Broadside 12 Facility 2

2/8/2024

ocd incident nAPP2403957544

Spill Volume(Bbls) Calculator								
Inputs in blue, Outputs in red								
Cor	Contaminated Soil measurement							
Area (squa	are feet)	Depth(inches)						
<u>3,05</u>	<u>54</u>	<u>0.250</u>						
Cubic Feet of S	oil Impacted	<u>63.628</u>						
Barrels of Soi	l Impacted	<u>11.34</u>						
Soil T	ype	Clay/Sand						
Barrels of water 100% Sate		<u>1.70</u>						
Saturation	Fluid p	resent when squeezed						
Estimated E water Re		0.85						
	Free Standi	ng Fluid Only						
Area (squa	are feet)	Depth(inches)						
3,05	<u>54</u>	0.125						
Standing	g fluid	<u>5.671</u>						
Total fluid	s spilled	<u>7.372</u>						



August 19, 2024

New Mexico Energy Minerals and Natural Resources Department New Mexico Oil Conservation Division 1220 South St. Francis Drive Santa Fe. New Mexico 87505

Re: Closure Request

Broadside 12 Facility 2

Incident Number nAPP2403957544

Lea County, New Mexico

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of Devon Energy Production Company, LP (Devon), has prepared this *Closure Request* to document assessment, excavation, and soil sampling activities at the Broadside 12 Facility 2 (Site). The Site is located in Unit P, Section 12, Township 24 South, Range 33 East, in Lea County, New Mexico (32.2259306°, -103.5185014°) and is associated with oil and gas exploration and production operations on Private Land.

The purpose of the Site assessment and soil sampling activities was to assess for the presence or absence of impacts to soil following a release of produced water. Based on field observations, field screening activities, and soil sampling laboratory analytical results, Devon is submitting this *Closure Request*, describing Site assessment, excavation, and delineation activities that have occurred and requesting no further action for Incident Number nAPP2403957544.

BACKGROUND

On February 8, 2024, a pin hole leak on a 6-inch water trunk line resulted in the release of approximately 7 barrels (bbls) of produced water onto the caliche pad; 0 bbls were recovered. Devon reported the release to the New Mexico Oil Conservation Division (NMOCD) via web portal on February 8, 2024. The release was subsequently assigned Incident Number nAPP2403957544.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

The Site was characterized to assess applicability of Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29 (19.15.29) of the New Mexico Administrative Code (NMAC). Results from the characterization desktop review are presented on the initial C-141 application subsection, Site Characterization. Potential Site receptors are identified on Figure 1.

The closest permitted groundwater well with depth to groundwater data is a New Mexico Office of the State Engineer (NMOSE) well, C 04838 POD1, which is located 178 feet northwest of the edge of the release extent. The boring was drilled to investigate depth to water for the Site on July 25, 2024. The well was drilled to a total depth of 105 feet below ground surface (bgs). The boring was allowed to equilibrate for at least 72 hours to allow for potentially slow in-filling groundwater to collect. Following the waiting period, groundwater was not encountered, and it has been determined that groundwater is

Ensolum, LLC | Environmental, Engineering & Hydrogeologic Consultants 3122 National Parks Highway | Carlsbad, New Mexico 88220 | ensolum.com



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

The closest continuously flowing or significant watercourse to the Site is a freshwater pond, located approximately 626 north of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (low potential karst designation area). Site receptors are identified on Figure 1.

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

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

SITE ASSESSMENT AND DELINEATION SOIL SAMPLING ACTIVITIES

Beginning on February 19, 2024, Ensolum personnel were onsite to evaluate the release extent and to conduct lateral delineation soil sampling. Four lateral delineation soil samples (SS01 through SS04) were collected from around the release extent at ground surface. Photographic documentation was completed during the Site visit and a photographic log is included as Appendix B. Ensolum personnel returned to the Site on February 18, 2024, to assess the vertical extent of the release area and two boreholes (BH01 and BH02) were advanced via hand auger within the release extent. Boreholes (BH01 and BH02) were advanced to a depth of 2 feet bgs. Discrete delineation soil samples were collected from each borehole at every foot, and field screened for TPH using a PetroFLAG® Soil Analyzer Kit and for chloride utilizing Hach® chloride QuanTab® test strips. Field screening results and observations for the boreholes were logged on lithologic/soil sampling logs, which are included in Appendix C. The delineation soil sample locations are depicted on Figure 2.

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

EXCAVATION AND CONFIRMATION SOIL SAMPLING ACTIVITIES

Beginning on July 30, 2024, Kelly Oilfield Services completed a surface scrape of the subject matter release in order to remove visible surface staining and any gross impacts from the release. Excavation



activities were performed using a backhoe and hand tools. To direct excavation activities, Ensolum personnel field screened soil samples in the same manner as previously described.

Following the removal of waste-containing soil, Ensolum personnel collected 5-point composite soil samples representing at least 200 square feet from the floor of the excavation. The 5-point composite samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. Composite soil samples (FS01 through FS14) were collected from the floor of the excavation at depths ranging from ground surface to 0.5 feet bgs. Due to the shallow nature of the excavation, sidewall soil was incorporated into the floor confirmation samples. The excavation soil samples were collected, handled, and analyzed following the same procedures as described above. The excavation extent and excavation soil sample locations are presented on Figure 3.

The final excavation extent measured approximately 2,628 square feet. A total of approximately 40 cubic yards of waste-containing soil was removed during the excavation activities. The waste-containing soil was transported and properly disposed of at the Northern Delaware Basin Landfill Facility in Jal, New Mexico.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for lateral delineation soil samples (SS01 through SS04), collected at ground surface, indicated all COC concentrations were compliant with Site Closure Criteria and with the strictest Closure Criteria per NMOCD Table I. Laboratory analytical results for the vertical delineation soil samples collected from boreholes (BH01 and BH02) indicated all COC concentrations were in compliance with the Site Closure Criteria at ground surface and with the strictest Closure Criteria at 2 feet bgs.

Laboratory analytical results for excavation floor soil samples (FS01 through FS14) indicated all COC concentrations were in compliance with the Site Closure Criteria at depths ranging from ground surface to 0.5 feet bgs. Laboratory analytical results are summarized in Tables 1 and 2 and the complete laboratory analytical reports are included as Appendix D.

CLOSURE REQUEST

The release extent has been laterally defined by delineation soil samples SS01 through SS04, collected at ground surface, and vertically defined by boreholes BH01 and BH02, collected at a terminal depth of 2 feet bgs. Excavation of waste-containing soil has been completed, and excavation floor samples (FS01 through FS14), collected at depths ranging from ground surface to 0.5 feet bgs, were all in compliance with the Site Closure Criteria.

Based on the remedial actions completed to date and a depth to groundwater greater than 105 feet bgs, Devon believes these remedial actions are protective of human health, the environment, and groundwater and as such, respectfully requests closure for Incident Number nAPP2403957544.

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

Sincerely, **Ensolum, LLC**

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

Appendices:

Figure 1	Site Receptor Map
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Figure 2 Delineation Soil Sample Locations Figure 3 Excavation Soil Sample Locations

Table 1 Soil Sample Analytical Results (Delineation Soil Samples)
Table 2 Soil Sample Analytical Results (Excavation Soil Samples)

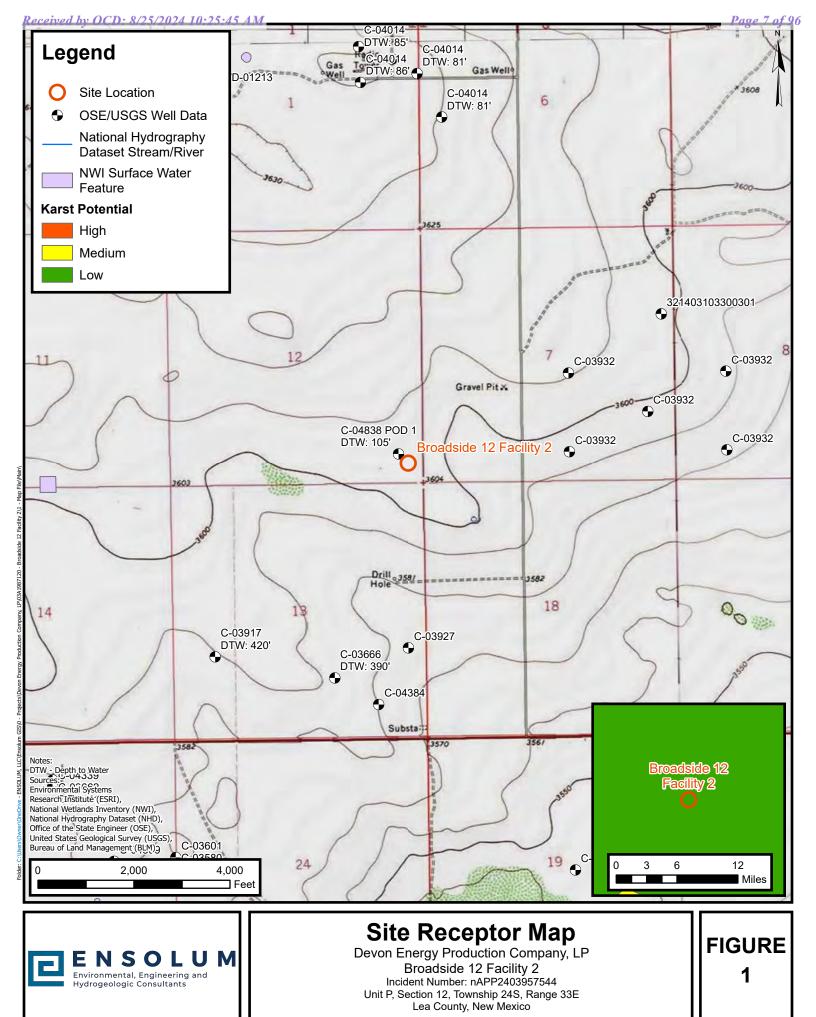
Appendix A Well Log and Record Appendix B Photographic Log

Appendix C Laboratory Analytical Reports & Chain-of-Custody Documentation

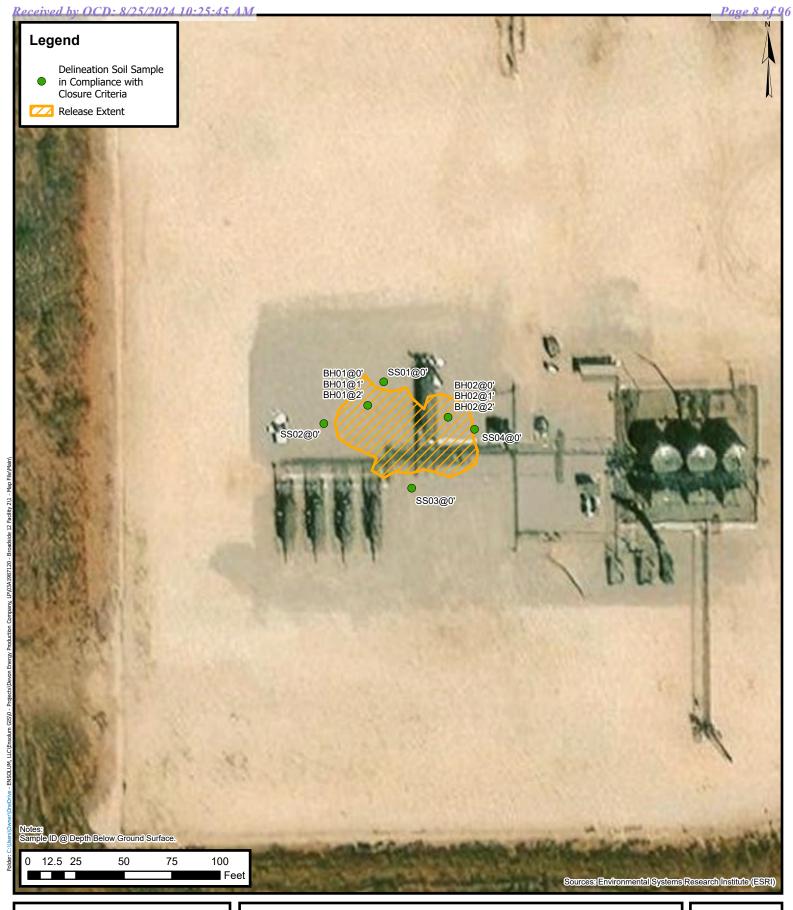
Appendix D NMOCD Correspondence



FIGURES



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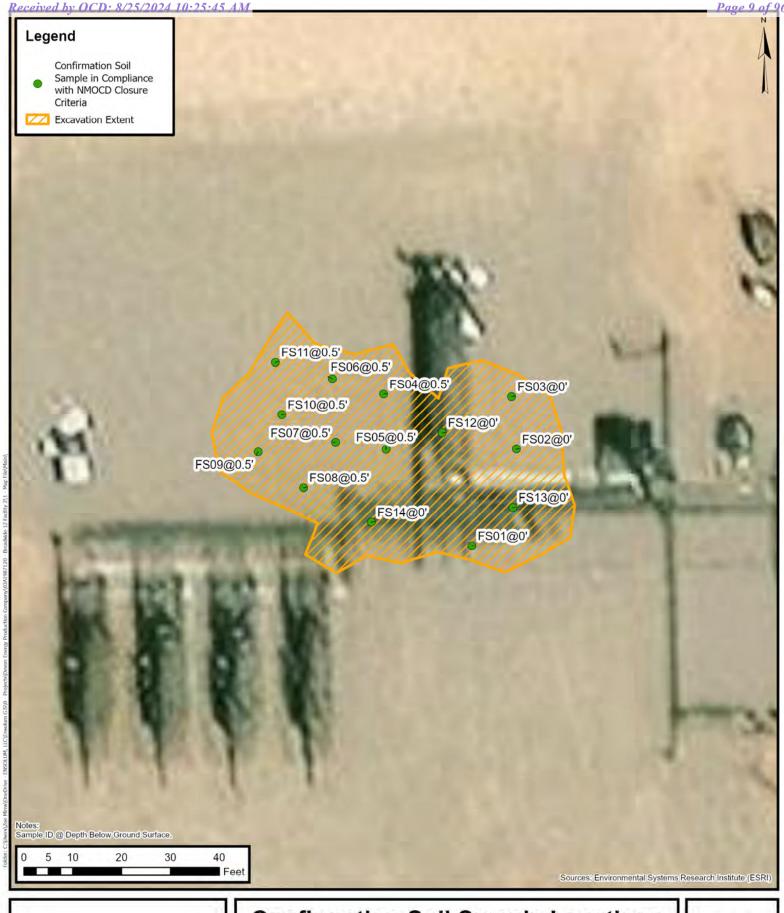
Delineation Soil Sample Locations

Devon Energy Production Company, LP

Broadside 12 Facility 2

Incident Number: nAPP2403957544 Unit P, Section 12, Township 24S, Range 33E Lea County, New Mexico

FIGURE 2





Confirmation Soil Sample Locations Devon Energy Production Company, LP

Devon Energy Production Company, LP Broadside 12 Facility 2 Incident Number: nAPP2403957544 Unit P, Section 12, Township 24S, Range 33E Lea County, New Mexico FIGURE 3

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TABLES



TABLE 1

SOIL SAMPLE ANALYTICAL RESULTS

Broadside 12 Facility 2
Devon Energy Production Company, LP
Lea County, New Mexico

= = = = = = = = = = = = = = = = = = =												
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)		
NMOCD Table I	Closure Criteria	(NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	20,000		
Delineation Soil Samples												
SS01	2/19/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0		
SS02	2/19/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0		
SS03	2/19/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	64.9		
SS04	2/19/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0		
BH01	2/28/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	6,760		
BH01	2/28/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,760		
BH01	2/28/2024	2	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	187		
BH02	2/28/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	5,100		
BH02	2/28/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,030		
BH02	2/28/2024	2	< 0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	40.7		

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Grey text represents samples that have been excavated

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

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

TPH: Total Petroleum Hydrocarbon

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

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

ORO: Oil Range Organics



GRO: Gasoline Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

DRO: Diesel Range Organics

ORO: Oil Range Organics

TABLE 2

SOIL SAMPLE ANALYTICAL RESULTS

Broadside 12 Facility 2 Devon Energy Production Company, LP Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)				
NMOCD Table I	Closure Criteria	(NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	20,000				
	Confirmation Soil Samples													
FS01	8/1/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	7,020				
FS02	8/1/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	4,400				
FS03	8/1/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	3,030				
FS04	8/1/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,030				
FS05	8/1/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	3,950				
FS06	8/1/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,810				
FS07	8/1/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	3,550				
FS08	8/1/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	4,850				
FS09	8/1/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	5,640				
FS10	8/1/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	3,750				
FS11	8/1/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	2,320				
FS12	8/1/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	6,460				
FS13	8/1/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	5,970				
FS14	8/1/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	4,560				

Notes:

bgs: below ground surface mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Grey text represents samples that have been excavated "<": Laboratory Analytical result is less than reporting limit

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

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



APPENDIX A

Well Log and Record



NO	OSE POD NO. (W	ELL NO)	WI N/	ELL TAG ID NO A			OSE FILE NO			
OCATI	WELL OWNER NAME(S) Devon Energy Production Company						PHONE (OPTIONAL) 575-748-1838				
WELL	WELL OWNER MAILING ADDRESS 205 E. Bender Road #150						CITY Hobbs		STATE NM 88240	ZIP	
1. GENERAL AND WELL LOCATION	WELL LOCATION (FROM GPS) D LATITUDE		TTUDE	GREES 32 103	32 13 35.3 _N				Y REQUIRED: ONE TEN	ITH OF A SECOND	
1. GENE	DESCRIPTION F	ELATIN	GUTUDE GWELL LOCATION TO Ownship 24S, Rang	STREET ADDRESS		08.9	W S – PLS			IERE AVAILABLE	
	LICENSE NO WD1188		NAME OF LICENSED	DRILLER	Scarborough				NAME OF WELL DR	ILLING COMPANY arborough Drilling Inc	<u> </u>
	DRILLING STAR 06/06/202		DRILLING ENDED 06/06/2024	DEPTH OF COMPL	ETED WELL (FT) 105	BOI	RE HO	LE DEPTH (FT) 105	DEPTH WATER FIR	ST ENCOUNTERED (FT. N/A	
Z	COMPLETED W	ELL IS:	ARTESIAN	✓ DRY HOLE	SHALLOW	(UNCONFIN	IED)		STATIC WATER LEV	VEL IN COMPLETED WE N/A	ELL (FT)
VTIO	DRILLING FLUII	o.	✓ AIR	☐ MUD	ADDITIVE	S – SPECIFY:					
RM/	DRILLING METI	HOD:	▼ ROTARY	R - SPECIFY:							
DRILLING & CASING INFORMATION	DEPTH (feet bgl) FROM TO DIAM (inches)		CASING MATERIAL AND/OR GRADE (include each casing string, and			CASING CONNECTION TYPE		CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)	
G & CA	0	105	5		note sections of screen) (ad Soil Boring		d coup	ling diameter)	-	•	+
2. DRILLI											
	DEPTH (fee	et bgl)	BORE HOLE	LIST	ANNULAR SEA	NNULAR SEAL MATERIAL AND			AMOUNT	метно	D OF
ERIAL	FROM	то	DIAM. (inches)	GRAVE	L PACK SIZE-R N/	1000	INTE	ERVAL	(cubic feet)	PLACEN	MENT
ANNULAR MATERIAL											
3.											
Table STEE	OSE INTERNA	L USE			Tage See				20 WELL RECORD	& LOG (Version 04/3	0/19)
FILE					POD NO.		-	TRN		The States	2 6 6 7 0
LOC	ATION							WELL TAG	ID NO	PAGE	1 OF 2

PAGE 2 OF 2

WELL TAG ID NO

	DEPTH (f	ect bgl)		COLOR AND TYPE OF MATERIAL ENCOUNTERED -		WATER	ESTIMATED				
	FROM	то	THICKNESS (feet)	INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZO (attach supplemental sheets to fully describe all units)		BEARING? (YES / NO)	YIELD FOR WATER- BEARING ZONES (gpm)				
	0	10	10	Sand with Gravel, light brown to white, fine to medium with some ca	liche gravel	Y /N					
	10	20	10	Sand with Gravel, light brown to white, fine to medium with some ca	liche gravel	Y ✓N					
	20	30	10	Sand with Gravel, light brown to tan, fine to medium with some called	he gravel	Y ✓N					
	30	40	10	Sand with Gravel, light brown to brown, fine to medium with trace ca	y ✓n						
	40	50	10	Sand, brown to red, fine to medium	Y ✓N						
3	50	60	10	Sand with gravel, light brown to brown, fine to medium with some ca	liche grave	Y /N					
4. HTDROGEOLOGIC LOG OF WELL	60	70	10	Sand with Clay, red to dark brown, medium to very fine							
5	70	80	10	Sand with Clay, brown to dark brown, medium to very fine		Y ✓N					
	80	90	10	Sand with Clay, brown to dark brown, medium to very fine		Y ✓N					
	90	100	10	Sand with Clay, brown to dark brown, medium to very fine		Y ✓N					
3	100	105	5	Sand with Clay, brown to dark brown, medium to very fine		Y ✓N					
25	105	105	0	Sand with Clay, brown to dark brown, medium to very fine		Y √N					
2						Y N					
						Y N					
i						Y N					
						Y N					
			1			Y N					
						Y N					
						Y N					
						Y N					
						Y N					
	METHOD U	JSED TO E	STIMATE YIEL	D OF WATER-BEARING STRATA:	TOTA	L ESTIMATED					
	PUM	P []	AIR LIFT	BAILER OTHER - SPECIFY:	WELI	L YIELD (gpm):	0.00				
TEST; RIG SUPERVISION	WELL TES	STAF	FORMATION: 7	TACH A COPY OF DATA COLLECTED DURING WELL TESTING IME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN Femporary well material removed and soil boring backfilled using below ground surface (bgs), then hydrated bentonite chips 10 ft by the state of the surface (bgs).	OVER THE	TESTING PERIO	D.				
S. TEST; R	PRINT NA	ME(S) OF D	DRILL RIG SUPE	ERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL	CONSTRUC	TION OTHER TH	AN LICENSEE				
SIGNATURE	RECORD O	F THE ABO ORD WILL	OVE DESCRIBE		, HAS BEEN	N INSTALLED AN	ID THAT THIS				
9		SIGNAT	TURE OF DRILL	ER / PRINT SIGNEE NAME		DATE					
-	0.000	NAL COT		WD 40	WELLBE	CORD & LOC CO	0.30				
	R OSE INTER	NAL USE		POD NO TRN N		CORD & LOG (Ve	rsion 04/30/201				

LOCATION



APPENDIX B

Photographic Log

Photographic Log

Devon Energy Producion Company, LP Broadside 12 Facility 2 Incident Number: nAPP2403957544





Photograph 1 Date: 02/19/2024 Photograph 2 Date: 02/19/2024

Description: Site Signage View: South

Description: Release Area
View: Southeast





Photograph 3 Date: 02/19/2024 Photograph 4 Date: 02/19/2024

Description: Release Area

View: North

View: Northwest

Photographic Log

Devon Energy Producion Company, LP Broadside 12 Facility 2 Incident Number: nAPP2403957544





Photograph 5 Date: 02/19/2024 Description: Releae Area

ription: Releae Area View: Northeast Photograph 6 Date: 02/19/2024 Description: Delineation Soil Sampling (SS02)

View: Southeast





Photograph 7 Date: 02/19/2024

Description: Delineation Soil Sampling (SS03)

View: East

Photograph 8 Date: 02/28/2024

Description: Vertical Delineation Soil Sampling

View: South

Photographic Log

Devon Energy Producion Company, LP Broadside 12 Facility 2 Incident Number: nAPP2403957544





Photograph 9 Date: 02/28/2024

Description: Vertical Delineation Soil Sampling

View: West

Photograph 10 Date: 02/28/2024 Description: Vertical Delineation Soil Sampling

View: Southwest





Date: 06/06/2024

Photograph 11 Date: 06/06/2024

Description: DTW Drilling View: Southwest

Photograph 12 Description: DTW Drilling

View: Southwest

Photographic Log

Devon Energy Producion Company, LP Broadside 12 Facility 2 Incident Number: nAPP2403957544





Date: 08/01/2024

Date: 08/01/2024

Photograph 13 Date: 08/01/2024

Description: Excavation Extent

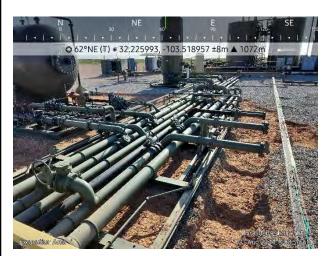
View: South

Photograph 14

Description: Excavation Extent

View: Northeast





Photograph 15

Description: Excavation Extent

View: East

Photograph 16

Description: Excavation Extent

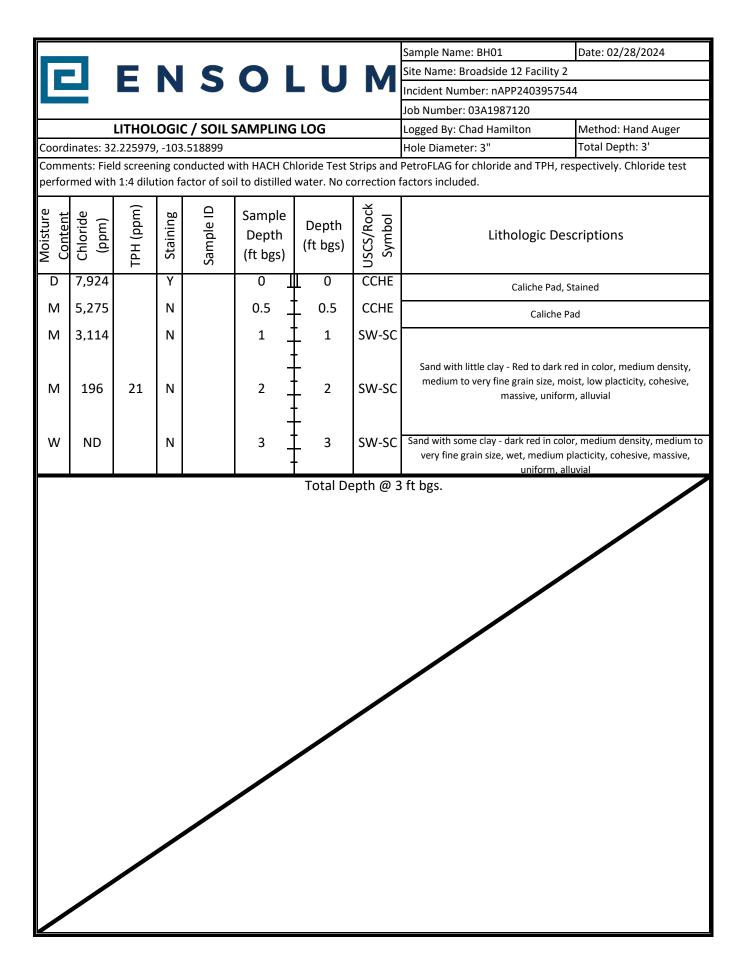
View: Northeast

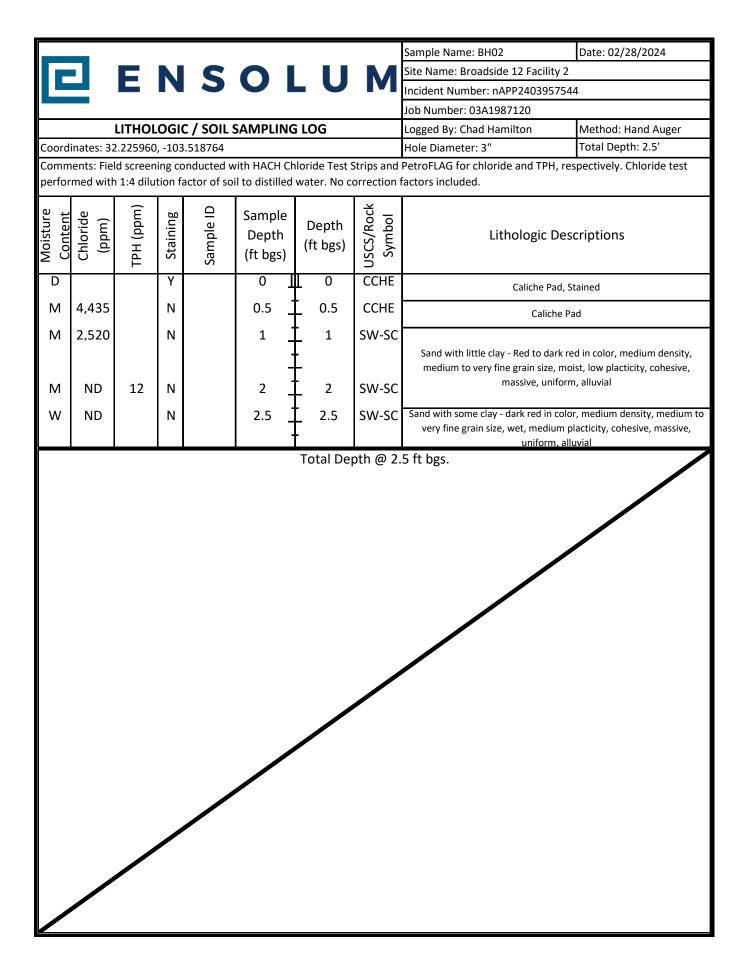
Date: 08/01/2024



APPENDIX C

Lithologic Soil Sampling Logs







APPENDIX D

Laboratory Analytical Reports & Chain-of-Custody Documentation

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name: Broadside 12 Facility 2

Work Order: E402189

Job Number: 01058-0007

Received: 2/21/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 2/26/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.

Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 2/26/24

Ashley Giovengo 6488 7 Rivers Hwy Artesia, NM 88210

Project Name: Broadside 12 Facility 2

Workorder: E402189

Date Received: 2/21/2024 5:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/21/2024 5:30:00AM, under the Project Name: Broadside 12 Facility 2.

The analytical test results summarized in this report with the Project Name: Broadside 12 Facility 2 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,

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Sample Summary

Devon Energy - Carlsbad	Project Name:	Broadside 12 Facility 2	Donoutoda
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	02/26/24 13:08

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
SS01-0'	E402189-01A Soil	02/19/24	02/21/24	Glass Jar, 2 oz.
SS02-0'	E402189-02A Soil	02/19/24	02/21/24	Glass Jar, 2 oz.
SS03-0'	E402189-03A Soil	02/19/24	02/21/24	Glass Jar, 2 oz.
SS04-0'	E402189-04A Soil	02/19/24	02/21/24	Glass Jar, 2 oz.



Devon Energy - Carlsbad	Project Name:	Broadside 12 Facility 2	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/26/2024 1:08:11PM

SS01-0' E402189-01

	E402189-01				
	Reporting				
Result	Limit	Dilution	n Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	ılyst: BA		Batch: 2408051
ND	0.0250	1	02/21/24	02/25/24	
ND	0.0250	1	02/21/24	02/25/24	
ND	0.0250	1	02/21/24	02/25/24	
ND	0.0250	1	02/21/24	02/25/24	
ND	0.0500	1	02/21/24	02/25/24	
ND	0.0250	1	02/21/24	02/25/24	
	95.0 %	70-130	02/21/24	02/25/24	
mg/kg	mg/kg	Ana	ılyst: BA		Batch: 2408051
ND	20.0	1	02/21/24	02/25/24	
	90.7 %	70-130	02/21/24	02/25/24	
mg/kg	mg/kg	Ana	ılyst: NV		Batch: 2408062
ND	25.0	1	02/21/24	02/22/24	
ND	50.0	1	02/21/24	02/22/24	
	87.4 %	50-200	02/21/24	02/22/24	
mg/kg	mg/kg	Ana	alyst: DT		Batch: 2408066
ND	20.0	1	02/21/24	02/22/24	
	mg/kg ND Mg/kg ND mg/kg	Result Reporting mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 mg/kg mg/kg Mg/kg mg/kg ND 20.0 90.7 % mg/kg mg/kg mg/kg ND 25.0 ND 50.0 87.4 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg Ana ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 MD 0.0250 1 MD 0.0250 1 MD 20.0250 1 Mg/kg mg/kg Ana ND 20.0 1 Mg/kg mg/kg Ana ND 25.0 1 ND 50.0 1 87.4 % 50-200 mg/kg mg/kg Ana	Reporting Result Limit Dilution Prepared mg/kg mg/kg Analyst: BA ND 0.0250 1 02/21/24 ND 0.0250 1 02/21/24 ND 0.0250 1 02/21/24 ND 0.0500 1 02/21/24 ND 0.0500 1 02/21/24 ND 0.0250 1 02/21/24 mg/kg mg/kg Analyst: BA ND 20.0 1 02/21/24 mg/kg mg/kg Analyst: NV ND 25.0 1 02/21/24 ND 50.0 1 02/21/24 87.4 % 50-200 02/21/24 </td <td>Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: BA ND 0.0250 1 02/21/24 02/25/24 ND 0.0250 1 02/21/24 02/25/24 ND 0.0250 1 02/21/24 02/25/24 ND 0.0500 1 02/21/24 02/25/24 ND 0.0500 1 02/21/24 02/25/24 ND 0.0250 1 02/21/24 02/25/24 mg/kg mg/kg Analyst: BA ND 20.0 1 02/21/24 02/25/24 mg/kg mg/kg Analyst: BA ND 20.0 1 02/21/24 02/25/24 mg/kg mg/kg Analyst: NV ND 25.0 1 02/21/24 02/25/24 ND 50.0 1 02/21/24 02/22/24 ND 50.0 1 02/21/24 02/22/24</td>	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: BA ND 0.0250 1 02/21/24 02/25/24 ND 0.0250 1 02/21/24 02/25/24 ND 0.0250 1 02/21/24 02/25/24 ND 0.0500 1 02/21/24 02/25/24 ND 0.0500 1 02/21/24 02/25/24 ND 0.0250 1 02/21/24 02/25/24 mg/kg mg/kg Analyst: BA ND 20.0 1 02/21/24 02/25/24 mg/kg mg/kg Analyst: BA ND 20.0 1 02/21/24 02/25/24 mg/kg mg/kg Analyst: NV ND 25.0 1 02/21/24 02/25/24 ND 50.0 1 02/21/24 02/22/24 ND 50.0 1 02/21/24 02/22/24



Devon Energy - Carlsbad	Project Name:	Broadside 12 Facility 2	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/26/2024 1:08:11PM

SS02-0'

E402189-02

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2408051
Benzene	ND	0.0250	1	02/21/24	02/25/24	
Ethylbenzene	ND	0.0250	1	02/21/24	02/25/24	
Toluene	ND	0.0250	1	02/21/24	02/25/24	
o-Xylene	ND	0.0250	1	02/21/24	02/25/24	
p,m-Xylene	ND	0.0500	1	02/21/24	02/25/24	
Total Xylenes	ND	0.0250	1	02/21/24	02/25/24	
Surrogate: 4-Bromochlorobenzene-PID		94.4 %	70-130	02/21/24	02/25/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2408051
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/21/24	02/25/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.8 %	70-130	02/21/24	02/25/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: NV		Batch: 2408062
Diesel Range Organics (C10-C28)	ND	25.0	1	02/21/24	02/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/21/24	02/22/24	
Surrogate: n-Nonane		91.5 %	50-200	02/21/24	02/22/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: DT		Batch: 2408066
Amons by E171 500:0/7030/1						



Devon Energy - Carlsbad	Project Name:	Broadside 12 Facility 2	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/26/2024 1:08:11PM

SS03-0'

E402189-03

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2408051
Benzene	ND	0.0250	1	02/21/24	02/25/24	
Ethylbenzene	ND	0.0250	1	02/21/24	02/25/24	
Toluene	ND	0.0250	1	02/21/24	02/25/24	
o-Xylene	ND	0.0250	1	02/21/24	02/25/24	
p,m-Xylene	ND	0.0500	1	02/21/24	02/25/24	
Total Xylenes	ND	0.0250	1	02/21/24	02/25/24	
Surrogate: 4-Bromochlorobenzene-PID		94.6 %	70-130	02/21/24	02/25/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2408051
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/21/24	02/25/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.5 %	70-130	02/21/24	02/25/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: NV		Batch: 2408062
Diesel Range Organics (C10-C28)	ND	25.0	1	02/21/24	02/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/21/24	02/22/24	
Surrogate: n-Nonane		85.2 %	50-200	02/21/24	02/22/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: DT		Batch: 2408066
Chloride	64.9	20.0	1	02/21/24	02/22/24	

Devon Energy - Carlsbad	Project Name:	Broadside 12 Facility 2	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/26/2024 1:08:11PM

SS04-0'

E402189-04

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: BA		Batch: 2408051
Benzene	ND	0.0250	1	02/21/24	02/26/24	
Ethylbenzene	ND	0.0250	1	02/21/24	02/26/24	
Toluene	ND	0.0250	1	02/21/24	02/26/24	
o-Xylene	ND	0.0250	1	02/21/24	02/26/24	
p,m-Xylene	ND	0.0500	1	02/21/24	02/26/24	
Total Xylenes	ND	0.0250	1	02/21/24	02/26/24	
Surrogate: 4-Bromochlorobenzene-PID		94.8 %	70-130	02/21/24	02/26/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	Analyst: BA		Batch: 2408051
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/21/24	02/26/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.9 %	70-130	02/21/24	02/26/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: NV		Batch: 2408062
Diesel Range Organics (C10-C28)	ND	25.0	1	02/21/24	02/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/21/24	02/22/24	
Surrogate: n-Nonane		81.2 %	50-200	02/21/24	02/22/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: DT		Batch: 2408066
· · · · · · · · · · · · · · · · · · ·	ND	20.0		02/21/24	02/22/24	·



QC Summary Data

		QC 50	u 1111111	ary Dat	a				
Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210		Project Name: Project Number: Project Manager:	0	Broadside 12 F 1058-0007 Ashley Gioveng	•			2/2	Reported: 6/2024 1:08:11PM
		Volatile O	rganics	by EPA 802	21B				Analyst: BA
Analyte		Reporting	Spike	Source		Rec		RPD	
•	Result	Limit	Level	Result	Rec	Limits	RPD	Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2408051-BLK1)							Prepared: 0	2/21/24 Anal	yzed: 02/25/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.56		8.00		94.5	70-130			
LCS (2408051-BS1)							Prepared: 0	2/21/24 Anal	yzed: 02/25/24
Benzene	4.82	0.0250	5.00		96.5	70-130			
Ethylbenzene	4.74	0.0250	5.00		94.7	70-130			
Toluene	4.82	0.0250	5.00		96.4	70-130			
o-Xylene	4.77	0.0250	5.00		95.5	70-130			
p,m-Xylene	9.66	0.0500	10.0		96.6	70-130			
Total Xylenes	14.4	0.0250	15.0		96.2	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.63		8.00		95.4	70-130			
Matrix Spike (2408051-MS1)				Source:	E402187-	01	Prepared: 0	2/21/24 Anal	yzed: 02/25/24
Benzene	4.65	0.0250	5.00	ND	93.0	54-133			
Ethylbenzene	4.53	0.0250	5.00	ND	90.6	61-133			
Toluene	4.65	0.0250	5.00	ND	93.0	61-130			
o-Xylene	4.54	0.0250	5.00	ND	90.8	63-131			
p,m-Xylene	9.23	0.0500	10.0	ND	92.3	63-131			
Total Xylenes	13.8	0.0250	15.0	ND	91.8	63-131			
Surrogate: 4-Bromochlorobenzene-PID	8.16		8.00		102	70-130			
Matrix Spike Dup (2408051-MSD1)				Source:	E402187-	01	Prepared: 0	2/21/24 Anal	yzed: 02/25/24
Benzene	4.82	0.0250	5.00	ND	96.4	54-133	3.52	20	
Ethylbenzene	4.70	0.0250	5.00	ND	94.0	61-133	3.64	20	
Toluene	4.82	0.0250	5.00	ND	96.4	61-130	3.64	20	
o-Xylene	4.71	0.0250	5.00	ND	94.3	63-131	3.71	20	
			100	3.75	05.6	(2.121			
p,m-Xylene	9.56 14.3	0.0500 0.0250	10.0 15.0	ND ND	95.6 95.2	63-131 63-131	3.59 3.63	20 20	



70-130

Surrogate: 4-Bromochlorobenzene-PID

8.06

8.00

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Broadside 12 Facility 2	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/26/2024 1:08:11PM

Artesia NM, 88210		Project Manage	r: As	hley Gioveng	go			2/2	26/2024 1:08:11PM		
	Nonhalogenated Organics by EPA 8015D - GRO								Analyst: BA		
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes		
Blank (2408051-BLK1)							Prepared: 02	2/21/24 Anal	yzed: 02/25/24		
Gasoline Range Organics (C6-C10)	ND	20.0									
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.30		8.00		91.3	70-130					
LCS (2408051-BS2)							Prepared: 02	2/21/24 Anal	yzed: 02/25/24		
Gasoline Range Organics (C6-C10)	46.6	20.0	50.0		93.3	70-130					
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.40		8.00		92.5	70-130					
Matrix Spike (2408051-MS2)				Source:	E402187-	01	Prepared: 02	2/21/24 Anal	yzed: 02/25/24		
Gasoline Range Organics (C6-C10)	44.8	20.0	50.0	ND	89.6	70-130					
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.02		8.00		87.8	70-130					
Matrix Spike Dup (2408051-MSD2)				Source:	E402187-	01	Prepared: 02	2/21/24 Anal	yzed: 02/25/24		
Gasoline Range Organics (C6-C10)	47.4	20.0	50.0	ND	94.8	70-130	5.67	20			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.09		8.00		88.6	70-130					

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Broadside 12 Facility 2	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	•
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/26/2024 1:08:11PM

Artesia NM, 88210		Project Manage	r: As	shley Gioveng	go				2/26/2024 1:08:11PM		
	Nonha	Nonhalogenated Organics by EPA 8015D - DRO/ORO							Analyst: NV		
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit			
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes		
Blank (2408062-BLK1)							Prepared: 0	2/21/24 A	nalyzed: 02/22/24		
Diesel Range Organics (C10-C28)	ND	25.0									
Oil Range Organics (C28-C36)	ND	50.0									
Surrogate: n-Nonane	47.1		50.0		94.2	50-200					
LCS (2408062-BS1)							Prepared: 0	2/21/24 A	nalyzed: 02/22/24		
Diesel Range Organics (C10-C28)	239	25.0	250		95.4	38-132					
Surrogate: n-Nonane	45.8		50.0		91.7	50-200					
Matrix Spike (2408062-MS1)				Source:	E402171-	04	Prepared: 0	2/21/24 A	nalyzed: 02/22/24		
Diesel Range Organics (C10-C28)	257	25.0	250	26.1	92.3	38-132					
Surrogate: n-Nonane	44.2		50.0		88.4	50-200					
Matrix Spike Dup (2408062-MSD1)				Source:	E402171-	04	Prepared: 0	2/21/24 A	nalyzed: 02/22/24		
Diesel Range Organics (C10-C28)	261	25.0	250	26.1	94.1	38-132	1.75	20			
Surrogate: n-Nonane	44.9		50.0		89.8	50-200					

Chloride

QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy		Project Name: Project Number:		Broadside 12 Fa 01058-0007	acility 2				Reported:
Artesia NM, 88210		Project Manager		Ashley Gioveng	go				2/26/2024 1:08:11PM
		Anions	by EPA	300.0/9056	1				Analyst: DT
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2408066-BLK1)							Prepared: 0	2/21/24 A	nalyzed: 02/22/24
Chloride	ND	20.0							
LCS (2408066-BS1)							Prepared: 0	2/21/24 A	nalyzed: 02/22/24
Chloride	250	20.0	250		100	90-110			
Matrix Spike (2408066-MS1)				Source:	E402185-	01	Prepared: 0	2/21/24 A	nalyzed: 02/23/24
Chloride	1160	20.0	250	917	97.6	80-120			
Matrix Spike Dup (2408066-MSD1)				Source:	E402185-	01	Prepared: 0	2/21/24 A	nalyzed: 02/23/24

250

20.0

1130

86.1

80-120

2.50

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:	Broadside 12 Facility 2	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	02/26/24 13:08

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



Client: [Bill To				Lab U	se O	nly			TA	AT.	EPA P	rogram
	e 12 Facility 2				Attention: Dale Woodall		Lab W	O# _	_	Job	Number	1D	2D	3D	Standard	CWA	SDWA
	Manager: Ashl				Address: 205 E Bender Road #150		E40	218	9	1010	058-0007				x		
	3122 Nationa				City, State, Zip: Hobbs NM, 88240				•		sis and Metho	d					RCRA
City, Sta	te, Zip: Carlsba	ad NM, 88	3220		Phone: (575)748-1838		by										
	575-988-0055				Email: dale.woodall@dvn.com		88							1 1	No.	State	
	giovengo@ens	olum.cor	n				RO/	17	0	0	0.0	N		×	NM CO	UT AZ	TX
Report d	ue by:							/ 80	826	601	e 30	100.00			×		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		Lab Number	TPH GRO/DRO/ORO by	8015 BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	верос		GDOC		Remarks	
11:24	2/19/2024	Soil	1		SS01 - 0'	1						х					
11:55	2/19/2024	Soil	1		SS02 - 0'	2						х					
11:56	2/19/2024	Soil	1		SS03 - 0'	3						х					
11:27	2/19/2024	Soil	1		SS04 - 0'	4						х					
iestrella	al Instructions	n			.com, agiovengo@ensolum.com, dale			n, ch	amilt		ensolum.com					they are an	alad as
date or time	of collection is cons			grounds for legal act		the sample loc	ation,			100 cm 6 cm	ed packed in ice at an					Annual Prince Services	P. 1818. F. 1
Relinquish	ed by: (Signature) ed by: (Signature)		Date Date	20/29 8	Received by: (Signature) Received by: (Signature)	Date 2-20	Tim			Rec	eived on ice:		b Us	se On	ly		
Relinguish	ed by: (Signature)		Date		Received by: (Signature)	2.20-	Tim			T1		<u>T2</u>			<u>T3</u>	_	
Linda	J // S	30	12	20-24 24	100 Leybor & Hell	2-21-	24 0	53	30	AVG	Temp °C						
-	rix: S - Soil, Sd - Solid	d, Sg - Sludge				Containe	r Type: g	- glas	s, p -	poly/	olastic, ag - aml	oer gla	ass, v	- VOA	À		
					other arrangements are made. Hazardous sar						d of at the client	expen	se. T	The rep	ort for the anal	ysis of the a	bove samp



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Printed: 2/21/2024 10:08:50AM

Envirotech Analytical Laboratory

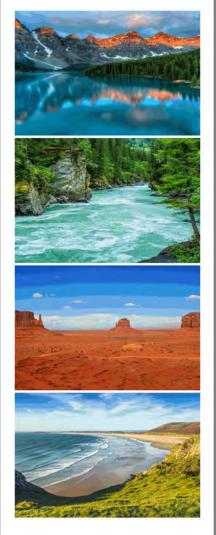
Sample Receipt Checklist (SRC)

	Please take note of any NO checkmarks. no response concerning these items within 24 hours of	the date of this noti	lce, all the sai	nples will be analyzed	as requested.		
Client:	Devon Energy - Carlsbad	Date Received:	02/21/24 05	:30	Work Order II	D: E402189	
Phone:	(505) 382-1211	Date Logged In:	02/20/24 16	:27	Logged in By	: Alexa Michaels	
Email:	ashley.giovengo@wescominc.com	Due Date:		':00 (4 day TAT)			
Chain of	Control de (COC)						
	Custody (COC) ne sample ID match the COC?		Yes				
	ne number of samples per sampling site location ma	tch the COC	Yes				
	amples dropped off by client or carrier?		Yes	Carrier: Courie	·r		
	e COC complete, i.e., signatures, dates/times, reque	sted analyses?	Yes	<u> </u>	-		
5. Were a	Il samples received within holding time? Note: Analysis, such as pH which should be conducted it.e, 15 minute hold time, are not included in this disucssi		Yes		Comn	ents/Resolution	
Sample 7	Turn Around Time (TAT)						
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes	i			
Sample C	<u>Cooler</u>						
7. Was a	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	ł			
10. Were	custody/security seals present?		No	İ			
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	e received w/i 15	Yes				
13. If no	visible ice, record the temperature. Actual sample	temperature: 4°	<u>C</u>				
	Container						
	queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	trip blank (TB) included for VOC analyses?	7	NA Yes				,
	on-VOC samples collected in the correct containers appropriate volume/weight or number of sample contain		Yes				
Field Lai		iora donocioa.	103				
	field sample labels filled out with the minimum info	rmation:					
	ample ID?		Yes				
	ate/Time Collected?		Yes				
	ollectors name?		Yes				
	reservation_	10					
	the COC or field labels indicate the samples were pr	reservea?	No				
	ample(s) correctly preserved? filteration required and/or requested for dissolved n	natole?	NA No				
	•	icuis:	NU				
	se Sample Matrix the sample have more than one phase, i.e., multipha	5a?	NT-				
	does the COC specify which phase(s) is to be analy		No				
	• • • • • • •	,2cu:	NA				
	act Laboratory						
	amples required to get sent to a subcontract laborato		No				
	subcontract laboratory specified by the client and it	so wno?	NA S	Subcontract Lab: NA			
Client In	struction						
1							
1							
<u> </u>							

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

envirotech Inc.

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





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Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name: Broadside 12 Facility 2

Work Order: E402296

Job Number: 01058-0007

Received: 3/1/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 3/7/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.

Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 3/7/24

Ashley Giovengo 6488 7 Rivers Hwy Artesia, NM 88210

Project Name: Broadside 12 Facility 2

Workorder: E402296

Date Received: 3/1/2024 9:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/1/2024 9:00:00AM, under the Project Name: Broadside 12 Facility 2.

The analytical test results summarized in this report with the Project Name: Broadside 12 Facility 2 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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Sample Summary

Devon Energy - Carlsbad	Project Name:	Broadside 12 Facility 2	Donoutoda
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	03/07/24 15:40

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH01-0'	E402296-01A	Soil	02/28/24	03/01/24	Glass Jar, 2 oz.
BH01-1'	E402296-02A	Soil	02/28/24	03/01/24	Glass Jar, 2 oz.
BH01-2'	E402296-03A	Soil	02/28/24	03/01/24	Glass Jar, 2 oz.
BH01-3'	E402296-04A	Soil	02/28/24	03/01/24	Glass Jar, 2 oz.
BH02-0'	E402296-05A	Soil	02/28/24	03/01/24	Glass Jar, 2 oz.
BH02-1'	E402296-06A	Soil	02/28/24	03/01/24	Glass Jar, 2 oz.
BH02-2'	E402296-07A	Soil	02/28/24	03/01/24	Glass Jar, 2 oz.
BH02-2.5'	E402296-08A	Soil	02/28/24	03/01/24	Glass Jar, 2 oz.



Devon Energy - Carlsbad	Project Name:	Broadside 12 Facility 2	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	3/7/2024 3:40:30PM

BH01-0' E402296-01

		E402296-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	lyst: EG		Batch: 2409084
Benzene	ND	0.0250	1	03/01/24	03/07/24	
Ethylbenzene	ND	0.0250	1	03/01/24	03/07/24	
Toluene	ND	0.0250	1	03/01/24	03/07/24	
o-Xylene	ND	0.0250	1	03/01/24	03/07/24	
p,m-Xylene	ND	0.0500	1	03/01/24	03/07/24	
Total Xylenes	ND	0.0250	1	03/01/24	03/07/24	
Surrogate: 4-Bromochlorobenzene-PID		94.0 %	70-130	03/01/24	03/07/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: EG		Batch: 2409084
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/01/24	03/07/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.7 %	70-130	03/01/24	03/07/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: KM		Batch: 2410042
Diesel Range Organics (C10-C28)	ND	25.0	1	03/05/24	03/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/05/24	03/06/24	
Surrogate: n-Nonane		98.2 %	50-200	03/05/24	03/06/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2409087
Chloride	6760	100	5	03/01/24	03/01/24	



Devon Energy - Carlsbad	Project Name:	Broadside 12 Facility 2	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	3/7/2024 3:40:30PM

BH01-1'

		E402296-02				
		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Aı	nalyst: EG		Batch: 2409084
Benzene	ND	0.0250	1	03/01/24	03/07/24	
Ethylbenzene	ND	0.0250	1	03/01/24	03/07/24	
Toluene	ND	0.0250	1	03/01/24	03/07/24	
o-Xylene	ND	0.0250	1	03/01/24	03/07/24	
p,m-Xylene	ND	0.0500	1	03/01/24	03/07/24	
Total Xylenes	ND	0.0250	1	03/01/24	03/07/24	
Surrogate: 4-Bromochlorobenzene-PID		94.6 %	70-130	03/01/24	03/07/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Aı	nalyst: EG		Batch: 2409084
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/01/24	03/07/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.3 %	70-130	03/01/24	03/07/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Aı	nalyst: KM		Batch: 2410042
Diesel Range Organics (C10-C28)	ND	25.0	1	03/05/24	03/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/05/24	03/06/24	
Surrogate: n-Nonane		106 %	50-200	03/05/24	03/06/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Aı	nalyst: IY		Batch: 2409087
Chloride	2760	40.0	2	03/01/24	03/01/24	·



Devon Energy - Carlsbad	Project Name:	Broadside 12 Facility 2	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	3/7/2024 3:40:30PM

BH01-2'

E402296-03

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ar	alyst: EG		Batch: 2409084
Benzene	ND	0.0250	1	03/01/24	03/07/24	
Ethylbenzene	ND	0.0250	1	03/01/24	03/07/24	
Toluene	ND	0.0250	1	03/01/24	03/07/24	
o-Xylene	ND	0.0250	1	03/01/24	03/07/24	
p,m-Xylene	ND	0.0500	1	03/01/24	03/07/24	
Total Xylenes	ND	0.0250	1	03/01/24	03/07/24	
Surrogate: 4-Bromochlorobenzene-PID		94.3 %	70-130	03/01/24	03/07/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ar	alyst: EG		Batch: 2409084
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/01/24	03/07/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.2 %	70-130	03/01/24	03/07/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ar	alyst: KM		Batch: 2410042
Diesel Range Organics (C10-C28)	ND	25.0	1	03/05/24	03/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/05/24	03/06/24	
Surrogate: n-Nonane		105 %	50-200	03/05/24	03/06/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ar	alyst: IY		Batch: 2409087
Chloride	187	20.0	1	03/01/24	03/01/24	



Devon Energy - Carlsbad	Project Name:	Broadside 12 Facility 2	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	3/7/2024 3:40:30PM

BH02-0'

		E402296-05				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: EG		Batch: 2409084
Benzene	ND	0.0250	1	03/01/24	03/07/24	
Ethylbenzene	ND	0.0250	1	03/01/24	03/07/24	
Toluene	ND	0.0250	1	03/01/24	03/07/24	
o-Xylene	ND	0.0250	1	03/01/24	03/07/24	
o,m-Xylene	ND	0.0500	1	03/01/24	03/07/24	
Total Xylenes	ND	0.0250	1	03/01/24	03/07/24	
Surrogate: 4-Bromochlorobenzene-PID		92.4 %	70-130	03/01/24	03/07/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	Analyst: EG		Batch: 2409084
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/01/24	03/07/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.1 %	70-130	03/01/24	03/07/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KM		Batch: 2410042
Diesel Range Organics (C10-C28)	ND	25.0	1	03/05/24	03/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/05/24	03/06/24	
Surrogate: n-Nonane		99.7 %	50-200	03/05/24	03/06/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: IY		Batch: 2409087
Chloride	5100	40.0	2	03/01/24	03/01/24	



Devon Energy - Carlsbad	Project Name:	Broadside 12 Facility 2	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	3/7/2024 3:40:30PM

BH02-1'

		E402296-06				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: EG		Batch: 2409084
Benzene	ND	0.0250	1	03/01/24	03/07/24	
Ethylbenzene	ND	0.0250	1	03/01/24	03/07/24	
Toluene	ND	0.0250	1	03/01/24	03/07/24	
o-Xylene	ND	0.0250	1	03/01/24	03/07/24	
p,m-Xylene	ND	0.0500	1	03/01/24	03/07/24	
Total Xylenes	ND	0.0250	1	03/01/24	03/07/24	
Surrogate: 4-Bromochlorobenzene-PID		94.0 %	70-130	03/01/24	03/07/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: EG		Batch: 2409084
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/01/24	03/07/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.2 %	70-130	03/01/24	03/07/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: KM		Batch: 2410042
Diesel Range Organics (C10-C28)	ND	25.0	1	03/05/24	03/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/05/24	03/06/24	
Surrogate: n-Nonane		99.1 %	50-200	03/05/24	03/06/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2409087
Chloride	1030	20.0	1	03/01/24	03/01/24	



Devon Energy - Carlsbad	Project Name:	Broadside 12 Facility 2	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	3/7/2024 3:40:30PM

BH02-2'

E402296-07

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	Anal	lyst: EG		Batch: 2409084
Benzene	ND	0.0250	1	03/01/24	03/07/24	
Ethylbenzene	ND	0.0250	1	03/01/24	03/07/24	
Toluene	ND	0.0250	1	03/01/24	03/07/24	
o-Xylene	ND	0.0250	1	03/01/24	03/07/24	
p,m-Xylene	ND	0.0500	1	03/01/24	03/07/24	
Total Xylenes	ND	0.0250	1	03/01/24	03/07/24	
Surrogate: 4-Bromochlorobenzene-PID		93.6 %	70-130	03/01/24	03/07/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2409084
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/01/24	03/07/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.5 %	70-130	03/01/24	03/07/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	lyst: KM		Batch: 2410042
Diesel Range Organics (C10-C28)	ND	25.0	1	03/05/24	03/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/05/24	03/06/24	
Surrogate: n-Nonane		109 %	50-200	03/05/24	03/06/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	lyst: IY		Batch: 2409087
Allions by ETA 500.0/7030A						



QC Summary Data

		QC 50	W111111	ary Dat	а				
Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210		Project Name: Project Number: Project Manager:	0	Broadside 12 F 1058-0007 Ashley Gioveng	•			3/	Reported: 7/2024 3:40:30PM
		Volatile O	rganics	by EPA 802	21B				Analyst: EG
Analyte		Reporting	Spike	Source	_	Rec	DDD	RPD	
	Result mg/kg	Limit mg/kg	Level mg/kg	Result mg/kg	Rec %	Limits	RPD %	Limit %	Notes
Blank (2409084-BLK1)							Prepared: 0	3/01/24 Anal	yzed: 03/07/24
Benzene	ND	0.0250					r		,
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.51		8.00		93.8	70-130			
LCS (2409084-BS1)							Prepared: 0	3/01/24 Anal	yzed: 03/06/24
Benzene	5.35	0.0250	5.00		107	70-130			
Ethylbenzene	5.28	0.0250	5.00		106	70-130			
Toluene	5.36	0.0250	5.00		107	70-130			
o-Xylene	5.18	0.0250	5.00		103	70-130			
p,m-Xylene	10.6	0.0500	10.0		106	70-130			
Total Xylenes	15.7	0.0250	15.0		105	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.29		8.00		91.2	70-130			
Matrix Spike (2409084-MS1)				Source:	E402295-	03	Prepared: 03/01/24 Analyzed: 03/06/24		
Benzene	5.46	0.0250	5.00	ND	109	54-133			
Ethylbenzene	5.44	0.0250	5.00	ND	109	61-133			
Toluene	5.43	0.0250	5.00	ND	109	61-130			
o-Xylene	5.37	0.0250	5.00	ND	107	63-131			
p,m-Xylene	11.0	0.0500	10.0	ND	110	63-131			
Total Xylenes	16.3	0.0250	15.0	ND	109	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.60		8.00		95.0	70-130			<u> </u>
Matrix Spike Dup (2409084-MSD1)				Source:	E402295-	03	Prepared: 0	3/01/24 Anal	yzed: 03/06/24
Benzene	5.42	0.0250	5.00	ND	108	54-133	0.739	20	
Ethylbenzene	5.37	0.0250	5.00	ND	107	61-133	1.31	20	
Toluene	5.38	0.0250	5.00	ND	108	61-130	0.872	20	
o-Xylene	5.31	0.0250	5.00	ND	106	63-131	1.24	20	
p,m-Xylene	10.8	0.0500	10.0	ND	108	63-131	1.38	20	
	16.1	0.0250	15.0	ND	107	63-131	1.33	20	

8.00

7.62

95.2

70-130



Surrogate: 4-Bromochlorobenzene-PID

Surrogate: 1-Chloro-4-fluorobenzene-FID

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Broadside 12 Facility 2	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	3/7/2024 3:40:30PM

Artesia NM, 88210		Project Manage	r: As	shley Gioveng	go			3/	7/2024 3:40:30PM		
	Nonhalogenated Organics by EPA 8015D - GRO								Analyst: EG		
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes		
Blank (2409084-BLK1)							Prepared: 0	3/01/24 Anal	yzed: 03/07/24		
Gasoline Range Organics (C6-C10)	ND	20.0									
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.84		8.00		97.9	70-130					
LCS (2409084-BS2)							Prepared: 0	3/01/24 Anal	yzed: 03/06/24		
Gasoline Range Organics (C6-C10)	47.0	20.0	50.0		94.0	70-130					
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.43		8.00		92.9	70-130					
Matrix Spike (2409084-MS2)				Source:	E402295-	03	Prepared: 0	3/01/24 Anal	yzed: 03/06/24		
Gasoline Range Organics (C6-C10)	43.7	20.0	50.0	ND	87.5	70-130					
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.53		8.00		94.1	70-130					
Matrix Spike Dup (2409084-MSD2)				Source:	E402295-	03	Prepared: 0	3/01/24 Anal	yzed: 03/06/24		
Gasoline Range Organics (C6-C10)	46.2	20.0	50.0	ND	92.3	70-130	5.37	20			

8.00

96.1

70-130



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Broadside 12 Facility 2	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	3/7/2024 3:40:30PM

Artesia NM, 88210		Project Manage	r: As	shley Gioveng	go			:	3/7/2024 3:40:30PN
	Nonha	logenated Or	ganics by	EPA 8015I) - DRO	/ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2410042-BLK1)							Prepared: 0	3/05/24 An	alyzed: 03/06/24
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	56.0		50.0		112	50-200			
LCS (2410042-BS1)							Prepared: 0	3/05/24 An	alyzed: 03/06/24
Diesel Range Organics (C10-C28)	328	25.0	250		131	38-132			
urrogate: n-Nonane	56.0		50.0		112	50-200			
Matrix Spike (2410042-MS1)				Source:	E402288-	21	Prepared: 0	3/05/24 An	alyzed: 03/06/24
Diesel Range Organics (C10-C28)	328	25.0	250	ND	131	38-132			
urrogate: n-Nonane	57.7		50.0		115	50-200			
Matrix Spike Dup (2410042-MSD1)				Source:	E402288-	21	Prepared: 0	3/05/24 An	alyzed: 03/06/24
Diesel Range Organics (C10-C28)	315	25.0	250	ND	126	38-132	4.03	20	
urrogate: n-Nonane	53.8		50.0		108	50-200			



Chloride

QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy		Project Name: Project Number:		Broadside 12 Fa 1058-0007	acility 2				Reported:
Artesia NM, 88210		Project Manager		Ashley Gioveng	go				3/7/2024 3:40:30PM
		Anions	by EPA	300.0/9056	1				Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2409087-BLK1)							Prepared: 0	3/01/24 A	nalyzed: 03/01/24
Chloride	ND	20.0							
LCS (2409087-BS1)							Prepared: 0	3/01/24 A	nalyzed: 03/01/24
Chloride	248	20.0	250		99.1	90-110			
Matrix Spike (2409087-MS1)				Source:	E402293-	01	Prepared: 0	3/01/24 A	nalyzed: 03/01/24
Chloride	497	20.0	250	239	103	80-120			
Matrix Spike Dup (2409087-MSD1)				Source:	E402293-	01	Prepared: 0	3/01/24 A	nalyzed: 03/01/24

250

20.0

104

80-120

0.215

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:	Broadside 12 Facility 2	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	03/07/24 15:40

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



1	Rece
	ived
•	bγ
	OCD:
	8/25/2024
	10:25:45
	AM

Client: I	Devon Energ	У			Bill To				La	b Us	e On	ly				T	AT		EPA P	rogram
Project:	Broadside 1	2 Facility	2		Attention: Dale Woodall		Lab	WO#		10.	Job 1	Num	ber	1D	2D	3D	Sta	ndard	CWA	SDWA
Project I	Manager: As	hley Giov	/engo		Address: 205 E Bender Rd #15	0	F	402	296		00	58	FOOO	-				X		
Address	: 3122 Natio	nal Parks	Hwy		City, State, Zip: Hobbs NM, 88	240						_	nd Meth					10000		RCRA
	te, Zip: Carls				Phone: (575) 748-1838			λc			ΓÍ			T		T				
	575-988-005				Email: Dale.woodall@dvn.com			RO								1	1 1		State	
	giovengo@e		om		Ernan. Baic.woodan@avn.com	1		0/0				0		ΣN	7		1 1	NM CO	UT AZ	TX
Report o								MD/0	8021	3260	010	300				×	1	×		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		Lab Number		TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC		GDOC			Remarks	
9:33	2/28/2024	S	1		BH01 - 0'	10 July 10 -								Х						
9:45	2/28/2024	S	1		BH01 - 1'	2								Х						
9:48	2/28/2024	S	1		BH01 - 2'	3								х						
10:15	2/28/2024	S	1		BH01 - 3'	4								х				Only run of BH	01 - 2' does not 600 Cl	oass 100TPH an
10:52	2/28/2024	S	1		BH02 - 0'	5								х						
10:55	2/28/2024	S	1		BH02 - 1'	6								х						
11:00	2/28/2024	S	1		BH02 - 2'	7								х						
11:03	2/28/2024	S	1		BH02 - 2.5 ⁷	8								х				Only run of BH	01 - 2' does not 600 Cl	pass 100TPH a
										_										
Addition	al Instructio	ns: Plea	ase CC: cl	ourton@ensolu	ım.com, agiovengo@ensolum.com	, Dale.woodal	l@d	vn.cor	n, ch	ami	lton@	gens	olum.c	om, e	haft	@ens	solum	.com		
		The state of the state of		ty of this sample. I a	m aware that tampering with or intentionally m	islabelling the samp	le loc	ation,										on ice the day n 6 °C on subs	they are sample equent days.	oled or
Relinguish	ed by: (Signatu	re)	Date	1000	Received by: (Signature)	h 2.29:	24	Time	14		Rece	eived	on ice		ab L	Jse O	nly			
mic		un &	Date	2924 16	Received by: (Signature)		4.2	7 0 0	700)	<u>T1</u>			<u>T2</u>				<u>T3</u>		
لمل	ed by: (Signatu	14880		29.24 Z	300 Received by: (Signature)	my 3/1/2	4	-	00				np °C_	+		115				
	trix: S - Soil, Sd - S					Containe														
					less other arrangements are made. Hazar atory with this COC. The liability of the labo									client	expen	ise. Ti	ne repo	ort for the	analysis of	tne above





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:	03/01/24	09:00	Work Order ID:	E402296
Phone:	(505) 382-1211	Date Logged In:	02/29/24	16:50	Logged In By:	Alexa Michaels
Email:	ashley.giovengo@wescominc.com	Due Date:	03/07/24	17:00 (4 day TAT)		
1. Does th 2. Does th	Custody (COC) The sample ID match the COC? The number of samples per sampling site location matches amples dropped off by client or carrier?	ch the COC	Yes Yes Yes	Carrier: <u>C</u>	<u>'ourier</u>	
	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes			
	Il samples received within holding time? Note: Analysis, such as pH which should be conducted ir i.e, 15 minute hold time, are not included in this disucssion	•	Yes	Г	<u>Comme</u>	nts/Resolution
	Furn Around Time (TAT) COC indicate standard TAT, or Expedited TAT?		Yes		COC remarks on samp	•
Sample C	<u>Cooler</u>				run if BH01-2 (sample	e -03) and BH02-2
7. Was a s	sample cooler received?		Yes		(sample -07) does not	pass 100TPH and
8. If yes,	was cooler received in good condition?		Yes		600cl	
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 are minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes C			
Sample C		<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 contain		Yes			
	field sample labels filled out with the minimum info	ormation:				
	ample ID? ate/Time Collected?		Yes			
	ollectors name?		Yes Yes			
Sample P	reservation the COC or field labels indicate the samples were pr	reserved?	No			
	ample(s) correctly preserved?	eserved:	NA			
	filteration required and/or requested for dissolved m	netals?	No			
	se Sample Matrix		110			
-	the sample have more than one phase, i.e., multipha	se?	No			
	does the COC specify which phase(s) is to be analy		NA			
			11/1			
28. Are sa	act Laboratory Imples required to get sent to a subcontract laborator subcontract laboratory specified by the client and if	~	No NA	Subcontract Lab	. NI A	
		30 WIIO:	1421	Subcontract Lab	. NA	
Chent II	<u>istruction</u>					<i>C</i> 3
Signat	ure of client authorizing changes to the COC or sample dis	position.			Date	envirotech Inc.

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: Broadside 12 Facility 2

Work Order: E408029

Job Number: 01058-0007

Received: 8/5/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 8/9/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.

Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 8/9/24

Ashley Giovengo 6488 7 Rivers Hwy Artesia, NM 88210

Project Name: Broadside 12 Facility 2

Workorder: E408029

Date Received: 8/5/2024 9:15:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/5/2024 9:15:00AM, under the Project Name: Broadside 12 Facility 2.

The analytical test results summarized in this report with the Project Name: Broadside 12 Facility 2 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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whinchman@envirotech-inc.com

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mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Devon Energy - Carlsbad	Project Name:	Broadside 12 Facility 2	Donoutoda
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	08/09/24 10:11

Client Sample ID	Lab Sample ID M	atrix	Sampled	Received	Container
FS01-0'	E408029-01A	Soil	08/01/24	08/05/24	Glass Jar, 2 oz.
FS02-0'	E408029-02A	Soil	08/01/24	08/05/24	Glass Jar, 2 oz.
FS03-0'	E408029-03A	Soil	08/01/24	08/05/24	Glass Jar, 2 oz.
FS04-0.5'	E408029-04A	Soil	08/01/24	08/05/24	Glass Jar, 2 oz.
FS05-0.5'	E408029-05A	Soil	08/01/24	08/05/24	Glass Jar, 2 oz.
FS06-0.5'	E408029-06A	Soil	08/01/24	08/05/24	Glass Jar, 2 oz.
FS07-0.5'	E408029-07A	Soil	08/01/24	08/05/24	Glass Jar, 2 oz.
FS08-0.5'	E408029-08A	Soil	08/01/24	08/05/24	Glass Jar, 2 oz.
FS09-0.5'	E408029-09A	Soil	08/01/24	08/05/24	Glass Jar, 2 oz.
FS10-0.5'	E408029-10A	Soil	08/01/24	08/05/24	Glass Jar, 2 oz.
FS11-0.5'	E408029-11A	Soil	08/01/24	08/05/24	Glass Jar, 2 oz.
FS12-0'	E408029-12A	Soil	08/01/24	08/05/24	Glass Jar, 2 oz.
FS13-0'	E408029-13A	Soil	08/01/24	08/05/24	Glass Jar, 2 oz.
FS14-0'	E408029-14A	Soil	08/01/24	08/05/24	Glass Jar, 2 oz.

Devon Energy - Carlsbad	Project Name:	Broadside 12 Facility 2	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	8/9/2024 10:11:58AM

FS01-0' E408029-01

		E400027-01					
Analyte	Result	Reporting Limit	Dilut	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS		Batch: 2432011
Benzene	ND	0.0250	1		08/05/24	08/06/24	
Ethylbenzene	ND	0.0250	1		08/05/24	08/06/24	
Toluene	ND	0.0250	1		08/05/24	08/06/24	
o-Xylene	ND	0.0250	1		08/05/24	08/06/24	
p,m-Xylene	ND	0.0500	1		08/05/24	08/06/24	
Total Xylenes	ND	0.0250	1		08/05/24	08/06/24	
Surrogate: Bromofluorobenzene		97.3 %	70-130		08/05/24	08/06/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		08/05/24	08/06/24	
Surrogate: Toluene-d8		105 %	70-130		08/05/24	08/06/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg Analyst: F		RKS		Batch: 2432011	
Gasoline Range Organics (C6-C10)	ND	20.0	1		08/05/24	08/06/24	
Surrogate: Bromofluorobenzene		97.3 %	70-130		08/05/24	08/06/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		08/05/24	08/06/24	
Surrogate: Toluene-d8		105 %	70-130		08/05/24	08/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst:	KM		Batch: 2432016
Diesel Range Organics (C10-C28)	ND	25.0	1		08/05/24	08/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1		08/05/24	08/05/24	
Surrogate: n-Nonane		119 %	50-200		08/05/24	08/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	I	Analyst:	DT		Batch: 2432014
	7020	200	10		08/05/24	08/05/24	



Devon Energy - CarlsbadProject Name:Broadside 12 Facility 26488 7 Rivers HwyProject Number:01058-0007Reported:Artesia NM, 88210Project Manager:Ashley Giovengo8/9/2024 10:11:58AM

FS02-0' E408029-02

	E400023-02					
	Reporting					27
Result	Limit	Dilu	ition	Prepared	Analyzed	Notes
mg/kg	mg/kg		Analyst:	RKS		Batch: 2432011
ND	0.0250	1	1	08/05/24	08/06/24	
ND	0.0250	1	1	08/05/24	08/06/24	
ND	0.0250	1	1	08/05/24	08/06/24	
ND	0.0250	1	1	08/05/24	08/06/24	
ND	0.0500	1	1	08/05/24	08/06/24	
ND	0.0250	1	1	08/05/24	08/06/24	
	96.8 %	70-130		08/05/24	08/06/24	
	97.2 %	70-130		08/05/24	08/06/24	
	105 %	70-130		08/05/24	08/06/24	
mg/kg	mg/kg		Analyst:	RKS	Batch: 2432011	
ND	20.0	1	1	08/05/24	08/06/24	
	96.8 %	70-130		08/05/24	08/06/24	
	97.2 %	70-130		08/05/24	08/06/24	
	105 %	70-130		08/05/24	08/06/24	
mg/kg	mg/kg		Analyst:	KM		Batch: 2432016
ND	25.0	1	1	08/05/24	08/05/24	
ND	50.0	1	1	08/05/24	08/05/24	
	115 %	50-200		08/05/24	08/05/24	
mg/kg	mg/kg		Analyst:	DT		Batch: 2432014
4400	40.0	2	2	08/05/24	08/05/24	
	ND Mg/kg ND Mg/kg	Result Reporting Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 96.8 % 97.2 % 105 % mg/kg mg/kg ND 20.0 96.8 % 97.2 % 105 % 105 % mg/kg mg/kg ND 25.0 ND 50.0 115 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilu mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 96.8 % 70-130 97.2 % 70-130 105 % 70-130 96.8 % 70-130 97.2 % 70-130 97.2 % 70-130 105 % 70-130 mg/kg mg/kg ND 25.0 ND 50.0 115 % 50-200 mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg Analyst: ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 0.0250 1 96.8 % 70-130 97.2 % 70-130 mg/kg mg/kg Analyst: ND 20.0 1 96.8 % 70-130 70-130 mg/kg mg/kg Analyst: ND 25.0 1 ND 50.0 1 115 % 50-200 mg/kg Analyst:	Reporting Result Limit Dilution Prepared mg/kg mg/kg Analyst: RKS ND 0.0250 1 08/05/24 ND 0.0250 1 08/05/24 ND 0.0250 1 08/05/24 ND 0.0500 1 08/05/24 ND 0.0250 1 08/05/24 ND 0.0250 1 08/05/24 ND 0.0250 1 08/05/24 96.8 % 70-130 08/05/24 97.2 % 70-130 08/05/24 105 % 70-130 08/05/24 96.8 % 70-130 08/05/24 97.2 % 70-130 08/05/24 97.2 % 70-130 08/05/24 105 % 70-130 08/05/24 mg/kg mg/kg Analyst: KM ND 25.0 1 08/05/24 ND 50.0 1 08/05/24 ND 50.0 <td< td=""><td>Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: RKS ND 0.0250 1 08/05/24 08/06/24 ND 0.0500 1 08/05/24 08/06/24 ND 0.0250 1 08/05/24 08/06/24 ND 0.0250 1 08/05/24 08/06/24 ND 0.0250 1 08/05/24 08/06/24 96.8 % 70-130 08/05/24 08/06/24 97.2 % 70-130 08/05/24 08/06/24 mg/kg mg/kg Analyst: RKS ND 20.0 1 08/05/24 08/06/24 97.2 % 70-130 08/05/24 08/06/24 105 % 70-130 08/05/24</td></td<>	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: RKS ND 0.0250 1 08/05/24 08/06/24 ND 0.0500 1 08/05/24 08/06/24 ND 0.0250 1 08/05/24 08/06/24 ND 0.0250 1 08/05/24 08/06/24 ND 0.0250 1 08/05/24 08/06/24 96.8 % 70-130 08/05/24 08/06/24 97.2 % 70-130 08/05/24 08/06/24 mg/kg mg/kg Analyst: RKS ND 20.0 1 08/05/24 08/06/24 97.2 % 70-130 08/05/24 08/06/24 105 % 70-130 08/05/24



Devon Energy - CarlsbadProject Name:Broadside 12 Facility 26488 7 Rivers HwyProject Number:01058-0007Reported:Artesia NM, 88210Project Manager:Ashley Giovengo8/9/2024 10:11:58AM

FS03-0'

E408029-03 Reporting Analyte Limit Dilution Analyzed Result Prepared Notes Analyst: RKS Batch: 2432011 mg/kg mg/kg Volatile Organic Compounds by EPA 8260B 08/06/24 ND 0.0250 08/05/24 Benzene 1 08/05/24 08/06/24 Ethylbenzene ND 0.0250 ND 0.0250 08/05/24 08/06/24 Toluene 1 08/05/24 08/06/24 o-Xylene ND 0.0250 08/05/24 08/06/24 ND 0.0500 1 p,m-Xylene 08/05/24 08/06/24 1 Total Xylenes ND 0.0250 08/05/24 08/06/24 Surrogate: Bromofluorobenzene 98.5 % 70-130 Surrogate: 1,2-Dichloroethane-d4 96.5 % 70-130 08/05/24 08/06/24 Surrogate: Toluene-d8 105 % 70-130 08/05/24 08/06/24 Nonhalogenated Organics by EPA 8015D - GRO mg/kg mg/kg Analyst: RKS Batch: 2432011 ND 08/05/24 08/06/24 20.0 1 Gasoline Range Organics (C6-C10) Surrogate: Bromofluorobenzene 98.5 % 08/05/24 08/06/24 70-130 08/05/24 08/06/24 Surrogate: 1,2-Dichloroethane-d4 96.5 % 70-130 Surrogate: Toluene-d8 08/05/24 08/06/24 105 % 70-130 mg/kg Analyst: KM Batch: 2432016 mg/kg Nonhalogenated Organics by EPA 8015D - DRO/ORO 08/05/24 ND 25.0 1 08/05/24 Diesel Range Organics (C10-C28) ND 50.0 1 08/05/24 08/05/24 Oil Range Organics (C28-C36) 113 % 50-200 08/05/24 08/05/24 Surrogate: n-Nonane

mg/kg

40.0

Analyst: DT

08/05/24

08/05/24

2

mg/kg

3030

Batch: 2432014

Anions by EPA 300.0/9056A

Chloride

Devon Energy - CarlsbadProject Name:Broadside 12 Facility 26488 7 Rivers HwyProject Number:01058-0007Reported:Artesia NM, 88210Project Manager:Ashley Giovengo8/9/2024 10:11:58AM

FS04-0.5' E408029-04

		E-100027-01					
Analyte	Result	Reporting Limit		ıtion	Prepared	Analyzed	Notes
				Analyst:	•	,	Batch: 2432011
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Anaryst.			Baten: 2432011
Benzene	ND	0.0250	1	1	08/05/24	08/06/24	
Ethylbenzene	ND	0.0250	1	1	08/05/24	08/06/24	
Toluene	ND	0.0250	1	1	08/05/24	08/06/24	
o-Xylene	ND	0.0250	1	1	08/05/24	08/06/24	
p,m-Xylene	ND	0.0500	1	1	08/05/24	08/06/24	
Total Xylenes	ND	0.0250	1	1	08/05/24	08/06/24	
Surrogate: Bromofluorobenzene		100 %	70-130		08/05/24	08/06/24	
Surrogate: 1,2-Dichloroethane-d4		93.7 %	70-130		08/05/24	08/06/24	
Surrogate: Toluene-d8		105 %	70-130		08/05/24	08/06/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	: RKS		Batch: 2432011
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	08/05/24	08/06/24	
Surrogate: Bromofluorobenzene		100 %	70-130		08/05/24	08/06/24	
Surrogate: 1,2-Dichloroethane-d4		93.7 %	70-130		08/05/24	08/06/24	
Surrogate: Toluene-d8		105 %	70-130		08/05/24	08/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: KM		Batch: 2432016
Diesel Range Organics (C10-C28)	ND	25.0	1	1	08/05/24	08/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	1	08/05/24	08/05/24	
Surrogate: n-Nonane		123 %	50-200	·	08/05/24	08/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: DT		Batch: 2432014
Chloride	2030	40.0	2	2	08/05/24	08/05/24	



Devon Energy - CarlsbadProject Name:Broadside 12 Facility 26488 7 Rivers HwyProject Number:01058-0007Reported:Artesia NM, 88210Project Manager:Ashley Giovengo8/9/2024 10:11:58AM

FS05-0.5' E408029-05

		E400027-03					
	D 1	Reporting					
Analyte	Result	Limit	Dilu	ition	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: R	RKS		Batch: 2432011
Benzene	ND	0.0250	1	l	08/05/24	08/06/24	
Ethylbenzene	ND	0.0250	1	l	08/05/24	08/06/24	
Toluene	ND	0.0250	1	l	08/05/24	08/06/24	
o-Xylene	ND	0.0250	1	l	08/05/24	08/06/24	
p,m-Xylene	ND	0.0500	1	l	08/05/24	08/06/24	
Total Xylenes	ND	0.0250	1	Į	08/05/24	08/06/24	
Surrogate: Bromofluorobenzene		97.1 %	70-130		08/05/24	08/06/24	
Surrogate: 1,2-Dichloroethane-d4		98.4 %	70-130		08/05/24	08/06/24	
Surrogate: Toluene-d8		104 %	70-130		08/05/24	08/06/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	mg/kg Analyst: RKS			Batch: 2432011	
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	08/05/24	08/06/24	
Surrogate: Bromofluorobenzene		97.1 %	70-130		08/05/24	08/06/24	
Surrogate: 1,2-Dichloroethane-d4		98.4 %	70-130		08/05/24	08/06/24	
Surrogate: Toluene-d8		104 %	70-130		08/05/24	08/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: K	CM		Batch: 2432016
Diesel Range Organics (C10-C28)	ND	25.0	1	1	08/05/24	08/05/24	_
Oil Range Organics (C28-C36)	ND	50.0	1	<u> </u>	08/05/24	08/05/24	
Surrogate: n-Nonane		126 %	50-200		08/05/24	08/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: [DT		Batch: 2432014
Chloride	3950	40.0	2	2	08/05/24	08/05/24	



Devon Energy - CarlsbadProject Name:Broadside 12 Facility 26488 7 Rivers HwyProject Number:01058-0007Reported:Artesia NM, 88210Project Manager:Ashley Giovengo8/9/2024 10:11:58AM

FS06-0.5' E408029-06

		E400027-00					
Analyte	Result	Reporting Limit	Dilu	ution	Prepared	Analyzed	Notes
					•		
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS		Batch: 2432011
Benzene	ND	0.0250		1	08/05/24	08/06/24	
Ethylbenzene	ND	0.0250		1	08/05/24	08/06/24	
Toluene	ND	0.0250		1	08/05/24	08/06/24	
o-Xylene	ND	0.0250		1	08/05/24	08/06/24	
p,m-Xylene	ND	0.0500		1	08/05/24	08/06/24	
Total Xylenes	ND	0.0250		1	08/05/24	08/06/24	
Surrogate: Bromofluorobenzene		99.1 %	70-130		08/05/24	08/06/24	
Surrogate: 1,2-Dichloroethane-d4		97.0 %	70-130		08/05/24	08/06/24	
Surrogate: Toluene-d8		104 %	70-130		08/05/24	08/06/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	: RKS		Batch: 2432011
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/05/24	08/06/24	
Surrogate: Bromofluorobenzene		99.1 %	70-130		08/05/24	08/06/24	
Surrogate: 1,2-Dichloroethane-d4		97.0 %	70-130		08/05/24	08/06/24	
Surrogate: Toluene-d8		104 %	70-130		08/05/24	08/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: KM		Batch: 2432016
Diesel Range Organics (C10-C28)	ND	25.0		1	08/05/24	08/05/24	
Oil Range Organics (C28-C36)	ND	50.0		1	08/05/24	08/05/24	
Surrogate: n-Nonane		125 %	50-200		08/05/24	08/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: DT		Batch: 2432014
Chloride	1810	20.0		1	08/05/24	08/05/24	



Devon Energy - CarlsbadProject Name:Broadside 12 Facility 26488 7 Rivers HwyProject Number:01058-0007Reported:Artesia NM, 88210Project Manager:Ashley Giovengo8/9/2024 10:11:58AM

FS07-0.5' E408029-07

		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS			Batch: 2432011
Benzene	ND	0.0250	1	1	08/05/24	08/06/24	
Ethylbenzene	ND	0.0250	1	1	08/05/24	08/06/24	
Toluene	ND	0.0250	1	1	08/05/24	08/06/24	
o-Xylene	ND	0.0250	1	1	08/05/24	08/06/24	
p,m-Xylene	ND	0.0500	1	1	08/05/24	08/06/24	
Total Xylenes	ND	0.0250	1	1	08/05/24	08/06/24	
Surrogate: Bromofluorobenzene		101 %	70-130		08/05/24	08/06/24	
Surrogate: 1,2-Dichloroethane-d4		97.8 %	70-130		08/05/24	08/06/24	
Surrogate: Toluene-d8		104 %	70-130		08/05/24	08/06/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2432011		
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	08/05/24	08/06/24	
Surrogate: Bromofluorobenzene		101 %	70-130		08/05/24	08/06/24	
Surrogate: 1,2-Dichloroethane-d4		97.8 %	70-130		08/05/24	08/06/24	
Surrogate: Toluene-d8		104 %	70-130		08/05/24	08/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2432016
Diesel Range Organics (C10-C28)	ND	25.0	1	1	08/05/24	08/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	1	08/05/24	08/05/24	
Surrogate: n-Nonane		124 %	50-200		08/05/24	08/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2432014
Chloride	3550	40.0	2	2	08/05/24	08/05/24	•

Devon Energy - CarlsbadProject Name:Broadside 12 Facility 26488 7 Rivers HwyProject Number:01058-0007Reported:Artesia NM, 88210Project Manager:Ashley Giovengo8/9/2024 10:11:58AM

FS08-0.5' E408029-08

		2.00027 00					
Analyte	Result	Reporting Limit		ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst			Batch: 2432011
Benzene	ND	0.0250		1	08/05/24	08/06/24	Buten, 2 1,02011
Ethylbenzene	ND	0.0250		1	08/05/24	08/06/24	
Toluene	ND	0.0250		1	08/05/24	08/06/24	
o-Xylene	ND	0.0250		1	08/05/24	08/06/24	
p,m-Xylene	ND	0.0500		1	08/05/24	08/06/24	
Total Xylenes	ND	0.0250		1	08/05/24	08/06/24	
Surrogate: Bromofluorobenzene		97.5 %	70-130		08/05/24	08/06/24	
Surrogate: 1,2-Dichloroethane-d4		98.6 %	70-130		08/05/24	08/06/24	
Surrogate: Toluene-d8		105 %	70-130		08/05/24	08/06/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS			Batch: 2432011
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/05/24	08/06/24	
Surrogate: Bromofluorobenzene		97.5 %	70-130		08/05/24	08/06/24	
Surrogate: 1,2-Dichloroethane-d4		98.6 %	70-130		08/05/24	08/06/24	
Surrogate: Toluene-d8		105 %	70-130		08/05/24	08/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: KM		Batch: 2432016
Diesel Range Organics (C10-C28)	ND	25.0		1	08/05/24	08/05/24	
Oil Range Organics (C28-C36)	ND	50.0		1	08/05/24	08/05/24	
Surrogate: n-Nonane		128 %	50-200		08/05/24	08/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: DT		Batch: 2432014
Chloride	4850	100		5	08/05/24	08/05/24	



Devon Energy - CarlsbadProject Name:Broadside 12 Facility 26488 7 Rivers HwyProject Number:01058-0007Reported:Artesia NM, 88210Project Manager:Ashley Giovengo8/9/2024 10:11:58AM

FS09-0.5' E408029-09

		2.00027 07					
Analyte	Result	Reporting Limit		ution	Prepared	Analyzed	Notes
	mg/kg	mg/kg		Analyst:		- I mary zea	Batch: 2432011
Volatile Organic Compounds by EPA 8260B Benzene	ND	0.0250		1	08/05/24	08/06/24	Batch. 2432011
Ethylbenzene	ND	0.0250		1	08/05/24	08/06/24	
Toluene	ND	0.0250		1	08/05/24	08/06/24	
o-Xylene	ND	0.0250		1	08/05/24	08/06/24	
p,m-Xylene	ND	0.0500		1	08/05/24	08/06/24	
Total Xylenes	ND	0.0250		1	08/05/24	08/06/24	
Surrogate: Bromofluorobenzene		96.4 %	70-130		08/05/24	08/06/24	
Surrogate: 1,2-Dichloroethane-d4		99.9 %	70-130		08/05/24	08/06/24	
Surrogate: Toluene-d8		104 %	70-130		08/05/24	08/06/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS			Batch: 2432011
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/05/24	08/06/24	
Surrogate: Bromofluorobenzene		96.4 %	70-130		08/05/24	08/06/24	
Surrogate: 1,2-Dichloroethane-d4		99.9 %	70-130		08/05/24	08/06/24	
Surrogate: Toluene-d8		104 %	70-130		08/05/24	08/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: KM		Batch: 2432016
Diesel Range Organics (C10-C28)	ND	25.0		1	08/05/24	08/06/24	
Oil Range Organics (C28-C36)	ND	50.0		1	08/05/24	08/06/24	
Surrogate: n-Nonane		129 %	50-200		08/05/24	08/06/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: DT		Batch: 2432014
Chloride	5640	100		5	08/05/24	08/05/24	



Devon Energy - CarlsbadProject Name:Broadside 12 Facility 26488 7 Rivers HwyProject Number:01058-0007Reported:Artesia NM, 88210Project Manager:Ashley Giovengo8/9/2024 10:11:58AM

FS10-0.5' E408029-10

		E:0002> 10					
Analyte	Result	Reporting Limit	Dilut	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: Rk	ζS		Batch: 2432011
Benzene	ND	0.0250	1		08/05/24	08/06/24	
Ethylbenzene	ND	0.0250	1		08/05/24	08/06/24	
Toluene	ND	0.0250	1		08/05/24	08/06/24	
o-Xylene	ND	0.0250	1		08/05/24	08/06/24	
p,m-Xylene	ND	0.0500	1		08/05/24	08/06/24	
Total Xylenes	ND	0.0250	1		08/05/24	08/06/24	
Surrogate: Bromofluorobenzene		98.9 %	70-130		08/05/24	08/06/24	
Surrogate: 1,2-Dichloroethane-d4		97.9 %	70-130		08/05/24	08/06/24	
Surrogate: Toluene-d8		105 %	70-130		08/05/24	08/06/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg Analyst: RKS			Batch: 2432011		
Gasoline Range Organics (C6-C10)	ND	20.0	1		08/05/24	08/06/24	
Surrogate: Bromofluorobenzene		98.9 %	70-130		08/05/24	08/06/24	
Surrogate: 1,2-Dichloroethane-d4		97.9 %	70-130		08/05/24	08/06/24	
Surrogate: Toluene-d8		105 %	70-130		08/05/24	08/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: KN	M		Batch: 2432016
Diesel Range Organics (C10-C28)	ND	25.0	1		08/05/24	08/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1		08/05/24	08/06/24	
Surrogate: n-Nonane		181 %	50-200		08/05/24	08/06/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: D7	Γ		Batch: 2432014
Chloride	3750	40.0	2	!	08/05/24	08/05/24	

Devon Energy - CarlsbadProject Name:Broadside 12 Facility 26488 7 Rivers HwyProject Number:01058-0007Reported:Artesia NM, 88210Project Manager:Ashley Giovengo8/9/2024 10:11:58AM

FS11-0.5' E408029-11

		210002> 11					
Analyte	Result	Reporting Limit	Dilut	tion P	repared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: RKS			Batch: 2432011
Benzene	ND	0.0250	1	. 0	8/05/24	08/06/24	
Ethylbenzene	ND	0.0250	1	. 0	8/05/24	08/06/24	
Toluene	ND	0.0250	1	. 0	8/05/24	08/06/24	
o-Xylene	ND	0.0250	1	. 0	8/05/24	08/06/24	
p,m-Xylene	ND	0.0500	1	. 0	8/05/24	08/06/24	
Total Xylenes	ND	0.0250	1	. 0	8/05/24	08/06/24	
Surrogate: Bromofluorobenzene		97.7 %	70-130	0	8/05/24	08/06/24	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	0	8/05/24	08/06/24	
Surrogate: Toluene-d8		106 %	70-130	0	8/05/24	08/06/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg Analyst: RKS				Batch: 2432011	
Gasoline Range Organics (C6-C10)	ND	20.0	1	. 0	8/05/24	08/06/24	
Surrogate: Bromofluorobenzene		97.7 %	70-130	0	8/05/24	08/06/24	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	0	8/05/24	08/06/24	
Surrogate: Toluene-d8		106 %	70-130	0	8/05/24	08/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: KM			Batch: 2432016
Diesel Range Organics (C10-C28)	ND	25.0	1	. 0	8/05/24	08/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	. 0	8/05/24	08/06/24	
Surrogate: n-Nonane		128 %	50-200	0	8/05/24	08/06/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: DT			Batch: 2432014
Chloride	2320	40.0	2	. 0	8/05/24	08/05/24	

Sample Data

Devon Energy - CarlsbadProject Name:Broadside 12 Facility 26488 7 Rivers HwyProject Number:01058-0007Reported:Artesia NM, 88210Project Manager:Ashley Giovengo8/9/2024 10:11:58AM

FS12-0' E408029-12

		E400027-12					
	D. I	Reporting			D 1		N
Analyte	Result	Limit	Dilu	ition	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst: R	KS		Batch: 2432011
Benzene	ND	0.0250	1	l	08/05/24	08/06/24	
Ethylbenzene	ND	0.0250	1	l	08/05/24	08/06/24	
Toluene	ND	0.0250	1	I	08/05/24	08/06/24	
o-Xylene	ND	0.0250	1	I	08/05/24	08/06/24	
p,m-Xylene	ND	0.0500	1	l	08/05/24	08/06/24	
Total Xylenes	ND	0.0250	1	l	08/05/24	08/06/24	
Surrogate: Bromofluorobenzene		95.4 %	70-130		08/05/24	08/06/24	
Surrogate: 1,2-Dichloroethane-d4		97.4 %	70-130		08/05/24	08/06/24	
Surrogate: Toluene-d8		104 %	70-130		08/05/24	08/06/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: R	KS		Batch: 2432011
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	08/05/24	08/06/24	
Surrogate: Bromofluorobenzene		95.4 %	70-130		08/05/24	08/06/24	
Surrogate: 1,2-Dichloroethane-d4		97.4 %	70-130		08/05/24	08/06/24	
Surrogate: Toluene-d8		104 %	70-130		08/05/24	08/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	I	Analyst: K	М		Batch: 2432016
Diesel Range Organics (C10-C28)	ND	25.0	1	l	08/05/24	08/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	l	08/05/24	08/06/24	
Surrogate: n-Nonane		124 %	50-200		08/05/24	08/06/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: D	Т		Batch: 2432014
Chloride	6460	100	5	5	08/05/24	08/05/24	



Sample Data

Devon Energy - CarlsbadProject Name:Broadside 12 Facility 26488 7 Rivers HwyProject Number:01058-0007Reported:Artesia NM, 88210Project Manager:Ashley Giovengo8/9/2024 10:11:58AM

FS13-0' E408029-13

		Reporting				
Analyte	Result	Limit	Dilut	tion Prepar	ed Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst: RKS		Batch: 2432011
Benzene	ND	0.0250	1	08/05/	24 08/06/24	
Ethylbenzene	ND	0.0250	1	08/05/	24 08/06/24	
Toluene	ND	0.0250	1	08/05/	24 08/06/24	
o-Xylene	ND	0.0250	1	08/05/	24 08/06/24	
p,m-Xylene	ND	0.0500	1	08/05/	24 08/06/24	
Total Xylenes	ND	0.0250	1	08/05/	24 08/06/24	
Surrogate: Bromofluorobenzene		97.9 %	70-130	08/05/	24 08/06/24	
Surrogate: 1,2-Dichloroethane-d4		95.9 %	70-130	08/05/	24 08/06/24	
Surrogate: Toluene-d8		106 %	70-130	08/05/	08/06/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: RKS		Batch: 2432011
Gasoline Range Organics (C6-C10)	ND	20.0	1	08/05/	24 08/06/24	
Surrogate: Bromofluorobenzene		97.9 %	70-130	08/05/	24 08/06/24	
Surrogate: 1,2-Dichloroethane-d4		95.9 %	70-130	08/05/	24 08/06/24	
Surrogate: Toluene-d8		106 %	70-130	08/05/	08/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	I	Analyst: KM		Batch: 2432016
Diesel Range Organics (C10-C28)	ND	25.0	1	08/05/	24 08/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	08/05/	24 08/06/24	
Surrogate: n-Nonane		125 %	50-200	08/05/	24 08/06/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	I	Analyst: DT		Batch: 2432014
Chloride	5970	100	5	08/05/	24 08/05/24	



Sample Data

Devon Energy - CarlsbadProject Name:Broadside 12 Facility 26488 7 Rivers HwyProject Number:01058-0007Reported:Artesia NM, 88210Project Manager:Ashley Giovengo8/9/2024 10:11:58AM

FS14-0'

E408029-14

		Reporting					
Analyte	Result	Limit	Dilı	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS		Batch: 2432011
Benzene	ND	0.0250		1	08/05/24	08/06/24	
Ethylbenzene	ND	0.0250		1	08/05/24	08/06/24	
Toluene	ND	0.0250		1	08/05/24	08/06/24	
o-Xylene	ND	0.0250		1	08/05/24	08/06/24	
p,m-Xylene	ND	0.0500		1	08/05/24	08/06/24	
Total Xylenes	ND	0.0250		1	08/05/24	08/06/24	
Surrogate: Bromofluorobenzene		96.6 %	70-130		08/05/24	08/06/24	
Surrogate: 1,2-Dichloroethane-d4		99.3 %	70-130		08/05/24	08/06/24	
Surrogate: Toluene-d8		105 %	70-130		08/05/24	08/06/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	RKS		Batch: 2432011
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/05/24	08/06/24	
Surrogate: Bromofluorobenzene		96.6 %	70-130		08/05/24	08/06/24	
Surrogate: 1,2-Dichloroethane-d4		99.3 %	70-130		08/05/24	08/06/24	
Surrogate: Toluene-d8		105 %	70-130		08/05/24	08/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	KM		Batch: 2432016
Diesel Range Organics (C10-C28)	ND	25.0		1	08/05/24	08/06/24	
Oil Range Organics (C28-C36)	ND	50.0		1	08/05/24	08/06/24	
Surrogate: n-Nonane		124 %	50-200		08/05/24	08/06/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2432014



QC Summary Data

Broadside 12 Facility 2 Devon Energy - Carlsbad Project Name: Reported: 6488 7 Rivers Hwy Project Number: 01058-0007 Artesia NM, 88210 Project Manager: Ashley Giovengo 8/9/2024 10:11:58AM **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 Prepared: 08/05/24 Analyzed: 08/06/24 Blank (2432011-BLK1) 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 0.486 0.500 97.1 70-130 Surrogate: 1,2-Dichloroethane-d4 0.475 0.500 95.0 70-130 0.500 105 70-130 Surrogate: Toluene-d8 0.526 LCS (2432011-BS1) Prepared: 08/05/24 Analyzed: 08/05/24 2.14 0.0250 2.50 85.4 70-130 Benzene 2.50 90.5 70-130 2.26 Ethylbenzene 0.0250 2.17 0.0250 2.50 86.9 70-130 70-130 2.32 0.0250 2.50 93.0 o-Xylene 4.62 5.00 92.4 70-130 p,m-Xylene 0.0500 6.94 0.0250 7.50 92.6 70-130 Total Xylenes Surrogate: Bromofluorobenzene 0.500 0.500 99.9 70-130 0.500 97.7 70-130 Surrogate: 1,2-Dichloroethane-d4 0.489 70-130 Surrogate: Toluene-d8 0.498 0.500 Matrix Spike (2432011-MS1) Source: E408029-10 Prepared: 08/05/24 Analyzed: 08/05/24 2.13 0.0250 2.50 ND 85.0 48-131 45-135 Ethylbenzene 2.27 0.0250 2.50 ND 90.8 48-130 Toluene 2.24 0.0250 2.50 ND 89.7 2.23 0.0250 2.50 ND 89.0 43-135 o-Xylene ND 89.3 43-135 p,m-Xylene 4.46 0.0500 5.00 Total Xylenes 6.69 0.0250 7.50 ND 89.2 43-135 0.490 0.500 98.0 70-130 Surrogate: Bromofluorobenzene 0.500 99.2 70-130 Surrogate: 1,2-Dichloroethane-d4 0.496 0.500 70-130 0.517 Surrogate: Toluene-d8 Matrix Spike Dup (2432011-MSD1) Source: E408029-10 Prepared: 08/05/24 Analyzed: 08/05/24



Ethylbenzene

Toluene

o-Xylene

p,m-Xylene

Total Xylenes

Surrogate: Toluene-d8

Surrogate: Bromofluorobenzene

Surrogate: 1,2-Dichloroethane-d4

2.19

2.33

2.31

2.30

4.62

6.92

0.499

0.493

0.520

0.0250

0.0250

0.0250

0.0250

0.0500

0.0250

2.50

2.50

2.50

2.50

5.00

7.50

0.500

0.500

0.500

ND

ND

ND

ND

ND

ND

87.6

93.3

92.4

91.9

92.5

92.3

99.7

98.5

48-131

45-135

48-130

43-135

43-135

43-135

70-130

70-130

70-130

2.99

2.72

3.01

3.23

3.51

3.42

23

27

24

27

27

27

Surrogate: 1,2-Dichloroethane-d4

Surrogate: Toluene-d8

QC Summary Data

Broadside 12 Facility 2 Devon Energy - Carlsbad Project Name: Reported:

6488 7 Rivers Hwy		Project Number:		01058-0007					Reporteu.	
Artesia NM, 88210		Project Manager:		Ashley Giovengo			8/9/2024 10:11:58AM			
	Noi	nhalogenated O	rganic	es by EPA 8015	D - G1	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 (2432011-BLK1)							Prepared: 0	8/05/24 A	analyzed: 08/06/24	
Gasoline Range Organics (C6-C10)	ND	20.0								
Surrogate: Bromofluorobenzene	0.486		0.500		97.1	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.475		0.500		95.0	70-130				
Surrogate: Toluene-d8	0.526		0.500		105	70-130				
LCS (2432011-BS2)							Prepared: 0	8/05/24 A	analyzed: 08/06/24	
Gasoline Range Organics (C6-C10)	54.8	20.0	50.0		110	70-130				
Surrogate: Bromofluorobenzene	0.491		0.500		98.2	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.488		0.500		97.6	70-130				
Surrogate: Toluene-d8	0.530		0.500		106	70-130				
Matrix Spike (2432011-MS2)				Source: E4	08029-	10	Prepared: 0	8/05/24 A	analyzed: 08/06/24	
Gasoline Range Organics (C6-C10)	53.4	20.0	50.0	ND	107	70-130				
Surrogate: Bromofluorobenzene	0.485		0.500		97.0	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.488		0.500		97.5	70-130				
Surrogate: Toluene-d8	0.529		0.500		106	70-130				
Matrix Spike Dup (2432011-MSD2)				Source: E4	08029-	10	Prepared: 0	8/05/24 A	analyzed: 08/06/24	
Gasoline Range Organics (C6-C10)	53.3	20.0	50.0	ND	107	70-130	0.229	20		
Surrogate: Bromofluorobenzene	0.494		0.500		98.8	70-130				

0.500

0.500

0.478

0.534

95.5

107

70-130

70-130



QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy	Project Name: Project Number:	Broadside 12 Facility 2 01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	8/9/2024 10:11:58AM

Artesia NM, 88210		Project Manage	r: As	shley Gioveng	go				8/9/2024 10:11:58AN
	Nonha	logenated Or	ganics by	EPA 8015I) - DRO	/ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2432016-BLK1)							Prepared: 0	8/05/24 An	alyzed: 08/05/24
Diesel Range Organics (C10-C28)	ND	25.0							
il Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	60.7		50.0		121	50-200			
LCS (2432016-BS1)							Prepared: 0	8/05/24 An	alyzed: 08/05/24
Diesel Range Organics (C10-C28)	331	25.0	250		132	38-132			
urrogate: n-Nonane	62.4		50.0		125	50-200			
Matrix Spike (2432016-MS1)				Source:	E408029-	03	Prepared: 0	8/05/24 An	alyzed: 08/05/24
Diesel Range Organics (C10-C28)	316	25.0	250	ND	126	38-132			
urrogate: n-Nonane	60.5		50.0		121	50-200			
Matrix Spike Dup (2432016-MSD1)				Source:	E408029-	03	Prepared: 0	8/05/24 An	alyzed: 08/05/24
Diesel Range Organics (C10-C28)	315	25.0	250	ND	126	38-132	0.126	20	
urrogate: n-Nonane	63.4		50.0		127	50-200			



Matrix Spike Dup (2432014-MSD1)

Chloride

4380

QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210		Project Name: Project Number Project Manage	: 0	Broadside 12 Fa 1058-0007 Ashley Gioveng	•			Reported: 8/9/2024 10:11:58AM	
		Anions	by EPA	300.0/9056	4				Analyst: DT
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2432014-BLK1)							Prepared: 0	8/05/24 A	nalyzed: 08/05/24
Chloride	ND	20.0							
LCS (2432014-BS1)							Prepared: 0	8/05/24 A	nalyzed: 08/05/24
Chloride	250	20.0	250		100	90-110			
Matrix Spike (2432014-MS1)				Source:	E408029-	05	Prepared: 0	8/05/24 A	nalyzed: 08/05/24
Chloride	4310	40.0	250	3950	143	80-120			M4

250

40.0

Source: E408029-05

168

80-120

1.46

3950

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.



Prepared: 08/05/24 Analyzed: 08/05/24

M4

20

Definitions and Notes

ſ	Devon Energy - Carlsbad	Project Name:	Broadside 12 Facility 2	
l	6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
l	Artesia NM, 88210	Project Manager:	Ashley Giovengo	08/09/24 10:11

M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The

associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

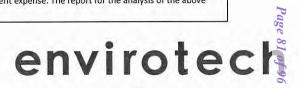
Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



	Page _/	of D
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	RCRA] ÷
1	or N	/25/2024
ks		Received by OCD: 8/25/2024 10:25:45 AM 6
_		AM

	Clie	nt Inform	nation		Invoice Information				i	Lab U	se Or	ly		TAT State						
Client: D	evon			Co	empany: Devon		La	b W	0#		Job	Num	ber		1D 2	D 3D S	td	d NM CO UT TX		
	Broadside 12	2 Facility	2		Idress: 205 E Bender Road #1	50			802	a	010	58-	100			X		X	<u> </u>	
	lanager: As	Oral Color Dallace			ty, State, Zip: Hobbs NM, 8824		7												3	
	3122 Natio		The state of the s		one: (575)748-1838						Ana	lysis	and	Met	hod			EPA Program	1	
1 1 1 1 1 1 1	e, Zip: Carls				mail: dale.woodall@dvn.com		-					.,					9		RCRA	
	75-988-005		00220		cellaneous: Dale Woodall			8								4 3				
	giovengo@e		om	IVIIS	cellaneous. Dale Woodan													ompliance Y	or N	
Linaii. a	sioverigo@e	ii30iuiii.c	OIII			-		108	8015			0			s			WSID#	0. 1.1	
			Sar	nple Informati	on	_		er 801/080/080/080/080/080/080/080/080/080/	GRO/DRO by	8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals					
Time		No. of the last of	No. of		2000102	0 0	Lab	, ao	E S	þ	by	ride	00	100	80			Remarks		
Sampled	Date Sampled	Matrix	Containers		Sample ID	Field	Lab Numb	er 2	GRO GRO	втех ьу	00	Chlo	BGD	TCEC	RCR					
9:05	8/1/2024	S	1		FS01 - 0'		1						х							
9:07	8/1/2024	S	1		FS02 - 0'		2						х							
9:09	8/1/2024	S	1		FS03 - 0'		3						х							
9:16	8/1/2024	S	1		FS04 - 0.5'		4						х							
9:18	8/1/2024	S	1		FS05 - 0.5'		5						х							
9:20	8/1/2024	S	1		FS06 - 0.5'		6	1					х							
9:24	8/1/2024	S	1		FS07 - 0.5'		7						х							
9:25	8/1/2024	S	1		FS08 - 0.5'		8						х							
9:27	8/1/2024	S	1		FS09 - 0.5'		9						х							
9:30	8/1/2024	S	1		FS10 - 0.5'		K						х							
bdeal@e	nsolum.com	n, bsimm validity and	ons@ensolum.co	om	agiovengo@ensolum.com, d															
The state of the s	ed by: (Signatur		Date	Time	Received by: (Signature)	Date		Tin	me		1		Sample	es requi	iring therm	al preservation	n must	be received on ice the day t	hey are	
- Consideration	7. (5)8/18(0)		812124	1020	Wieleste Garal		2.24	1	102	D			sample	ed or re	ceived pac			emp above 0 but less than 6	Water Street	
Relinquish	ed by (Signatur	re)		Time 1545	Received by: (Signature)	Date		1 Tin	ne 7	30				uent d	l on ice			Only		
11	ed by: (Signatur	10	Date 8.2.14	Time 2330	Received by: (Signature)	Date		127 Tin	me 9:	15			<u>T1</u>					T3		
Relinquish	ed by: (Signatur	re)	Date	Time	Received by: (Signature)	Date		Tin	me				AVG	Ten	np °C_	4				
Sample Mat	rix: S - Soil, Sd - S	olid, Sg - Slu	dge, A - Aqueous, O - O	her		Con	tainer T	ype: g	g - gla:	ss, p -	poly/	plasti	c, ag	- amb	er glas	s, v - VOA				
					arrangements are made. Hazardous										t expen	se. The rep	ort fo	r the analysis of the ab	oove	
camples is	annlicable only	to thorac	amples received by t	he laboratory with	this COC The liability of the laborat	any ic lim	ited to th	ne amo	ount n	aid for	on the	renn	rt							





Client Information					Invoice Information			Lab Use Only									T	AT	State						
Client: [Devon		4454		Co	mpany: Devon		1	ab W	/0#			Job	Num	ber		1D	2D	3D Std	NM	CO U	T TX			
	Broadside 12	2 Facility	2			dress: 205 E Bender Road #	150		ENO				1110000000	58-		57			X	Х					
Project N	Manager: Asl	hley Giov	engo		Cit	y, State, Zip: Hobbs NM, 88	3240																		
	: 3122 Natio				Pho	one: (575)748-1838			Analysis							Met	thod			E	PA Prog	ram			
City, Sta	te, Zip: Carls	bad NM,	88220		En	nail: dale.woodall@dvn.co	om													SDWA	CWA	RCRA			
Phone:	575-988-005	5			Miso	cellaneous: Dale Woodall																			
Email: a	giovengo@e	nsolum.c	om							51	52									Complian	nce Y	or N			
										/ 801	/ 801	-	_	0.0	-	×	als			PWSID#					
				Samp	ple Informatio	n				30 b	30 b)	805	8260	e 300	Z -	T-50	Met								
Time Sampled	Date Sampled	Matrix	No. of Containers			Sample ID			Sample ID		Lab Numb	ber	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300,0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Remark	CS
9:31	8/1/2024	S	1			FS11 - 0.5'		U							х										
13:26	8/1/2024	S	1				17	2						х											
13:31	8/1/2024	S	1				13	3						х											
13:37	8/1/2024	S	1		FS14 - 0'										х										
bdeal@	ensolum.con	n, bsimm	ons@ense	olum.con	n	agiovengo@ensolum.com																			
	pler), attest to the		authenticity	of this samp	le. I am aware tha	t tampering with or intentionally misla	beling the s	ample loc	ation, o	date	or time	e of co	ollectio	n is co	nsider	ed fra	ud and	may l	oe grounds fo	r legal action	n.				
Relinquish	ned by: (Signatu	re)	Date 8/	2/24	Time 1020	Received by: (Signature)	Date	7-2-2	4	Time	20	>			samp		eceived		preservation n d in ice at an a						
Relinquish	ned by: (Signatu	re) ongal		224	Time 1545	Received by: (Signature)	Date	1.2.2	4	Time 1								ice:	Lab U	se Only N					
Religiquist	hed by: (Signatu	18Q°	Date	224	7330	Received by: (Signature)	Date	3/2/1	4	ime q	:15				<u>T1</u>				<u>T2</u>		<u>T3</u>				
Relinquished by: (Signature) Date Time Received by: (Signature)					Received by: (Signature)	Date			Time			000		AV	3 Tei	mp °(c	4							
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardo																	v - VOA								



envirotech Inc.

Printed: 8/5/2024 10:59:38AM

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:	08/05/24	09:15	Work Order ID:	E408029
Phone:	(505) 382-1211	Date Logged In:	08/05/24	10:09	Logged In By:	Keyliegh Hall
Email:	ashley.giovengo@wescominc.com	Due Date:	08/09/24	17:00 (4 day TAT)		
Chain of	Custody (COC)					
	ne sample ID match the COC?		Yes			
	ne number of samples per sampling site location ma	itch the COC	Yes			
3. Were s	amples dropped off by client or carrier?		Yes	Carrier: Courier		
	e COC complete, i.e., signatures, dates/times, reque	ested analyses?	Yes			
5. Were a	Il samples received within holding time? Note: Analysis, such as pH which should be conducted i.e, 15 minute hold time, are not included in this disucss		Yes		<u>Comment</u>	s/Resolution
Sample T	Turn Around Time (TAT)					
	e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample C						
	sample cooler received?		Yes			
	was cooler received in good condition?		Yes			
9. Was th	e sample(s) received intact, i.e., not broken?		Yes			
	custody/security seals present?					
	were custody/security seals intact?		No			
•	, ,		NA			
	e sample received on ice? If yes, the recorded temp is 4°C Note: Thermal preservation is not required, if samples a minutes of sampling visible ice, record the temperature. Actual sample	re received w/i 15	Yes C			
	Container .	•				
	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	29	Yes			
	appropriate volume/weight or number of sample conta		Yes			
Field Lal		mens concetta.	105			
	field sample labels filled out with the minimum inf	ormation:				
	ample ID?	Offilation.	Yes			
	pate/Time Collected?		Yes			
	ollectors name?		No			
Sample I	<u>Preservation</u>					
21. Does	the COC or field labels indicate the samples were p	reserved?	No			
22. Are sa	ample(s) correctly preserved?		NA			
24. Is lab	filteration required and/or requested for dissolved in	metals?	No			
Multipha	se Sample Matrix					
	the sample have more than one phase, i.e., multipla	ase?	No			
	, does the COC specify which phase(s) is to be anal		NA			
		,, 2001	1424			
	act Laboratory	0	M-			
	amples required to get sent to a subcontract laborate subcontract laboratory specified by the client and	-	No NA	Subcontract Lab: N/A		
Client II	<u>nstruction</u>					
						_

Date

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



APPENDIX E

Email Correspondence

 From:
 Velez, Nelson, EMNRD

 To:
 Ashley Giovengo

 Cc:
 Woodall, Dale

Subject: Re: [EXTERNAL] FW: Extension Request - Broadside 12 Facility 2 - Incident Number nAPP2403957544

Date: Wednesday, May 8, 2024 12:14:55 PM

Attachments: <u>image001.png</u>

image002.png image003.png image004.png Outlook-ct4ecpo1.png

[**EXTERNAL EMAIL**]

Good afternoon Ashley,

Your 90-day time extension request is approved. Remediation Due date has been updated to August 6, 2024.

Please keep a copy of this communication for inclusion within the appropriate report submittal.

The OCD requires a copy of all correspondence relative to remedial activities be included in all proposals and/or final closure reports. Correspondence required to be included in reports may include, but not limited to, notifications for liner inspections, sample events, spill/release/fire, and request for time extensions or variances.

Regards,

Nelson Velez • Environmental Specialist - Adv Environmental Bureau | EMNRD - Oil Conservation Division 1000 Rio Brazos Road | Aztec, NM 87410 (505) 469-6146 | nelson.velez@emnrd.nm.gov http://www.emnrd.state.nm.us/OCD/



From: Ashley Giovengo <agiovengo@ensolum.com>

Sent: Wednesday, May 8, 2024 12:09 PM

To: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>

Cc: Woodall, Dale <Dale.Woodall@dvn.com>

Subject: [EXTERNAL] FW: Extension Request - Broadside 12 Facility 2 - Incident Number

nAPP2403957544

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

All,

Devon Energy Production Company (Devon) is requesting an extension for the current deadline of May 08, 2024, for submitting a remediation work plan or closure report required in 19.15.29.12.B.(1) NMAC at the Broadside12 Facility 2 (Incident Number nAPP2403957544). The release occurred on February 08, 2024, and initial site assessment and delineation activities have been completed. Devon was able to secure landowner permission on April 23, 2024, for the purpose of establishing depth to water (DTW) within a 0.5-mile radius of the Site, however Devon is currently waiting on approval from the New Mexico Office of the State Engineer (NMOSE) for the WR-07 permit (Application for Permit to Drill a Well). Once Devon receives the approved drilling permit, the DTW determination will be completed, and remediation/confirmation sampling of the impacted area will begin. Devon intends to submit a remediation work plan or closure report, following remediation efforts and confirmation sampling. Devon respectfully requests an extension until August 06, 2024.

Devon will upload this extension request to the NMOCD web portal following this email submission.

Thanks,



"Your authenticity is your superpower." - Unknown

From: Velez, Nelson, EMNRD

To: Ashley Giovengo

Cc: dale.woodall@dvn.com; Cole Burton; Chad Hamilton; Bratcher, Michael, EMNRD

Subject: Re: [EXTERNAL] Extension Request - Broadside 12 Facility 2 - Incident Number nAPP2403957544

Date: Wednesday, August 7, 2024 8:35:18 AM

Attachments: <u>image001.png</u>

image002.png image003.png Outlook-pyjz4qkq.png

[**EXTERNAL EMAIL**]

Good morning Ashley,

Thank you for the correspondence. Your time extension request is approved. Remediation Due date has been updated to September 6, 2024.

Please keep a copy of this communication for inclusion within the appropriate report submittal.

Regards,

Nelson Velez • Environmental Specialist - Adv Environmental Bureau | EMNRD - Oil Conservation Division 1000 Rio Brazos Road | Aztec, NM 87410 (505) 469-6146 | nelson.velez@emnrd.nm.gov http://www.emnrd.nm.gov/ocd



From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>

Sent: Tuesday, August 6, 2024 2:11 PM

To: Velez, Nelson, EMNRD < Nelson. Velez@emnrd.nm.gov> **Cc:** Bratcher, Michael, EMNRD < mike.bratcher@emnrd.nm.gov>

Subject: FW: [EXTERNAL] Extension Request - Broadside 12 Facility 2 - Incident Number

nAPP2403957544

Nelson,

This one's for you!

Shelly

From: Ashley Giovengo <agiovengo@ensolum.com>

Sent: Tuesday, August 6, 2024 1:17 PM

To: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>; Enviro, OCD, EMNRD

<OCD.Enviro@emnrd.nm.gov>; Woodall, Dale <Dale.Woodall@dvn.com>

Cc: Cole Burton <cburton@ensolum.com>; Chad Hamilton <chamilton@ensolum.com>

Subject: [EXTERNAL] Extension Request - Broadside 12 Facility 2 - Incident Number

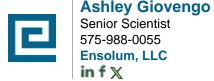
nAPP2403957544

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

All,

Devon Energy Production Company, LP (Devon) is requesting a second extension for the current deadline of August 06, 2024, for submitting a remediation work plan or closure report required in 19.15.29.12.B.(1) NMAC at the Broadside12 Facility 2 (Site) (Incident Number nAPP2403957544). The release occurred on February 08, 2024, and Devon was able to secure landowner permission on April 23, 2024, for the purpose of establishing depth to water (DTW) within a 0.5-mile radius of the Site. Devon completed the DTW boring on June 06, 2024, and excavation of the spill area was completed on August 01, 2024. Following excavation activities, Ensolum personnel collected confirmation samples every 200 square feet from the floor and sidewalls of the excavation. Devon intends to submit a remediation work plan or closure report, upon receiving final laboratory analytical results from confirmation sampling activities. Devon respectfully requests an extension until September 06, 2024.

Thanks,



"Your authenticity is your superpower." – Unknown

<u>District I</u> 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**

QUESTIONS

Action 377294

QUESTIONS

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	377294
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2403957544
Incident Name	NAPP2403957544 BROADSIDE 12 FACILITY 2 @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Facility	[fAPP2209631775] BROADSIDE 12 FACILITY 2

Location of Release Source	
Please answer all the questions in this group.	
Site Name	BROADSIDE 12 FACILITY 2
Date Release Discovered	02/08/2024
Surface Owner	Private

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure Flow Line - Production Produced Water Released: 7 BBL Recovered: 0 BBL Lost: 7 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	L.O. checked facility and found pin hole leak 6" water trunk line. 7.4 BBLS released onto pad. waiting on recovered volumes. well was shut in to stop the leak.

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Phone:(505) 334-6178 Fax:(505) 334-6170 District IV

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

QUESTIONS, Page 2

Action 377294

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462	
QUESTI	ONS (continued)
Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137 Action Number: 377294 Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)
QUESTIONS	
Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e.	e. gas only) are to be submitted on the C-129 form.
Initial Response The responsible party must undertake the following actions immediately unless they could create a s	safety hazard that would result in injury.
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.
	iation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative o ted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of valuation in the follow-up C-141 submission.
to report and/or file certain release notifications and perform corrective actions for releate the OCD does not relieve the operator of liability should their operations have failed to a	knowledge and understand that pursuant to OCD rules and regulations all operators are required asses which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or
I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional

Email: Dale.Woodall@dvn.com

Date: 08/25/2024

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720 District II

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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**

QUESTIONS, Page 3

Action 377294

QUESTIONS (continued)

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	377294
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

Remediation Plan		
Please answer all the questions that apply or are indicated. This information must be	provided to the appropriate district office no later than 90 days after the release discovery date.	
Requesting a remediation plan approval with this submission	Yes	
Attach a comprehensive report demonstrating the lateral and vertical extents of soil co	ontamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineate	ed Yes	
Was this release entirely contained within a lined containment area	No	
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)		
Chloride (EPA 300.0 or SM4500 Cl B)	7020	
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0	
GRO+DRO (EPA SW-846 Method 8015M)	0	
BTEX (EPA SW-846 Method 8021B or 8260B)	0	
Benzene (EPA SW-846 Method 8021B or 8260B	0	
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report include which includes the anticipated timelines for beginning and completing the remediation	s completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, n.	
On what estimated date will the remediation commence	07/30/2024	
On what date will (or did) the final sampling or liner inspection occur	08/01/2024	
On what date will (or was) the remediation complete(d)	08/01/2024	
What is the estimated surface area (in square feet) that will be reclaime	d 2628	
What is the estimated volume (in cubic yards) that will be reclaimed	40	
What is the estimated surface area (in square feet) that will be remediat	ted 2628	
What is the estimated volume (in cubic yards) that will be remediated	40	
These estimated dates and measurements are recognized to be the best guess or calculated and measurements are recognized to be the best guess or calculated and measurements.	ulation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.	
The OCD recognizes that proposed remediation measures may have to be minimally a	adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to	

significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

District I

1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 **District II**

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1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170 **District IV** 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462 State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS, Page 4

Action 377294

QUESTIONS (continued)

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	377294
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)		
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.		
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:		
(Select all answers below that apply.)		
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes	
Which OCD approved facility will be used for off-site disposal	R360 ARTESIA LLC LANDFARM [FEEM0112340644]	
OR which OCD approved well (API) will be used for off-site disposal	Not answered.	
OR is the off-site disposal site, to be used, out-of-state	Not answered.	
OR is the off-site disposal site, to be used, an NMED facility	Not answered.	
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.	
(In Situ) Soil Vapor Extraction	Not answered.	
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.	
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.	
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.	
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.	
OTHER (Non-listed remedial process)	Not answered.	

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

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

I hereby agree and sign off to the above statement

Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dvn.com

Date: 08/25/2024

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

Released to Imaging: 10/17/2024 9:51:21 AM

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

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

QUESTIONS, Page 5

Action 377294

QUESTIONS (continued)

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	377294
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

District I

1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720

<u>District II</u> 811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

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

QUESTIONS, Page 6

Action 377294

QUESTIONS (continued)

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	377294
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	367976
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	08/01/2024
What was the (estimated) number of samples that were to be gathered	14
What was the sampling surface area in square feet	2629

Remediation Closure Request		
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.		
Requesting a remediation closure approval with this submission	Yes	
Have the lateral and vertical extents of contamination been fully delineated	Yes	
Was this release entirely contained within a lined containment area	No	
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes	
What was the total surface area (in square feet) remediated	2628	
What was the total volume (cubic yards) remediated	40	
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes	
What was the total surface area (in square feet) reclaimed	2628	
What was the total volume (in cubic yards) reclaimed	40	
Summarize any additional remediation activities not included by answers (above)	see report	

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Name: Dale Woodall
Title: EHS Professional
Email: Dale.Woodall@dvn.com
Date: 08/25/2024

District I
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QUESTIONS, Page 7

Action 377294

QUESTIONS (continued)

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	377294
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

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

CONDITIONS

Action 377294

CONDITIONS

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	377294
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created	Condition	Condition Date
Ву		
nvelez	Remediation has met 19.15.29 NMAC requirements. Soil impacts exceeding the reclamation standards have been left in place and are required to meet 19.15.29.13D (1) NMAC once the site is no longer reasonably needed for production or subsequent drilling ops.	10/17/2024