropped off by client or carrier?	ten the coc	Yes	C : IIDC		
	ne COC complete, i.e., signatures, dates/times, reque	cted analyses?	Yes Yes	Carrier: <u>UPS</u>		
	all samples received within holding time?	sied anaryses.	Yes			
	Note: Analysis, such as pH which should be conducted i i.e, 15 minute hold time, are not included in this disucssi		105		Comment	s/Resolution
	Turn Around Time (TAT)		3.7			
	e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample						
	sample cooler received?		Yes			
•	was cooler received in good condition?		Yes			
9. Was th	ne sample(s) received intact, i.e., not broken?		No			
10. Were	custody/security seals present?		No			
11. If yes	s, were custody/security seals intact?		NA			
	he sample received on ice? If yes, the recorded temp is 4°C Note: Thermal preservation is not required, if samples as minutes of sampling visible ice, record the temperature. Actual sample	re received w/i 15	Yes <u>C</u>			
Sample	<u>Container</u>					
	aqueous VOC samples present?		No			
	VOC samples collected in VOA Vials?		NA			
	e head space less than 6-8 mm (pea sized or less)?		NA			
	a trip blank (TB) included for VOC analyses?		NA			
	non-VOC samples collected in the correct containers	?	Yes			
	appropriate volume/weight or number of sample contai		Yes			
Field La						
	e field sample labels filled out with the minimum info	ormation:				
	Sample ID?		Yes			
I	Date/Time Collected?		Yes			
(	Collectors name?		No			
_	<u>Preservation</u>					
21. Does	the COC or field labels indicate the samples were p	reserved?	No			
	sample(s) correctly preserved?		NA			
24. Is lab	o filteration required and/or requested for dissolved r	netals?	No			
Multiph	ase Sample Matrix					
26. Does	the sample have more than one phase, i.e., multipha	ise?	No			
27. If ye	s, does the COC specify which phase(s) is to be anal	yzed?	NA			
Subcont	ract Laboratory					
	samples required to get sent to a subcontract laborate	orv?	No			
	a subcontract laboratory specified by the client and i	•	NA	Subcontract Lab: NA		
	• • •			Substitute Euro I II I		
CHERT	nstruction					

Date

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

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





# envirotech

Practical Solutions for a Better Tomorrow

## **Analytical Report**

Devon Energy - Carlsbad

Project Name: 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

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 reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

Walter Hinchman

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Cen: 773 207 1702

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labadmin@envirotech-inc.com

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Rayny Hagan
Technical Representative

West Texas Midland/Odessa Area

Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com



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# **Sample Summary**

Devon Energy - Carlsbad	Project Name:	Ross Draw Unit #014	Donoutoda
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	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.



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	9/21/2022 5:43:32PM

### CONF32 - 2.5'

		E207000-01					
Analyte	Result	Reporting Limit		ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	•		Batch: 2238056
Benzene	ND	0.0250		1	09/15/22	09/16/22	Batem 225 005 0
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	<u> </u>	1	09/18/22	09/20/22	



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	9/21/2022 5:43:32PM

### CONF33 - 2.5'

		Reporting					
Analyte	Result	Limit	Dilu	ıtion	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	Ī	1	09/15/22	09/16/22	
Surrogate: Bromofluorobenzene		102 %	70-130		09/15/22	09/16/22	
Surrogate: 1,2-Dichloroethane-d4		91.7 %	70-130		09/15/22	09/16/22	
Surrogate: Toluene-d8		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	
Surrogate: Bromofluorobenzene		102 %	70-130		09/15/22	09/16/22	
Surrogate: 1,2-Dichloroethane-d4		91.7 %	70-130		09/15/22	09/16/22	
Surrogate: Toluene-d8		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	
Surrogate: n-Nonane		93.9 %	50-200		09/19/22	09/20/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2239002



Devon Energy - CarlsbadProject Name:Ross Draw Unit #0146488 7 Rivers HwyProject Number:01058-0007Reported:Artesia NM, 88210Project Manager:Ashley Giovengo9/21/20225:43:32PM

### CONF34 - 3'

		Reporting					
Analyte	Result	Limit	Di	lution	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		99.1 %	70-130		09/15/22	09/16/22	
Surrogate: 1,2-Dichloroethane-d4		94.8 %	70-130		09/15/22	09/16/22	
Surrogate: Toluene-d8		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	
Surrogate: Bromofluorobenzene		99.1 %	70-130		09/15/22	09/16/22	
Surrogate: 1,2-Dichloroethane-d4		94.8 %	70-130		09/15/22	09/16/22	
Surrogate: Toluene-d8		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	
Surrogate: n-Nonane		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	



Devon Energy - CarlsbadProject Name:Ross Draw Unit #0146488 7 Rivers HwyProject Number:01058-0007Reported:Artesia NM, 88210Project Manager:Ashley Giovengo9/21/20225:43:32PM

### CONF35 - 4'

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	Analyst: R	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		98.1 %	70-130		09/15/22	09/16/22	
Surrogate: 1,2-Dichloroethane-d4		96.3 %	70-130		09/15/22	09/16/22	
Surrogate: Toluene-d8		93.8 %	70-130		09/15/22	09/16/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: R	RKS		Batch: 2238056
Gasoline Range Organics (C6-C10)	ND	20.0	1		09/15/22	09/16/22	
Surrogate: Bromofluorobenzene		98.1 %	70-130		09/15/22	09/16/22	
Surrogate: 1,2-Dichloroethane-d4		96.3 %	70-130		09/15/22	09/16/22	
Surrogate: Toluene-d8		93.8 %	70-130		09/15/22	09/16/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: J	L		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		102 %	50-200		09/19/22	09/20/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: R	RAS		Batch: 2239002



Devon Energy - CarlsbadProject Name:Ross Draw Unit #0146488 7 Rivers HwyProject Number:01058-0007Reported:Artesia NM, 88210Project Manager:Ashley Giovengo9/21/20225:43:32PM

### CONF37 - 1.5'

		Reporting					
Analyte	Result	Limit	Dilu	tion	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	l	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		97.7 %	70-130		09/15/22	09/16/22	
Surrogate: 1,2-Dichloroethane-d4		94.8 %	70-130		09/15/22	09/16/22	
Surrogate: Toluene-d8		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	
Surrogate: Bromofluorobenzene		97.7 %	70-130		09/15/22	09/16/22	
Surrogate: 1,2-Dichloroethane-d4		94.8 %	70-130		09/15/22	09/16/22	
Surrogate: Toluene-d8		95.4 %	70-130		09/15/22	09/16/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	Л		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		82.8 %	50-200		09/19/22	09/20/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2239002



Devon Energy - CarlsbadProject Name:Ross Draw Unit #0146488 7 Rivers HwyProject Number:01058-0007Reported:Artesia NM, 88210Project Manager:Ashley Giovengo9/21/20225:43:32PM

### CONF38 - 2'

		Reporting					
Analyte	Result	Limit	Dilut	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst: R	KS		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		101 %	70-130		09/15/22	09/16/22	
Surrogate: 1,2-Dichloroethane-d4		94.1 %	70-130		09/15/22	09/16/22	
Surrogate: Toluene-d8		96.4 %	70-130		09/15/22	09/16/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: R	KS		Batch: 2238056
Gasoline Range Organics (C6-C10)	ND	20.0	1		09/15/22	09/16/22	
Surrogate: Bromofluorobenzene		101 %	70-130		09/15/22	09/16/22	
Surrogate: 1,2-Dichloroethane-d4		94.1 %	70-130		09/15/22	09/16/22	
Surrogate: Toluene-d8		96.4 %	70-130		09/15/22	09/16/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: JI			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	·	81.1 %	50-200		09/19/22	09/20/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: R	AS		Batch: 2239002
Amons by ETA 500.0/7050A							



Devon Energy - CarlsbadProject Name:Ross Draw Unit #0146488 7 Rivers HwyProject Number:01058-0007Reported:Artesia NM, 88210Project Manager:Ashley Giovengo9/21/20225:43:32PM

### CONF42 - 3'

		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS		Batch: 2238056
Benzene	ND	0.0250	1	1	09/15/22	09/16/22	
Ethylbenzene	ND	0.0250	1	1	09/15/22	09/16/22	
Toluene	ND	0.0250	1	1	09/15/22	09/16/22	
o-Xylene	ND	0.0250	1	1	09/15/22	09/16/22	
p,m-Xylene	ND	0.0500	1	1	09/15/22	09/16/22	
Total Xylenes	ND	0.0250	1	1	09/15/22	09/16/22	
Surrogate: Bromofluorobenzene		99.1 %	70-130		09/15/22	09/16/22	
Surrogate: 1,2-Dichloroethane-d4		93.1 %	70-130		09/15/22	09/16/22	
Surrogate: Toluene-d8		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	1	09/15/22	09/16/22	
Surrogate: Bromofluorobenzene		99.1 %	70-130		09/15/22	09/16/22	
Surrogate: 1,2-Dichloroethane-d4		93.1 %	70-130		09/15/22	09/16/22	
Surrogate: Toluene-d8		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	1	09/19/22	09/20/22	
Oil Range Organics (C28-C36)	ND	50.0	1	1	09/19/22	09/20/22	
Surrogate: n-Nonane		84.9 %	50-200		09/19/22	09/20/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2239002



Devon Energy - CarlsbadProject Name:Ross Draw Unit #0146488 7 Rivers HwyProject Number:01058-0007Reported:Artesia NM, 88210Project Manager:Ashley Giovengo9/21/20225:43:32PM

### CONF43 - 3'

		Reporting					
Analyte	Result	Limit	Dilut	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: RI	KS		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		99.6 %	70-130		09/15/22	09/16/22	
Surrogate: 1,2-Dichloroethane-d4		91.4 %	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	A	Analyst: RI	KS		Batch: 2238056
Gasoline Range Organics (C6-C10)	ND	20.0	1		09/15/22	09/16/22	
Surrogate: Bromofluorobenzene		99.6 %	70-130		09/15/22	09/16/22	
Surrogate: 1,2-Dichloroethane-d4		91.4 %	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	A	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		84.8 %	50-200		09/19/22	09/20/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: R	AS		Batch: 2239002
						·	



Devon Energy - CarlsbadProject Name:Ross Draw Unit #0146488 7 Rivers HwyProject Number:01058-0007Reported:Artesia NM, 88210Project Manager:Ashley Giovengo9/21/20225:43:32PM

### CONF44 - 2.5'

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	Analyst: RK	KS		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	
Surrogate: Bromofluorobenzene	·	102 %	70-130		09/15/22	09/21/22	
Surrogate: 1,2-Dichloroethane-d4		88.9 %	70-130		09/15/22	09/21/22	
Surrogate: Toluene-d8		99.2 %	70-130		09/15/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: RK	KS .		Batch: 2238056
Gasoline Range Organics (C6-C10)	ND	20.0	1		09/15/22	09/21/22	
Surrogate: Bromofluorobenzene		102 %	70-130		09/15/22	09/21/22	
Surrogate: 1,2-Dichloroethane-d4		88.9 %	70-130		09/15/22	09/21/22	
Surrogate: Toluene-d8		99.2 %	70-130		09/15/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	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		83.6 %	50-200		09/19/22	09/20/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: RA	AS		Batch: 2239002
7 HIOHS DY E117 500:0/203011							



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	9/21/2022 5:43:32PM

### CONF45 - 2.5'

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS		Batch: 2238056
Benzene	ND	0.0250	1	1	09/15/22	09/16/22	
Ethylbenzene	ND	0.0250	1	l	09/15/22	09/16/22	
Toluene	ND	0.0250	1	1	09/15/22	09/16/22	
o-Xylene	ND	0.0250	1	1	09/15/22	09/16/22	
p,m-Xylene	ND	0.0500	1	l	09/15/22	09/16/22	
Total Xylenes	ND	0.0250	1	l	09/15/22	09/16/22	
Surrogate: Bromofluorobenzene		97.5 %	70-130		09/15/22	09/16/22	
Surrogate: 1,2-Dichloroethane-d4		95.7 %	70-130		09/15/22	09/16/22	
Surrogate: Toluene-d8		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	l	09/15/22	09/16/22	
Surrogate: Bromofluorobenzene		97.5 %	70-130		09/15/22	09/16/22	
Surrogate: 1,2-Dichloroethane-d4		95.7 %	70-130		09/15/22	09/16/22	
Surrogate: Toluene-d8		95.6 %	70-130		09/15/22	09/16/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	Л		Batch: 2238061
Diesel Range Organics (C10-C28)	ND	25.0	1	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		80.5 %	50-200		09/19/22	09/20/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2239002
					·	·	



# **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

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte
Result
Limit
Level
Result
Rec
Limits
RPD
Limit

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2238056-BLK1)							Prepared: 09	9/15/22 Analy	zed: 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	9/15/22 Analy	zed: 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:	E209068-0	4	Prepared: 09	9/15/22 Analy	zed: 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			
Total Xylenes						43-135 70-130			
• •	6.70		7.50		89.4				
Total Xylenes Surrogate: Bromofluorobenzene Surrogate: 1,2-Dichloroethane-d4	6.70 0.531		7.50 0.500		89.4 106	70-130			
Total Xylenes Surrogate: Bromofluorobenzene	6.70 0.531 0.459		7.50 0.500 0.500	ND	89.4 106 91.7	70-130 70-130 70-130	Prepared: 09	9/15/22 Analy	rzed: 09/16/22
Total Xylenes Surrogate: Bromofluorobenzene Surrogate: 1,2-Dichloroethane-d4 Surrogate: Toluene-d8	6.70 0.531 0.459		7.50 0.500 0.500	ND	89.4 106 91.7 96.1	70-130 70-130 70-130	Prepared: 09	0/15/22 Analy	/zed: 09/16/22
Total Xylenes Surrogate: Bromofluorobenzene Surrogate: 1,2-Dichloroethane-d4 Surrogate: Toluene-d8 Matrix Spike Dup (2238056-MSD1) Benzene	6.70 0.531 0.459 0.481	0.0250	7.50 0.500 0.500 0.500	ND Source:	89.4 106 91.7 96.1 <b>E209068-0</b>	70-130 70-130 70-130	•	•	zed: 09/16/22
Total Xylenes Surrogate: Bromofluorobenzene Surrogate: 1,2-Dichloroethane-d4 Surrogate: Toluene-d8 Matrix Spike Dup (2238056-MSD1) Benzene Ethylbenzene	6.70 0.531 0.459 0.481	0.0250	7.50 0.500 0.500 0.500	Source:	89.4 106 91.7 96.1 <b>E209068-0</b> 89.3	70-130 70-130 70-130 44 48-131	1.15	23	zed: 09/16/22
Total Xylenes Surrogate: Bromofluorobenzene Surrogate: 1,2-Dichloroethane-d4 Surrogate: Toluene-d8 Matrix Spike Dup (2238056-MSD1)	6.70 0.531 0.459 0.481 2.23 2.24	0.0250 0.0250 0.0250	7.50 0.500 0.500 0.500 2.50 2.50	Source:	89.4 106 91.7 96.1 <b>E209068-0</b> 89.3 89.5	70-130 70-130 70-130 48-131 45-135	1.15 1.12	23 27	zed: 09/16/22
Total Xylenes Surrogate: Bromofluorobenzene Surrogate: 1,2-Dichloroethane-d4 Surrogate: Toluene-d8  Matrix Spike Dup (2238056-MSD1)  Benzene Ethylbenzene Toluene D-Xylene	6.70 0.531 0.459 0.481 2.23 2.24 2.10	0.0250 0.0250 0.0250 0.0250	7.50 0.500 0.500 0.500 2.50 2.50 2.50	Source:  ND ND ND ND	89.4 106 91.7 96.1 <b>E209068-0</b> 89.3 89.5 83.9	70-130 70-130 70-130 44 48-131 45-135 48-130	1.15 1.12 1.10	23 27 24	zed: 09/16/22
Total Xylenes Surrogate: Bromofluorobenzene Surrogate: 1,2-Dichloroethane-d4 Surrogate: Toluene-d8 Matrix Spike Dup (2238056-MSD1) Benzene Ethylbenzene Toluene	6.70 0.531 0.459 0.481 2.23 2.24 2.10 2.31	0.0250 0.0250 0.0250 0.0250 0.0250	7.50 0.500 0.500 0.500 2.50 2.50 2.50 2.50 2.50	Source:  ND ND ND ND ND ND	89.4 106 91.7 96.1 <b>E209068-0</b> 89.3 89.5 83.9 92.5	70-130 70-130 70-130 44 48-131 45-135 48-130 43-135	1.15 1.12 1.10 1.07	23 27 24 27	zed: 09/16/22
Total Xylenes Surrogate: Bromofluorobenzene Surrogate: 1,2-Dichloroethane-d4 Surrogate: Toluene-d8 Matrix Spike Dup (2238056-MSD1) Benzene Ethylbenzene Toluene o-Xylene p,m-Xylene Total Xylenes	6.70 0.531 0.459 0.481 2.23 2.24 2.10 2.31 4.45	0.0250 0.0250 0.0250 0.0250 0.0250 0.0250 0.0500	7.50 0.500 0.500 0.500 2.50 2.50 2.50 2.50 2.50 5.00	Source:  ND ND ND ND ND ND ND ND ND	89.4 106 91.7 96.1 <b>E209068-0</b> 89.3 89.5 83.9 92.5 89.1	70-130 70-130 70-130 44 48-131 45-135 48-130 43-135 43-135	1.15 1.12 1.10 1.07 0.857	23 27 24 27 27	zed: 09/16/22
Total Xylenes Surrogate: Bromofluorobenzene Surrogate: 1,2-Dichloroethane-d4 Surrogate: Toluene-d8 Matrix Spike Dup (2238056-MSD1) Benzene Ethylbenzene Toluene o-Xylene p,m-Xylene	6.70 0.531 0.459 0.481 2.23 2.24 2.10 2.31 4.45 6.77	0.0250 0.0250 0.0250 0.0250 0.0250 0.0250 0.0500	7.50 0.500 0.500 0.500 2.50 2.50 2.50 2.50 2.50 5.00 7.50	Source:  ND ND ND ND ND ND ND ND ND	89.4 106 91.7 96.1 <b>E209068-0</b> 89.3 89.5 83.9 92.5 89.1 90.2	70-130 70-130 70-130 48-131 45-135 48-130 43-135 43-135	1.15 1.12 1.10 1.07 0.857	23 27 24 27 27	zed: 09/16/22



Surrogate: 1,2-Dichloroethane-d4

Surrogate: Toluene-d8

# **QC Summary Data**

Devon Energy - CarlsbadProject Name:Ross Draw Unit #014Reported:6488 7 Rivers HwyProject Number:01058-0007Artesia NM, 88210Project Manager:Ashley Giovengo9/21/20225:43:32PM

Artesia NM, 88210		Project Number:		os8-0007 shley Gioveng	go				9/21/2022 5:43:32PM
	Nor	halogenated (	Organics l	by EPA 80	15D - Gl	RO			Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2238056-BLK1)							Prepared: 0	9/15/22 A	nalyzed: 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: 0	9/15/22 A	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: 0	9/15/22 A	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: 0	9/15/22 A	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			

0.500

0.500

0.446

0.479

70-130

70-130

89.1

95.7



# **QC Summary Data**

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

Artesia NM, 88210		Project Manage	r: As	hley Gioveng	go				9/21/2022 5:43:32PM
	Nonha	logenated Or	ganics by	EPA 8015I	) - DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2238061-BLK1)							Prepared: 0	9/19/22 Ar	nalyzed: 09/20/22
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	46.4		50.0		92.8	50-200			
LCS (2238061-BS1)							Prepared: 0	9/19/22 Ar	nalyzed: 09/20/22
Diesel Range Organics (C10-C28)	263	25.0	250		105	38-132			
urrogate: n-Nonane	59.5		50.0		119	50-200			
Matrix Spike (2238061-MS1)				Source:	E209068-	02	Prepared: 0	9/19/22 Ar	nalyzed: 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: 0	9/19/22 Ar	nalyzed: 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						<b>Reported:</b> 9/21/2022 5:43:32PM				
		Anions	by EPA	300.0/9056	4				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			
Blank (2239002-BLK1)							Prepared: 0	9/18/22 A	nalyzed: 09/19/22			
Chloride	ND	20.0										
LCS (2239002-BS1)							Prepared: 0	9/18/22 A	nalyzed: 09/20/22			
Chloride	250	20.0	250		100	90-110						
Matrix Spike (2239002-MS1)				Source:	E209063-0	)1	Prepared: 0	9/18/22 A	nalyzed: 09/20/22			
Chloride	401	40.0	250	194	82.8	80-120						
Matrix Spike Dup (2239002-MSD1)				Source:	E209063-0	)1	Prepared: 0	9/18/22 A	nalyzed: 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**

Γ	Devon Energy - Carlsbad	Project Name:	Ross Draw Unit #014	
l	6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
١	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

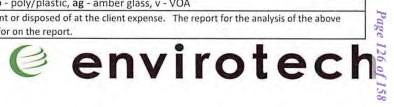
Note (1): Methods marked with \*\* are non-accredited methods.

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



	1
Page	of /

Client:	Devon					Bill To				La	b Us	e On	У				TA	T	EPA P	rogram
-	Ross Draw				Attention:			Lab	WO#		6	Job N	lum	ber	1D	2D	3D	Standard	CWA	SDWA
Project N	Manager:	Ashley G	iovengo	the state of the s		15 Buena Vista Dr		E2	209	DO	85	010	28.	50007				Х		
Address:	1224 St	andpipe	Rd			ip: Calsbad, NM 882	20					Analy	sis ar	nd Metho	b					RCRA
City, Stat	te, Zip: Ca	rlsbad, N	IM 88220		Phone: 57	75-689-7597				- 1										
Phone:	505-382				Email: jim.ra	aley@dvn.com		115	8015										State	
Email:	ashley.gio	vengo@	wescomi	nc.com					y 80	21	0		300.0		5			NM CC	UT AZ	TX
Report o	ue by:							ROb	RO b	, 8021	826	601(	e 30		N	×		×		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID			Lab Number	DRO/ORO by 8015	GRO/DRO by	втех by	VOC by 8260	Metals 6010	Chloride		верос	верос			Remarks	
15:14	9/13/22	Soil	1 Jar		CONF32 - 2	2.5'	1								x					
13:09	9/13/22	Soil	1 Jar		CONF33 - I	2.5'	2								х					
13:13	9/13/22	Soil	1 Jar		CONF34 -	3'	3								x					
13:16	9/13/22	Soil	1 Jar		CONF35 -	4'	4								х					
14:00	9/13/22	Soil	1 Jar		CONF37 -	1.5'	5								х					
14:03	9/13/22	Soil	1 Jar		CONF38 -	2'	6								х					
14:56	9/13/22	Soil	1 Jar		CONF42 -	3'	7					1			х					
15:00	9/13/22	Soil	1 Jar		CONF43 -	3'	8								х					
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								х					
Addition	nal Instruc	tions: I	Kept on i	e, Please CC: o	cole.burton@weso	cominc.com, shar.har	rvester@wes	scom	inc.co	om, j	im.r	aley@	dvr	.com, as	hley.	giov	engo(	@wescoming	.com	
				icity of this sample. may be grounds for I		ne with or intentionally misla	belling the sample	e locati	on,			1000		and the second s				eived on ice the day	A STATE OF THE STA	ed or received
- 11	ed by: (Signa		Date			/ MI	Date	1-5	Time	11:	3/	Rece	ived	on ice:	L	ab U	se On	ly		
Relinquis	ed by: (Signa	atu(e)	Date	Time	Received	by: (Signature)	+ 9/151	22	Time (C	2.4	0	T1			<u>T2</u>	, ,		T3		
Relinquish	ed by: (Signa	ature)	Date	Time	Received	by: (Signature)	Date		Time			AVG	Ten	np°C Z	1					
Sample Ma	trix: S - Soil, Sc	I - Solid, Sg -	- Sludge, A - A	squeous, O - Other _			Containe	r Type	2: g - g	glass,	<b>p</b> - p			ag - amb	er gla	ss, v -	VOA			
					unless other arranger	ments are made. Hazardo												eport for the ar	alysis of the	above
						. The liability of the labora												Server Andrews with Server	10 4 CALLAND A 30	200



Printed: 9/15/2022 10:58:57AM

### **Envirotech Analytical Laboratory**

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)						
	he sample ID match the COC?		Yes				
	he number of samples per sampling site location ma	tch the COC	Yes				
3. Were s	amples dropped off by client or carrier?		Yes	Carrier: U	IPS		
4. Was th	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes	<u> </u>	<u> </u>		
	all samples received within holding time?	•	Yes				
	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion.			,		Comment	s/Resolution
Sample 7	<u> Furn Around Time (TAT)</u>						
6. Did th	e COC indicate standard TAT, or Expedited TAT?		Yes				
Sample (	<u>Cooler</u>						
7. Was a	sample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was th	e 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				
	ne sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes				
	, <u>.</u>	temperature. 4	<u>c</u>				
	Container queous VOC samples present?		No				
	/OC samples collected in VOA Vials?		No NA				
	head space less than 6-8 mm (pea sized or less)?		NA NA				
	• •		NA NA				
	a trip blank (TB) included for VOC analyses?	9					
	on-VOC samples collected in the correct containers'		Yes				
	appropriate volume/weight or number of sample contain	ners conected?	Yes				
Field La	field sample labels filled out with the minimum info	·····ation					
	ample ID?	mation.	Yes				
	Date/Time Collected?		Yes	l			
C	Collectors name?		No				
Sample 1	<u>Preservation</u>						
21. Does	the COC or field labels indicate the samples were pr	reserved?	No				
22. Are s	ample(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved n	netals?	No				
Multiph:	ase Sample Matrix						
26. Does	the sample have more than one phase, i.e., multipha	se?	No				
27. If yes	s, does the COC specify which phase(s) is to be analy	yzed?	NA				
Subcont	ract Laboratory						
	amples required to get sent to a subcontract laborato	rv?	No				
	a subcontract laboratory specified by the client and it	-	NA	Subcontract Lab	v na		
	nstruction	i so who.	1111	Suocontract Lao	7. 11a		
<u>Chem 1</u>	usti uction						

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

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





# envirotech

Practical Solutions for a Better Tomorrow

# **Analytical Report**

Devon Energy - Carlsbad

Project Name: 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

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 reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881

Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

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**Alexa Michaels** 

Sample Custody Officer Office: 505-632-1881

labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area Lynn Jarboe

Technical Representative/Client Services

Office: 505-421-LABS(5227)

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ljarboe@envirotech-inc.com

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

Rayny Hagan

West Texas Midland/Odessa Area

Envirotech Web Address: www.envirotech-inc.com

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# **Sample Summary**

Devon Energy - Carlsbad	Project Name:	Ross Draw Unit #014	Donoutod.
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	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.

ſ	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	9/26/2022 1:11:10PM

### CONF36 - 5' E209079-01

		E2090/9-01					
	D 1:	Reporting			D 1		N.
Analyte	Result	Limit	Dil	ution	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	
Surrogate: Bromofluorobenzene		97.6 %	70-130		09/19/22	09/21/22	
Surrogate: 1,2-Dichloroethane-d4		94.4 %	70-130		09/19/22	09/21/22	
Surrogate: Toluene-d8		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	
Surrogate: Bromofluorobenzene		97.6 %	70-130		09/19/22	09/21/22	
Surrogate: 1,2-Dichloroethane-d4		94.4 %	70-130		09/19/22	09/21/22	
Surrogate: Toluene-d8		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	
Surrogate: n-Nonane		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	



Devon Energy - CarlsbadProject Name:Ross Draw Unit #0146488 7 Rivers HwyProject Number:01058-0007Reported:Artesia NM, 88210Project Manager:Ashley Giovengo9/26/20221:11:10PM

### CONF39 - 4' E209079-02

Analyte	Result	Reporting Limit	Diluti	ion Prepared	Analyzed	Notes
Allaryu	Result	Liiiit		1	Allalyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	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	
Surrogate: Bromofluorobenzene		96.1 %	70-130	09/19/22	09/21/22	
Surrogate: 1,2-Dichloroethane-d4		94.8 %	70-130	09/19/22	09/21/22	
Surrogate: Toluene-d8		103 %	70-130	09/19/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	А	analyst: RKS		Batch: 2239014
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/19/22	09/21/22	
Surrogate: Bromofluorobenzene		96.1 %	70-130	09/19/22	09/21/22	
Surrogate: 1,2-Dichloroethane-d4		94.8 %	70-130	09/19/22	09/21/22	
Surrogate: Toluene-d8		103 %	70-130	09/19/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Α	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	
Surrogate: n-Nonane		85.2 %	50-200	09/21/22	09/22/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Α	analyst: RAS		Batch: 2239046
Chloride	4590	40.0	2	09/20/22	09/21/22	



Devon Energy - CarlsbadProject Name:Ross Draw Unit #0146488 7 Rivers HwyProject Number:01058-0007Reported:Artesia NM, 88210Project Manager:Ashley Giovengo9/26/2022 1:11:10PM

### CONF40 - 5' E209079-03

		E209079-03					
	D 1	Reporting	F.,		D 1		N.
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS		Batch: 2239014
Benzene	ND	0.0250	1	1	09/19/22	09/21/22	
Ethylbenzene	ND	0.0250	1	1	09/19/22	09/21/22	
Toluene	ND	0.0250	1	1	09/19/22	09/21/22	
o-Xylene	ND	0.0250	1	1	09/19/22	09/21/22	
p,m-Xylene	ND	0.0500	1	1	09/19/22	09/21/22	
Total Xylenes	ND	0.0250	1	1	09/19/22	09/21/22	
Surrogate: Bromofluorobenzene		97.4 %	70-130		09/19/22	09/21/22	
Surrogate: 1,2-Dichloroethane-d4		92.8 %	70-130		09/19/22	09/21/22	
Surrogate: Toluene-d8		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	1	09/19/22	09/21/22	
Surrogate: Bromofluorobenzene		97.4 %	70-130		09/19/22	09/21/22	
Surrogate: 1,2-Dichloroethane-d4		92.8 %	70-130		09/19/22	09/21/22	
Surrogate: Toluene-d8		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	1	09/21/22	09/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	1	09/21/22	09/22/22	
Surrogate: n-Nonane		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	



Devon Energy - CarlsbadProject Name:Ross Draw Unit #0146488 7 Rivers HwyProject Number:01058-0007Reported:Artesia NM, 88210Project Manager:Ashley Giovengo9/26/2022 1:11:10PM

### CONF41 - 4' E209079-04

Analysis	D14	Reporting Limit		4:	D 1	A	Ni-to-
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	Analyst: RK	S		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	ļ	09/19/22	09/21/22	
Surrogate: Bromofluorobenzene		94.6 %	70-130		09/19/22	09/21/22	
Surrogate: 1,2-Dichloroethane-d4		96.3 %	70-130		09/19/22	09/21/22	
Surrogate: Toluene-d8		105 %	70-130		09/19/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: RK	S		Batch: 2239014
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	09/19/22	09/21/22	
Surrogate: Bromofluorobenzene		94.6 %	70-130		09/19/22	09/21/22	
Surrogate: 1,2-Dichloroethane-d4		96.3 %	70-130		09/19/22	09/21/22	
Surrogate: Toluene-d8		105 %	70-130		09/19/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	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	l	09/21/22	09/22/22	
Surrogate: n-Nonane		90.3 %	50-200		09/21/22	09/22/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RA	S		Batch: 2239046
Chloride	2350	40.0	2	2	09/20/22	09/21/22	



Devon Energy - CarlsbadProject Name:Ross Draw Unit #0146488 7 Rivers HwyProject Number:01058-0007Reported:Artesia NM, 88210Project Manager:Ashley Giovengo9/26/2022 1:11:10PM

### **CONF09 - 12'**

		Reporting					
Analyte	Result	Limit	Dilı	ıtion	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	
Surrogate: Bromofluorobenzene	·	96.1 %	70-130		09/19/22	09/21/22	
Surrogate: 1,2-Dichloroethane-d4		96.8 %	70-130		09/19/22	09/21/22	
Surrogate: Toluene-d8		104 %	70-130		09/19/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		RKS		Batch: 2239014
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/19/22	09/21/22	
Surrogate: Bromofluorobenzene		96.1 %	70-130		09/19/22	09/21/22	
Surrogate: 1,2-Dichloroethane-d4		96.8 %	70-130		09/19/22	09/21/22	
Surrogate: Toluene-d8		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	
Surrogate: n-Nonane		92.0 %	50-200		09/21/22	09/22/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2239046



Devon Energy - CarlsbadProject Name:Ross Draw Unit #0146488 7 Rivers HwyProject Number:01058-0007Reported:Artesia NM, 88210Project Manager:Ashley Giovengo9/26/2022 1:11:10PM

### CONF10 - 12'

		Reporting					
Analyte	Result	Limit	Dilı	ıtion	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	
Surrogate: Bromofluorobenzene		93.8 %	70-130		09/19/22	09/22/22	
Surrogate: 1,2-Dichloroethane-d4		92.7 %	70-130		09/19/22	09/22/22	
Surrogate: Toluene-d8		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	
Surrogate: Bromofluorobenzene		93.8 %	70-130		09/19/22	09/22/22	
Surrogate: 1,2-Dichloroethane-d4		92.7 %	70-130		09/19/22	09/22/22	
Surrogate: Toluene-d8		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	
Surrogate: n-Nonane		89.9 %	50-200		09/21/22	09/22/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2239046
		·		2	09/20/22	09/21/22	



Devon Energy - CarlsbadProject Name:Ross Draw Unit #0146488 7 Rivers HwyProject Number:01058-0007Reported:Artesia NM, 88210Project Manager:Ashley Giovengo9/26/2022 1:11:10PM

### CONF13 - 5.5'

		Reporting					
Analyte	Result	Limit	Dilı	ution	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	
Surrogate: Bromofluorobenzene		97.2 %	70-130		09/19/22	09/22/22	
Surrogate: 1,2-Dichloroethane-d4		98.0 %	70-130		09/19/22	09/22/22	
Surrogate: Toluene-d8		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	
Surrogate: Bromofluorobenzene		97.2 %	70-130		09/19/22	09/22/22	
Surrogate: 1,2-Dichloroethane-d4		98.0 %	70-130		09/19/22	09/22/22	
Surrogate: Toluene-d8		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	
Surrogate: n-Nonane		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	



Devon Energy - CarlsbadProject Name:Ross Draw Unit #0146488 7 Rivers HwyProject Number:01058-0007Reported:Artesia NM, 88210Project Manager:Ashley Giovengo9/26/2022 1:11:10PM

# CONF11 - 5'

		E209079-08					
		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	ي	Analyst: R	Batch: 2239014		
Benzene	ND	0.0250	1	ļ	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	Į.	09/19/22	09/22/22	
Surrogate: Bromofluorobenzene		98.7 %	70-130		09/19/22	09/22/22	
Surrogate: 1,2-Dichloroethane-d4		95.4 %	70-130		09/19/22	09/22/22	
Surrogate: Toluene-d8		105 %	70-130		09/19/22	09/22/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: R	KS		Batch: 2239014
Gasoline Range Organics (C6-C10)	ND	20.0	1		09/19/22	09/22/22	
Surrogate: Bromofluorobenzene		98.7 %	70-130		09/19/22	09/22/22	
Surrogate: 1,2-Dichloroethane-d4		95.4 %	70-130		09/19/22	09/22/22	
Surrogate: Toluene-d8		105 %	70-130		09/19/22	09/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JI	_		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	ļ.	09/21/22	09/22/22	
Surrogate: n-Nonane		78.7 %	50-200		09/21/22	09/22/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: R	AS		Batch: 2239046
Chloride	446	200	10	0	09/20/22	09/21/22	



Devon Energy - CarlsbadProject Name:Ross Draw Unit #0146488 7 Rivers HwyProject Number:01058-0007Reported:Artesia NM, 88210Project Manager:Ashley Giovengo9/26/2022 1:11:10PM

### CONF14 - 5' E209079-09

		E207017-07					
Anglista	Result	Reporting Limit	Dilut	tion	Prepared	Amaluma	Notes
Analyte	Resuit	Limit	Dilui	uon	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: Rk	ζS		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	
Surrogate: Bromofluorobenzene		97.8 %	70-130		09/19/22	09/22/22	
Surrogate: 1,2-Dichloroethane-d4		96.9 %	70-130		09/19/22	09/22/22	
Surrogate: Toluene-d8		105 %	70-130		09/19/22	09/22/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: Rk	ζS		Batch: 2239014
Gasoline Range Organics (C6-C10)	ND	20.0	1		09/19/22	09/22/22	
Surrogate: Bromofluorobenzene		97.8 %	70-130		09/19/22	09/22/22	
Surrogate: 1,2-Dichloroethane-d4		96.9 %	70-130		09/19/22	09/22/22	
Surrogate: Toluene-d8		105 %	70-130		09/19/22	09/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	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	
Surrogate: n-Nonane		83.9 %	50-200		09/21/22	09/22/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RA	AS		Batch: 2239106
Chloride	378	200	10	0	09/20/22	09/23/22	_



Devon Energy - CarlsbadProject Name:Ross Draw Unit #0146488 7 Rivers HwyProject Number:01058-0007Reported:Artesia NM, 88210Project Manager:Ashley Giovengo9/26/20221:11:10PM

### CONF46Wall - 1'

		120707710					
Analyte	Result	Reporting Limit		ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	•		Batch: 2239014
Benzene	ND	0.0250		1	09/19/22	09/22/22	Batch: 2237011
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	
Surrogate: Bromofluorobenzene		96.7 %	70-130		09/19/22	09/22/22	
Surrogate: 1,2-Dichloroethane-d4		97.4 %	70-130		09/19/22	09/22/22	
Surrogate: Toluene-d8		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	
Surrogate: Bromofluorobenzene		96.7 %	70-130		09/19/22	09/22/22	
Surrogate: 1,2-Dichloroethane-d4		97.4 %	70-130		09/19/22	09/22/22	
Surrogate: Toluene-d8		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	
Surrogate: n-Nonane		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	



Devon Energy - CarlsbadProject Name:Ross Draw Unit #0146488 7 Rivers HwyProject Number:01058-0007Reported:Artesia NM, 88210Project Manager:Ashley Giovengo9/26/2022 1:11:10PM

### CONF47Wall - 1'

	_	Reporting	_				
Analyte	Result	Limit	Dilu	ution	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	
Surrogate: Bromofluorobenzene		95.5 %	70-130		09/19/22	09/22/22	
Surrogate: 1,2-Dichloroethane-d4		97.1 %	70-130		09/19/22	09/22/22	
Surrogate: Toluene-d8		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	
Surrogate: Bromofluorobenzene		95.5 %	70-130		09/19/22	09/22/22	
Surrogate: 1,2-Dichloroethane-d4		97.1 %	70-130		09/19/22	09/22/22	
Surrogate: Toluene-d8		105 %	70-130		09/19/22	09/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	ЛL		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	
Surrogate: n-Nonane		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	



 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
 9/26/2022
 1:11:10PM

### CONF48Wall - 1'

	_	Reporting					
Analyte	Result	Limit	Dilı	ution	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	
Surrogate: Bromofluorobenzene		97.4 %	70-130		09/19/22	09/22/22	
Surrogate: 1,2-Dichloroethane-d4		99.1 %	70-130		09/19/22	09/22/22	
Surrogate: Toluene-d8		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	
Surrogate: Bromofluorobenzene		97.4 %	70-130		09/19/22	09/22/22	
Surrogate: 1,2-Dichloroethane-d4		99.1 %	70-130		09/19/22	09/22/22	
Surrogate: Toluene-d8		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	
Surrogate: n-Nonane		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	



Devon Energy - CarlsbadProject Name:Ross Draw Unit #0146488 7 Rivers HwyProject Number:01058-0007Reported:Artesia NM, 88210Project Manager:Ashley Giovengo9/26/20221:11:10PM

### CONF49Wall - 1'

		Reporting					
Analyte	Result	Limit	Dilı	ution	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	
Surrogate: Bromofluorobenzene		95.8 %	70-130		09/19/22	09/22/22	
Surrogate: 1,2-Dichloroethane-d4		96.2 %	70-130		09/19/22	09/22/22	
Surrogate: Toluene-d8		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	
Surrogate: Bromofluorobenzene		95.8 %	70-130		09/19/22	09/22/22	
Surrogate: 1,2-Dichloroethane-d4		96.2 %	70-130		09/19/22	09/22/22	
Surrogate: Toluene-d8		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	
Surrogate: n-Nonane		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	



Devon Energy - CarlsbadProject Name:Ross Draw Unit #014Reported:6488 7 Rivers HwyProject Number:01058-0007Artesia NM, 88210Project Manager:Ashley Giovengo9/26/2022 1:11:10PM

Artesia NM, 88210		Project Manage	r: As	shley Gioveng	go			9/2	26/2022 1:11:10PM
	V	olatile Organ	ic Compo	unds by EI	PA 82601	В			Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2239014-BLK1)							Prepared: 0	9/19/22 Ana	lyzed: 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: 0	9/19/22 Ana	lyzed: 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: 0	9/19/22 Ana	lyzed: 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			
5									

0.500

70-130



Surrogate: Toluene-d8

0.530

Devon Energy - CarlsbadProject Name:Ross Draw Unit #014Reported:6488 7 Rivers HwyProject Number:01058-0007Artesia NM, 88210Project Manager:Ashley Giovengo9/26/2022 1:11:10PM

Nonhalogenated	Organics b	v EPA	8015D -	GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2239014-BLK1)							Prepared: 0	9/19/22 Analy	yzed: 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: 0	9/19/22 Analy	yzed: 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	10	06	70-130	3.11	20
Surrogate: Bromofluorobenzene	0.490		0.500	98	3.0	70-130		
Surrogate: 1,2-Dichloroethane-d4	0.479		0.500	93	5.8	70-130		
Surrogate: Toluene-d8	0.537		0.500	1	97	70-130		

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

Artesia NM, 88210		Project Manage	r: As	hley Gioveng	go				9/26/2022 1:11:10PM
	Nonhal	logenated Or	ganics by	EPA 8015I	) - DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2239076-BLK1)							Prepared: 0	9/21/22 A1	nalyzed: 09/22/22
Diesel Range Organics (C10-C28)	ND	25.0							
il Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	41.6		50.0		83.1	50-200			
LCS (2239076-BS1)							Prepared: 0	9/21/22 Aı	nalyzed: 09/22/22
Diesel Range Organics (C10-C28)	261	25.0	250		104	38-132			
urrogate: n-Nonane	43.3		50.0		86.6	50-200			
Matrix Spike (2239076-MS1)				Source:	E209079-0	03	Prepared: 0	9/21/22 Aı	nalyzed: 09/22/22
Diesel Range Organics (C10-C28)	266	25.0	250	ND	106	38-132			
urrogate: n-Nonane	44.9		50.0		89.7	50-200			
Matrix Spike Dup (2239076-MSD1)				Source:	E209079-0	03	Prepared: 0	9/21/22 A1	nalyzed: 09/22/22
Diesel Range Organics (C10-C28)	264	25.0	250	ND	106	38-132	0.787	20	
urrogate: n-Nonane	43.8		50.0		87.5	50-200			



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

Artesia NWI, 88210		Project Manage	r: As	sniey Gloveng	30			9/	20/2022 1.11.10FWI
			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
Blank (2239046-BLK1)							Prepared: 0	9/20/22 Ana	lyzed: 09/20/22
Chloride	ND	20.0							
LCS (2239046-BS1)							Prepared: 0	9/20/22 Ana	lyzed: 09/20/22
Chloride	251	20.0	250		100	90-110			
Matrix Spike (2239046-MS1)				Source:	E209079-	01	Prepared: 0	9/20/22 Ana	lyzed: 09/20/22
Chloride	3880	40.0	250	5700	NR	80-120			M5
Matrix Spike Dup (2239046-MSD1)				Source:	E209079-	01	Prepared: 0	9/20/22 Ana	lyzed: 09/21/22
Chloride	3160	40.0	250	5700	NR	80-120	20.4	20	M5, R3



Devon Energy - Carlsbad 6488 7 Rivers Hwy		Project Name: Project Number		oss Draw Uni 1058-0007	t #014				Reported:
Artesia NM, 88210		Project Manager		shley Gioveng	go				9/26/2022 1:11:10PM
		Anions	by EPA	300.0/9056 <i>A</i>	4				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
Blank (2239106-BLK1)							Prepared: 0	9/23/22 A	analyzed: 09/23/22
Chloride  LCS (2239106-BS1)	ND	20.0					Prepared: 0	9/23/22 A	analyzed: 09/23/22
Chloride  Matrix Spike (2239106-MS1)	249	20.0	250	Source:	99.7 <b>E209117-</b> 0	90-110 <b>)1</b>	Prepared: 0	9/23/22 <i>A</i>	analyzed: 09/23/22
Chloride	251	20.0	250	ND	100	80-120			
Matrix Spike Dup (2239106-MSD1)				Source:	E209117-0	)1	Prepared: 0	9/23/22 A	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**

ſ	Devon Energy - Carlsbad	Project Name:	Ross Draw Unit #014	
١	6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
١	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

accociated 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

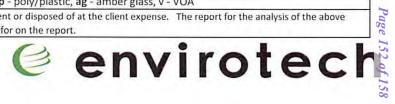
Note (1): Methods marked with \*\* are non-accredited methods.

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



ager: A	Unit #0	A ST		Bill To				1.2	ab Us	se con	IV				TA				
		14		Attention: Jim Raley		Lab	WO#				Numbe	r)	1D	2D	3D	Stand	dard	CWA	rogram SDWA
224 64-	Ashley G			Address: 5315 Buena Vista D	r	Fé	50c	107	9		58-0					X			
224 Sta	andpipe	Rd		City, State, Zip: Calsbad, NM	88220		ren				sis and								RCRA
		M 88220	)	Phone: 575-689-7597				= 1							-				
05-382-				Email: jim.raley@dvn.com_		8015	8015											State	
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oy:						- BRO	RO I	y 80	/ 826	601	Je 30		100	100		>	<		
Date mpled	Matrix	No. of Containers	Sample ID		Lab Number	DRO/C	GRO/D	втехь	VOCby	Metals	Chloric		BGDOG	верос				Remarks	ofof
14/22	Soil	1 Jar		CONF36 - 5'	1								х						
14/22	Soil	1 Jar		CONF39 - 4'	2								x						
14/22	Soil	1 Jar		CONF40 - 5'	3								х						
14/22	Soil	1 Jar		CONF41 - 4'	4								х						
14/22	Soil	1 Jar		CONF09 - 12'	5								х						
14/22	Soil	1 Jar		CONF10 - 12'	6					1			х						
14/22	Soil	1 Jar		CONF13 - 5.5'	7				-1				х						
14/22	Soil	1 Jar		CONF11 - 5'	8								х						
14/22	Soil	1 Jar		CONF14 - 5'	9								х						
14/22	Soil	1 Jar		CONF46Wall - 1'	10								х						
nstructi	ions: K	ept on ic	ce, Please CC: co	le.burton@wescominc.com, sha	r.harvester@we	scom	inc.co	om, j	im.ra	aley@	dvn.c	om, as	nley.	giove	engo(	@wesco	minc.c	om	
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	y:  ate upled 4/22 4/22 4/22 4/22 4/22 4/22 4/22 4/2	y:  ate   Matrix    4/22   Soil    4/23   Soil    4/24   Soil    4/25   Soil    4/26   Soil    4/27   Soil    4/28   Soil    4/29   Soil    4/20   Soil    4/20   Soil    4/21   Soil    4/22   Soil    4/22   Soil    4/23   Soil    4/24   Soil    4/25   Soil    4/26   Soil    4/27   Soil    4/28   Soil    4/29   Soil    4/20   Soil	Additional pole of the pole of	Additional and the structions:  Additional and the structions:  Additional and the structions:  Additional and the structions:  Additional and the struction is considered fraud and may be grounds for leg (Signature)  Additional and the struction is considered fraud and may be grounds for leg (Signature)  Additional and the struction is considered fraud and may be grounds for leg (Signature)  Additional and the struction is considered fraud and may be grounds for leg (Signature)  Additional and the struction is considered fraud and may be grounds for leg (Signature)  Additional and the struction is considered fraud and may be grounds for leg (Signature)  Additional and the struction is considered fraud and may be grounds for leg (Signature)  Additional and the struction is considered fraud and may be grounds for leg (Signature)  Additional and the struction is considered fraud and may be grounds for leg (Signature)  Additional and the struction is considered fraud and may be grounds for leg (Signature)  Additional and the struction is considered fraud and may be grounds for leg (Signature)  Additional and the struction is considered fraud and may be grounds for leg (Signature)  Additional and the struction is considered fraud and may be grounds for leg (Signature)	Additional piled Matrix No. of Containers Sample ID  Additional Piled No. of Co	stepled Matrix Rood Containers Sample ID  Lab Number  4/22 Soil 1 Jar CONF39 - 4'  4/22 Soil 1 Jar CONF40 - 5'  3 A/22 Soil 1 Jar CONF40 - 5'  3 A/22 Soil 1 Jar CONF40 - 5'  4/22 Soil 1 Jar CONF40 - 12'  4/22 Soil 1 Jar CONF10 - 12'  4/22 Soil 1 Jar CONF10 - 12'  4/22 Soil 1 Jar CONF10 - 12'  4/22 Soil 1 Jar CONF11 - 5'  4/22 Soil 1 Jar CONF14 - 5'  4/22 Soil 1 Jar CONF46Wall - 1'  4/23 Soil 1 Jar CONF46Wall - 1'  4/24 Soil 1 Jar CONF46Wall - 1'  4/25 Soil 1 Jar CONF46Wall - 1'  4/26 Soil 1 Jar CONF46Wall - 1'  4/27 Soil 1 Jar CONF46Wall - 1'  4/28 Soil 1 Jar CONF46Wall - 1'  4/29 Soil 1 Jar CONF46Wall - 1'  4/20 Soil 1 Jar CONF46Wall - 1'  4/20 Soil 1 Jar CONF46Wall - 1'  4/21 Soil 1 Jar CONF46Wall - 1'  4/22 Soil 1 Jar CONF46Wall - 1'  4/23 Soil 1 Jar CONF46Wall - 1'  4/24 Soil 1 Jar CONF46Wall - 1'  4/25 Soil 1 Jar CONF46Wall - 1'  4/26 Soil 1 Jar CONF46Wall - 1'  4/27 Soil 1 Jar CONF46Wall - 1'  4/28 Soil 1 Jar CONF46Wall - 1'  4/29 Soil 1 Jar CONF46Wall - 1'  4/20 Soil 1 Jar CONF46Wall - 1'  4/20 Soil 1 Jar CONF46Wall - 1'  4/21 Soil 1 Jar CONF46Wall - 1'  4/22 Soil 1 Jar CONF46Wall - 1'  4/23 Soil 1 Jar CONF46Wall - 1'  4/24 Soil 1 Jar CONF46Wall - 1'  4/25 Soil 1 Jar CONF46Wall - 1'  4/26 Soil 1 Jar CONF46Wall - 1'  4/27 Soil 1 Jar CONF46Wall - 1'  4/28 Soil 1 Jar CONF46Wall - 1'  4/29 Soil 1 Jar CONF46Wall - 1'  4/20 Soil 1 Jar CONF46Wall - 1'  4/	the piped Matrix Roof Containers Sample ID  CONF36 - 5'  1 Jar  CONF39 - 4'  A/22 Soil 1 Jar  CONF40 - 5'  3 Jar  CONF41 - 4'  A/22 Soil 1 Jar  CONF41 - 4'  A/22 Soil 1 Jar  CONF41 - 4'  CONF10 - 12'  CONF10 - 12'  A/22 Soil 1 Jar  CONF11 - 5'  A/22 Soil 1 Jar  CONF11 - 5'  CONF12 Soil 1 Jar  CONF13 - 5.5'  CONF14 - 5'  A/22 Soil 1 Jar  CONF14 - 5'  CONF15 - 5'  CONF16 - 12'  CONF17 - 12'  CONF17 - 12'  CONF18 - 5.5'  CONF18 - 5.5'  CONF18 - 5.5'  CONF19 - 12'  CONF19 - 12'  CONF11 - 5'  CONF11 - 5'  CONF11 - 5'  CONF14 - 5'  CONF15 - 5'  CONF16 - 12'  CONF16 - 12'  CONF16 - 12'  CONF17 - 12'  CONF18 - 5.5'  CONF18 - 5.5'  CONF19 - 12'  CONF10 - 12'  CONF11 - 5'  CONF11 - 5'  CONF11 - 5'  CONF14 - 5'  CONF14 - 5'  CONF14 - 5'  CONF16 - 12'  CONF16 - 12'  CONF16 - 12'  CONF17 - 12'  CONF18 - 5.5'  CONF18 - 5.5'  CONF19 - 12'  CONF19 - 12'  CONF19 - 12'  CONF10 -	stepled Matrix No. of Containers Sample ID  CONF36 - 5'  1 Jar  CONF39 - 4'  CONF40 - 5'  3 Jar  CONF41 - 4'  CONF41 - 4'  CONF10 - 12'  Soil 1 Jar  CONF10 - 12'  Soil 1 Jar  CONF11 - 5'  CONF11 - 5'  CONF14 - 5'  CONF14 - 5'  CONF14 - 5'  CONF15 - 5'  CONF16 - 12'  CONF16 - 12'  CONF17 - 12'  CONF17 - 12'  CONF18 - 5'  CONF18 - 5'  CONF18 - 5'  CONF18 - 5'  CONF19 - 12'  CONF19 - 12'  CONF19 - 12'  CONF10 - 12'  CONF10 - 12'  CONF11 - 5'  CONF11 - 5'  CONF14 - 5'  CONF16 - 1'  CONF17 - 5'  CONF18 - 5'  CON	the pled Matrix Containers Sample ID  CONF36 - 5'  1 Jar  CONF39 - 4'  CONF40 - 5'  A/22 Soil 1 Jar  CONF40 - 5'  CONF10 - 12'  CONF10 - 12'  CONF10 - 12'  CONF10 - 12'  CONF11 - 5'  CONF11 - 5'  CONF14 - 5'  CONF14 - 5'  CONF15 - 5.5'  CONF15 - 5.5'  CONF16 - 5'  CONF16 - 12'  CONF17 - 5'  CONF18 - 5.5'  CONF18 - 5.5'  CONF19 - 12'  CONF19 - 12'  CONF10 - 12'  CONF10 - 12'  CONF10 - 12'  CONF10 - 12'  CONF11 - 5'  CONF11 - 5'  CONF11 - 5'  CONF14 - 5'  CONF14 - 5'  CONF14 - 5'  CONF14 - 5'  CONF16 - 12'  CONF16 - 12'  CONF16 - 12'  CONF17 - 5'  CONF18 - 5.5'  CONF18 - 5.5'  CONF18 - 5.5'  CONF19 - 12'  C	tet pled Matrix Containers Sample ID  CONF36 - 5'  1 Jar  CONF39 - 4'  2 Soil 1 Jar  CONF40 - 5'  3 Jar  CONF40 - 5'  A/22 Soil 1 Jar  CONF40 - 12'  A/22 Soil 1 Jar  CONF10 - 12'  A/22 Soil 1 Jar  CONF10 - 12'  A/22 Soil 1 Jar  CONF11 - 5'  A/22 Soil 1 Jar  CONF14 - 5'  A/22 Soil 1 Jar  CONF14 - 5'  A/22 Soil 1 Jar  CONF40 - 12'  A/22 Soil 1 Jar  CONF14 - 5'  A/22 Soil 1 Jar  CONF14 - 5'  A/22 Soil 1 Jar  CONF40 - 12'  A/23 Soil 1 Jar  CONF14 - 5'  A/24 Soil 1 Jar  CONF40 - 12'  A/25 Soil 1 Jar  CONF14 - 5'  A/26 Soil 1 Jar  CONF40 - 12'  A/27 Soil 1 Jar  CONF40 - 12'  A/28 Soil 1 Jar  CONF14 - 5'  A/29 Soil 1 Jar  CONF40 - 12'  A/29 Soil 1 Jar  CONF40 - 12'  A/29 Soil 1 Jar  CONF10 - 12'  A/29 Soil 1 Jar  CONF10 - 12'  A/29 Soil 1 Jar  CONF11 - 5'  A/29 Soil 1 Jar  CONF40 - 12'  A/29 Soil 1 Jar  CONF10 - 12'  A/29 Soil 1 Jar  CONF40 - 12'  A/20 Soil 1 Jar  A/20 Soil 1 Jar  CONF40 - 12'  A/20 Soil 1 Jar  CONF40 - 12'  A/2	ate pled Matrix Containers Sample ID  CONF36 - 5'  1 Jar  CONF39 - 4'  2 Soil 1 Jar  CONF40 - 5'  3 Soil 1 Jar  CONF41 - 4'  CONF41 - 4'  CONF42 Soil 1 Jar  CONF41 - 1'  CONF13 - 5.5'  CONF13 - 5.5'  CONF13 - 5.5'  CONF14 - 5'  CONF14 - 5'	the Matrix onto of Containers Sample ID  Adv22 Soil 1 Jar CONF36 - 5'  Av22 Soil 1 Jar CONF40 - 12'  Av22 Soil 1 Jar CONF10 - 12'  Av22 Soil 1 Jar CONF10 - 12'  Av22 Soil 1 Jar CONF11 - 5'  Av23 Soil 1 Jar CONF14 - 5'  Av24 Soil 1 Jar CONF14 - 5'  Av25 Soil 1 Jar CONF46Wall - 1'  Av26 Soil 1 Jar CONF46Wall - 1'  Av27 Soil 1 Jar CONF46Wall - 1'  Av28 Soil 1 Jar CONF46Wall - 1'  Av29 Soil 1 Jar CONF46Wall - 1'  Av29 Soil 1 Jar CONF46Wall - 1'  Av20 Soil 1 Jar CONF46Wall - 1'  Av30 Sampled by:  Av40 Sample requiring testion is considered fraud and may be grounds for legal action.  Av30 Sampled by:  Av40	the matrix residual properties of the containers	the pled Matrix Roof Containers Sample ID  Advice Soil 1 Jar CONF36 - 5'  Avice Soil 1 Jar CONF40 - 5'  Avice Soil 1 Jar CONF40 - 5'  Avice Soil 1 Jar CONF41 - 4'  Avice Soil 1 Jar CONF40 - 12'  Avice Soil 1 Jar CONF10 - 12'  Avice Soil 1 Jar CONF10 - 12'  Avice Soil 1 Jar CONF11 - 5'  Avice Soil 1 Jar CONF12 - 5'  Avice Soil 1 Jar CONF14 - 5'  Avice Soil 1 Jar CO	the pled Matrix Containers Sample ID  CONF36 - 5'  1 Jar  CONF39 - 4'  CONF40 - 5'  3 Jar  CONF41 - 4'  CONF40 - 5'  Available Conf40 - 5'  CONF40 - 5'  CONF40 - 12'  CONF10 - 12'  CONF10 - 12'  CONF10 - 12'  CONF11 - 5'  CONF11 - 5'  CONF11 - 5'  CONF14 - 5'  CONF14 - 5'  CONF14 - 5'  CONF15 - 5'  CONF16 - 5'  CONF16 - 5'  CONF16 - 5'  CONF17 - 12'  CONF18 - 5'  CONF19 - 12'  CONF10 - 12'  CONF10 - 12'  CONF11 - 5'  CONF11 -	Number   N	tate the pled Matrix Root of Confederations Sample ID  Liab Number Service Soil 1 Jar CONF36 - 5'  A/22 Soil 1 Jar CONF40 - 5'  A/22 Soil 1 Jar CONF10 - 12'  A	Matrix   M	The control of the co

Client: Devon Project: Ross Draw Unit #014 Project Manager: Ashley Giovengo Address: 1224 Standpipe Rd				Bill To Attention: Jim Raley Address: 5315 Buena Vista Dr City, State, Zip: Calsbad, NM 88220		Lab Use Only						TAT			EPA Program			
						Lab WO#				Job Number		1D	2D	3D		CWA S	SDWA	
						E209079								x				
												od					RCRA	
	e, Zip: Ca		M 88220	)	Phone: 575-689-7597				-					-				
	505-382		37.186.0		Email: jim.raley@dvn.com		015	8015									State	
	ashley.gio	vengo@v	wescomi	nc.com			by 80	by 80	8021	09	0	0.00	ΣX		1	NM CO	UT AZ	TX
eport d						Towns .	ORO.	ORO	у 8С	y 82	s 601	de 3(		×	de l	×		
Time ampled	Date Sampled	Matrix	No. of Containers	Sample ID		Lab Number	DRO/ORO by 8015	GRO/DRO by	втех by	VOC by 8260	Metals 6010	Chloride 300.0	верос	BGDOC			Remarks	
13:45	9/14/22	Soil	1 Jar		CONF47Wall - 1'	11							x					
13:50	9/14/22	Soil	1 Jar		CONF48Wall - 1'	12							х					
13:56	9/14/22	Soil	1 Jar		CONF49Wall - 1'	13							х					
													1					-
			-										1					
ddition	al Instruc	ions: K	l Cept on ic	ce, Please CC: co	le.burton@wescominc.com, shar.h	arvester@we	com	inc.co	om, j	im.ra	aley@	@dvn.com,	ashley	.giov	engo	@wescominc.	com	
				ticity of this sample. I may be grounds for le	am aware that tampering with or intentionally mis	slabelling the sample	e locati	on,				A CONTRACTOR OF THE PARTY OF TH				ceived on ice the day t	and the second second	ed or receiv
etinguish	ed by: (Sterne	ture)	Date 09	1/15/22 Time	30 m Regeived by: (Signature)	1-15	3	Time	Q!3	32	Rece	eived on ice	: 6	ab U	se On	ly		
11/	ed by: (Signa ed by: (Signa	A) -3-31	Date	-150-6	Received by: (Signature) Received by: (Signature)	Date Date	lzz	Time /OS Time	41		<u>T1</u>		<u>T2</u>			<u>T3</u>		
4.000	-1. (0				, , , , , , , , , , , , , , , ,						AVG	Temp °C	4					
	Name and Administration	6 1:1 6	Cl. de a	Aqueous, O - Other		Containe	. T		o indexe		-		-					



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

# **Envirotech Analytical Laboratory**

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)		
<i>-</i>						
	f Custody (COC)					
	the sample ID match the COC?	tab the COC	Yes			
	the number of samples per sampling site location man	ich the COC	Yes			
	samples dropped off by client or carrier?	-4- d10	Yes Yes	Carrier: <u>UPS</u>		
	ne COC complete, i.e., signatures, dates/times, reques	sted analyses?				
5. were	all samples received within holding time?  Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion.		Yes		<u>Comment</u>	ts/Resolution
	<u> Turn Around Time (TAT)</u>					
6. Did th	e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample						
	sample cooler received?		Yes			
8. If yes,	was cooler received in good condition?		Yes			
9. Was th	ne sample(s) received intact, i.e., not broken?		Yes			
10. Were	custody/security seals present?		No			
11. If yes	s, were custody/security seals intact?		NA			
	he sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes <u>C</u>			
Sample	<u>Container</u>					
	aqueous VOC samples present?		No			
	VOC samples collected in VOA Vials?		NA			
	e head space less than 6-8 mm (pea sized or less)?		NA			
	a trip blank (TB) included for VOC analyses?		NA			
	non-VOC samples collected in the correct containers'	?	Yes			
	appropriate volume/weight or number of sample contain		Yes			
Field La	•					
•	field sample labels filled out with the minimum info	ormation:				
	Sample ID?		Yes			
	Date/Time Collected?		Yes			
	Collectors name?		No			
	Preservation	10				
	the COC or field labels indicate the samples were pr	reserved?	No			
	sample(s) correctly preserved?	. 1.0	NA			
	o filteration required and/or requested for dissolved n	netals?	No			
	ase Sample Matrix					
	the sample have more than one phase, i.e., multipha		No			
27. If ye	s, does the COC specify which phase(s) is to be analy	yzed?	NA			
Subcont	ract Laboratory					
	samples required to get sent to a subcontract laborato a subcontract laboratory specified by the client and it	-	No NA	Subcontract Lab: na		
Client I	nstruction					
						_

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

Date

envirotech Inc.

# ATTACHMENT F

48-hour Confirmation Sampling Notification Emails

From: <u>Cole Burton</u>

To: <u>Ashley Giovengo</u>; <u>OCD.Enviro@state.nm.us</u>

Cc: <u>Joey Croce</u>; <u>Cody York</u>; <u>Shar Harvester</u>; <u>Israel Estrella</u>; <u>Raley</u>, <u>Jim</u>

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 <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,

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 < <u>Joey.Croce@WescomInc.com</u>>; Cody York < <u>cody.york@wescominc.com</u>>; Cole Burton < <u>cole.burton@wescominc.com</u>>; Shar Harvester < <u>Shar.Harvester@WescomInc.com</u>>; Israel

Estrella < <a href="mailto:lsrael.Estrella@wescominc.com">! Raley, Jim' < <a href="mailto:Jim.Raley@dvn.com">Jim.Raley@dvn.com</a>>

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

Wescoml nc.com | ashley.giovengo@Wescomlnc.com

**From:** Ashley Giovengo

**Sent:** Tuesday, August 23, 2022 8:01 AM

"I am in charge of my own safety."

**To:** 'OCD.Enviro@state.nm.us' < < OCD.Enviro@state.nm.us >

**Cc:** Joey Croce <<u>Joey.Croce@WescomInc.com</u>>; Cody York <<u>cody.york@wescominc.com</u>>; Cole Burton <<u>cole.burton@wescominc.com</u>>; Shar Harvester <<u>Shar.Harvester@WescomInc.com</u>>; Israel Estrella <<u>Israel.Estrella@wescominc.com</u>>; 'Raley, Jim' <<u>Jim.Raley@dvn.com</u>>

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

Wescoml nc.com | ashley.giovengo@Wescomlnc.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 < <u>Joey.Croce@WescomInc.com</u>>; Cody York < <u>cody.york@wescominc.com</u>>; Cole Burton < <u>cole.burton@wescominc.com</u>>; Shar Harvester < <u>Shar.Harvester@WescomInc.com</u>>; Israel Estrella < <u>Israel.Estrella@wescominc.com</u>>; Raley, Jim < <u>Jim.Raley@dvn.com</u>>

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

Wescoml nc.com | ashley.giovengo@Wescomlnc.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

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

#### CONDITIONS

Created By		Condition Date
jharimon	None	1/3/2023