State of New Mexico
Oil Conservation Division

Incident ID	nAPP2229038558
District RP	
Facility ID	
Application ID	

Closure

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

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

☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC

☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

☒ Description of remediation activities

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

Printed Name: Jim Raley
Title: Environmental Professional

Signature: Jim Raley
Date: 3/21/2023

email: jim.raley@dvn.com
Telephone: 575-689-7597

OCD Only

Received by: Jocelyn Harimon
Date: 03/21/2023

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

Closure Approved by: Robert Hamlet
Date: 8/2/2023

Printed Name: Robert Hamlet
Title: Environmental Specialist - Advanced

CLOSURE REQUEST

DEVON ENERGY COMPANY

Created for submission to New Mexico Oil Conservation Division on 2/27/2023

ASHLEY GIOVENGO
Project Environmental Scientist

ENERGIZING AMERICA

February 27, 2023

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

RE: CLOSURE REQUEST

COMPANY	Devon Energy Company
LOCATION	RDX 17 #002
API	30-015-36464
PLSS	Unit G Sec 17 T26S R30E
GPS	32.0453072, -103.9005585
INCIDENT ID	nAPP2229038558

BACKGROUND

Wescom, Inc., hereafter referred to as Wescom, has prepared this Closure Request on behalf of Devon Energy Company, hereafter referred to as Devon, regarding the release at the RDX 17 #002 (Site) located in Unit G, Section 17 Township 26 South and Range 30 East in Eddy County, New Mexico. The GPS coordinates are as follows: North 32.0453072 and West -103.9005585. Surface owner of the Site is Bureau of Land Management (BLM). The Site falls within New Mexico Oil Conservation Division (NMOCD), District 1 Hobbs.

On July 8, 2022, a lightning strike caused a fire at the tank battery resulting in the release of 439 barrels (bbls) of produced water and 18 bbls of crude oil into secondary containment. The release breached the earthen containment and impacted two additional areas on the North and West sides of the tank containment as shown in Figure 1. This fire led to the well plug and abandonment as the expense to rebuild the Site was not justified. On December 15, 2022, Devon requested a 90-day extension to remove the remaining equipment onsite prior to starting remediation of the impacted areas (Attachment G). Remediation of impacted soils was completed in accordance with the reclamation standard 19.15.29.13 NMAC.

On November 11, 2022, Wescom personnel arrived onsite to perform an initial surface scrape of the tank containment spill area and to begin delineation sampling. Wescom personnel returned to the Site on January

17, 2023, to continue excavation of the impacted areas and to begin confirmation sampling activities. Remediation of the three spill areas and final confirmation sampling was completed on February 14, 2023.

SURFACE & GROUND WATER

Devon contracted HRL Compliance Solutions to drill a temporary monitoring well at the RDX Federal Com 17-44H for the purpose of establishing depth to water in the area surrounding the Site. The boring log measurements from the temporary well at the RDX Federal Com 17-44H verify that the depth to groundwater is greater than 110 feet below ground surface (bgs) and is 0.36 miles North of the Site. No playas or lakes are located within a one-mile radius of this Site (Attachment C).

KARST POTENTIAL

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

TARGET REMEDIAL LEVELS

The target cleanup levels are determined using the NMOCD Closure Criteria (19.15.29.12.B(4) and Table 1 NMAC, inserted below) including karst guidelines from the Bureau of Land Management. This Site is in the medium karst potential zone and depth to groundwater is greater than 110 ft bgs therefore, the applicable Recommended Remediation Action Levels (RRALs) are 10 parts per million (ppm) Benzene, 50 ppm combined benzene, toluene, ethyl benzene, and xylene (BTEX) and 2500 ppm Total Petroleum Hydrocarbons (TPH) and 1000 ppm combined Gasoline Range Organics (GRO) and Diesel Range Organics (DRO). A chloride concentration at or below 20000 mg/kg (ppm) in the soil is also required.

The on-pad spill areas were cleaned up in accordance with the reclamation standard 19.15.29.13 NMAC, where all off-pad spill areas must contain a minimum of four feet non-waste containing uncontaminated, earthen material with chloride concentrations less than 600 mg/kg.

Closure Criteria (19.15.29.12.B(4) and Table 1 NMAC)						
RDX 17 #002 — 32.0453072, -103.9005585						
Depth to Groundwater		**Closure Criteria (unites in mg/kg)**				
		Chloride * numberical limit or background, whichever is greater	TPH	GRO+DRO	BTEX	Benzene
Based on high karst potential		600	100		50	10
No water data within 0.5 mile radius		600	100		50	10
less than 50 ft bgs		600	100		50	10
51 ft to 100 ft bgs		10000	2500	1000	50	10
greater than 100 ft bgs	**>110 Ft**	**20000**	**2500**	**1000**	**50**	**10**
Surface Water	**Yes or No**	**If yes, then**				
< 300 feet from continuously flowing watercourse or other significant watercourse?	No					
< 200 feet from lakebed, sinkhole or playa lake	No					
Water Well or Water Source						
< 500 feet from spring or a private, domestic fresh water well used by less than 5 households for domestic or stock watering purposes?	No					
< 1000 feet from fresh water well or spring?	No					
Human and Other Areas						
< 300 feet from an occupied permanent residence, school, hospital, institution or church?	No					
Within incorporated municipal boundaries or within a defined municipal fresh water well field?	No					
< 100 feet from wetland?	No					
Within area overlying a subsurface mine?	No					
Within an unstable area?	No					
Within a 100-year floodplan?	No					

Table: Closure Criteria Statistics

DELINEATION ACTIVITIES

On November 10, 2022, Wescom personnel arrived on Site to conduct delineation sampling of three spill areas as shown in Figure 1. Horizontal delineation sampling was completed in accordance with the strictest closure criteria per Table 1 NMAC. Vertical delineation sampling to the strictest criteria was achieved in two out of four sample locations; Wescom personnel hit refusal at 18 feet bgs in sample location SS01 and 17.5 feet bgs in sample location SS02. A background sample, BG01, was collected 54 feet to the East of the caliche pad, as shown in Figure 1. Wescom personnel returned to the Site on February 13, 2023, to perform an additional surface scrape of the spill area on the North side of the containment and to recollect sample SS06.

A total of 23 delineation samples were jarred and sent to Envirotech, Inc., for laboratory analysis and all samples were below the applicable RRALs for the Site. Delineation sample locations are presented in Figure 1; laboratory analysis results are presented in Table 1 and laboratory analytical reports are included in Attachment E.

REMEDIATION ACTIVITIES

On November 10, 2022, Wescom personnel arrived onsite to complete an initial scrape of the impacted area inside the earthen containment. Wescom personnel returned to the Site on January 17, 2023, to complete the excavation of impacted soils and to conduct confirmation sampling activities. Wescom returned to the Site on February 13, 2023, to recollect confirmation samples CONF27, CONF29, CONF33 and CONF45. Approximately 1,680 cubic yards of contaminated soil was removed from the spill areas and hauled to an approved disposal facility.

Wescom personnel collected 60 composite confirmation samples over the 11-day sampling and excavation period. All confirmation areas and samples are below the reclamation standards at a depth of four feet bgs except confirmation samples CONF27, CONF29 and CONF33. Confirmation samples CONF27, CONF29 and CONF33 were collected at depths greater than four feet bgs and are below the applicable RRALS for the Site as shown in Table 2. All soil samples were properly packaged, preserved, and transported to Envirotech, Inc. by chain of custody, and analyzed for Total Petroleum Hydrocarbons, or TPH, —Method 8015D, BTEX—Method 8021B, and Chlorides—Method 300.0. Confirmation sample locations are presented in Figure 2 and laboratory analytical reports are included in Attachment E.

The required 48-hour confirmation sampling notifications were sent on January 16, 2023, January 23, 2023, and February 10, 2023, to OCD.Enviro@emnrd.nm.gov and are included in Attachment F.

REQUEST FOR CLOSURE

On behalf of Devon, Wescom hereby requests closure for the release associated with incident number nAPP2229038558 based on the logic below.

- Depth to water at the Site is greater than 110 feet bgs, as per Attachment D.
- All confirmation areas and samples are below the reclamation standard at a depth of four feet bgs or below the applicable RRALs for the Site at depths greater than four feet bgs.
- Impacted material was removed and properly disposed of at an approved facility.
- The spill areas have been horizontally and vertically delineated.

If you have any questions or comments, please call Ms. Ashley Giovengo at (505) 382-1211.

Sincerely,

Wescom, Inc.

Ashley Giovengo
Project Environmental Scientist

cc: Jim Raley, Devon Energy Company

Environmental Incident Group, NMOCD

REFERENCE MATERIALS

FIGURES

TABLES

ATTACHMENTS

FIGURES

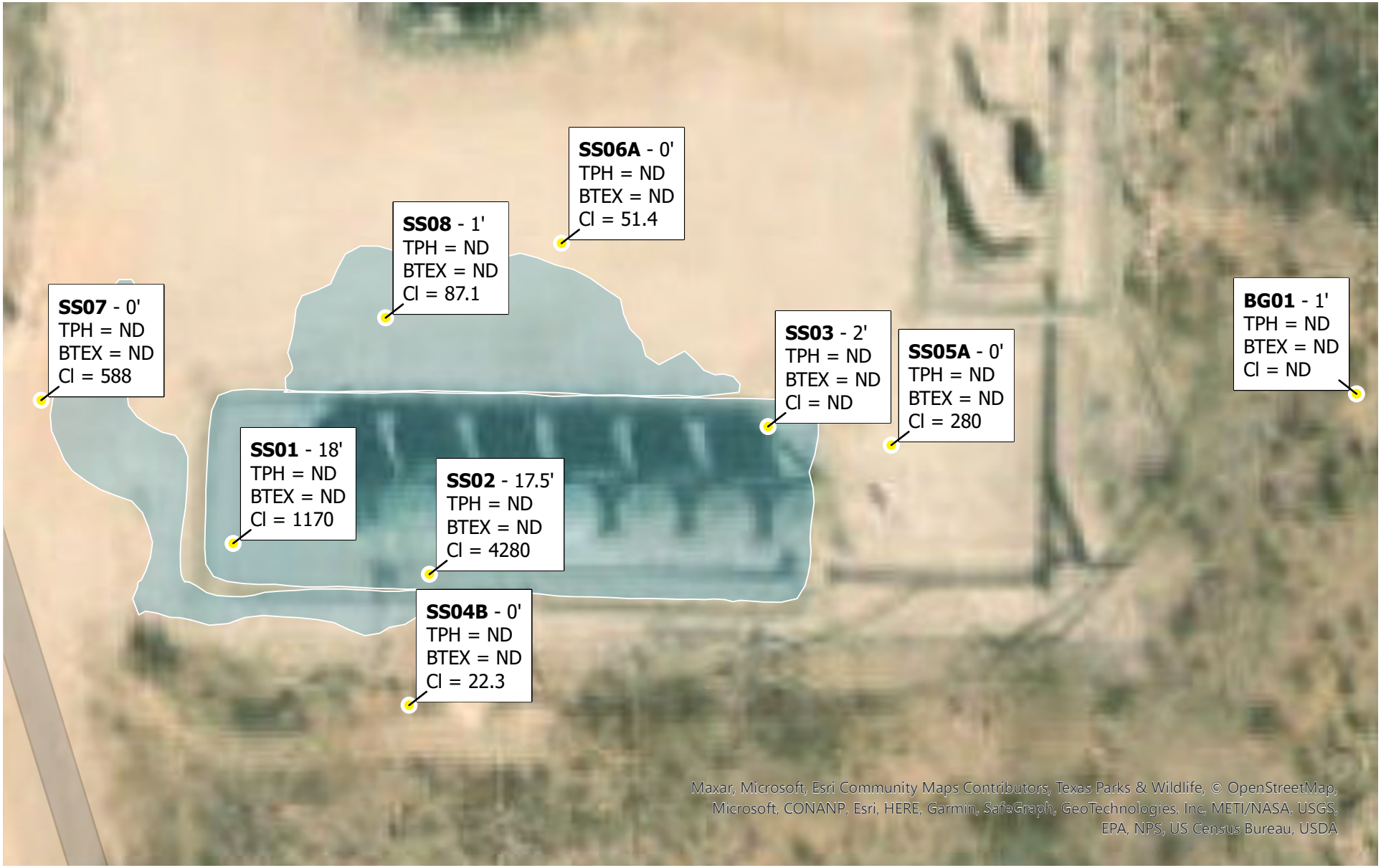


FIGURE 1. DELINEATION SAMPLING

0 25 50 75 100 Feet

RDX 17 #002
Incident ID: nAPP2229038558
API: 30-015-36464
GPS Coordinates: 32.0453072, -103.9005585
Eddy County, New Mexico
Devon Energy

LEGEND

- Delineation Sample Locations
- Spill Area - Tank Containment
- Spill Area - North Side
- Spill Area - West Side

N

WESCOM

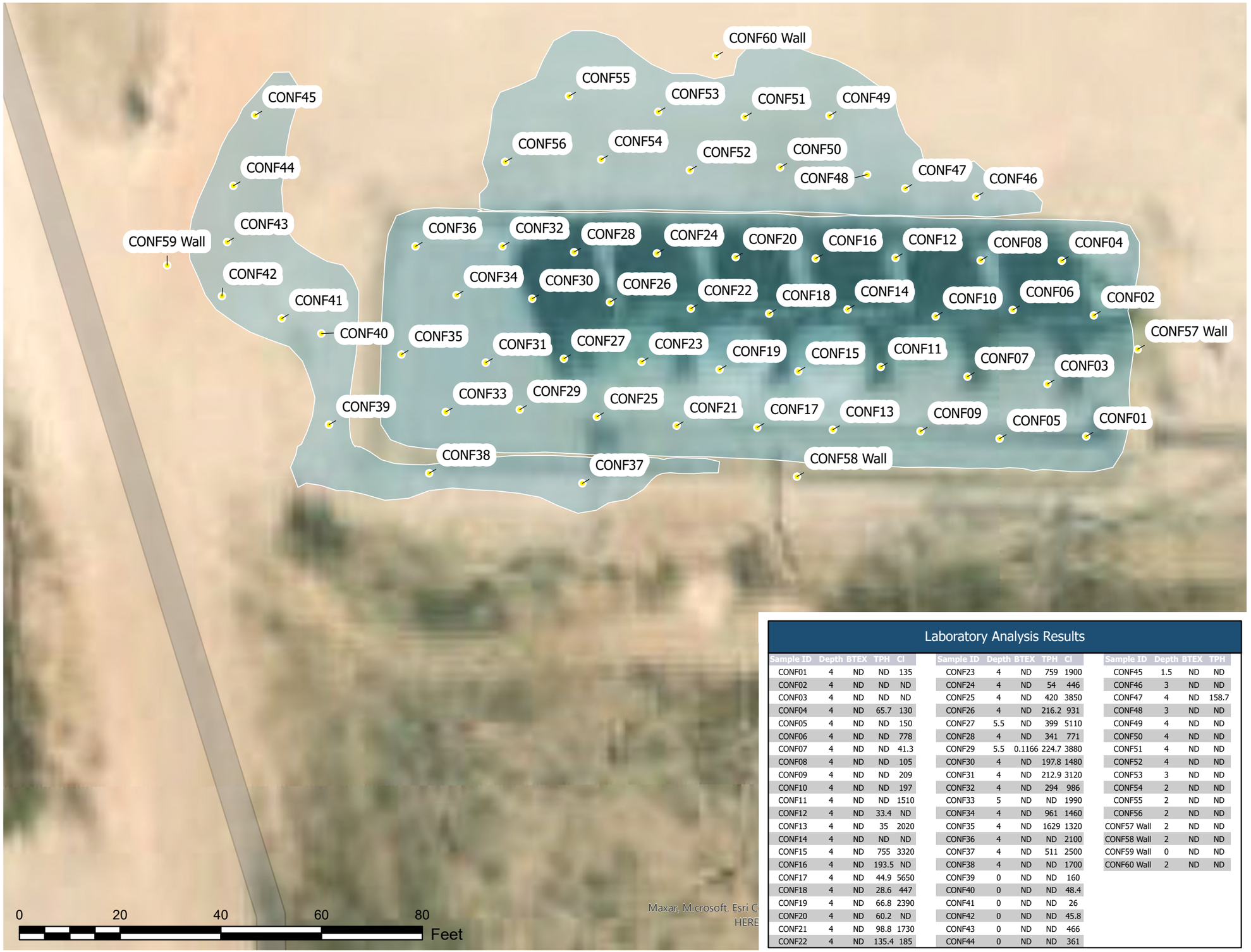


FIGURE 2. CONFIRMATION SAMPLING

RDX 17 #002
Incident ID: nAPP2229038558
API: 30-015-36464
GPS Coordinates:
32.0453072, -103.9005585
Eddy County, New Mexico

LEGEND

- Confirmation Sample Locations
- Spill Area - North Side
- Spill Area - Tank Containment
- Spill Area - West Side

N

Laboratory Analysis Results

Sample ID	Depth	BTEX	TPH	Cl
CONF01	4	ND	ND	135
CONF02	4	ND	ND	ND
CONF03	4	ND	ND	ND
CONF04	4	ND	65.7	130
CONF05	4	ND	ND	150
CONF06	4	ND	ND	778
CONF07	4	ND	ND	41.3
CONF08	4	ND	ND	105
CONF09	4	ND	ND	209
CONF10	4	ND	ND	197
CONF11	4	ND	ND	1510
CONF12	4	ND	33.4	ND
CONF13	4	ND	35	2020
CONF14	4	ND	ND	ND
CONF15	4	ND	755	3320
CONF16	4	ND	193.5	ND
CONF17	4	ND	44.9	5650
CONF18	4	ND	28.6	447
CONF19	4	ND	66.8	2390
CONF20	4	ND	60.2	ND
CONF21	4	ND	98.8	1730
CONF22	4	ND	135.4	185
CONF23	4	ND	759	1900
CONF24	4	ND	54	446
CONF25	4	ND	420	3850
CONF26	4	ND	216.2	931
CONF27	5.5	ND	399	5110
CONF28	4	ND	341	771
CONF29	5.5	0.1166	224.7	3880
CONF30	4	ND	197.8	1480
CONF31	4	ND	212.9	3120
CONF32	4	ND	294	986
CONF33	5	ND	ND	1990
CONF34	4	ND	961	1460
CONF35	4	ND	1629	1320
CONF36	4	ND	ND	2100
CONF37	4	ND	511	2500
CONF38	4	ND	ND	1700
CONF39	0	ND	ND	160
CONF40	0	ND	ND	48.4
CONF41	0	ND	ND	26
CONF42	0	ND	ND	45.8
CONF43	0	ND	ND	466
CONF44	0	ND	ND	361
CONF45	1.5	ND	ND	
CONF46	3	ND	ND	
CONF47	4	ND	158.7	
CONF48	3	ND	ND	
CONF49	4	ND	ND	
CONF50	4	ND	ND	
CONF51	4	ND	ND	
CONF52	4	ND	ND	
CONF53	3	ND	ND	
CONF54	2	ND	ND	
CONF55	2	ND	ND	
CONF56	2	ND	ND	
CONF57 Wall	2	ND	ND	
CONF58 Wall	2	ND	ND	
CONF59 Wall	0	ND	ND	
CONF60 Wall	2	ND	ND	

TABLES

RDX 17 #002 | nAPP2229038558

Devon Energy | 02.20.2023

Table 1. Laboratory Analysis Results: Delineation Samples

Sample Description			Petroleum Hydrocarbons			Inorganic
			Volatile		Extractable	
Sample ID	Depth (ft.)	Date	Benzene (mk/kg)	Total BTEX (mk/kg)	TPH (mk/kg)	Chloride (mk/kg)
Closure Criteria			**10**	**50**	**100**	**600**
BG01	1	11/11/2022	ND	ND	ND	ND
BG01	1	11/11/2022	ND	ND	ND	ND
SS01	2	11/10/2022	ND	ND	**2402**	104
SS01	4	11/10/2022	ND	ND	ND	**644**
SS01	6	11/11/2022	ND	ND	**242**	**2250**
SS01	8	11/11/2022	ND	ND	**1117**	**4730**
SS01	10	11/11/2022	ND	ND	**175.4**	**1640**
SS01	12	1/17/2023	ND	ND	**174.6**	**847**
SS01	14	1/18/2023	ND	ND	ND	**1080**
SS01	18	1/27/2023	ND	ND	ND	**1170**
SS02	2	11/10/2022	ND	ND	**1636**	**9650**
SS02	4	11/10/2022	ND	ND	ND	**5820**
SS02	6	11/11/2022	ND	ND	ND	**1140**
SS02	8	11/11/2022	ND	ND	ND	**1290**
SS02	10	11/11/2022	ND	ND	ND	**4470**
SS02	12	1/17/2023	ND	ND	ND	**4630**
SS02	14	1/18/2023	ND	ND	**1114**	**6310**
SS02	17.5	1/27/2023	ND	ND	ND	**4280**
SS03	2	3/7/2022	ND	ND	ND	ND
SS04B	0	3/7/2022	ND	ND	ND	22.3
SS05A	0	3/7/2022	ND	ND	ND	280
SS06A	0	3/7/2022	ND	ND	ND	**828**
SS06A	0	2/13/2023	ND	ND	ND	51.4
SS07	0	3/7/2022	ND	ND	ND	588
SS08	1	3/7/2022	ND	ND	ND	87.1

ABBREVIATIONS

BTEX — Benzene, Toluene, Ethylene, Xylene

DRO — Diesel Range Organics

ft. — Feet

TPH — Total Petroleum Hydrocarbons

GRO — Gasoline Range Organics

ND — Non-detect

mg/kg — Milligrams per Kilogram

Notes

Bold Red - Results are above closure criteria

Gray Highlight - Background Samples

RDX 17 #002 | nAPP2229038558

Devon Energy | 02.20.2023

Table 2. Laboratory Analysis Results: Confirmation Samples

Sample Description			Petroleum Hydrocarbons				Inorganic
			Volatile		Extractable		
Sample ID	Depth (ft.)	Date	Benzene (mk/kg)	Total BTEX (mk/kg)	TPH (mk/kg)	GRO+DRO (mk/kg)	Chloride (mk/kg)
Closure Criteria			**10**	**50**	**2500**	**1000**	**20000**
CONF01	4	1/19/2023	ND	ND	ND	ND	135
CONF02	4	1/19/2023	ND	ND	ND	ND	ND
CONF03	4	1/19/2023	ND	ND	ND	ND	ND
CONF04	4	1/19/2023	ND	ND	65.7	65.7	130
CONF05	4	1/19/2023	ND	ND	ND	ND	150
CONF06	4	1/19/2023	ND	ND	ND	ND	778
CONF07	4	1/19/2023	ND	ND	ND	ND	41.3
CONF08	4	1/19/2023	ND	ND	ND	ND	105
CONF09	4	1/19/2023	ND	ND	ND	ND	209
CONF10	4	1/19/2023	ND	ND	ND	ND	197
CONF11	4	1/20/2023	ND	ND	ND	ND	1510
CONF12	4	1/20/2023	ND	ND	33.4	33.4	ND
CONF13	4	1/20/2023	ND	ND	35	35	2020
CONF14	4	1/20/2023	ND	ND	ND	ND	ND
CONF15	4	1/20/2023	ND	ND	755	395	3320
CONF16	4	1/20/2023	ND	ND	193.5	125	ND
CONF17	4	1/20/2023	ND	ND	44.9	44.9	5650
CONF18	4	1/20/2023	ND	ND	28.6	28.6	447
CONF19	4	1/20/2023	ND	ND	66.8	66.8	2390
CONF20	4	1/20/2023	ND	ND	60.2	60.2	ND

ABBREVIATIONS

BTEX — Benzene, Toluene, Ethylene, Xylene

DRO — Diesel Range Organics

ft. — Feet

TPH — Total Petroleum Hydrocarbons

GRO — Gasoline Range Organics

ND — Non-detect

mg/kg — Milligrams per Kilogram

Notes

Bold Red - Results are above closure criteria

Gray Highlight - Background Samples

RDX 17 #002 | nAPP2229038558

Devon Energy | 02.20.2023

Table 2. Laboratory Analysis Results: Confirmation Samples

Sample Description			Petroleum Hydrocarbons				Inorganic
			Volatile		Extractable		
Sample ID	Depth (ft.)	Date	Benzene (mk/kg)	Total BTEX (mk/kg)	TPH (mk/kg)	GRO+DRO (mk/kg)	Chloride (mk/kg)
Closure Criteria			**10**	**50**	**2500**	**1000**	**20000**
CONF21	4	1/20/2023	ND	ND	98.8	98.8	1730
CONF22	4	1/20/2023	ND	ND	135.4	82.4	185
CONF23	4	1/20/2023	ND	ND	759	388	1900
CONF24	4	1/20/2023	ND	ND	54	54	446
CONF25	4	1/20/2023	ND	ND	420	420	3850
CONF26	4	1/20/2023	ND	ND	216.2	148	931
CONF27	4	1/20/2023	ND	ND	**3820**	**2240**	4010
CONF27	5.5	2/14/2023	ND	ND	399	210	5110
CONF28	4	1/20/2023	ND	ND	341	238	771
CONF29	4	1/20/2023	ND	0.443	**9210**	**6170**	1640
CONF29	5.5	2/14/2023	ND	0.1166	224.7	98.7	3880
CONF30	4	1/20/2023	ND	ND	197.8	128	1480
CONF31	4	1/20/2023	ND	ND	212.9	134	3120
CONF32	4	1/20/2023	ND	ND	294	184	986
CONF33	4	1/20/2023	ND	ND	**2511**	**1730**	1960
CONF33	5	2/14/2023	ND	ND	ND	ND	1990
CONF34	4	1/20/2023	ND	ND	961	615	1460
CONF35	4	1/20/2023	ND	ND	1629	928	1320
CONF36	4	1/20/2023	ND	ND	ND	ND	2100
CONF37	4	1/25/2023	ND	ND	511	251	2500
CONF38	4	1/25/2023	ND	ND	ND	ND	1700
CONF39	0	1/25/2023	ND	ND	ND	ND	160
CONF40	0	1/25/2023	ND	ND	ND	ND	48.4

ABBREVIATIONS

BTEX — Benzene, Toluene, Ethylene, Xylene

DRO — Diesel Range Organics

ft. — Feet

TPH — Total Petroleum Hydrocarbons

GRO — Gasoline Range Organics

ND — Non-detect

mg/kg — Milligrams per Kilogram

Notes

Bold Red - Results are above closure criteria

Gray Highlight - Background Samples

RDX 17 #002 | nAPP2229038558

Devon Energy | 02.20.2023

Table 2. Laboratory Analysis Results: Confirmation Samples

Sample Description			Petroleum Hydrocarbons				Inorganic
			Volatile		Extractable		
Sample ID	Depth (ft.)	Date	Benzene (mk/kg)	Total BTEX (mk/kg)	TPH (mk/kg)	GRO+DRO (mk/kg)	Chloride (mk/kg)
Closure Criteria			**10**	**50**	**2500**	**1000**	**20000**
CONF41	0	1/25/2023	ND	ND	ND	ND	26
CONF42	0	1/25/2023	ND	ND	ND	ND	45.8
CONF43	0	1/25/2023	ND	ND	ND	ND	466
CONF44	0	1/25/2023	ND	ND	ND	ND	361
CONF45	0.5	1/25/2023	ND	ND	ND	ND	**625**
CONF45	1.5	2/14/2023	ND	ND	ND	ND	466
CONF46	3	1/25/2023	ND	ND	ND	ND	66.1
CONF47	4	1/25/2023	ND	ND	158.7	87.3	419
CONF48	3	1/25/2023	ND	ND	ND	ND	430
CONF49	4	1/25/2023	ND	ND	ND	ND	693
CONF50	4	1/25/2023	ND	ND	ND	ND	1450
CONF51	4	1/25/2023	ND	ND	ND	ND	1060
CONF52	4	1/25/2023	ND	ND	ND	ND	644
CONF53	3	1/25/2023	ND	ND	ND	ND	484
CONF54	2	1/25/2023	ND	ND	ND	ND	414
CONF55	2	1/25/2023	ND	ND	ND	ND	320
CONF56	2	1/25/2023	ND	ND	ND	ND	218
CONF57 Wall	2	1/25/2023	ND	ND	ND	ND	ND
CONF58 Wall	2	1/25/2023	ND	ND	ND	ND	404
CONF59 Wall	0	1/25/2023	ND	ND	ND	ND	270
CONF60 Wall	2	1/25/2023	ND	ND	ND	ND	ND

ABBREVIATIONS

BTEX — Benzene, Toluene, Ethylene, Xylene

DRO — Diesel Range Organics

ft. — Feet

TPH — Total Petroleum Hydrocarbons

GRO — Gasoline Range Organics

ND — Non-detect

mg/kg — Milligrams per Kilogram

Notes

Bold Red - Results are above closure criteria

Gray Highlight - Background Samples

ATTACHMENT A

C-141

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

State of New Mexico
Energy Minerals and Natural Resources Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

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

Incident ID	nAPP2229038558
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party WPX Energy Permian, LLC	OGRID 246289
Contact Name Jim Raley	Contact Telephone 575-689-7597
Contact email jim.raley@dvn.com	Incident # *(assigned by OCD)* nAPP2229038558
Contact mailing address 5315 Buena Vista Drive, Carlsbad, NM 88220	

Location of Release Source

Latitude 32.0453072 Longitude -103.9005585
(NAD 83 in decimal degrees to 5 decimal places)

Site Name RDX 17 #002	Site Type Oil
Date Release Discovered 10/15/2022	API# *(if applicable)* 30-015-36464

Unit Letter	Section	Township	Range	County
G	17	26S	30E	Eddy

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

Nature and Volume of Release

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

☒ Crude Oil	Volume Released (bbls) 18	Volume Recovered (bbls) 0
☒ Produced Water	Volume Released (bbls) 439	Volume Recovered (bbls) 0
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☒ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release Lightning strike caused fire at tank battery, allowing release of fluids to secondary containment and pad surface.

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

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2229038558
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? [X] Yes [ ] No	If YES, for what reason(s) does the responsible party consider this a major release? Resulted in fire
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Yes via email to Rosa Romero and Mike Bratcher as well as BLM on 10/16/2022	

Initial Response

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

[X] The source of the release has been stopped.

[X] The impacted area has been secured to protect human health and the environment.

[X] Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.

[X] All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

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

Printed Name: Jim Raley Title: Environmental Proffessional

Signature: Jim Raley Date: 10/17/2022

email: jim.raley@dvn.com Telephone: 575-689-7597

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2229038558
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	>110 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☒ No

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

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

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

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

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2229038558
District RP	
Facility ID	
Application ID	

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

Printed Name: Jim Raley

Title: Environmental Professional

Signature: Jim Raley

Date: 3/21/2023

email: jim.raley@dvn.com

Telephone: 575-689-7597

OCD Only

Received by: Jocelyn Harimon

Date: 03/21/2023

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2229038558
District RP	
Facility ID	
Application ID	

Closure

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

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

☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC

☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

☒ Description of remediation activities

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

Printed Name: Jim Raley Title: Environmental Professional

Signature: Jim Raley Date: 3/21/2023

email: jim.raley@dvn.com Telephone: 575-689-7597

OCD Only

Received by: Jocelyn Harimon Date: 03/21/2023

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

ATTACHMENT B

Site Photos

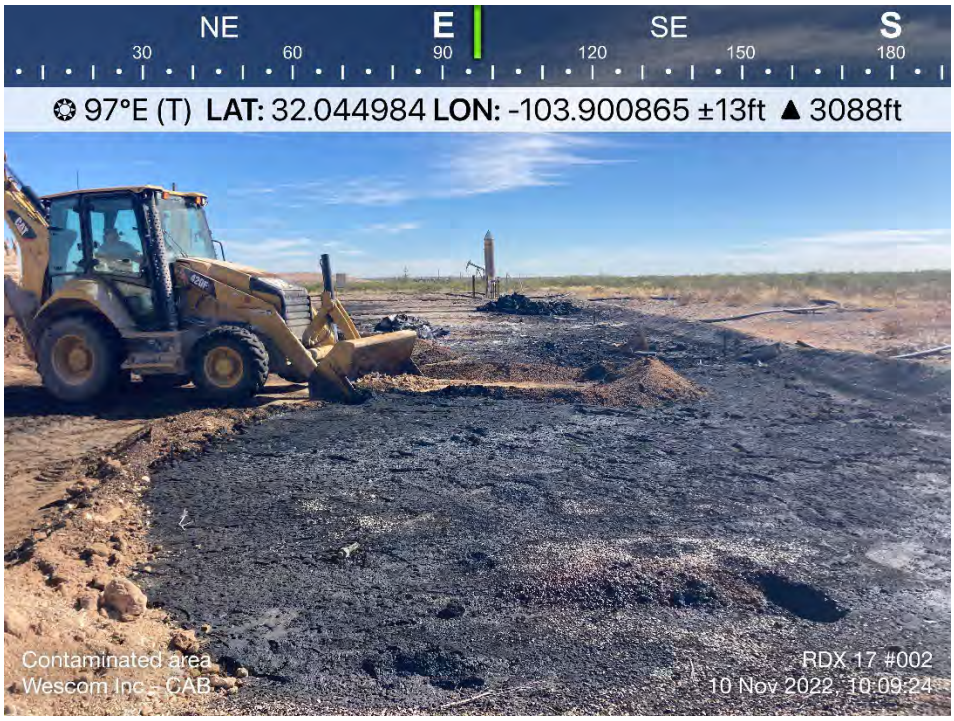
Tank Containment (After Fire)

Tank Containment (After Fire)

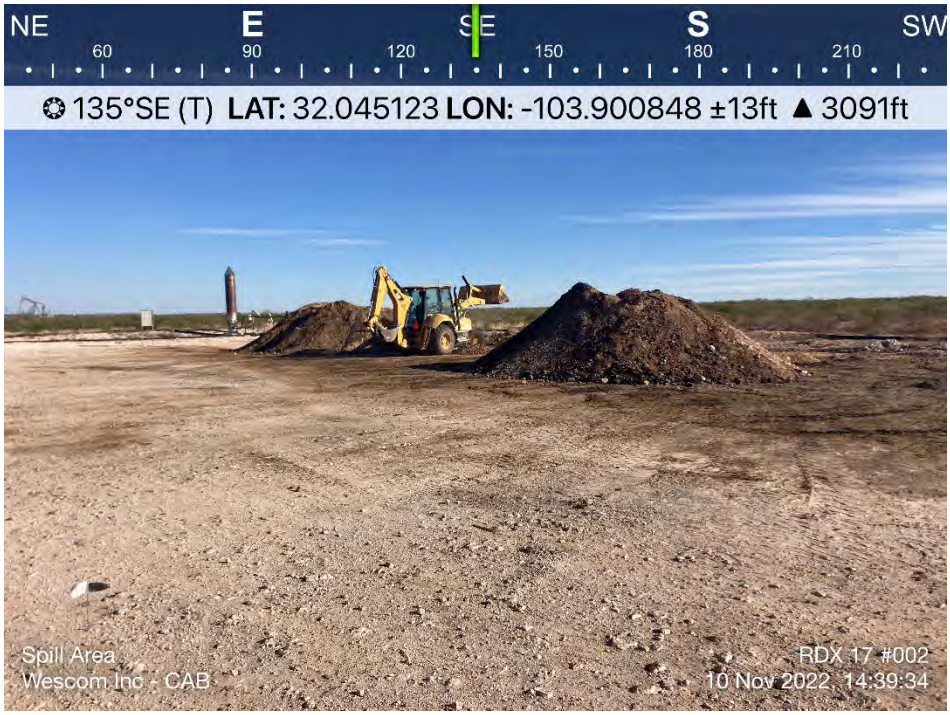
Spill Area (North of Containment)

Spill Area (West of Containment)

Spill Area (Southwest Corner)



Initial Scrape (Tank Containment)



Initial Scrape (Tank Containment)

Vertical Delineation

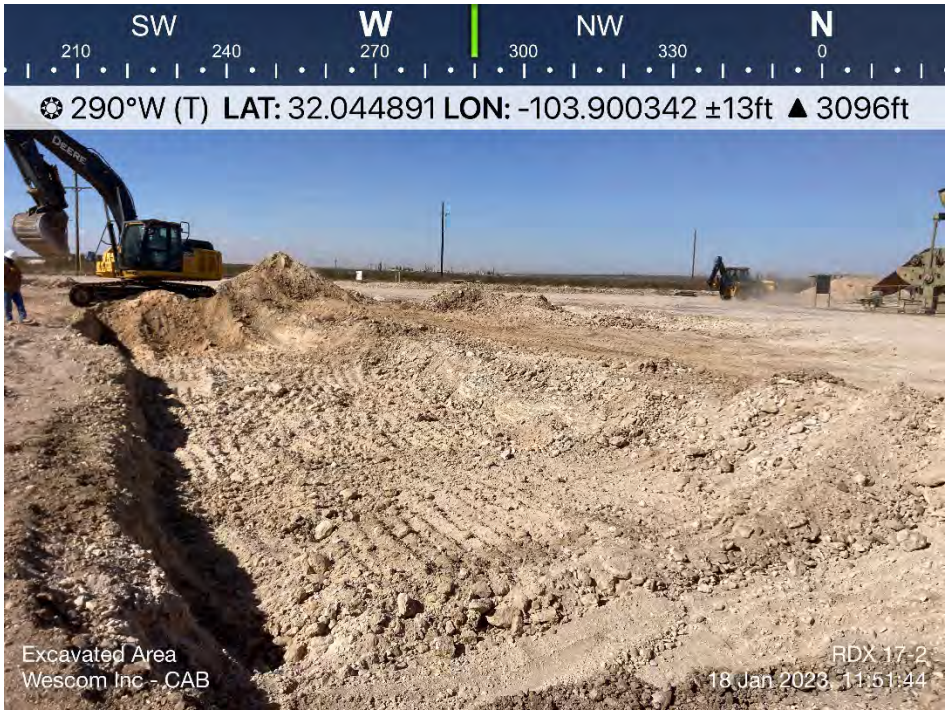
Contaminated Soil Removal

Contaminated Soil Removal

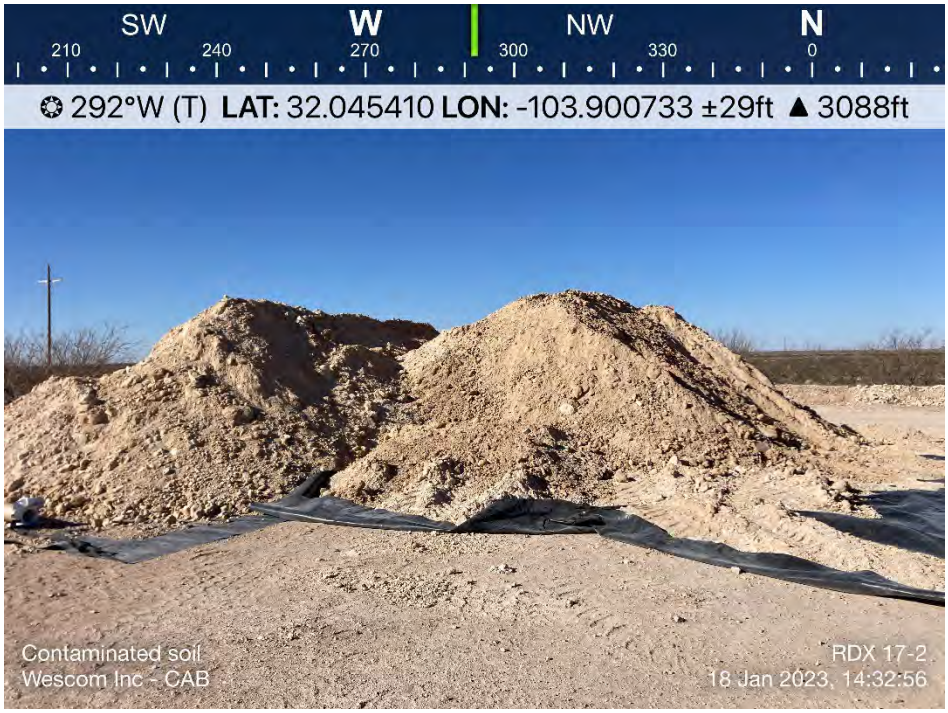
Vertical Delineation

Scraped Area (North of Containment)

Scraped Area (North of Containment)



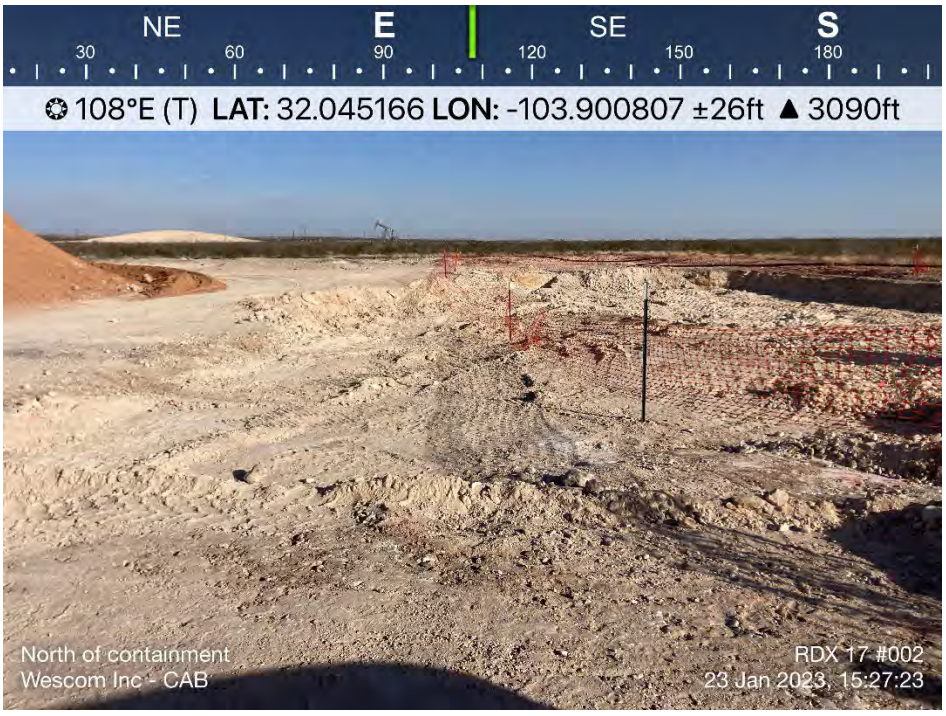
Excavation Area (Containment)



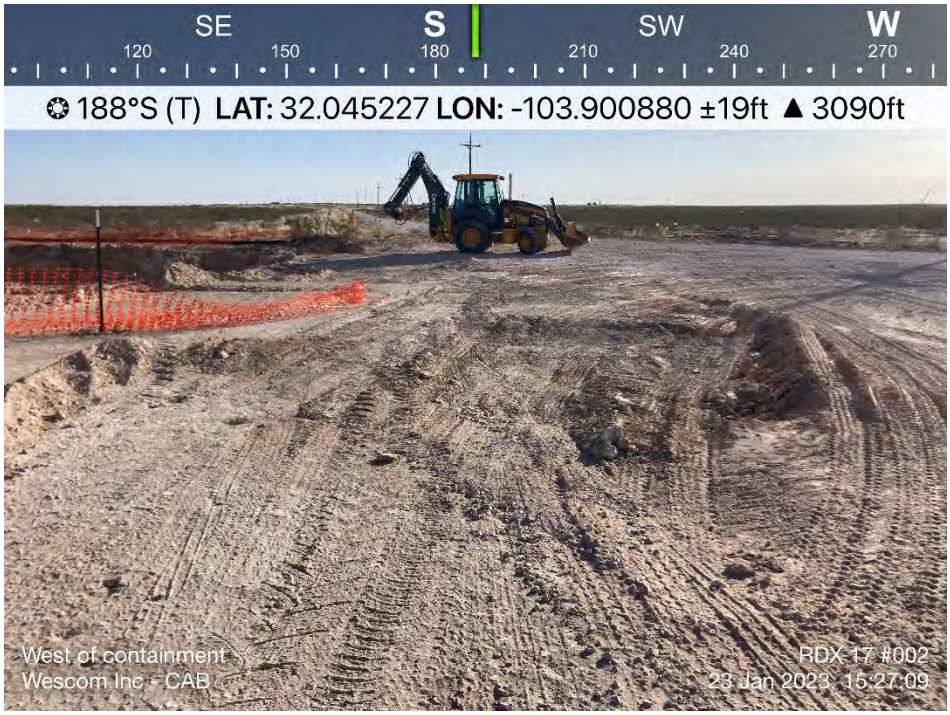
Contaminated Soil

Excavation Area (Containment)

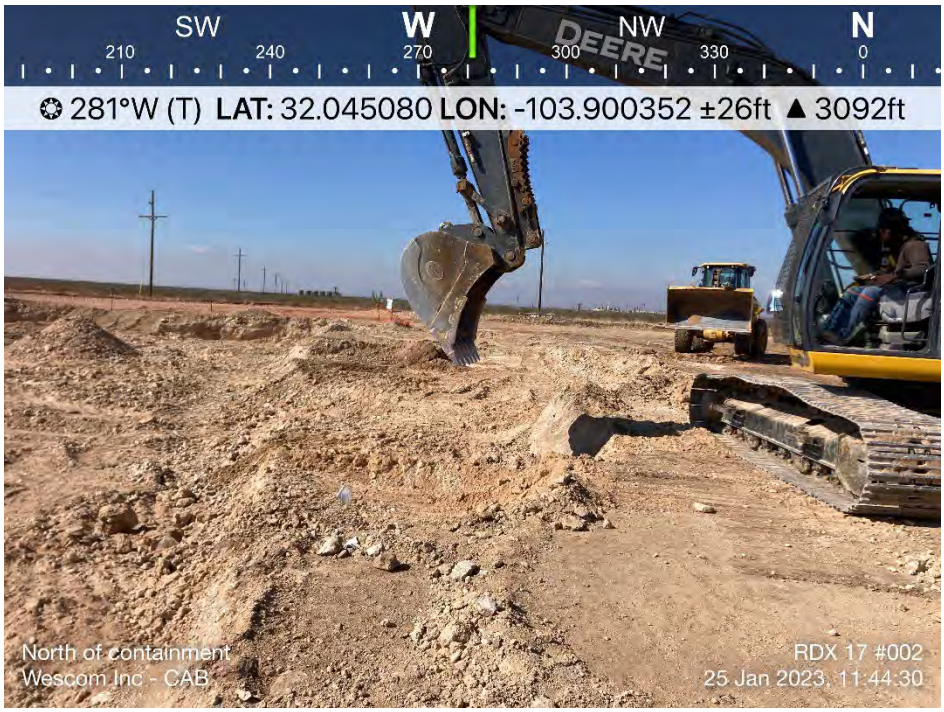
Excavation Area (Containment)



Excavation Area (North of Containment)

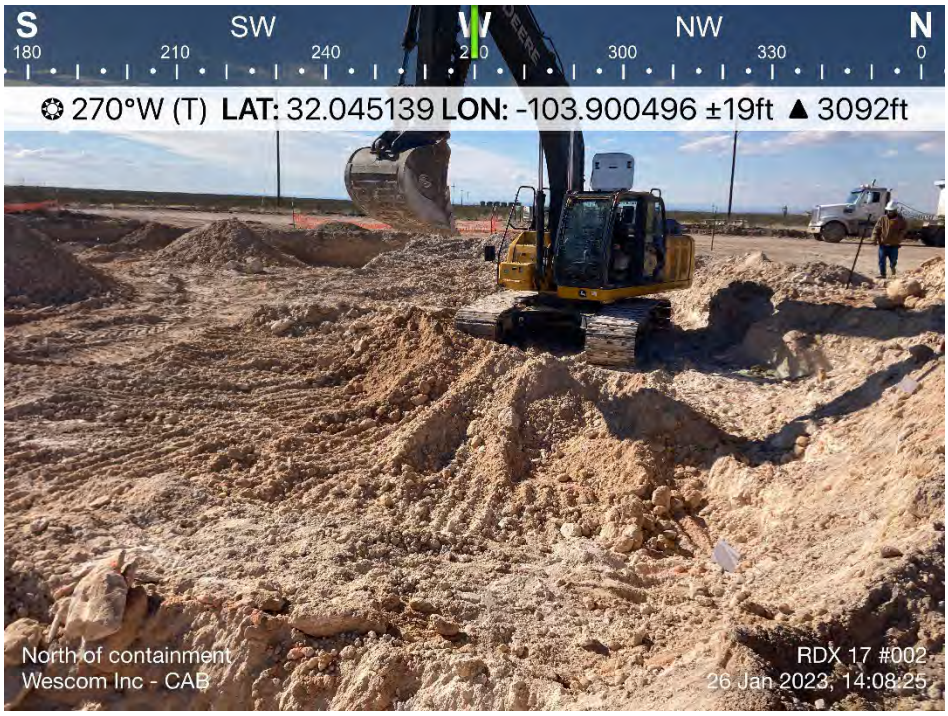


Excavation Area (West of Containment)



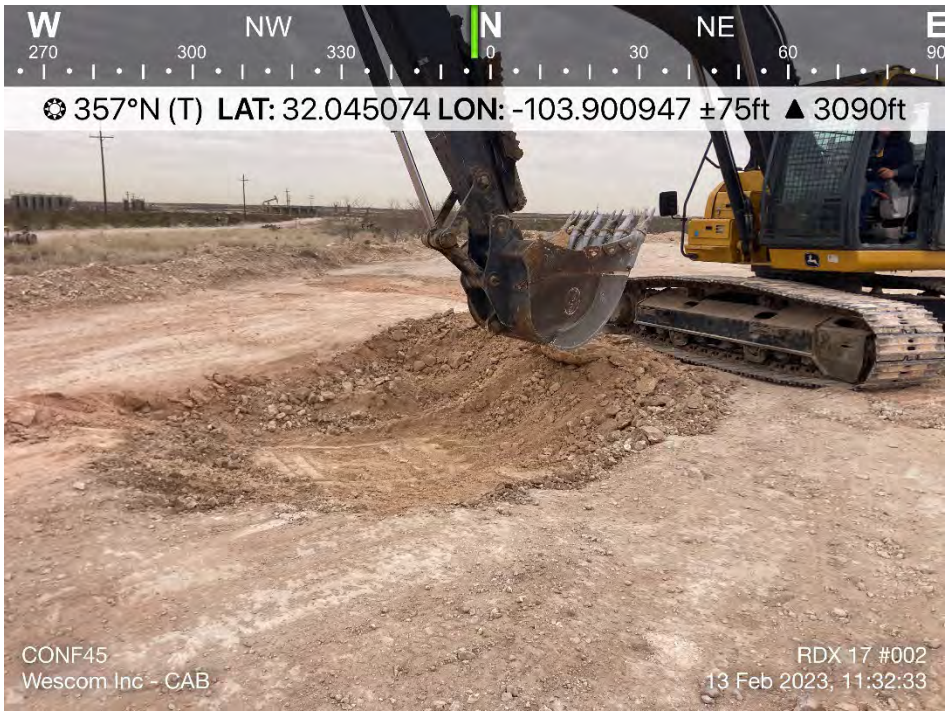
Excavation Area (North of Containment)

Vertical Delineation



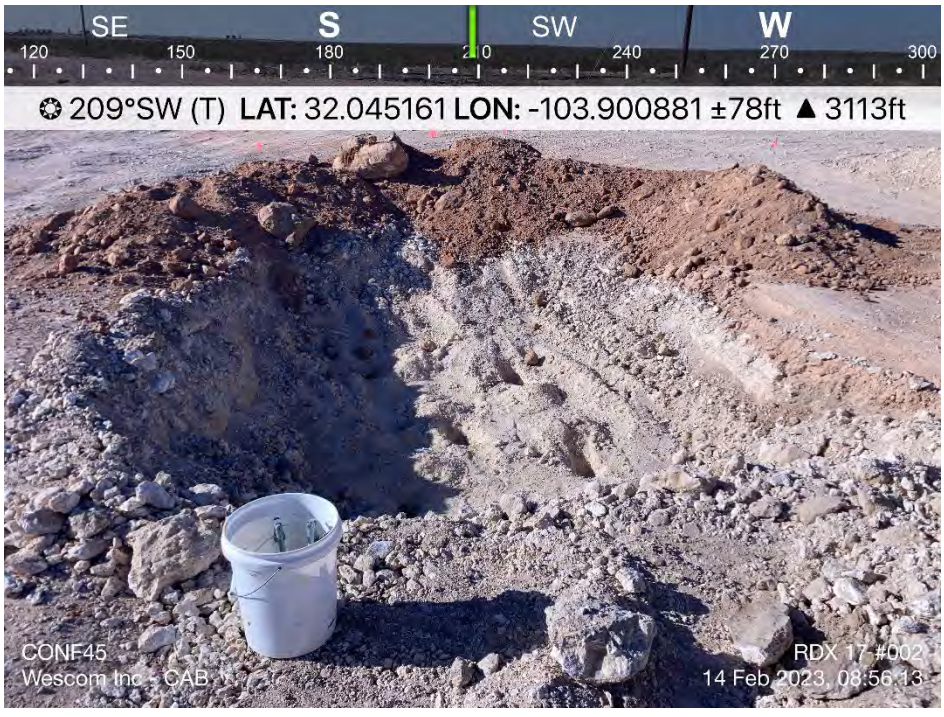
Excavation Area (North of Containment)

Excavation Area (CONF27, CONF29, and CONF33)



Excavation Area (CONF45)

Confirmation Sampling (CONF27, CONF29, and CONF33)



Confirmation Sampling (CONF45)

ATTACHMENT C

Closure Criteria Supporting Documents

Site Investigation Report

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

Site Activities

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

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

Conclusions

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

Respectfully,

K. Williams

Kris Williams, CHMM, REM
Operations Manager

Attached: Drilling Locations Maps
Soil Boring Logs

HRL COMPLIANCE SOLUTIONS

BORING LOG/MONITORING WELL COMPLETION DIAGRAM

Boring/Well Number: MW-1			Location: RDX Federal Com 17-44H
Date: 12/8/2020			Client: WPX Energy
Drilling Method: Air Rotary	Sampling Method: None	Logged By: J. Linn, PG	Drilled By: Talon LPE
Gravel Pack Type: 10/20 Sand	Gravel Pack Depth Interval: 3 Bags	Seal Type: None	Seal Depth Interval: None	Latitude: 32.049656
Casing Type: PVC	Diameter: 2-inch	Depth Interval: 0-105 ft bgs	Boring Total Depth (ft. BGS): 110	Longitude: -103.904054
Screen Type: PVC	Slot: 0.010-inch	Diameter: 2-inch	Depth Interval: 105 - 110 ft	Well Total Depth (ft. BGS): 110	Depth to Water (ft. BTOC): > 110	DTW Date: 12/16/2020

Depth Interval (ft)	Recovery (ft)	Plasticity	Moisture	Odor	Staining	PID (ppm)	USCS	Sample ID	Lithology/Remarks
0	NM	L	D	N	N	NM	CE	NS	Buff to pale pink colored caliche
5									
10									
15									
20									
25									
30									
35									
40									
45	NM	L	D	N	N	NM	SW	NS	Pinky orange well graded sand with minor silt
50									
55									
60									
65	NM	L	D	N	N	NM	SP	NS	Pinky pale brown orange poorly graded fine sand with minor silt
70									
75									
80	NM	L	D	N	N	NM	SW-SM SW-SC	NS	Pinky brown orange well-graded sand with silt and clay
85									
90									
95	NM	L	D	N	N	NM	SP	NS	Pinky pale brown orange poorly graded fine sand with minor silt - TD: 110' bgs
100									
105									

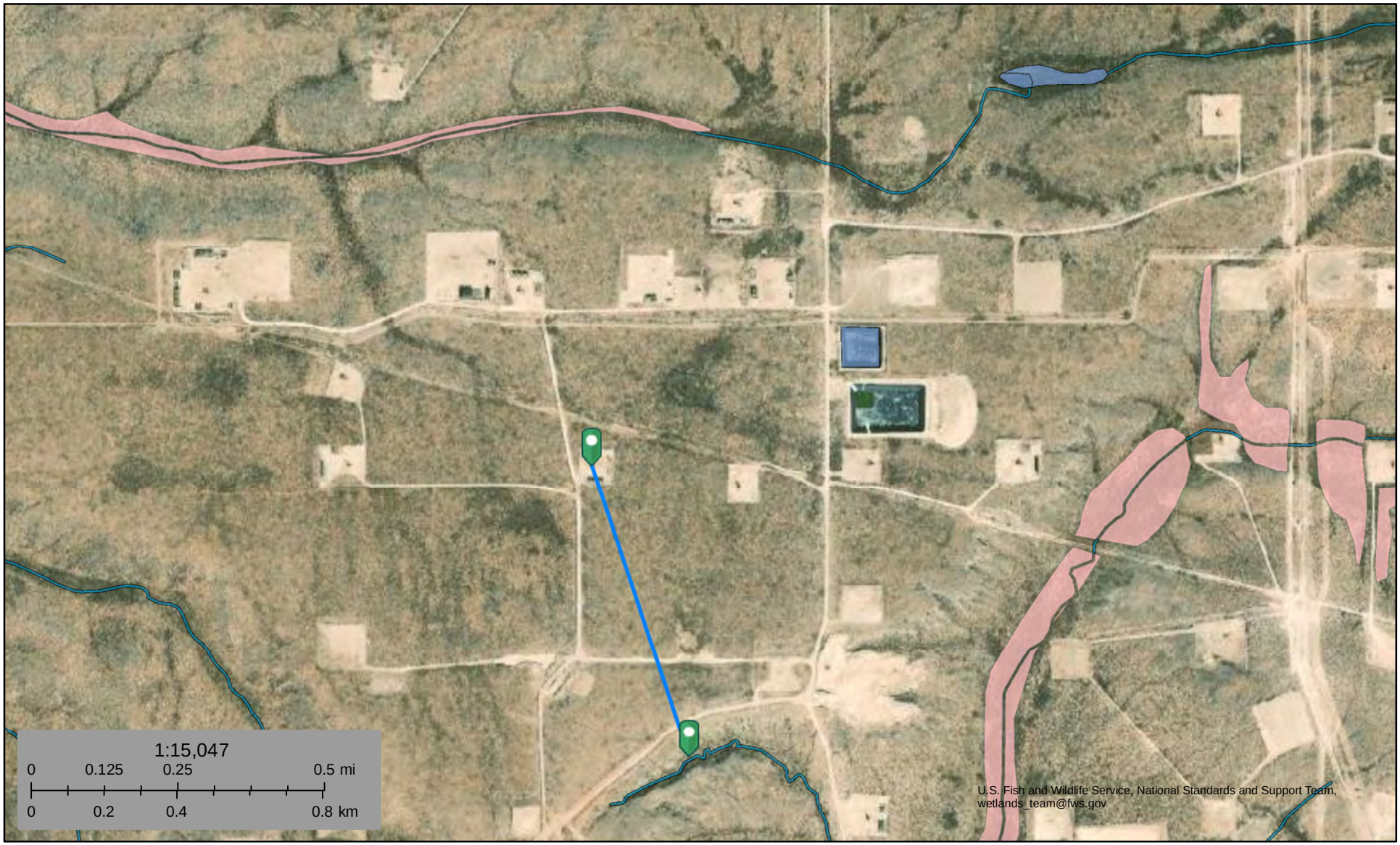
Well Completion

RDX 17 #002

Distance to Nearest Depth to Water = 0.36 Miles

U.S. Fish and Wildlife Service
National Wetlands Inventory

RDX 17 #002 - Riverine 0.44 Miles



November 15, 2022

Wetlands

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

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

U.S. Fish and Wildlife Service
National Wetlands Inventory

RDX 17 #002 - FW Pond 0.39 Miles

November 15, 2022

Wetlands

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

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

National Wetlands Inventory (NWI)
This page was produced by the NWI mapper

U.S. Fish and Wildlife Service
National Wetlands Inventory

RDX 17 #002 - Wetland 3.32 Miles

November 15, 2022

Wetlands

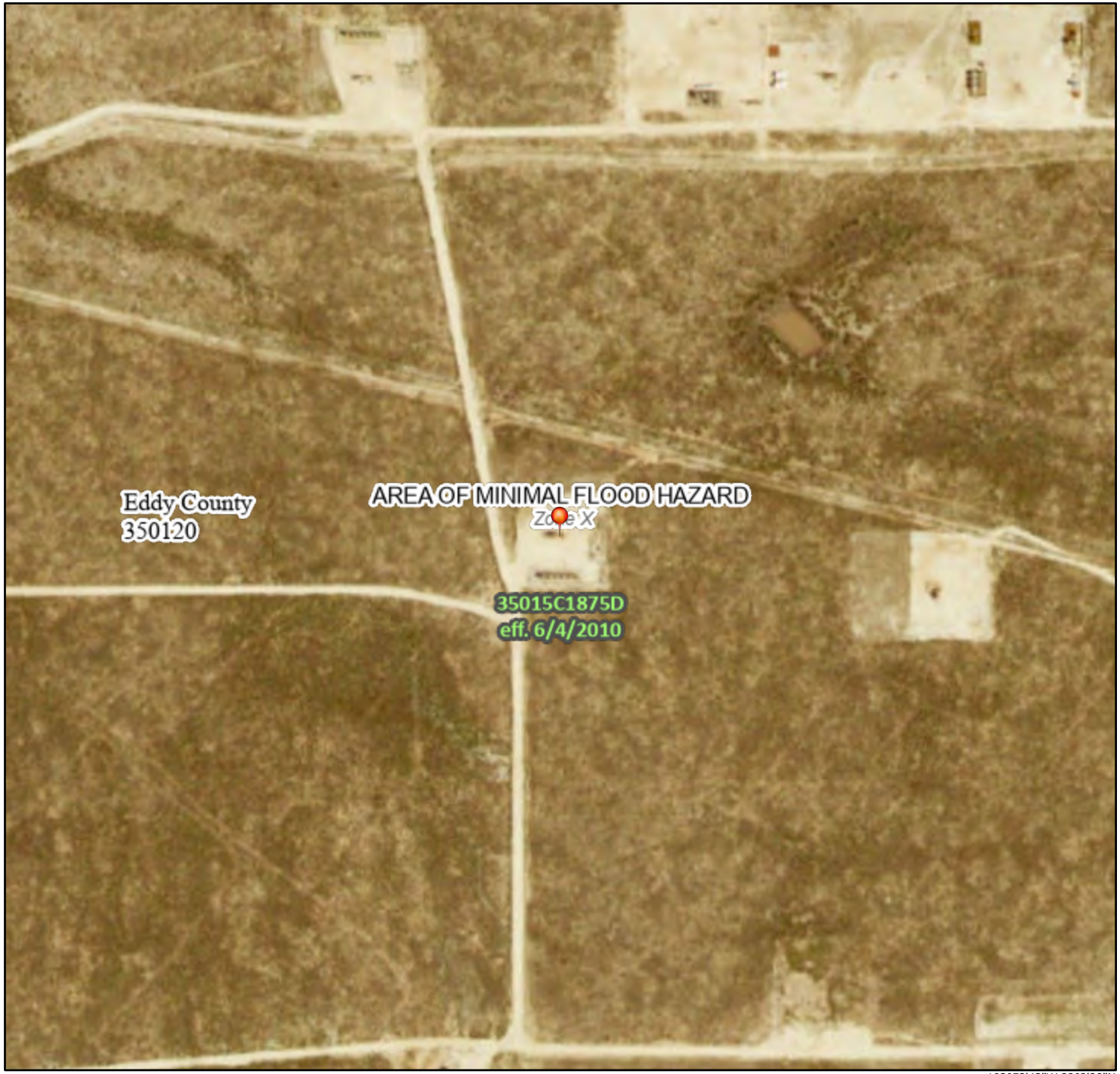
- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

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

National Flood Hazard Layer FIRMette

FEMA

103°54'21"W 32°2'58"N



103°53'43"W 32°2'28"N

0 250 500 1,000 1,500 2,000 Feet

1:6,000

Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020

Legend

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

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

OTHER AREAS
- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 Cross Sections with 1% Annual Chance
- 17.5 Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

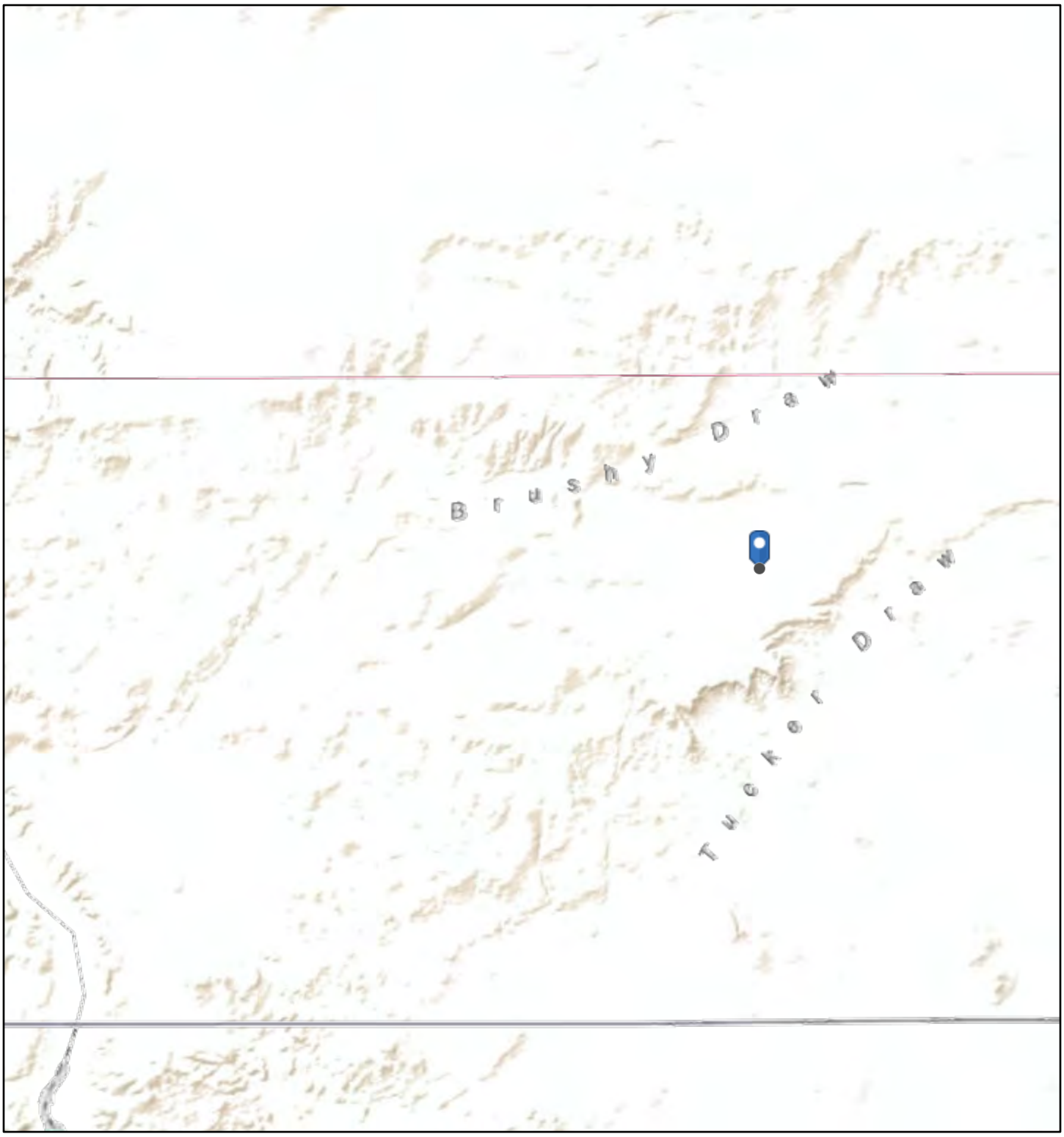
The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 11/15/2022 at 9:54 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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

Active Mines Near RDX 17 #002



11/15/2022, 8:02:53 AM

1:72,224

0 0.5 1 2 mi

0 0.75 1.5 3 km

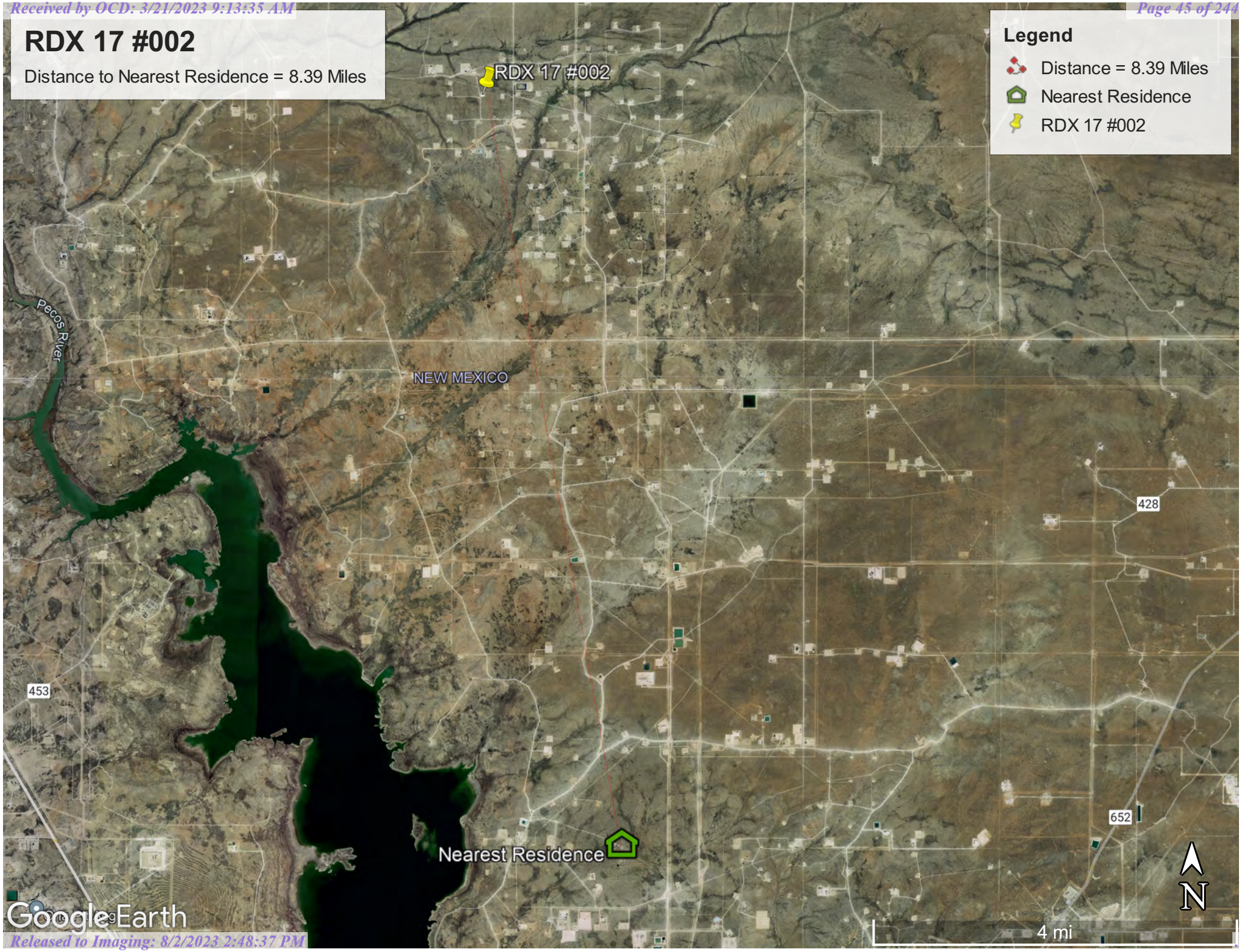
Sources: Esri, USGS, NOAA, Sources: Esri, Garmin, USGS, NPS

EMNRD MMD GIS Coordinator

New Energy, Minerals and Natural Resources Department (http://nm-emnrd.maps.arcgis.com/apps/webappviewer/index.html?id=1b5e577974664d689b47790897ca2795)

RDX 17 #002

Distance to Nearest Residence = 8.39 Miles

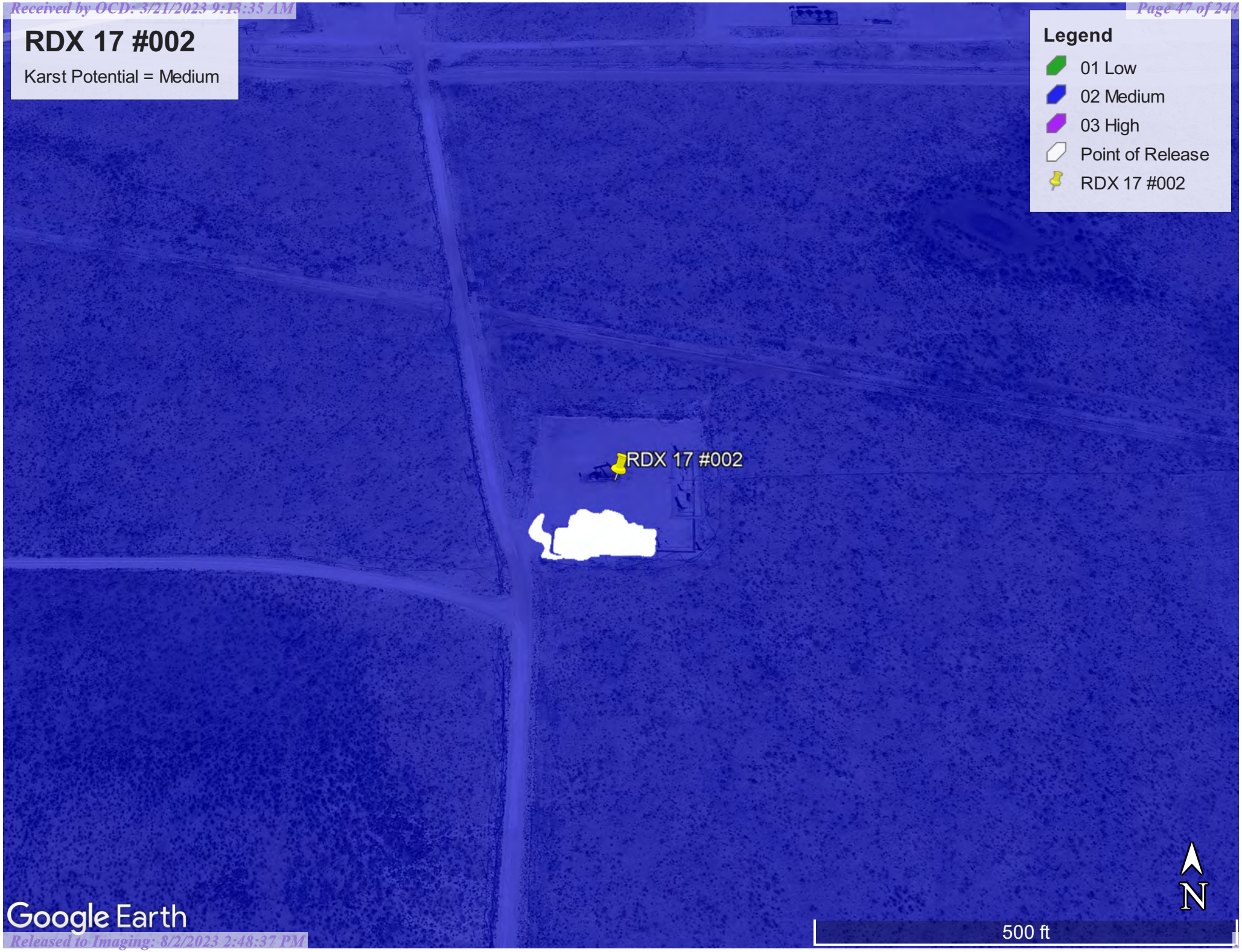


ATTACHMENT D

Karst Map

RDX 17 #002

Karst Potential = Medium



ATTACHMENT E

Envirotech Inc. Laboratory Analysis Reports

Report to:

Ashley Giovengo

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name: RDX 17 #002

Work Order: E211081

Job Number: 01058-0007

Received: 11/15/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/20/22

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

Date Reported: 11/20/22

Ashley Giovengo
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: RDX 17 #002
Workorder: E211081
Date Received: 11/15/2022 3:58:00PM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/15/2022 3:58:00PM, under the Project Name: RDX 17 #002.

The analytical test results summarized in this report with the Project Name: RDX 17 #002 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

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

Field Offices:

Southern New Mexico Area
Lynn Jarboe
Technical Representative/Client Services
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Table of Contents (continued)

Sample Summary

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	11/20/22 13:49

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS01-2'	E211081-01A	Soil	11/10/22	11/15/22	Glass Jar, 2 oz.
SS01-4'	E211081-02A	Soil	11/10/22	11/15/22	Glass Jar, 2 oz.
SS01-6'	E211081-03A	Soil	11/11/22	11/15/22	Glass Jar, 2 oz.
SS01-8'	E211081-04A	Soil	11/11/22	11/15/22	Glass Jar, 2 oz.
SS01-10'	E211081-05A	Soil	11/11/22	11/15/22	Glass Jar, 2 oz.
SS02-2'	E211081-06A	Soil	11/10/22	11/15/22	Glass Jar, 2 oz.
SS02-4'	E211081-07A	Soil	11/10/22	11/15/22	Glass Jar, 2 oz.
SS02-6'	E211081-08A	Soil	11/11/22	11/15/22	Glass Jar, 2 oz.
SS02-8'	E211081-09A	Soil	11/11/22	11/15/22	Glass Jar, 2 oz.
SS02-10'	E211081-10A	Soil	11/11/22	11/15/22	Glass Jar, 2 oz.
SS03-2'	E211081-11A	Soil	11/11/22	11/15/22	Glass Jar, 2 oz.
SS04B-0'	E211081-12A	Soil	11/11/22	11/15/22	Glass Jar, 2 oz.
SS05A-0'	E211081-13A	Soil	11/11/22	11/15/22	Glass Jar, 2 oz.
SS06A-0'	E211081-14A	Soil	11/11/22	11/15/22	Glass Jar, 2 oz.
SS07-0'	E211081-15A	Soil	11/11/22	11/15/22	Glass Jar, 2 oz.
SS08-1'	E211081-16A	Soil	11/11/22	11/15/22	Glass Jar, 2 oz.
BG01-0'	E211081-17A	Soil	11/11/22	11/15/22	Glass Jar, 2 oz.
BG01-1'	E211081-18A	Soil	11/11/22	11/15/22	Glass Jar, 2 oz.

Sample Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	11/20/2022 1:49:02PM

SS01-2'

E211081-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2247044
Benzene	ND	0.0500	2	11/16/22	11/17/22	
Ethylbenzene	ND	0.0500	2	11/16/22	11/17/22	
Toluene	ND	0.0500	2	11/16/22	11/17/22	
o-Xylene	ND	0.0500	2	11/16/22	11/17/22	
p,m-Xylene	ND	0.100	2	11/16/22	11/17/22	
Total Xylenes	ND	0.0500	2	11/16/22	11/17/22	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*	*70-130*	*11/16/22*	*11/17/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2247044
Gasoline Range Organics (C6-C10)	ND	40.0	2	11/16/22	11/17/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*83.3 %*	*70-130*	*11/16/22*	*11/17/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2247031
Diesel Range Organics (C10-C28)	**862**	250	10	11/16/22	11/18/22	
Oil Range Organics (C28-C36)	**1540**	500	10	11/16/22	11/18/22	
Surrogate: n-Nonane		*115 %*	*50-200*	*11/16/22*	*11/18/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2247039
Chloride	**104**	20.0	1	11/16/22	11/17/22	

Sample Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	11/20/2022 1:49:02PM

SS01-4'

E211081-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2247044
Benzene	ND	0.0250	1	11/16/22	11/17/22	
Ethylbenzene	ND	0.0250	1	11/16/22	11/17/22	
Toluene	ND	0.0250	1	11/16/22	11/17/22	
o-Xylene	ND	0.0250	1	11/16/22	11/17/22	
p,m-Xylene	ND	0.0500	1	11/16/22	11/17/22	
Total Xylenes	ND	0.0250	1	11/16/22	11/17/22	
Surrogate: 4-Bromochlorobenzene-PID		*107 %*	*70-130*	*11/16/22*	*11/17/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2247044
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/16/22	11/17/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*83.8 %*	*70-130*	*11/16/22*	*11/17/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2247031
Diesel Range Organics (C10-C28)	ND	25.0	1	11/16/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/16/22	11/18/22	
Surrogate: n-Nonane		*104 %*	*50-200*	*11/16/22*	*11/18/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2247039
Chloride	**644**	20.0	1	11/16/22	11/17/22	

Sample Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	11/20/2022 1:49:02PM

SS01-6'

E211081-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2247044
Benzene	ND	0.0250	1	11/16/22	11/17/22	
Ethylbenzene	ND	0.0250	1	11/16/22	11/17/22	
Toluene	ND	0.0250	1	11/16/22	11/17/22	
o-Xylene	ND	0.0250	1	11/16/22	11/17/22	
p,m-Xylene	ND	0.0500	1	11/16/22	11/17/22	
Total Xylenes	ND	0.0250	1	11/16/22	11/17/22	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*11/16/22*	*11/17/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2247044
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/16/22	11/17/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*82.8 %*	*70-130*	*11/16/22*	*11/17/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2247031
Diesel Range Organics (C10-C28)	**103**	25.0	1	11/16/22	11/18/22	
Oil Range Organics (C28-C36)	**139**	50.0	1	11/16/22	11/18/22	
Surrogate: n-Nonane		*98.4 %*	*50-200*	*11/16/22*	*11/18/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2247039
Chloride	**2250**	40.0	2	11/16/22	11/17/22	

Sample Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	11/20/2022 1:49:02PM

SS01-8'

E211081-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2247044
Benzene	ND	0.0250	1	11/16/22	11/17/22	
Ethylbenzene	ND	0.0250	1	11/16/22	11/17/22	
Toluene	ND	0.0250	1	11/16/22	11/17/22	
o-Xylene	ND	0.0250	1	11/16/22	11/17/22	
p,m-Xylene	ND	0.0500	1	11/16/22	11/17/22	
Total Xylenes	ND	0.0250	1	11/16/22	11/17/22	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*11/16/22*	*11/17/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2247044
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/16/22	11/17/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*82.9 %*	*70-130*	*11/16/22*	*11/17/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2247031
Diesel Range Organics (C10-C28)	**517**	25.0	1	11/16/22	11/18/22	
Oil Range Organics (C28-C36)	**600**	50.0	1	11/16/22	11/18/22	
Surrogate: n-Nonane		*110 %*	*50-200*	*11/16/22*	*11/18/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2247039
Chloride	**4730**	100	5	11/16/22	11/17/22	

Sample Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	11/20/2022 1:49:02PM

SS01-10'

E211081-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2247044
Benzene	ND	0.0250	1	11/16/22	11/17/22	
Ethylbenzene	ND	0.0250	1	11/16/22	11/17/22	
Toluene	ND	0.0250	1	11/16/22	11/17/22	
o-Xylene	ND	0.0250	1	11/16/22	11/17/22	
p,m-Xylene	ND	0.0500	1	11/16/22	11/17/22	
Total Xylenes	ND	0.0250	1	11/16/22	11/17/22	
Surrogate: 4-Bromochlorobenzene-PID		*106 %*	*70-130*	*11/16/22*	*11/17/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2247044
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/16/22	11/17/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*83.4 %*	*70-130*	*11/16/22*	*11/17/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2247031
Diesel Range Organics (C10-C28)	**88.5**	25.0	1	11/16/22	11/18/22	
Oil Range Organics (C28-C36)	**86.9**	50.0	1	11/16/22	11/18/22	
Surrogate: n-Nonane		*107 %*	*50-200*	*11/16/22*	*11/18/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2247039
Chloride	**1640**	40.0	2	11/16/22	11/17/22	

Sample Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	11/20/2022 1:49:02PM

SS02-2'

E211081-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2247044
Benzene	ND	0.0500	2	11/16/22	11/17/22	
Ethylbenzene	ND	0.0500	2	11/16/22	11/17/22	
Toluene	ND	0.0500	2	11/16/22	11/17/22	
o-Xylene	ND	0.0500	2	11/16/22	11/17/22	
p,m-Xylene	ND	0.100	2	11/16/22	11/17/22	
Total Xylenes	ND	0.0500	2	11/16/22	11/17/22	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*11/16/22*	*11/17/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2247044
Gasoline Range Organics (C6-C10)	ND	40.0	2	11/16/22	11/17/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*80.1 %*	*70-130*	*11/16/22*	*11/17/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2247031
Diesel Range Organics (C10-C28)	**556**	25.0	1	11/16/22	11/18/22	
Oil Range Organics (C28-C36)	**1080**	50.0	1	11/16/22	11/18/22	
Surrogate: n-Nonane		*64.0 %*	*50-200*	*11/16/22*	*11/18/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2247039
Chloride	**9650**	400	20	11/16/22	11/17/22	

Sample Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	11/20/2022 1:49:02PM

SS02-4'

E211081-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2247044
Benzene	ND	0.0250	1	11/16/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/16/22	11/18/22	
Toluene	ND	0.0250	1	11/16/22	11/18/22	
o-Xylene	ND	0.0250	1	11/16/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/16/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/16/22	11/18/22	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*11/16/22*	*11/18/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2247044
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/16/22	11/18/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*81.3 %*	*70-130*	*11/16/22*	*11/18/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2247031
Diesel Range Organics (C10-C28)	ND	25.0	1	11/16/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/16/22	11/18/22	
Surrogate: n-Nonane		*105 %*	*50-200*	*11/16/22*	*11/18/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2247039
Chloride	**5820**	400	20	11/16/22	11/17/22	

Sample Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	11/20/2022 1:49:02PM

SS02-6'

E211081-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2247044
Benzene	ND	0.0250	1	11/16/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/16/22	11/18/22	
Toluene	ND	0.0250	1	11/16/22	11/18/22	
o-Xylene	ND	0.0250	1	11/16/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/16/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/16/22	11/18/22	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*11/16/22*	*11/18/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2247044
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/16/22	11/18/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*80.5 %*	*70-130*	*11/16/22*	*11/18/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2247031
Diesel Range Organics (C10-C28)	ND	25.0	1	11/16/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/16/22	11/18/22	
Surrogate: n-Nonane		*101 %*	*50-200*	*11/16/22*	*11/18/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2247039
Chloride	**1140**	40.0	2	11/16/22	11/17/22	

Sample Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	11/20/2022 1:49:02PM

SS02-8'

E211081-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2247044
Benzene	ND	0.0250	1	11/16/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/16/22	11/18/22	
Toluene	ND	0.0250	1	11/16/22	11/18/22	
o-Xylene	ND	0.0250	1	11/16/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/16/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/16/22	11/18/22	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*11/16/22*	*11/18/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2247044
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/16/22	11/18/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*85.3 %*	*70-130*	*11/16/22*	*11/18/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2247031
Diesel Range Organics (C10-C28)	ND	25.0	1	11/16/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/16/22	11/18/22	
Surrogate: n-Nonane		*108 %*	*50-200*	*11/16/22*	*11/18/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2247039
Chloride	**1290**	40.0	2	11/16/22	11/17/22	

Sample Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	11/20/2022 1:49:02PM

SS02-10'

E211081-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2247044
Benzene	ND	0.0250	1	11/16/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/16/22	11/18/22	
Toluene	ND	0.0250	1	11/16/22	11/18/22	
o-Xylene	ND	0.0250	1	11/16/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/16/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/16/22	11/18/22	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*11/16/22*	*11/18/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2247044
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/16/22	11/18/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*81.8 %*	*70-130*	*11/16/22*	*11/18/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2247031
Diesel Range Organics (C10-C28)	ND	25.0	1	11/16/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/16/22	11/18/22	
Surrogate: n-Nonane		*100 %*	*50-200*	*11/16/22*	*11/18/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2247039
Chloride	**4470**	40.0	2	11/16/22	11/17/22	

Sample Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	11/20/2022 1:49:02PM

SS03-2'

E211081-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2247044
Benzene	ND	0.0250	1	11/16/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/16/22	11/18/22	
Toluene	ND	0.0250	1	11/16/22	11/18/22	
o-Xylene	ND	0.0250	1	11/16/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/16/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/16/22	11/18/22	
Surrogate: 4-Bromochlorobenzene-PID		*99.6 %*	*70-130*	*11/16/22*	*11/18/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2247044
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/16/22	11/18/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*81.2 %*	*70-130*	*11/16/22*	*11/18/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2247031
Diesel Range Organics (C10-C28)	ND	25.0	1	11/16/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/16/22	11/18/22	
Surrogate: n-Nonane		*104 %*	*50-200*	*11/16/22*	*11/18/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2247039
Chloride	ND	200	10	11/16/22	11/17/22	

Sample Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	11/20/2022 1:49:02PM

SS04B-0'

E211081-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2247044
Benzene	ND	0.0250	1	11/16/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/16/22	11/18/22	
Toluene	ND	0.0250	1	11/16/22	11/18/22	
o-Xylene	ND	0.0250	1	11/16/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/16/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/16/22	11/18/22	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*	*70-130*	*11/16/22*	*11/18/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2247044
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/16/22	11/18/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*82.4 %*	*70-130*	*11/16/22*	*11/18/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2247031
Diesel Range Organics (C10-C28)	ND	25.0	1	11/16/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/16/22	11/18/22	
Surrogate: n-Nonane		*106 %*	*50-200*	*11/16/22*	*11/18/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2247039
Chloride	**22.3**	20.0	1	11/16/22	11/17/22	

Sample Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	11/20/2022 1:49:02PM

SS05A-0'

E211081-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2247044
Benzene	ND	0.0250	1	11/16/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/16/22	11/18/22	
Toluene	ND	0.0250	1	11/16/22	11/18/22	
o-Xylene	ND	0.0250	1	11/16/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/16/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/16/22	11/18/22	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*	*70-130*	*11/16/22*	*11/18/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2247044
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/16/22	11/18/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*84.1 %*	*70-130*	*11/16/22*	*11/18/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2247031
Diesel Range Organics (C10-C28)	ND	25.0	1	11/16/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/16/22	11/18/22	
Surrogate: n-Nonane		*107 %*	*50-200*	*11/16/22*	*11/18/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2247039
Chloride	**280**	20.0	1	11/16/22	11/17/22	

Sample Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	11/20/2022 1:49:02PM

SS06A-0'

E211081-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2247044
Benzene	ND	0.0250	1	11/16/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/16/22	11/18/22	
Toluene	ND	0.0250	1	11/16/22	11/18/22	
o-Xylene	ND	0.0250	1	11/16/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/16/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/16/22	11/18/22	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*11/16/22*	*11/18/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2247044
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/16/22	11/18/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*80.6 %*	*70-130*	*11/16/22*	*11/18/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2247031
Diesel Range Organics (C10-C28)	ND	25.0	1	11/16/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/16/22	11/18/22	
Surrogate: n-Nonane		*112 %*	*50-200*	*11/16/22*	*11/18/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2247039
Chloride	**828**	20.0	1	11/16/22	11/17/22	

Sample Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	11/20/2022 1:49:02PM

SS07-0'

E211081-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2247044
Benzene	ND	0.0250	1	11/16/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/16/22	11/18/22	
Toluene	ND	0.0250	1	11/16/22	11/18/22	
o-Xylene	ND	0.0250	1	11/16/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/16/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/16/22	11/18/22	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*11/16/22*	*11/18/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2247044
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/16/22	11/18/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*83.4 %*	*70-130*	*11/16/22*	*11/18/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2247031
Diesel Range Organics (C10-C28)	ND	25.0	1	11/16/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/16/22	11/18/22	
Surrogate: n-Nonane		*111 %*	*50-200*	*11/16/22*	*11/18/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2247039
Chloride	**588**	40.0	2	11/16/22	11/17/22	

Sample Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	11/20/2022 1:49:02PM

SS08-1'

E211081-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2247044
Benzene	ND	0.0250	1	11/16/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/16/22	11/18/22	
Toluene	ND	0.0250	1	11/16/22	11/18/22	
o-Xylene	ND	0.0250	1	11/16/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/16/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/16/22	11/18/22	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*11/16/22*	*11/18/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2247044
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/16/22	11/18/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*83.0 %*	*70-130*	*11/16/22*	*11/18/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2247031
Diesel Range Organics (C10-C28)	ND	25.0	1	11/16/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/16/22	11/18/22	
Surrogate: n-Nonane		*112 %*	*50-200*	*11/16/22*	*11/18/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2247039
Chloride	**87.1**	20.0	1	11/16/22	11/17/22	

Sample Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	11/20/2022 1:49:02PM

BG01-0'

E211081-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2247044
Benzene	ND	0.0250	1	11/16/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/16/22	11/18/22	
Toluene	ND	0.0250	1	11/16/22	11/18/22	
o-Xylene	ND	0.0250	1	11/16/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/16/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/16/22	11/18/22	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*11/16/22*	*11/18/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2247044
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/16/22	11/18/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*84.0 %*	*70-130*	*11/16/22*	*11/18/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2247031
Diesel Range Organics (C10-C28)	ND	25.0	1	11/16/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/16/22	11/18/22	
Surrogate: n-Nonane		*111 %*	*50-200*	*11/16/22*	*11/18/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2247039
Chloride	ND	20.0	1	11/16/22	11/17/22	

Sample Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	11/20/2022 1:49:02PM

BG01-1'

E211081-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2247044
Benzene	ND	0.0250	1	11/16/22	11/18/22	
Ethylbenzene	ND	0.0250	1	11/16/22	11/18/22	
Toluene	ND	0.0250	1	11/16/22	11/18/22	
o-Xylene	ND	0.0250	1	11/16/22	11/18/22	
p,m-Xylene	ND	0.0500	1	11/16/22	11/18/22	
Total Xylenes	ND	0.0250	1	11/16/22	11/18/22	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*11/16/22*	*11/18/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2247044
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/16/22	11/18/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*81.4 %*	*70-130*	*11/16/22*	*11/18/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2247031
Diesel Range Organics (C10-C28)	ND	25.0	1	11/16/22	11/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	11/16/22	11/18/22	
Surrogate: n-Nonane		*112 %*	*50-200*	*11/16/22*	*11/18/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2247039
Chloride	ND	20.0	1	11/16/22	11/17/22	

QC Summary Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	11/20/2022 1:49:02PM

Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2247044-BLK1)									Prepared: 11/16/22 Analyzed: 11/17/22
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*8.11*		*8.00*		*101*	*70-130*			
LCS (2247044-BS1)									Prepared: 11/16/22 Analyzed: 11/17/22
Benzene	5.98	0.0250	5.00		120	70-130			
Ethylbenzene	4.63	0.0250	5.00		92.7	70-130			
Toluene	4.99	0.0250	5.00		99.8	70-130			
o-Xylene	4.70	0.0250	5.00		94.1	70-130			
p,m-Xylene	9.43	0.0500	10.0		94.3	70-130			
Total Xylenes	14.1	0.0250	15.0		94.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.05*		*8.00*		*101*	*70-130*			
Matrix Spike (2247044-MS1)				**Source: E211081-03**					Prepared: 11/16/22 Analyzed: 11/17/22
Benzene	6.37	0.0250	5.00	ND	127	54-133			
Ethylbenzene	4.94	0.0250	5.00	ND	98.9	61-133			
Toluene	5.32	0.0250	5.00	ND	106	61-130			
o-Xylene	5.01	0.0250	5.00	ND	100	63-131			
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131			
Total Xylenes	15.1	0.0250	15.0	ND	100	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.96*		*8.00*		*99.5*	*70-130*			
Matrix Spike Dup (2247044-MSD1)				**Source: E211081-03**					Prepared: 11/16/22 Analyzed: 11/17/22
Benzene	6.05	0.0250	5.00	ND	121	54-133	5.16	20	
Ethylbenzene	4.70	0.0250	5.00	ND	94.0	61-133	5.01	20	
Toluene	5.06	0.0250	5.00	ND	101	61-130	5.04	20	
o-Xylene	4.76	0.0250	5.00	ND	95.2	63-131	5.05	20	
p,m-Xylene	9.56	0.0500	10.0	ND	95.6	63-131	5.07	20	
Total Xylenes	14.3	0.0250	15.0	ND	95.5	63-131	5.06	20	
Surrogate: 4-Bromochlorobenzene-PID	*8.42*		*8.00*		*105*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	11/20/2022 1:49:02PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2247044-BLK1)									Prepared: 11/16/22 Analyzed: 11/17/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.93*		*8.00*		*86.7*	*70-130*			
LCS (2247044-BS2)									Prepared: 11/16/22 Analyzed: 11/17/22
Gasoline Range Organics (C6-C10)	50.6	20.0	50.0		101	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.72*		*8.00*		*84.0*	*70-130*			
Matrix Spike (2247044-MS2)				**Source: E211081-03**					Prepared: 11/16/22 Analyzed: 11/17/22
Gasoline Range Organics (C6-C10)	50.0	20.0	50.0	ND	100	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.90*		*8.00*		*86.2*	*70-130*			
Matrix Spike Dup (2247044-MSD2)				**Source: E211081-03**					Prepared: 11/16/22 Analyzed: 11/17/22
Gasoline Range Organics (C6-C10)	51.5	20.0	50.0	ND	103	70-130	2.92	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*6.86*		*8.00*		*85.8*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	11/20/2022 1:49:02PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2247031-BLK1)									Prepared: 11/16/22 Analyzed: 11/17/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*54.3*		*50.0*		*109*	*50-200*			
LCS (2247031-BS1)									Prepared: 11/16/22 Analyzed: 11/17/22
Diesel Range Organics (C10-C28)	257	25.0	250		103	38-132			
Surrogate: n-Nonane	*53.1*		*50.0*		*106*	*50-200*			
Matrix Spike (2247031-MS1)				**Source: E211081-04**					Prepared: 11/16/22 Analyzed: 11/18/22
Diesel Range Organics (C10-C28)	916	50.0	250	517	159	38-132			M2
Surrogate: n-Nonane	*45.6*		*50.0*		*91.2*	*50-200*			
Matrix Spike Dup (2247031-MSD1)				**Source: E211081-04**					Prepared: 11/16/22 Analyzed: 11/18/22
Diesel Range Organics (C10-C28)	784	50.0	250	517	107	38-132	15.5	20	
Surrogate: n-Nonane	*48.9*		*50.0*		*97.8*	*50-200*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	11/20/2022 1:49:02PM

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2247039-BLK1)									Prepared: 11/16/22 Analyzed: 11/17/22
Chloride	ND	20.0							
LCS (2247039-BS1)									Prepared: 11/16/22 Analyzed: 11/17/22
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2247039-MS1)				**Source: E211081-01**					Prepared: 11/16/22 Analyzed: 11/17/22
Chloride	360	20.0	250	104	102	80-120			
Matrix Spike Dup (2247039-MSD1)				**Source: E211081-01**					Prepared: 11/16/22 Analyzed: 11/17/22
Chloride	338	20.0	250	104	93.4	80-120	6.22	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:	RDX 17 #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	11/20/22 13:49

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

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

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

Project Information | Chain of Custody | Page 1 of 2

Client: Devon	
Project: RDX 17 #002	
Project Manager: Ashley Giovengo	
Address: 1224 Standpipe Rd	
City, State, Zip: Carlsbad, NM 88220	
Phone: 505-382-1211	
Email: ashley.giovengo@wescominc.com	
Report due by:	

Bill To

Attention: Jim Raley	
Address: 5315 Buena Vista Dr	
City, State, Zip: Calsbad, NM 88220	
Phone: 575-689-7597	
Email: jim.raley@dvn.com	

Lab Use Only

Lab WO#	Job Number
E211081	01058-0007

TAT

1D	2D	3D	Standard
			x

EPA Program

CWA	SDWA	RCRA

State

NM	CO	UT	AZ	TX	
x					

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM	BGDOC TX			Remarks
11:30	11/10/22	Soil	1 Jar	SS01 - 2'	1									X				
13:10	11/10/22	Soil	1 Jar	SS01 - 4'	2									X				
11:11	11/11/22	Soil	1 Jar	SS01 - 6'	3									X				
14:27	11/11/22	Soil	1 Jar	SS01 - 8'	4									X				
15:26	11/11/22	Soil	1 Jar	SS01 - 10'	5									X				
13:25	11/10/22	Soil	1 Jar	SS02 - 2'	6									X				
13:32	11/10/22	Soil	1 Jar	SS02 - 4'	7									X				
11:25	11/11/22	Soil	1 Jar	SS02 - 6'	8									X				
14:36	11/11/22	Soil	1 Jar	SS02 - 8'	9									X				
15:05	11/11/22	Soil	1 Jar	SS02 - 10'	10									X				

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

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	11-14-22	7:03pm		11.14.22	1903
	11.15.22	905		11/15/22	15:58

Lab Use Only

Received on ice: (Y) / N

T1 T2 T3

AVG Temp °C 4

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

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

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

envirotech

Project Information | Chain of Custody | Page 2 of 2

Client: Devon	
Project: RDX 17 #002	
Project Manager: Ashley Giovengo	
Address: 1224 Standpipe Rd	
City, State, Zip: Carlsbad, NM 88220	
Phone: 505-382-1211	
Email: ashley.giovengo@wescominc.com	
Report due by:	

Bill To

Attention: Jim Raley	
Address: 5315 Buena Vista Dr	
City, State, Zip: Calsbad, NM 88220	
Phone: 575-689-7597	
Email: jim.raley@dvn.com	

Lab Use Only

Lab WO#	Job Number
E211081	03058-0007

TAT

1D	2D	3D	Standard
			x

EPA Program

CWA	SDWA	RCRA

State

NM	CO	UT	AZ	TX	
x					

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM	BGDOC TX			Remarks
14:14	11/11/22	Soil	1 Jar	SS03 - 2'	11									X				
11:18	11/11/22	Soil	1 Jar	SS04B - 0'	12									X				
13:31	11/11/22	Soil	1 Jar	SS05A - 0'	13									X				
10:50	11/11/22	Soil	1 Jar	SS06A - 0'	14									X				
12:06	11/11/22	Soil	1 Jar	SS07 - 0'	15									X				
14:24	11/11/22	Soil	1 Jar	SS08 - 1'	16									X				
11:30	11/11/22	Soil	1 Jar	BG01 - 0'	17									X				
11:34	11/11/22	Soil	1 Jar	BG01 - 1'	18									X				

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

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	11-14-22	7:03pm	[signature]	11.14.22	1903
[signature]	11.15.22	905	[signature]	11/15/22	15:58

Lab Use Only
Received on ice: (Y) N
T1 T2 T3
AVG Temp °C 4

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

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

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

envirotech

Envirotech Analytical Laboratory

Printed: 11/15/2022 4:11:37PM

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:	11/15/22 15:58	Work Order ID:	E211081
Phone:	(505) 382-1211	Date Logged In:	11/15/22 16:06	Logged In By:	Alexa Michaels
Email:	ashley.giovengo@wescominc.com	Due Date:	11/21/22 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes
13. If no visible ice, record the temperature. Actual sample temperature: 4°C	

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

Report to:

Ashley Giovengo

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: RDX 17 #002

Work Order: E301105

Job Number: 01058-0007

Received: 1/20/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
1/24/23

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

Date Reported: 1/24/23

Ashley Giovengo
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: RDX 17 #002
Workorder: E301105
Date Received: 1/20/2023 7:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/20/2023 7:00:00AM, under the Project Name: RDX 17 #002.

The analytical test results summarized in this report with the Project Name: RDX 17 #002 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

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

Field Offices:

Southern New Mexico Area
Lynn Jarboe
Technical Representative/Client Services
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	01/24/23 09:07

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS01 - 12'	E301105-01A	Soil	01/17/23	01/20/23	Glass Jar, 2 oz.
SS01 - 14'	E301105-02A	Soil	01/18/23	01/20/23	Glass Jar, 2 oz.
SS02 - 12'	E301105-03A	Soil	01/17/23	01/20/23	Glass Jar, 2 oz.
SS02 - 14'	E301105-04A	Soil	01/18/23	01/20/23	Glass Jar, 2 oz.

Sample Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	1/24/2023 9:07:04AM

SS01 - 12'

E301105-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2303066
Benzene	ND	0.0250	1	01/20/23	01/20/23	
Ethylbenzene	ND	0.0250	1	01/20/23	01/20/23	
Toluene	ND	0.0250	1	01/20/23	01/20/23	
o-Xylene	ND	0.0250	1	01/20/23	01/20/23	
p,m-Xylene	ND	0.0500	1	01/20/23	01/20/23	
Total Xylenes	ND	0.0250	1	01/20/23	01/20/23	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*	*70-130*	*01/20/23*	*01/20/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2303066
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/20/23	01/20/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.8 %*	*70-130*	*01/20/23*	*01/20/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2303065
Diesel Range Organics (C10-C28)	**94.4**	25.0	1	01/20/23	01/23/23	
Oil Range Organics (C28-C36)	**80.2**	50.0	1	01/20/23	01/23/23	
Surrogate: n-Nonane		*86.6 %*	*50-200*	*01/20/23*	*01/23/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2303081
Chloride	**847**	40.0	2	01/20/23	01/21/23	

Sample Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	1/24/2023 9:07:04AM

SS01 - 14'

E301105-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2303066
Benzene	ND	0.0250	1	01/20/23	01/20/23	
Ethylbenzene	ND	0.0250	1	01/20/23	01/20/23	
Toluene	ND	0.0250	1	01/20/23	01/20/23	
o-Xylene	ND	0.0250	1	01/20/23	01/20/23	
p,m-Xylene	ND	0.0500	1	01/20/23	01/20/23	
Total Xylenes	ND	0.0250	1	01/20/23	01/20/23	
Surrogate: 4-Bromochlorobenzene-PID		*106 %*	*70-130*	*01/20/23*	*01/20/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2303066
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/20/23	01/20/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.7 %*	*70-130*	*01/20/23*	*01/20/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2303065
Diesel Range Organics (C10-C28)	ND	25.0	1	01/20/23	01/20/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/20/23	01/20/23	
Surrogate: n-Nonane		*84.6 %*	*50-200*	*01/20/23*	*01/20/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2303081
Chloride	**1080**	40.0	2	01/20/23	01/21/23	

Sample Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	1/24/2023 9:07:04AM

SS02 - 12'

E301105-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2303066
Benzene	ND	0.0250	1	01/20/23	01/20/23	
Ethylbenzene	ND	0.0250	1	01/20/23	01/20/23	
Toluene	ND	0.0250	1	01/20/23	01/20/23	
o-Xylene	ND	0.0250	1	01/20/23	01/20/23	
p,m-Xylene	ND	0.0500	1	01/20/23	01/20/23	
Total Xylenes	ND	0.0250	1	01/20/23	01/20/23	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*	*70-130*	*01/20/23*	*01/20/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2303066
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/20/23	01/20/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.9 %*	*70-130*	*01/20/23*	*01/20/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2303065
Diesel Range Organics (C10-C28)	ND	25.0	1	01/20/23	01/20/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/20/23	01/20/23	
Surrogate: n-Nonane		*84.4 %*	*50-200*	*01/20/23*	*01/20/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2303081
Chloride	**4630**	400	20	01/20/23	01/21/23	

Sample Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	1/24/2023 9:07:04AM

SS02 - 14'

E301105-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2303066
Benzene	ND	0.0250	1	01/20/23	01/20/23	
Ethylbenzene	ND	0.0250	1	01/20/23	01/20/23	
Toluene	ND	0.0250	1	01/20/23	01/20/23	
o-Xylene	ND	0.0250	1	01/20/23	01/20/23	
p,m-Xylene	ND	0.0500	1	01/20/23	01/20/23	
Total Xylenes	ND	0.0250	1	01/20/23	01/20/23	
Surrogate: 4-Bromochlorobenzene-PID		*106 %*	*70-130*	*01/20/23*	*01/20/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2303066
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/20/23	01/20/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.4 %*	*70-130*	*01/20/23*	*01/20/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2303065
Diesel Range Organics (C10-C28)	**649**	125	5	01/20/23	01/20/23	
Oil Range Organics (C28-C36)	**465**	250	5	01/20/23	01/20/23	
Surrogate: n-Nonane		*91.2 %*	*50-200*	*01/20/23*	*01/20/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2303081
Chloride	**6310**	200	10	01/20/23	01/21/23	

QC Summary Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	1/24/2023 9:07:04AM

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2303066-BLK1)									Prepared: 01/20/23 Analyzed: 01/20/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*8.22*		*8.00*		*103*	*70-130*			
LCS (2303066-BS1)									Prepared: 01/20/23 Analyzed: 01/20/23
Benzene	5.20	0.0250	5.00		104	70-130			
Ethylbenzene	5.59	0.0250	5.00		112	70-130			
Toluene	5.62	0.0250	5.00		112	70-130			
o-Xylene	5.74	0.0250	5.00		115	70-130			
p,m-Xylene	11.3	0.0500	10.0		113	70-130			
Total Xylenes	17.1	0.0250	15.0		114	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.20*		*8.00*		*102*	*70-130*			
LCS Dup (2303066-BSD1)									Prepared: 01/20/23 Analyzed: 01/20/23
Benzene	4.92	0.0250	5.00		98.4	70-130	5.44	20	
Ethylbenzene	5.29	0.0250	5.00		106	70-130	5.58	20	
Toluene	5.33	0.0250	5.00		107	70-130	5.43	20	
o-Xylene	5.43	0.0250	5.00		109	70-130	5.55	20	
p,m-Xylene	10.7	0.0500	10.0		107	70-130	5.54	20	
Total Xylenes	16.2	0.0250	15.0		108	70-130	5.54	20	
Surrogate: 4-Bromochlorobenzene-PID	*8.22*		*8.00*		*103*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	1/24/2023 9:07:04AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2303066-BLK1)									Prepared: 01/20/23 Analyzed: 01/20/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.95*		*8.00*		*99.4*	*70-130*			
LCS (2303066-BS2)									Prepared: 01/20/23 Analyzed: 01/20/23
Gasoline Range Organics (C6-C10)	51.6	20.0	50.0		103	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.95*		*8.00*		*99.4*	*70-130*			
LCS Dup (2303066-BSD2)									Prepared: 01/20/23 Analyzed: 01/20/23
Gasoline Range Organics (C6-C10)	57.8	20.0	50.0		116	70-130	11.3	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.03*		*8.00*		*100*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	1/24/2023 9:07:04AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2303065-BLK1)									Prepared: 01/20/23 Analyzed: 01/20/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*54.2*		*50.0*		*108*	*50-200*			
LCS (2303065-BS1)									Prepared: 01/20/23 Analyzed: 01/20/23
Diesel Range Organics (C10-C28)	251	25.0	250		101	38-132			
Surrogate: n-Nonane	*48.3*		*50.0*		*96.5*	*50-200*			
Matrix Spike (2303065-MS1)				**Source: E301105-02**					Prepared: 01/20/23 Analyzed: 01/20/23
Diesel Range Organics (C10-C28)	273	25.0	250	ND	109	38-132			
Surrogate: n-Nonane	*40.2*		*50.0*		*80.5*	*50-200*			
Matrix Spike Dup (2303065-MSD1)				**Source: E301105-02**					Prepared: 01/20/23 Analyzed: 01/20/23
Diesel Range Organics (C10-C28)	263	25.0	250	ND	105	38-132	3.70	20	
Surrogate: n-Nonane	*33.5*		*50.0*		*67.0*	*50-200*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	1/24/2023 9:07:04AM

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2303081-BLK1)									Prepared: 01/20/23 Analyzed: 01/21/23
Chloride	ND	20.0							
LCS (2303081-BS1)									Prepared: 01/20/23 Analyzed: 01/21/23
Chloride	249	20.0	250		99.7	90-110			
Matrix Spike (2303081-MS1)				**Source: E301104-01**					Prepared: 01/20/23 Analyzed: 01/21/23
Chloride	5380	400	250	5740	NR	80-120			M4
Matrix Spike Dup (2303081-MSD1)				**Source: E301104-01**					Prepared: 01/20/23 Analyzed: 01/21/23
Chloride	5730	400	250	5740	NR	80-120	6.39	20	M4

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

Definitions and Notes

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	01/24/23 09:07

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

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

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

Project Information | Chain of Custody | Page 1 of 1

Client: Devon	
Project: RDX 17 #002	
Project Manager: Ashley Giovengo	
Address: 1224 Standpipe Rd	
City, State, Zip: Carlsbad, NM 88220	
Phone: 505-382-1211	
Email: ashley.giovengo@wescominc.com	
Report due by:	

Bill To

Attention: Jim Raley	
Address: 5315 Buena Vista Dr	
City, State, Zip: Calsbad, NM 88220	
Phone: 575-689-7597	
Email: jim.raley@dvn.com	

Lab Use Only

Lab WO#	Job Number
E301105	01058-0007

TAT

1D	2D	3D	Standard
			x

EPA Program

CWA	SDWA	RCRA

State

NM	CO	UT	AZ	TX	
x					

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM	BGDOC TX			Remarks
11:43	1/17/23	Soil	1 Jar	SS01 - 12'	1									X				
10:01	1/18/23	Soil	1 Jar	SS01 - 14'	2									X				
10:15	1/17/23	Soil	1 Jar	SS02 - 12'	3									X				
9:45	1/18/23	Soil	1 Jar	SS02 - 14'	4									X				

Analysis and Method

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

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Yolanda Arrera	1.19.2023	12:30 PM	Michelle Reyes	1-19-23	1230
Michelle Reyes	1-19-23	1715	Lorenzo Lei	1-19-23	1730
Lorenzo Lei	1-19-23	2302	Cartha Chitwood	1/20/23	7:00

Lab Use Only
Received on ice: (Y) N
T1 T2 T3
AVG Temp °C 4

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

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

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

envirotech

Envirotech Analytical Laboratory

Printed: 1/20/2023 8:45:02AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Devon Energy - Carlsbad	Date Received:	01/20/23 07:00	Work Order ID:	E301105
Phone:	(505) 382-1211	Date Logged In:	01/19/23 15:34	Logged In By:	Caitlin Christian
Email:	ashley.giovengo@wescominc.com	Due Date:	01/26/23 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

Report to:

Ashley Giovengo

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:	RDX 17 #002
Work Order:	E301116
Job Number:	01058-0007
Received:	1/23/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
1/26/23

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

Date Reported: 1/26/23

Ashley Giovengo
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: RDX 17 #002
Workorder: E301116
Date Received: 1/23/2023 7:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/23/2023 7:30:00AM, under the Project Name: RDX 17 #002.

The analytical test results summarized in this report with the Project Name: RDX 17 #002 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

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

Field Offices:

Southern New Mexico Area
Lynn Jarboe
Technical Representative/Client Services
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	01/26/23 12:31

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CONF01 - 4'	E301116-01A	Soil	01/19/23	01/23/23	Glass Jar, 2 oz.
CONF02 - 4'	E301116-02A	Soil	01/19/23	01/23/23	Glass Jar, 2 oz.
CONF03 - 4'	E301116-03A	Soil	01/19/23	01/23/23	Glass Jar, 2 oz.
CONF04 - 4'	E301116-04A	Soil	01/19/23	01/23/23	Glass Jar, 2 oz.
CONF05 - 4'	E301116-05A	Soil	01/19/23	01/23/23	Glass Jar, 2 oz.
CONF06 - 4'	E301116-06A	Soil	01/19/23	01/23/23	Glass Jar, 2 oz.
CONF07 - 4'	E301116-07A	Soil	01/19/23	01/23/23	Glass Jar, 2 oz.
CONF08 - 4'	E301116-08A	Soil	01/19/23	01/23/23	Glass Jar, 2 oz.
CONF09 - 4'	E301116-09A	Soil	01/19/23	01/23/23	Glass Jar, 2 oz.
CONF10 - 4'	E301116-10A	Soil	01/19/23	01/23/23	Glass Jar, 2 oz.

Sample Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	1/26/2023 12:31:37PM

CONF01 - 4'

E301116-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2304004
Benzene	ND	0.0250	1	01/23/23	01/23/23	
Ethylbenzene	ND	0.0250	1	01/23/23	01/23/23	
Toluene	ND	0.0250	1	01/23/23	01/23/23	
o-Xylene	ND	0.0250	1	01/23/23	01/23/23	
p,m-Xylene	ND	0.0500	1	01/23/23	01/23/23	
Total Xylenes	ND	0.0250	1	01/23/23	01/23/23	
Surrogate: 4-Bromochlorobenzene-PID		*105 %*	*70-130*	*01/23/23*	*01/23/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2304004
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/23	01/23/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.7 %*	*70-130*	*01/23/23*	*01/23/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2304003
Diesel Range Organics (C10-C28)	ND	25.0	1	01/23/23	01/23/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/23/23	01/23/23	
Surrogate: n-Nonane		*93.0 %*	*50-200*	*01/23/23*	*01/23/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2304005
Chloride	**135**	100	5	01/23/23	01/24/23	

Sample Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	1/26/2023 12:31:37PM

CONF02 - 4'

E301116-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2304004
Benzene	ND	0.0250	1	01/23/23	01/23/23	
Ethylbenzene	ND	0.0250	1	01/23/23	01/23/23	
Toluene	ND	0.0250	1	01/23/23	01/23/23	
o-Xylene	ND	0.0250	1	01/23/23	01/23/23	
p,m-Xylene	ND	0.0500	1	01/23/23	01/23/23	
Total Xylenes	ND	0.0250	1	01/23/23	01/23/23	
Surrogate: 4-Bromochlorobenzene-PID		*106 %*	*70-130*	*01/23/23*	*01/23/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2304004
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/23	01/23/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.7 %*	*70-130*	*01/23/23*	*01/23/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2304003
Diesel Range Organics (C10-C28)	ND	25.0	1	01/23/23	01/23/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/23/23	01/23/23	
Surrogate: n-Nonane		*91.6 %*	*50-200*	*01/23/23*	*01/23/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2304005
Chloride	ND	100	5	01/23/23	01/24/23	

Sample Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	1/26/2023 12:31:37PM

CONF03 - 4'

E301116-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2304004
Benzene	ND	0.0250	1	01/23/23	01/23/23	
Ethylbenzene	ND	0.0250	1	01/23/23	01/23/23	
Toluene	ND	0.0250	1	01/23/23	01/23/23	
o-Xylene	ND	0.0250	1	01/23/23	01/23/23	
p,m-Xylene	ND	0.0500	1	01/23/23	01/23/23	
Total Xylenes	ND	0.0250	1	01/23/23	01/23/23	
Surrogate: 4-Bromochlorobenzene-PID		*106 %*	*70-130*	*01/23/23*	*01/23/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2304004
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/23	01/23/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.9 %*	*70-130*	*01/23/23*	*01/23/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2304003
Diesel Range Organics (C10-C28)	ND	25.0	1	01/23/23	01/24/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/23/23	01/24/23	
Surrogate: n-Nonane		*97.8 %*	*50-200*	*01/23/23*	*01/24/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2304005
Chloride	ND	100	5	01/23/23	01/24/23	

Sample Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	1/26/2023 12:31:37PM

CONF04 - 4'

E301116-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2304004
Benzene	ND	0.0250	1	01/23/23	01/23/23	
Ethylbenzene	ND	0.0250	1	01/23/23	01/23/23	
Toluene	ND	0.0250	1	01/23/23	01/23/23	
o-Xylene	ND	0.0250	1	01/23/23	01/23/23	
p,m-Xylene	ND	0.0500	1	01/23/23	01/23/23	
Total Xylenes	ND	0.0250	1	01/23/23	01/23/23	
Surrogate: 4-Bromochlorobenzene-PID		*106 %*	*70-130*	*01/23/23*	*01/23/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2304004
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/23	01/23/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.3 %*	*70-130*	*01/23/23*	*01/23/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2304003
Diesel Range Organics (C10-C28)	**65.7**	25.0	1	01/23/23	01/24/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/23/23	01/24/23	
Surrogate: n-Nonane		*86.0 %*	*50-200*	*01/23/23*	*01/24/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2304005
Chloride	**130**	100	5	01/23/23	01/24/23	

Sample Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	1/26/2023 12:31:37PM

CONF05 - 4'

E301116-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2304004
Benzene	ND	0.0250	1	01/23/23	01/23/23	
Ethylbenzene	ND	0.0250	1	01/23/23	01/23/23	
Toluene	ND	0.0250	1	01/23/23	01/23/23	
o-Xylene	ND	0.0250	1	01/23/23	01/23/23	
p,m-Xylene	ND	0.0500	1	01/23/23	01/23/23	
Total Xylenes	ND	0.0250	1	01/23/23	01/23/23	
Surrogate: 4-Bromochlorobenzene-PID		*106 %*	*70-130*	*01/23/23*	*01/23/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2304004
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/23	01/23/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.8 %*	*70-130*	*01/23/23*	*01/23/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2304003
Diesel Range Organics (C10-C28)	ND	25.0	1	01/23/23	01/24/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/23/23	01/24/23	
Surrogate: n-Nonane		*95.3 %*	*50-200*	*01/23/23*	*01/24/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2304005
Chloride	**150**	20.0	1	01/23/23	01/23/23	

Sample Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	1/26/2023 12:31:37PM

CONF06 - 4'

E301116-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2304004
Benzene	ND	0.0250	1	01/23/23	01/23/23	
Ethylbenzene	ND	0.0250	1	01/23/23	01/23/23	
Toluene	ND	0.0250	1	01/23/23	01/23/23	
o-Xylene	ND	0.0250	1	01/23/23	01/23/23	
p,m-Xylene	ND	0.0500	1	01/23/23	01/23/23	
Total Xylenes	ND	0.0250	1	01/23/23	01/23/23	
Surrogate: 4-Bromochlorobenzene-PID		*106 %*	*70-130*	*01/23/23*	*01/23/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2304004
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/23	01/23/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.2 %*	*70-130*	*01/23/23*	*01/23/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2304003
Diesel Range Organics (C10-C28)	ND	25.0	1	01/23/23	01/25/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/23/23	01/25/23	
Surrogate: n-Nonane		*92.7 %*	*50-200*	*01/23/23*	*01/25/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2304005
Chloride	**778**	200	10	01/23/23	01/23/23	

Sample Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	1/26/2023 12:31:37PM

CONF07 - 4'

E301116-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2304004
Benzene	ND	0.0250	1	01/23/23	01/24/23	
Ethylbenzene	ND	0.0250	1	01/23/23	01/24/23	
Toluene	ND	0.0250	1	01/23/23	01/24/23	
o-Xylene	ND	0.0250	1	01/23/23	01/24/23	
p,m-Xylene	ND	0.0500	1	01/23/23	01/24/23	
Total Xylenes	ND	0.0250	1	01/23/23	01/24/23	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*01/23/23*	*01/24/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2304004
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/23	01/24/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*101 %*	*70-130*	*01/23/23*	*01/24/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2304003
Diesel Range Organics (C10-C28)	ND	25.0	1	01/23/23	01/24/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/23/23	01/24/23	
Surrogate: n-Nonane		*101 %*	*50-200*	*01/23/23*	*01/24/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2304005
Chloride	**41.3**	20.0	1	01/23/23	01/23/23	

Sample Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	1/26/2023 12:31:37PM

CONF08 - 4'

E301116-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2304004
Benzene	ND	0.0250	1	01/23/23	01/24/23	
Ethylbenzene	ND	0.0250	1	01/23/23	01/24/23	
Toluene	ND	0.0250	1	01/23/23	01/24/23	
o-Xylene	ND	0.0250	1	01/23/23	01/24/23	
p,m-Xylene	ND	0.0500	1	01/23/23	01/24/23	
Total Xylenes	ND	0.0250	1	01/23/23	01/24/23	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*01/23/23*	*01/24/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2304004
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/23	01/24/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*99.3 %*	*70-130*	*01/23/23*	*01/24/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2304003
Diesel Range Organics (C10-C28)	ND	25.0	1	01/23/23	01/24/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/23/23	01/24/23	
Surrogate: n-Nonane		*93.8 %*	*50-200*	*01/23/23*	*01/24/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2304005
Chloride	**105**	20.0	1	01/23/23	01/23/23	

Sample Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	1/26/2023 12:31:37PM

CONF09 - 4'

E301116-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2304004
Benzene	ND	0.0250	1	01/23/23	01/24/23	
Ethylbenzene	ND	0.0250	1	01/23/23	01/24/23	
Toluene	ND	0.0250	1	01/23/23	01/24/23	
o-Xylene	ND	0.0250	1	01/23/23	01/24/23	
p,m-Xylene	ND	0.0500	1	01/23/23	01/24/23	
Total Xylenes	ND	0.0250	1	01/23/23	01/24/23	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*01/23/23*	*01/24/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2304004
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/23	01/24/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*99.0 %*	*70-130*	*01/23/23*	*01/24/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2304003
Diesel Range Organics (C10-C28)	ND	25.0	1	01/23/23	01/24/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/23/23	01/24/23	
Surrogate: n-Nonane		*98.5 %*	*50-200*	*01/23/23*	*01/24/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2304005
Chloride	**209**	200	10	01/23/23	01/23/23	

Sample Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	1/26/2023 12:31:37PM

CONF10 - 4'

E301116-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2304004
Benzene	ND	0.0250	1	01/23/23	01/24/23	
Ethylbenzene	ND	0.0250	1	01/23/23	01/24/23	
Toluene	ND	0.0250	1	01/23/23	01/24/23	
o-Xylene	ND	0.0250	1	01/23/23	01/24/23	
p,m-Xylene	ND	0.0500	1	01/23/23	01/24/23	
Total Xylenes	ND	0.0250	1	01/23/23	01/24/23	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*01/23/23*	*01/24/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2304004
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/23	01/24/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*99.2 %*	*70-130*	*01/23/23*	*01/24/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2304003
Diesel Range Organics (C10-C28)	ND	25.0	1	01/23/23	01/24/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/23/23	01/24/23	
Surrogate: n-Nonane		*101 %*	*50-200*	*01/23/23*	*01/24/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2304005
Chloride	**197**	40.0	2	01/23/23	01/23/23	

QC Summary Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	1/26/2023 12:31:37PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2304004-BLK1)									Prepared: 01/23/23 Analyzed: 01/23/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*8.38*		*8.00*		*105*	*70-130*			
LCS (2304004-BS1)									Prepared: 01/23/23 Analyzed: 01/23/23
Benzene	4.68	0.0250	5.00		93.5	70-130			
Ethylbenzene	5.05	0.0250	5.00		101	70-130			
Toluene	5.07	0.0250	5.00		101	70-130			
o-Xylene	5.19	0.0250	5.00		104	70-130			
p,m-Xylene	10.3	0.0500	10.0		103	70-130			
Total Xylenes	15.4	0.0250	15.0		103	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.41*		*8.00*		*105*	*70-130*			
Matrix Spike (2304004-MS1)				**Source: E301116-01**					Prepared: 01/23/23 Analyzed: 01/23/23
Benzene	4.66	0.0250	5.00	ND	93.1	54-133			
Ethylbenzene	5.03	0.0250	5.00	ND	101	61-133			
Toluene	5.05	0.0250	5.00	ND	101	61-130			
o-Xylene	5.19	0.0250	5.00	ND	104	63-131			
p,m-Xylene	10.2	0.0500	10.0	ND	102	63-131			
Total Xylenes	15.4	0.0250	15.0	ND	103	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*8.41*		*8.00*		*105*	*70-130*			
Matrix Spike Dup (2304004-MSD1)				**Source: E301116-01**					Prepared: 01/23/23 Analyzed: 01/23/23
Benzene	5.19	0.0250	5.00	ND	104	54-133	10.9	20	
Ethylbenzene	5.61	0.0250	5.00	ND	112	61-133	11.0	20	
Toluene	5.64	0.0250	5.00	ND	113	61-130	10.9	20	
o-Xylene	5.77	0.0250	5.00	ND	115	63-131	10.6	20	
p,m-Xylene	11.4	0.0500	10.0	ND	114	63-131	10.8	20	
Total Xylenes	17.1	0.0250	15.0	ND	114	63-131	10.7	20	
Surrogate: 4-Bromochlorobenzene-PID	*8.43*		*8.00*		*105*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	1/26/2023 12:31:37PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2304004-BLK1)									Prepared: 01/23/23 Analyzed: 01/23/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.88*		*8.00*		*98.5*	*70-130*			
LCS (2304004-BS2)									Prepared: 01/23/23 Analyzed: 01/23/23
Gasoline Range Organics (C6-C10)	45.8	20.0	50.0		91.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*8.07*		*8.00*		*101*	*70-130*			
Matrix Spike (2304004-MS2)				**Source: E301116-01**					Prepared: 01/23/23 Analyzed: 01/23/23
Gasoline Range Organics (C6-C10)	58.2	20.0	50.0	ND	116	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.89*		*8.00*		*98.7*	*70-130*			
Matrix Spike Dup (2304004-MSD2)				**Source: E301116-01**					Prepared: 01/23/23 Analyzed: 01/23/23
Gasoline Range Organics (C6-C10)	52.5	20.0	50.0	ND	105	70-130	10.4	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.92*		*8.00*		*99.1*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	1/26/2023 12:31:37PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2304003-BLK1)									Prepared: 01/23/23 Analyzed: 01/23/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*46.9*		*50.0*		*93.8*	*50-200*			
LCS (2304003-BS1)									Prepared: 01/23/23 Analyzed: 01/23/23
Diesel Range Organics (C10-C28)	240	25.0	250		96.0	38-132			
Surrogate: n-Nonane	*46.0*		*50.0*		*92.1*	*50-200*			
Matrix Spike (2304003-MS1)				**Source: E301116-02**					Prepared: 01/23/23 Analyzed: 01/23/23
Diesel Range Organics (C10-C28)	235	25.0	250	ND	94.1	38-132			
Surrogate: n-Nonane	*42.4*		*50.0*		*84.7*	*50-200*			
Matrix Spike Dup (2304003-MSD1)				**Source: E301116-02**					Prepared: 01/23/23 Analyzed: 01/23/23
Diesel Range Organics (C10-C28)	245	25.0	250	ND	97.9	38-132	3.95	20	
Surrogate: n-Nonane	*43.4*		*50.0*		*86.8*	*50-200*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	1/26/2023 12:31:37PM

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2304005-BLK1)									Prepared: 01/23/23 Analyzed: 01/23/23
Chloride	ND	20.0							
LCS (2304005-BS1)									Prepared: 01/23/23 Analyzed: 01/23/23
Chloride	260	20.0	250		104	90-110			
Matrix Spike (2304005-MS1)				**Source: E301116-01**					Prepared: 01/23/23 Analyzed: 01/24/23
Chloride	338	100	250	135	80.9	80-120			
Matrix Spike Dup (2304005-MSD1)				**Source: E301116-01**					Prepared: 01/23/23 Analyzed: 01/24/23
Chloride	345	100	250	135	83.8	80-120	2.13	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:	RDX 17 #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	01/26/23 12:31

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

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

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

Project Information | Chain of Custody | Page 1 of 1

Client: Devon	Bill To
Project: RDX 17 #002	Attention: Jim Raley
Project Manager: Ashley Giovengo	Address: 5315 Buena Vista Dr
Address: 1224 Standpipe Rd	City, State, Zip: Calsbad, NM 88220
City, State, Zip: Carlsbad, NM 88220	Phone: 575-689-7597
Phone: 505-382-1211	Email: jim.raley@dvn.com
Email: ashley.giovengo@wescominc.com	
Report due by:	

Lab Use Only: Lab WO# E 301160 | Job Number 01052-0007

TAT: 1D | 2D | 3D | Standard (x)

EPA Program: CWA | SDWA | RCRA

State: NM (x) | CO | UT | AZ | TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
13:52	1/19/23	Soil	1 Jar	CONF01 - 4'	1							X		
13:52	1/19/23	Soil	1 Jar	CONF02 - 4'	2							X		
13:54	1/19/23	Soil	1 Jar	CONF03 - 4'	3							X		
13:57	1/19/23	Soil	1 Jar	CONF04 - 4'	4							X		
13:57	1/19/23	Soil	1 Jar	CONF05 - 4'	5							X		
14:00	1/19/23	Soil	1 Jar	CONF06 - 4'	6							X		
14:04	1/19/23	Soil	1 Jar	CONF07 - 4'	7							X		
14:04	1/19/23	Soil	1 Jar	CONF08 - 4'	8							X		
14:08	1/19/23	Soil	1 Jar	CONF09 - 4'	9							X		
14:07	1/19/23	Soil	1 Jar	CONF10 - 4'	10							X		

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

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Rowena Rivera	1.20.2023	01:18pm	Michelle Cruz	1-20-23	1318
Michelle Cruz	1-20-23	1730	Lorenzo Lee	1-20-23	1730
Lorenzo Lee	1-21-23	0115 AM	Christian Llort	1/23/23	7:30

Lab Use Only: Received on ice: (Y)/ N; T1 ____ T2 ____ T3 ____; AVG Temp °C 4

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

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

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

envirotech

Envirotech Analytical Laboratory

Printed: 1/23/2023 9:05:59AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Devon Energy - Carlsbad	Date Received:	01/23/23 07:30	Work Order ID:	E301116
Phone:	(505) 382-1211	Date Logged In:	01/23/23 08:04	Logged In By:	Caitlin Christian
Email:	ashley.giovengo@wescominc.com	Due Date:	01/27/23 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

Report to:

Ashley Giovengo

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: RDX 17 #002

Work Order: E301118

Job Number: 01058-0007

Received: 1/24/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
1/30/23

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

Date Reported: 1/30/23

Ashley Giovengo
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: RDX 17 #002
Workorder: E301118
Date Received: 1/24/2023 8:10:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/24/2023 8:10:00AM, under the Project Name: RDX 17 #002.

The analytical test results summarized in this report with the Project Name: RDX 17 #002 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

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

Field Offices:

Southern New Mexico Area
Lynn Jarboe
Technical Representative/Client Services
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Table of Contents (continued)

Sample Summary

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	01/30/23 09:48

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CONF11 - 4'	E301118-01A	Soil	01/20/23	01/24/23	Glass Jar, 2 oz.
CONF12 - 4'	E301118-02A	Soil	01/20/23	01/24/23	Glass Jar, 2 oz.
CONF13 - 4'	E301118-03A	Soil	01/20/23	01/24/23	Glass Jar, 2 oz.
CONF14 - 4'	E301118-04A	Soil	01/20/23	01/24/23	Glass Jar, 2 oz.
CONF15 - 4'	E301118-05A	Soil	01/20/23	01/24/23	Glass Jar, 2 oz.
CONF16 - 4'	E301118-06A	Soil	01/20/23	01/24/23	Glass Jar, 2 oz.
CONF17 - 4'	E301118-07A	Soil	01/20/23	01/24/23	Glass Jar, 2 oz.
CONF18 - 4'	E301118-08A	Soil	01/20/23	01/24/23	Glass Jar, 2 oz.
CONF19 - 4'	E301118-09A	Soil	01/20/23	01/24/23	Glass Jar, 2 oz.
CONF20 - 4'	E301118-10A	Soil	01/20/23	01/24/23	Glass Jar, 2 oz.
CONF21 - 4'	E301118-11A	Soil	01/20/23	01/24/23	Glass Jar, 2 oz.
CONF22 - 4'	E301118-12A	Soil	01/20/23	01/24/23	Glass Jar, 2 oz.
CONF23 - 4'	E301118-13A	Soil	01/20/23	01/24/23	Glass Jar, 2 oz.
CONF24 - 4'	E301118-14A	Soil	01/20/23	01/24/23	Glass Jar, 2 oz.
CONF25 - 4'	E301118-15A	Soil	01/20/23	01/24/23	Glass Jar, 2 oz.
CONF26 - 4'	E301118-16A	Soil	01/20/23	01/24/23	Glass Jar, 2 oz.
CONF27 - 4'	E301118-17A	Soil	01/20/23	01/24/23	Glass Jar, 2 oz.
CONF28 - 4'	E301118-18A	Soil	01/20/23	01/24/23	Glass Jar, 2 oz.
CONF29 - 4'	E301118-19A	Soil	01/20/23	01/24/23	Glass Jar, 2 oz.
CONF30 - 4'	E301118-20A	Soil	01/20/23	01/24/23	Glass Jar, 2 oz.
CONF31 - 4'	E301118-21A	Soil	01/20/23	01/24/23	Glass Jar, 2 oz.
CONF32 - 4'	E301118-22A	Soil	01/20/23	01/24/23	Glass Jar, 2 oz.
CONF33 - 4'	E301118-23A	Soil	01/20/23	01/24/23	Glass Jar, 2 oz.
CONF34 - 4'	E301118-24A	Soil	01/20/23	01/24/23	Glass Jar, 2 oz.
CONF35 - 4'	E301118-25A	Soil	01/20/23	01/24/23	Glass Jar, 2 oz.
CONF36 - 4'	E301118-26A	Soil	01/20/23	01/24/23	Glass Jar, 2 oz.

Sample Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	1/30/2023 9:48:28AM

CONF11 - 4'

E301118-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2304009
Benzene	ND	0.0250	1	01/24/23	01/25/23	
Ethylbenzene	ND	0.0250	1	01/24/23	01/25/23	
Toluene	ND	0.0250	1	01/24/23	01/25/23	
o-Xylene	ND	0.0250	1	01/24/23	01/25/23	
p,m-Xylene	ND	0.0500	1	01/24/23	01/25/23	
Total Xylenes	ND	0.0250	1	01/24/23	01/25/23	
Surrogate: 4-Bromochlorobenzene-PID		*99.0 %*	*70-130*	*01/24/23*	*01/25/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2304009
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/24/23	01/25/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.9 %*	*70-130*	*01/24/23*	*01/25/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2304017
Diesel Range Organics (C10-C28)	ND	25.0	1	01/24/23	01/24/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/24/23	01/24/23	
Surrogate: n-Nonane		*88.0 %*	*50-200*	*01/24/23*	*01/24/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2304012
Chloride	**1510**	400	20	01/24/23	01/24/23	

Sample Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	1/30/2023 9:48:28AM

CONF12 - 4'

E301118-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2304009
Benzene	ND	0.0250	1	01/24/23	01/25/23	
Ethylbenzene	ND	0.0250	1	01/24/23	01/25/23	
Toluene	ND	0.0250	1	01/24/23	01/25/23	
o-Xylene	ND	0.0250	1	01/24/23	01/25/23	
p,m-Xylene	ND	0.0500	1	01/24/23	01/25/23	
Total Xylenes	ND	0.0250	1	01/24/23	01/25/23	
Surrogate: 4-Bromochlorobenzene-PID		*98.5 %*	*70-130*	*01/24/23*	*01/25/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2304009
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/24/23	01/25/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.0 %*	*70-130*	*01/24/23*	*01/25/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2304017
Diesel Range Organics (C10-C28)	**33.4**	25.0	1	01/24/23	01/24/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/24/23	01/24/23	
Surrogate: n-Nonane		*91.0 %*	*50-200*	*01/24/23*	*01/24/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2304012
Chloride	ND	400	20	01/24/23	01/24/23	

Sample Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	1/30/2023 9:48:28AM

CONF13 - 4'

E301118-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2304009
Benzene	ND	0.0250	1	01/24/23	01/25/23	
Ethylbenzene	ND	0.0250	1	01/24/23	01/25/23	
Toluene	ND	0.0250	1	01/24/23	01/25/23	
o-Xylene	ND	0.0250	1	01/24/23	01/25/23	
p,m-Xylene	ND	0.0500	1	01/24/23	01/25/23	
Total Xylenes	ND	0.0250	1	01/24/23	01/25/23	
Surrogate: 4-Bromochlorobenzene-PID		*96.9 %*	*70-130*	*01/24/23*	*01/25/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2304009
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/24/23	01/25/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.9 %*	*70-130*	*01/24/23*	*01/25/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2304017
Diesel Range Organics (C10-C28)	**35.0**	25.0	1	01/24/23	01/24/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/24/23	01/24/23	
Surrogate: n-Nonane		*89.5 %*	*50-200*	*01/24/23*	*01/24/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2304012
Chloride	**2020**	400	20	01/24/23	01/24/23	

Sample Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	1/30/2023 9:48:28AM

CONF14 - 4'

E301118-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2304009
Benzene	ND	0.0250	1	01/24/23	01/25/23	
Ethylbenzene	ND	0.0250	1	01/24/23	01/25/23	
Toluene	ND	0.0250	1	01/24/23	01/25/23	
o-Xylene	ND	0.0250	1	01/24/23	01/25/23	
p,m-Xylene	ND	0.0500	1	01/24/23	01/25/23	
Total Xylenes	ND	0.0250	1	01/24/23	01/25/23	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*01/24/23*	*01/25/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2304009
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/24/23	01/25/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.7 %*	*70-130*	*01/24/23*	*01/25/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2304017
Diesel Range Organics (C10-C28)	ND	25.0	1	01/24/23	01/24/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/24/23	01/24/23	
Surrogate: n-Nonane		*96.1 %*	*50-200*	*01/24/23*	*01/24/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2304012
Chloride	ND	400	20	01/24/23	01/24/23	

Sample Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	1/30/2023 9:48:28AM

CONF15 - 4'

E301118-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2304009
Benzene	ND	0.0250	1	01/24/23	01/25/23	
Ethylbenzene	ND	0.0250	1	01/24/23	01/25/23	
Toluene	ND	0.0250	1	01/24/23	01/25/23	
o-Xylene	ND	0.0250	1	01/24/23	01/25/23	
p,m-Xylene	ND	0.0500	1	01/24/23	01/25/23	
Total Xylenes	ND	0.0250	1	01/24/23	01/25/23	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*01/24/23*	*01/25/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2304009
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/24/23	01/25/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.0 %*	*70-130*	*01/24/23*	*01/25/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2304017
Diesel Range Organics (C10-C28)	**395**	125	5	01/24/23	01/25/23	
Oil Range Organics (C28-C36)	**360**	250	5	01/24/23	01/25/23	
Surrogate: n-Nonane		*95.6 %*	*50-200*	*01/24/23*	*01/25/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2304012
Chloride	**3320**	400	20	01/24/23	01/24/23	

Sample Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	1/30/2023 9:48:28AM

CONF16 - 4'

E301118-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2304009
Benzene	ND	0.0250	1	01/24/23	01/25/23	
Ethylbenzene	ND	0.0250	1	01/24/23	01/25/23	
Toluene	ND	0.0250	1	01/24/23	01/25/23	
o-Xylene	ND	0.0250	1	01/24/23	01/25/23	
p,m-Xylene	ND	0.0500	1	01/24/23	01/25/23	
Total Xylenes	ND	0.0250	1	01/24/23	01/25/23	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*01/24/23*	*01/25/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2304009
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/24/23	01/25/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.8 %*	*70-130*	*01/24/23*	*01/25/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2304017
Diesel Range Organics (C10-C28)	**125**	25.0	1	01/24/23	01/24/23	
Oil Range Organics (C28-C36)	**68.5**	50.0	1	01/24/23	01/24/23	
Surrogate: n-Nonane		*93.3 %*	*50-200*	*01/24/23*	*01/24/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2304012
Chloride	ND	400	20	01/24/23	01/24/23	

Sample Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	1/30/2023 9:48:28AM

CONF17 - 4'

E301118-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2304009
Benzene	ND	0.0250	1	01/24/23	01/25/23	
Ethylbenzene	ND	0.0250	1	01/24/23	01/25/23	
Toluene	ND	0.0250	1	01/24/23	01/25/23	
o-Xylene	ND	0.0250	1	01/24/23	01/25/23	
p,m-Xylene	ND	0.0500	1	01/24/23	01/25/23	
Total Xylenes	ND	0.0250	1	01/24/23	01/25/23	
Surrogate: 4-Bromochlorobenzene-PID		*100 %*	*70-130*	*01/24/23*	*01/25/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2304009
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/24/23	01/25/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.8 %*	*70-130*	*01/24/23*	*01/25/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2304017
Diesel Range Organics (C10-C28)	**44.9**	25.0	1	01/24/23	01/24/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/24/23	01/24/23	
Surrogate: n-Nonane		*86.5 %*	*50-200*	*01/24/23*	*01/24/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2304012
Chloride	**5650**	400	20	01/24/23	01/24/23	

Sample Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	1/30/2023 9:48:28AM

CONF18 - 4'

E301118-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2304009
Benzene	ND	0.0250	1	01/24/23	01/25/23	
Ethylbenzene	ND	0.0250	1	01/24/23	01/25/23	
Toluene	ND	0.0250	1	01/24/23	01/25/23	
o-Xylene	ND	0.0250	1	01/24/23	01/25/23	
p,m-Xylene	ND	0.0500	1	01/24/23	01/25/23	
Total Xylenes	ND	0.0250	1	01/24/23	01/25/23	
Surrogate: 4-Bromochlorobenzene-PID		*99.4 %*	*70-130*	*01/24/23*	*01/25/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2304009
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/24/23	01/25/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.2 %*	*70-130*	*01/24/23*	*01/25/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2304017
Diesel Range Organics (C10-C28)	**28.6**	25.0	1	01/24/23	01/24/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/24/23	01/24/23	
Surrogate: n-Nonane		*93.4 %*	*50-200*	*01/24/23*	*01/24/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2304012
Chloride	**447**	400	20	01/24/23	01/24/23	

Sample Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	1/30/2023 9:48:28AM

CONF19 - 4'

E301118-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2304009
Benzene	ND	0.0250	1	01/24/23	01/25/23	
Ethylbenzene	ND	0.0250	1	01/24/23	01/25/23	
Toluene	ND	0.0250	1	01/24/23	01/25/23	
o-Xylene	ND	0.0250	1	01/24/23	01/25/23	
p,m-Xylene	ND	0.0500	1	01/24/23	01/25/23	
Total Xylenes	ND	0.0250	1	01/24/23	01/25/23	
Surrogate: 4-Bromochlorobenzene-PID		*98.4 %*	*70-130*	*01/24/23*	*01/25/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2304009
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/24/23	01/25/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.4 %*	*70-130*	*01/24/23*	*01/25/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2304017
Diesel Range Organics (C10-C28)	**66.8**	50.0	2	01/24/23	01/25/23	
Oil Range Organics (C28-C36)	ND	100	2	01/24/23	01/25/23	
Surrogate: n-Nonane		*90.3 %*	*50-200*	*01/24/23*	*01/25/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2304012
Chloride	**2390**	400	20	01/24/23	01/24/23	

Sample Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	1/30/2023 9:48:28AM

CONF20 - 4'

E301118-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2304009
Benzene	ND	0.0250	1	01/24/23	01/25/23	
Ethylbenzene	ND	0.0250	1	01/24/23	01/25/23	
Toluene	ND	0.0250	1	01/24/23	01/25/23	
o-Xylene	ND	0.0250	1	01/24/23	01/25/23	
p,m-Xylene	ND	0.0500	1	01/24/23	01/25/23	
Total Xylenes	ND	0.0250	1	01/24/23	01/25/23	
Surrogate: 4-Bromochlorobenzene-PID		*99.4 %*	*70-130*	*01/24/23*	*01/25/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2304009
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/24/23	01/25/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.5 %*	*70-130*	*01/24/23*	*01/25/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2304017
Diesel Range Organics (C10-C28)	**60.2**	25.0	1	01/24/23	01/24/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/24/23	01/24/23	
Surrogate: n-Nonane		*96.2 %*	*50-200*	*01/24/23*	*01/24/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2304012
Chloride	ND	400	20	01/24/23	01/24/23	

Sample Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	1/30/2023 9:48:28AM

CONF21 - 4'

E301118-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2304009
Benzene	ND	0.0250	1	01/24/23	01/25/23	
Ethylbenzene	ND	0.0250	1	01/24/23	01/25/23	
Toluene	ND	0.0250	1	01/24/23	01/25/23	
o-Xylene	ND	0.0250	1	01/24/23	01/25/23	
p,m-Xylene	ND	0.0500	1	01/24/23	01/25/23	
Total Xylenes	ND	0.0250	1	01/24/23	01/25/23	
Surrogate: 4-Bromochlorobenzene-PID		*98.4 %*	*70-130*	*01/24/23*	*01/25/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2304009
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/24/23	01/25/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.8 %*	*70-130*	*01/24/23*	*01/25/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2304017
Diesel Range Organics (C10-C28)	**98.8**	50.0	2	01/24/23	01/25/23	
Oil Range Organics (C28-C36)	ND	100	2	01/24/23	01/25/23	
Surrogate: n-Nonane		*84.1 %*	*50-200*	*01/24/23*	*01/25/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2304012
Chloride	**1730**	100	5	01/24/23	01/24/23	

Sample Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	1/30/2023 9:48:28AM

CONF22 - 4'

E301118-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2304009
Benzene	ND	0.0250	1	01/24/23	01/25/23	
Ethylbenzene	ND	0.0250	1	01/24/23	01/25/23	
Toluene	ND	0.0250	1	01/24/23	01/25/23	
o-Xylene	ND	0.0250	1	01/24/23	01/25/23	
p,m-Xylene	ND	0.0500	1	01/24/23	01/25/23	
Total Xylenes	ND	0.0250	1	01/24/23	01/25/23	
Surrogate: 4-Bromochlorobenzene-PID		*100 %*	*70-130*	*01/24/23*	*01/25/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2304009
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/24/23	01/25/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*84.8 %*	*70-130*	*01/24/23*	*01/25/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2304017
Diesel Range Organics (C10-C28)	**82.4**	25.0	1	01/24/23	01/24/23	
Oil Range Organics (C28-C36)	**53.0**	50.0	1	01/24/23	01/24/23	
Surrogate: n-Nonane		*95.6 %*	*50-200*	*01/24/23*	*01/24/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2304012
Chloride	**185**	40.0	2	01/24/23	01/24/23	

Sample Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	1/30/2023 9:48:28AM

CONF23 - 4'

E301118-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2304009
Benzene	ND	0.0250	1	01/24/23	01/25/23	
Ethylbenzene	ND	0.0250	1	01/24/23	01/25/23	
Toluene	ND	0.0250	1	01/24/23	01/25/23	
o-Xylene	ND	0.0250	1	01/24/23	01/25/23	
p,m-Xylene	ND	0.0500	1	01/24/23	01/25/23	
Total Xylenes	ND	0.0250	1	01/24/23	01/25/23	
Surrogate: 4-Bromochlorobenzene-PID		*98.2 %*	*70-130*	*01/24/23*	*01/25/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2304009
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/24/23	01/25/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.3 %*	*70-130*	*01/24/23*	*01/25/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2304017
Diesel Range Organics (C10-C28)	**388**	125	5	01/24/23	01/25/23	
Oil Range Organics (C28-C36)	**371**	250	5	01/24/23	01/25/23	
Surrogate: n-Nonane		*87.1 %*	*50-200*	*01/24/23*	*01/25/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2304012
Chloride	**1900**	200	10	01/24/23	01/24/23	

Sample Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	1/30/2023 9:48:28AM

CONF24 - 4'

E301118-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2304009
Benzene	ND	0.0250	1	01/24/23	01/25/23	
Ethylbenzene	ND	0.0250	1	01/24/23	01/25/23	
Toluene	ND	0.0250	1	01/24/23	01/25/23	
o-Xylene	ND	0.0250	1	01/24/23	01/25/23	
p,m-Xylene	ND	0.0500	1	01/24/23	01/25/23	
Total Xylenes	ND	0.0250	1	01/24/23	01/25/23	
Surrogate: 4-Bromochlorobenzene-PID		*99.2 %*	*70-130*	*01/24/23*	*01/25/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2304009
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/24/23	01/25/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.6 %*	*70-130*	*01/24/23*	*01/25/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2304017
Diesel Range Organics (C10-C28)	**54.0**	25.0	1	01/24/23	01/24/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/24/23	01/24/23	
Surrogate: n-Nonane		*97.2 %*	*50-200*	*01/24/23*	*01/24/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2304012
Chloride	**446**	400	20	01/24/23	01/24/23	

Sample Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	1/30/2023 9:48:28AM

CONF25 - 4'

E301118-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2304009
Benzene	ND	0.0250	1	01/24/23	01/25/23	
Ethylbenzene	ND	0.0250	1	01/24/23	01/25/23	
Toluene	ND	0.0250	1	01/24/23	01/25/23	
o-Xylene	ND	0.0250	1	01/24/23	01/25/23	
p,m-Xylene	ND	0.0500	1	01/24/23	01/25/23	
Total Xylenes	ND	0.0250	1	01/24/23	01/25/23	
Surrogate: 4-Bromochlorobenzene-PID		*98.8 %*	*70-130*	*01/24/23*	*01/25/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2304009
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/24/23	01/25/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.8 %*	*70-130*	*01/24/23*	*01/25/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2304017
Diesel Range Organics (C10-C28)	**420**	250	10	01/24/23	01/25/23	
Oil Range Organics (C28-C36)	ND	500	10	01/24/23	01/25/23	
Surrogate: n-Nonane		*85.4 %*	*50-200*	*01/24/23*	*01/25/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2304012
Chloride	**3850**	400	20	01/24/23	01/24/23	

Sample Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	1/30/2023 9:48:28AM

CONF26 - 4'

E301118-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2304009
Benzene	ND	0.0250	1	01/24/23	01/25/23	
Ethylbenzene	ND	0.0250	1	01/24/23	01/25/23	
Toluene	ND	0.0250	1	01/24/23	01/25/23	
o-Xylene	ND	0.0250	1	01/24/23	01/25/23	
p,m-Xylene	ND	0.0500	1	01/24/23	01/25/23	
Total Xylenes	ND	0.0250	1	01/24/23	01/25/23	
Surrogate: 4-Bromochlorobenzene-PID		*99.2 %*	*70-130*	*01/24/23*	*01/25/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2304009
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/24/23	01/25/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.7 %*	*70-130*	*01/24/23*	*01/25/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2304017
Diesel Range Organics (C10-C28)	**148**	25.0	1	01/24/23	01/25/23	
Oil Range Organics (C28-C36)	**68.2**	50.0	1	01/24/23	01/25/23	
Surrogate: n-Nonane		*89.6 %*	*50-200*	*01/24/23*	*01/25/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2304012
Chloride	**931**	400	20	01/24/23	01/24/23	

Sample Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	1/30/2023 9:48:28AM

CONF27 - 4'

E301118-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2304009
Benzene	ND	0.0250	1	01/24/23	01/25/23	
Ethylbenzene	ND	0.0250	1	01/24/23	01/25/23	
Toluene	ND	0.0250	1	01/24/23	01/25/23	
o-Xylene	ND	0.0250	1	01/24/23	01/25/23	
p,m-Xylene	ND	0.0500	1	01/24/23	01/25/23	
Total Xylenes	ND	0.0250	1	01/24/23	01/25/23	
Surrogate: 4-Bromochlorobenzene-PID		*98.9 %*	*70-130*	*01/24/23*	*01/25/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2304009
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/24/23	01/25/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.6 %*	*70-130*	*01/24/23*	*01/25/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2304017
Diesel Range Organics (C10-C28)	**2240**	500	20	01/24/23	01/25/23	
Oil Range Organics (C28-C36)	**1580**	1000	20	01/24/23	01/25/23	
Surrogate: n-Nonane		*102 %*	*50-200*	*01/24/23*	*01/25/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2304012
Chloride	**4010**	400	20	01/24/23	01/24/23	

Sample Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	1/30/2023 9:48:28AM

CONF28 - 4'

E301118-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2304009
Benzene	ND	0.0250	1	01/24/23	01/26/23	
Ethylbenzene	ND	0.0250	1	01/24/23	01/26/23	
Toluene	ND	0.0250	1	01/24/23	01/26/23	
o-Xylene	ND	0.0250	1	01/24/23	01/26/23	
p,m-Xylene	ND	0.0500	1	01/24/23	01/26/23	
Total Xylenes	ND	0.0250	1	01/24/23	01/26/23	
Surrogate: 4-Bromochlorobenzene-PID		*97.8 %*	*70-130*	*01/24/23*	*01/26/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2304009
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/24/23	01/26/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.4 %*	*70-130*	*01/24/23*	*01/26/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2304017
Diesel Range Organics (C10-C28)	**238**	25.0	1	01/24/23	01/25/23	
Oil Range Organics (C28-C36)	**103**	50.0	1	01/24/23	01/25/23	
Surrogate: n-Nonane		*97.2 %*	*50-200*	*01/24/23*	*01/25/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2304012
Chloride	**771**	400	20	01/24/23	01/24/23	

Sample Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	1/30/2023 9:48:28AM

CONF29 - 4'

E301118-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2304009
Benzene	ND	0.0250	1	01/24/23	01/26/23	
Ethylbenzene	**0.145**	0.0250	1	01/24/23	01/26/23	
Toluene	ND	0.0250	1	01/24/23	01/26/23	
o-Xylene	**0.0507**	0.0250	1	01/24/23	01/26/23	
p,m-Xylene	**0.247**	0.0500	1	01/24/23	01/26/23	
Total Xylenes	**0.298**	0.0250	1	01/24/23	01/26/23	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*01/24/23*	*01/26/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2304009
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/24/23	01/26/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.4 %*	*70-130*	*01/24/23*	*01/26/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2304017
Diesel Range Organics (C10-C28)	**6170**	500	20	01/24/23	01/25/23	
Oil Range Organics (C28-C36)	**3040**	1000	20	01/24/23	01/25/23	
Surrogate: n-Nonane		*109 %*	*50-200*	*01/24/23*	*01/25/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2304012
Chloride	**1640**	400	20	01/24/23	01/24/23	

Sample Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	1/30/2023 9:48:28AM

CONF30 - 4'

E301118-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2304009
Benzene	ND	0.0250	1	01/24/23	01/26/23	
Ethylbenzene	ND	0.0250	1	01/24/23	01/26/23	
Toluene	ND	0.0250	1	01/24/23	01/26/23	
o-Xylene	ND	0.0250	1	01/24/23	01/26/23	
p,m-Xylene	ND	0.0500	1	01/24/23	01/26/23	
Total Xylenes	ND	0.0250	1	01/24/23	01/26/23	
Surrogate: 4-Bromochlorobenzene-PID		*95.1 %*	*70-130*	*01/24/23*	*01/26/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2304009
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/24/23	01/26/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.4 %*	*70-130*	*01/24/23*	*01/26/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2304017
Diesel Range Organics (C10-C28)	**128**	25.0	1	01/24/23	01/25/23	
Oil Range Organics (C28-C36)	**69.8**	50.0	1	01/24/23	01/25/23	
Surrogate: n-Nonane		*94.3 %*	*50-200*	*01/24/23*	*01/25/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2304012
Chloride	**1480**	400	20	01/24/23	01/25/23	

Sample Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	1/30/2023 9:48:28AM

CONF31 - 4'

E301118-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2304010
Benzene	ND	0.0250	1	01/24/23	01/26/23	
Ethylbenzene	ND	0.0250	1	01/24/23	01/26/23	
Toluene	ND	0.0250	1	01/24/23	01/26/23	
o-Xylene	ND	0.0250	1	01/24/23	01/26/23	
p,m-Xylene	ND	0.0500	1	01/24/23	01/26/23	
Total Xylenes	ND	0.0250	1	01/24/23	01/26/23	
Surrogate: 4-Bromochlorobenzene-PID		*97.7 %*	*70-130*	*01/24/23*	*01/26/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2304010
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/24/23	01/26/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.5 %*	*70-130*	*01/24/23*	*01/26/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2304018
Diesel Range Organics (C10-C28)	**134**	25.0	1	01/24/23	01/24/23	
Oil Range Organics (C28-C36)	**78.9**	50.0	1	01/24/23	01/24/23	
Surrogate: n-Nonane		*90.0 %*	*50-200*	*01/24/23*	*01/24/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2304013
Chloride	**3120**	400	20	01/24/23	01/25/23	

Sample Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	1/30/2023 9:48:28AM

CONF32 - 4'

E301118-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2304010
Benzene	ND	0.0250	1	01/24/23	01/25/23	
Ethylbenzene	ND	0.0250	1	01/24/23	01/25/23	
Toluene	ND	0.0250	1	01/24/23	01/25/23	
o-Xylene	ND	0.0250	1	01/24/23	01/25/23	
p,m-Xylene	ND	0.0500	1	01/24/23	01/25/23	
Total Xylenes	ND	0.0250	1	01/24/23	01/25/23	
Surrogate: 4-Bromochlorobenzene-PID		*97.9 %*	*70-130*	*01/24/23*	*01/25/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2304010
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/24/23	01/25/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.9 %*	*70-130*	*01/24/23*	*01/25/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2304018
Diesel Range Organics (C10-C28)	**184**	25.0	1	01/24/23	01/24/23	
Oil Range Organics (C28-C36)	**110**	50.0	1	01/24/23	01/24/23	
Surrogate: n-Nonane		*91.7 %*	*50-200*	*01/24/23*	*01/24/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2304013
Chloride	**986**	400	20	01/24/23	01/25/23	

Sample Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	1/30/2023 9:48:28AM

CONF33 - 4'

E301118-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2304010
Benzene	ND	0.0250	1	01/24/23	01/25/23	
Ethylbenzene	ND	0.0250	1	01/24/23	01/25/23	
Toluene	ND	0.0250	1	01/24/23	01/25/23	
o-Xylene	ND	0.0250	1	01/24/23	01/25/23	
p,m-Xylene	ND	0.0500	1	01/24/23	01/25/23	
Total Xylenes	ND	0.0250	1	01/24/23	01/25/23	
Surrogate: 4-Bromochlorobenzene-PID		*96.9 %*	*70-130*	*01/24/23*	*01/25/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2304010
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/24/23	01/25/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.5 %*	*70-130*	*01/24/23*	*01/25/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2304018
Diesel Range Organics (C10-C28)	**1730**	125	5	01/24/23	01/25/23	
Oil Range Organics (C28-C36)	**781**	250	5	01/24/23	01/25/23	
Surrogate: n-Nonane		*101 %*	*50-200*	*01/24/23*	*01/25/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2304013
Chloride	**1960**	200	10	01/24/23	01/25/23	

Sample Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	1/30/2023 9:48:28AM

CONF34 - 4'

E301118-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2304010
Benzene	ND	0.0250	1	01/24/23	01/25/23	
Ethylbenzene	ND	0.0250	1	01/24/23	01/25/23	
Toluene	ND	0.0250	1	01/24/23	01/25/23	
o-Xylene	ND	0.0250	1	01/24/23	01/25/23	
p,m-Xylene	ND	0.0500	1	01/24/23	01/25/23	
Total Xylenes	ND	0.0250	1	01/24/23	01/25/23	
Surrogate: 4-Bromochlorobenzene-PID		*97.8 %*	*70-130*	*01/24/23*	*01/25/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2304010
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/24/23	01/25/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.1 %*	*70-130*	*01/24/23*	*01/25/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2304018
Diesel Range Organics (C10-C28)	**615**	125	5	01/24/23	01/25/23	
Oil Range Organics (C28-C36)	**346**	250	5	01/24/23	01/25/23	
Surrogate: n-Nonane		*93.6 %*	*50-200*	*01/24/23*	*01/25/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2304013
Chloride	**1460**	400	20	01/24/23	01/25/23	

Sample Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	1/30/2023 9:48:28AM

CONF35 - 4'

E301118-25

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2304010
Benzene	ND	0.0250	1	01/24/23	01/25/23	
Ethylbenzene	ND	0.0250	1	01/24/23	01/25/23	
Toluene	ND	0.0250	1	01/24/23	01/25/23	
o-Xylene	ND	0.0250	1	01/24/23	01/25/23	
p,m-Xylene	ND	0.0500	1	01/24/23	01/25/23	
Total Xylenes	ND	0.0250	1	01/24/23	01/25/23	
Surrogate: 4-Bromochlorobenzene-PID		*97.0 %*	*70-130*	*01/24/23*	*01/25/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2304010
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/24/23	01/25/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.0 %*	*70-130*	*01/24/23*	*01/25/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2304018
Diesel Range Organics (C10-C28)	**928**	125	5	01/24/23	01/25/23	
Oil Range Organics (C28-C36)	**701**	250	5	01/24/23	01/25/23	
Surrogate: n-Nonane		*89.2 %*	*50-200*	*01/24/23*	*01/25/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2304013
Chloride	**1320**	400	20	01/24/23	01/25/23	

Sample Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	1/30/2023 9:48:28AM

CONF36 - 4'

E301118-26

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2304010
Benzene	ND	0.0250	1	01/24/23	01/25/23	
Ethylbenzene	ND	0.0250	1	01/24/23	01/25/23	
Toluene	ND	0.0250	1	01/24/23	01/25/23	
o-Xylene	ND	0.0250	1	01/24/23	01/25/23	
p,m-Xylene	ND	0.0500	1	01/24/23	01/25/23	
Total Xylenes	ND	0.0250	1	01/24/23	01/25/23	
Surrogate: 4-Bromochlorobenzene-PID		*97.2 %*	*70-130*	*01/24/23*	*01/25/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2304010
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/24/23	01/25/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.6 %*	*70-130*	*01/24/23*	*01/25/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2304018
Diesel Range Organics (C10-C28)	ND	25.0	1	01/24/23	01/24/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/24/23	01/24/23	
Surrogate: n-Nonane		*97.6 %*	*50-200*	*01/24/23*	*01/24/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2304013
Chloride	**2100**	400	20	01/24/23	01/25/23	

QC Summary Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	1/30/2023 9:48:28AM

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2304009-BLK1)									Prepared: 01/24/23 Analyzed: 01/25/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.91*		*8.00*		*98.9*	*70-130*			
LCS (2304009-BS1)									Prepared: 01/24/23 Analyzed: 01/25/23
Benzene	4.08	0.0250	5.00		81.6	70-130			
Ethylbenzene	4.36	0.0250	5.00		87.2	70-130			
Toluene	4.42	0.0250	5.00		88.4	70-130			
o-Xylene	4.53	0.0250	5.00		90.5	70-130			
p,m-Xylene	8.83	0.0500	10.0		88.3	70-130			
Total Xylenes	13.4	0.0250	15.0		89.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.01*		*8.00*		*100*	*70-130*			
Matrix Spike (2304009-MS1)				**Source: E301118-03**					Prepared: 01/24/23 Analyzed: 01/25/23
Benzene	4.31	0.0250	5.00	ND	86.1	54-133			
Ethylbenzene	4.65	0.0250	5.00	ND	93.0	61-133			
Toluene	4.69	0.0250	5.00	ND	93.7	61-130			
o-Xylene	4.82	0.0250	5.00	ND	96.4	63-131			
p,m-Xylene	9.44	0.0500	10.0	ND	94.4	63-131			
Total Xylenes	14.3	0.0250	15.0	ND	95.0	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*8.07*		*8.00*		*101*	*70-130*			
Matrix Spike Dup (2304009-MSD1)				**Source: E301118-03**					Prepared: 01/24/23 Analyzed: 01/25/23
Benzene	4.01	0.0250	5.00	ND	80.2	54-133	7.09	20	
Ethylbenzene	4.33	0.0250	5.00	ND	86.7	61-133	7.07	20	
Toluene	4.37	0.0250	5.00	ND	87.4	61-130	6.96	20	
o-Xylene	4.49	0.0250	5.00	ND	89.9	63-131	6.99	20	
p,m-Xylene	8.80	0.0500	10.0	ND	88.0	63-131	6.92	20	
Total Xylenes	13.3	0.0250	15.0	ND	88.6	63-131	6.94	20	
Surrogate: 4-Bromochlorobenzene-PID	*8.07*		*8.00*		*101*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	1/30/2023 9:48:28AM

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2304010-BLK1)									Prepared: 01/24/23 Analyzed: 01/25/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.84*		*8.00*		*98.0*	*70-130*			
LCS (2304010-BS1)									Prepared: 01/24/23 Analyzed: 01/25/23
Benzene	4.13	0.0250	5.00		82.7	70-130			
Ethylbenzene	4.47	0.0250	5.00		89.4	70-130			
Toluene	4.51	0.0250	5.00		90.2	70-130			
o-Xylene	4.61	0.0250	5.00		92.3	70-130			
p,m-Xylene	9.06	0.0500	10.0		90.6	70-130			
Total Xylenes	13.7	0.0250	15.0		91.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.91*		*8.00*		*98.9*	*70-130*			
Matrix Spike (2304010-MS1)				**Source: E301119-01**					Prepared: 01/24/23 Analyzed: 01/25/23
Benzene	4.20	0.0250	5.00	ND	84.0	54-133			
Ethylbenzene	4.52	0.0250	5.00	ND	90.5	61-133			
Toluene	4.56	0.0250	5.00	ND	91.2	61-130			
o-Xylene	4.66	0.0250	5.00	ND	93.2	63-131			
p,m-Xylene	9.17	0.0500	10.0	ND	91.7	63-131			
Total Xylenes	13.8	0.0250	15.0	ND	92.2	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.90*		*8.00*		*98.7*	*70-130*			
Matrix Spike Dup (2304010-MSD1)				**Source: E301119-01**					Prepared: 01/24/23 Analyzed: 01/25/23
Benzene	4.21	0.0250	5.00	ND	84.3	54-133	0.380	20	
Ethylbenzene	4.55	0.0250	5.00	ND	91.0	61-133	0.598	20	
Toluene	4.59	0.0250	5.00	ND	91.7	61-130	0.535	20	
o-Xylene	4.69	0.0250	5.00	ND	93.7	63-131	0.591	20	
p,m-Xylene	9.23	0.0500	10.0	ND	92.3	63-131	0.649	20	
Total Xylenes	13.9	0.0250	15.0	ND	92.7	63-131	0.630	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.85*		*8.00*		*98.1*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	1/30/2023 9:48:28AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2304009-BLK1)									Prepared: 01/24/23 Analyzed: 01/25/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.32*		*8.00*		*91.5*	*70-130*			
LCS (2304009-BS2)									Prepared: 01/24/23 Analyzed: 01/25/23
Gasoline Range Organics (C6-C10)	43.5	20.0	50.0		86.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.53*		*8.00*		*94.1*	*70-130*			
Matrix Spike (2304009-MS2)				**Source: E301118-03**					Prepared: 01/24/23 Analyzed: 01/25/23
Gasoline Range Organics (C6-C10)	42.5	20.0	50.0	ND	85.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.28*		*8.00*		*90.9*	*70-130*			
Matrix Spike Dup (2304009-MSD2)				**Source: E301118-03**					Prepared: 01/24/23 Analyzed: 01/25/23
Gasoline Range Organics (C6-C10)	46.3	20.0	50.0	ND	92.7	70-130	8.66	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.35*		*8.00*		*91.9*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	1/30/2023 9:48:28AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2304010-BLK1)									Prepared: 01/24/23 Analyzed: 01/25/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.53*		*8.00*		*94.1*	*70-130*			
LCS (2304010-BS2)									Prepared: 01/24/23 Analyzed: 01/25/23
Gasoline Range Organics (C6-C10)	46.0	20.0	50.0		91.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.69*		*8.00*		*96.2*	*70-130*			
Matrix Spike (2304010-MS2)				**Source: E301119-01**					Prepared: 01/24/23 Analyzed: 01/25/23
Gasoline Range Organics (C6-C10)	46.4	20.0	50.0	ND	92.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.54*		*8.00*		*94.3*	*70-130*			
Matrix Spike Dup (2304010-MSD2)				**Source: E301119-01**					Prepared: 01/24/23 Analyzed: 01/25/23
Gasoline Range Organics (C6-C10)	48.9	20.0	50.0	ND	97.8	70-130	5.30	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.73*		*8.00*		*96.7*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	1/30/2023 9:48:28AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2304017-BLK1)									Prepared: 01/24/23 Analyzed: 01/24/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*45.7*		*50.0*		*91.5*	*50-200*			
LCS (2304017-BS1)									Prepared: 01/24/23 Analyzed: 01/24/23
Diesel Range Organics (C10-C28)	219	25.0	250		87.6	38-132			
Surrogate: n-Nonane	*47.5*		*50.0*		*95.1*	*50-200*			
Matrix Spike (2304017-MS1)				**Source: E301118-08**					Prepared: 01/24/23 Analyzed: 01/24/23
Diesel Range Organics (C10-C28)	242	25.0	250	28.6	85.4	38-132			
Surrogate: n-Nonane	*42.3*		*50.0*		*84.6*	*50-200*			
Matrix Spike Dup (2304017-MSD1)				**Source: E301118-08**					Prepared: 01/24/23 Analyzed: 01/24/23
Diesel Range Organics (C10-C28)	220	25.0	250	28.6	76.5	38-132	9.62	20	
Surrogate: n-Nonane	*43.0*		*50.0*		*86.0*	*50-200*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	1/30/2023 9:48:28AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2304018-BLK1)									Prepared: 01/24/23 Analyzed: 01/24/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*48.8*		*50.0*		*97.7*	*50-200*			
LCS (2304018-BS1)									Prepared: 01/24/23 Analyzed: 01/24/23
Diesel Range Organics (C10-C28)	218	25.0	250		87.2	38-132			
Surrogate: n-Nonane	*42.0*		*50.0*		*84.1*	*50-200*			
Matrix Spike (2304018-MS1)				**Source: E301119-05**					Prepared: 01/24/23 Analyzed: 01/24/23
Diesel Range Organics (C10-C28)	255	25.0	250	ND	102	38-132			
Surrogate: n-Nonane	*49.1*		*50.0*		*98.3*	*50-200*			
Matrix Spike Dup (2304018-MSD1)				**Source: E301119-05**					Prepared: 01/24/23 Analyzed: 01/24/23
Diesel Range Organics (C10-C28)	226	25.0	250	ND	90.3	38-132	12.3	20	
Surrogate: n-Nonane	*43.4*		*50.0*		*86.8*	*50-200*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	1/30/2023 9:48:28AM

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2304012-BLK1)									Prepared: 01/24/23 Analyzed: 01/24/23
Chloride	ND	20.0							
LCS (2304012-BS1)									Prepared: 01/24/23 Analyzed: 01/24/23
Chloride	264	20.0	250		106	90-110			
Matrix Spike (2304012-MS1)				**Source: E301118-01**					Prepared: 01/24/23 Analyzed: 01/24/23
Chloride	1720	400	250	1510	80.2	80-120			
Matrix Spike Dup (2304012-MSD1)				**Source: E301118-01**					Prepared: 01/24/23 Analyzed: 01/24/23
Chloride	1690	400	250	1510	71.0	80-120	1.34	20	M2

QC Summary Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	1/30/2023 9:48:28AM

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2304013-BLK1)									Prepared: 01/24/23 Analyzed: 01/25/23
Chloride	ND	20.0							
LCS (2304013-BS1)									Prepared: 01/24/23 Analyzed: 01/25/23
Chloride	262	20.0	250		105	90-110			
Matrix Spike (2304013-MS1)				**Source: E301118-21**					Prepared: 01/24/23 Analyzed: 01/25/23
Chloride	3310	400	250	3120	73.2	80-120			M2
Matrix Spike Dup (2304013-MSD1)				**Source: E301118-21**					Prepared: 01/24/23 Analyzed: 01/25/23
Chloride	3470	400	250	3120	137	80-120	4.72	20	M2

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:	RDX 17 #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	01/30/23 09:48

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

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

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

Project Information | Chain of Custody | WO # 10612077701 | Page 1 of 3

Client: Devon	
Project: RDX 17 #002	
Project Manager: Ashley Giovengo	
Address: 1224 Standpipe Rd	
City, State, Zip: Carlsbad, NM 88220	
Phone: 505-382-1211	
Email: ashley.giovengo@wescominc.com	
Report due by:	

Bill To

Attention: Jim Raley	
Address: 5315 Buena Vista Dr	
City, State, Zip: Calsbad, NM 88220	
Phone: 575-689-7597	
Email: jim.raley@dvn.com	

Lab Use Only

Lab WO#	Job Number
E301118	01058-0007

TAT

1D	2D	3D	Standard
			x

EPA Program

CWA	SDWA	RCRA

State

NM	CO	UT	AZ	TX	
x					

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
12:06	1/20/23	Soil	1 Jar	CONF11 - 4'	1							X		
12:09	1/20/23	Soil	1 Jar	CONF12 - 4'	2							X		
12:11	1/20/23	Soil	1 Jar	CONF13 - 4'	3							X		
12:16	1/20/23	Soil	1 Jar	CONF14 - 4'	4							X		
12:19	1/20/23	Soil	1 Jar	CONF15 - 4'	5							X		
12:22	1/20/23	Soil	1 Jar	CONF16 - 4'	6							X		
12:27	1/20/23	Soil	1 Jar	CONF17 - 4'	7							X		
12:32	1/20/23	Soil	1 Jar	CONF18 - 4'	8							X		
12:35	1/20/23	Soil	1 Jar	CONF19 - 4'	9							X		
12:38	1/20/23	Soil	1 Jar	CONF20 - 4'	10							X		

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

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	01/23/23	11:06am	Michael Gayle	01-23-23	1106
Michael Gayle	1-23-23	1645		1-23-23	1702
Lorenzo Lee	1-23-23	2300	Caitlin Christian	1/24/23	8:10

Lab Use Only
Received on ice: Y / N
T1 T2 T3
AVG Temp °C 4

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

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

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

envirotech

Project Information | Chain of Custody | Page 2 of 3

Client: Devon	
Project: RDX 17 #002	
Project Manager: Ashley Giovengo	
Address: 1224 Standpipe Rd	
City, State, Zip: Carlsbad, NM 88220	
Phone: 505-382-1211	
Email: ashley.giovengo@wescominc.com	
Report due by:	

Bill To

Attention: Jim Raley	
Address: 5315 Buena Vista Dr	
City, State, Zip: Calsbad, NM 88220	
Phone: 575-689-7597	
Email: jim.raley@dvn.com	

Lab Use Only

Lab WO#	Job Number
E301118	01058-0007

TAT

1D	2D	3D	Standard
			x

EPA Program

CWA	SDWA	RCRA

State

NM	CO	UT	AZ	TX	
x					

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM	BGDOC TX			Remarks
						Analysis and Method												
13:19	1/20/23	Soil	1 Jar	CONF21 - 4'	11									X				
13:21	1/20/23	Soil	1 Jar	CONF22 - 4'	12									X				
13:23	1/20/23	Soil	1 Jar	CONF23 - 4'	13									X				
13:28	1/20/23	Soil	1 Jar	CONF24 - 4'	14									X				
13:31	1/20/23	Soil	1 Jar	CONF25 - 4'	15									X				
13:33	1/20/23	Soil	1 Jar	CONF26 - 4'	16									X				
13:38	1/20/23	Soil	1 Jar	CONF27 - 4'	17									X				
13:42	1/20/23	Soil	1 Jar	CONF28 - 4'	18									X				
13:44	1/20/23	Soil	1 Jar	CONF29 - 4'	19									X				
13:48	1/20/23	Soil	1 Jar	CONF30 - 4'	20									X				

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

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	01/23/23	11:00am		01-23-23	1106
	01-23-23	1645		1-23-23	1700
	1-23-23	2300		1/24/23	8:10

Lab Use Only

Received on ice: (Y) / N

T1 _____ T2 _____ T3 _____

AVG Temp °C 4

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

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

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

envirotech

Project Information | Chain of Custody | Page 3 of 3

Client: Devon	Bill To
Project: RDX 17 #002	Attention: Jim Raley
Project Manager: Ashley Giovengo	Address: 5315 Buena Vista Dr
Address: 1224 Standpipe Rd	City, State, Zip: Calsbad, NM 88220
City, State, Zip: Carlsbad, NM 88220	Phone: 575-689-7597
Phone: 505-382-1211	Email: jim.raley@dvn.com
Email: ashley.giovengo@wescominc.com	
Report due by:	

Lab Use Only: Lab WO# E301118 | Job Number 01058-0007

TAT: 1D | 2D | 3D | Standard (X)

EPA Program: CWA | SDWA | RCRA

State: NM (X) | CO | UT | AZ | TX

Analysis and Method: DRO/ORO by 8015 | GRO/DRO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0 | BGDOC NM | BGDOC TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	BGDOC NM	Remarks
14:22	1/20/23	Soil	1 Jar	CONF31 - 4'	21	X	
14:23	1/20/23	Soil	1 Jar	CONF32 - 4'	22	X	
14:25	1/20/23	Soil	1 Jar	CONF33 - 4'	23	X	
14:35	1/20/23	Soil	1 Jar	CONF34 - 4'	24	X	
14:38	1/20/23	Soil	1 Jar	CONF35 - 4'	25	X	
14:39	1/20/23	Soil	1 Jar	CONF36 - 4'	26	X	

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

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	01/23/23	11:06am	Michelle Cruz	01-23-23	1106
Michelle Cruz	01-23-23	1645		1-23-23	1702
Lorenzo Lee	1-23-23	2300	Cristina Chatin	1/24/22	8:10

Lab Use Only: Received on ice: (Y) / N

T1 _____ T2 _____ T3 _____

AVG Temp °C 4

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

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

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

envirotech

Envirotech Analytical Laboratory

Printed: 1/24/2023 9:49:38AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Devon Energy - Carlsbad	Date Received:	01/24/23 08:10	Work Order ID:	E301118
Phone:	(505) 382-1211	Date Logged In:	01/23/23 15:45	Logged In By:	Caitlin Christian
Email:	ashley.giovengo@wescominc.com	Due Date:	01/30/23 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

Report to:

Ashley Giovengo

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: RDX 17 #002

Work Order: E301135

Job Number: 01058-0007

Received: 1/27/2023

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/1/23

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

Date Reported: 2/1/23

Ashley Giovengo
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: RDX 17 #002
Workorder: E301135
Date Received: 1/27/2023 8:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/27/2023 8:30:00AM, under the Project Name: RDX 17 #002.

The analytical test results summarized in this report with the Project Name: RDX 17 #002 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

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

Field Offices:

Southern New Mexico Area
Lynn Jarboe
Technical Representative/Client Services
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Table of Contents (continued)

Sample Summary

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	02/01/23 13:15

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CONF37 - 4'	E301135-01A	Soil	01/25/23	01/27/23	Glass Jar, 2 oz.
CONF38 - 4'	E301135-02A	Soil	01/25/23	01/27/23	Glass Jar, 2 oz.
CONF39 - 0'	E301135-03A	Soil	01/25/23	01/27/23	Glass Jar, 2 oz.
CONF40 - 0'	E301135-04A	Soil	01/25/23	01/27/23	Glass Jar, 2 oz.
CONF41 - 0'	E301135-05A	Soil	01/25/23	01/27/23	Glass Jar, 2 oz.
CONF42 - 0'	E301135-06A	Soil	01/25/23	01/27/23	Glass Jar, 2 oz.
CONF43 - 0'	E301135-07A	Soil	01/25/23	01/27/23	Glass Jar, 2 oz.
CONF44 - 0'	E301135-08A	Soil	01/25/23	01/27/23	Glass Jar, 2 oz.
CONF45 - .5'	E301135-09A	Soil	01/25/23	01/27/23	Glass Jar, 2 oz.
CONF46 - 3'	E301135-10A	Soil	01/25/23	01/27/23	Glass Jar, 2 oz.
CONF47 - 4'	E301135-11A	Soil	01/25/23	01/27/23	Glass Jar, 2 oz.
CONF48 - 3'	E301135-12A	Soil	01/25/23	01/27/23	Glass Jar, 2 oz.
CONF53 - 3'	E301135-13A	Soil	01/25/23	01/27/23	Glass Jar, 2 oz.
CONF57 Wall - 2'	E301135-14A	Soil	01/25/23	01/27/23	Glass Jar, 2 oz.
CONF58 Wall - 2'	E301135-15A	Soil	01/25/23	01/27/23	Glass Jar, 2 oz.
CONF59 Wall - 0'	E301135-16A	Soil	01/25/23	01/27/23	Glass Jar, 2 oz.

Sample Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/1/2023 1:15:18PM

CONF37 - 4'

E301135-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2304046
Benzene	ND	0.0250	1	01/27/23	01/28/23	
Ethylbenzene	ND	0.0250	1	01/27/23	01/28/23	
Toluene	ND	0.0250	1	01/27/23	01/28/23	
o-Xylene	ND	0.0250	1	01/27/23	01/28/23	
p,m-Xylene	ND	0.0500	1	01/27/23	01/28/23	
Total Xylenes	ND	0.0250	1	01/27/23	01/28/23	
Surrogate: 4-Bromochlorobenzene-PID		*98.0 %*	*70-130*	*01/27/23*	*01/28/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2304046
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/23	01/28/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.1 %*	*70-130*	*01/27/23*	*01/28/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2304043
Diesel Range Organics (C10-C28)	**251**	125	5	01/27/23	01/28/23	
Oil Range Organics (C28-C36)	**260**	250	5	01/27/23	01/28/23	
Surrogate: n-Nonane		*89.2 %*	*50-200*	*01/27/23*	*01/28/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2304054
Chloride	**2500**	400	20	01/27/23	01/28/23	

Sample Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/1/2023 1:15:18PM

CONF38 - 4'

E301135-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2304046
Benzene	ND	0.0250	1	01/27/23	01/27/23	
Ethylbenzene	ND	0.0250	1	01/27/23	01/27/23	
Toluene	ND	0.0250	1	01/27/23	01/27/23	
o-Xylene	ND	0.0250	1	01/27/23	01/27/23	
p,m-Xylene	ND	0.0500	1	01/27/23	01/27/23	
Total Xylenes	ND	0.0250	1	01/27/23	01/27/23	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*01/27/23*	*01/27/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2304046
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/23	01/27/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.5 %*	*70-130*	*01/27/23*	*01/27/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2304043
Diesel Range Organics (C10-C28)	ND	25.0	1	01/27/23	01/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/27/23	01/27/23	
Surrogate: n-Nonane		*96.1 %*	*50-200*	*01/27/23*	*01/27/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2304054
Chloride	**1700**	400	20	01/27/23	01/28/23	

Sample Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/1/2023 1:15:18PM

CONF39 - 0'

E301135-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2304046
Benzene	ND	0.0250	1	01/27/23	01/28/23	
Ethylbenzene	ND	0.0250	1	01/27/23	01/28/23	
Toluene	ND	0.0250	1	01/27/23	01/28/23	
o-Xylene	ND	0.0250	1	01/27/23	01/28/23	
p,m-Xylene	ND	0.0500	1	01/27/23	01/28/23	
Total Xylenes	ND	0.0250	1	01/27/23	01/28/23	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*01/27/23*	*01/28/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2304046
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/23	01/28/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.7 %*	*70-130*	*01/27/23*	*01/28/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2304043
Diesel Range Organics (C10-C28)	ND	25.0	1	01/27/23	01/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/27/23	01/27/23	
Surrogate: n-Nonane		*123 %*	*50-200*	*01/27/23*	*01/27/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2304054
Chloride	**160**	20.0	1	01/27/23	01/28/23	

Sample Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/1/2023 1:15:18PM

CONF40 - 0'

E301135-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2304046
Benzene	ND	0.0250	1	01/27/23	01/28/23	
Ethylbenzene	ND	0.0250	1	01/27/23	01/28/23	
Toluene	ND	0.0250	1	01/27/23	01/28/23	
o-Xylene	ND	0.0250	1	01/27/23	01/28/23	
p,m-Xylene	ND	0.0500	1	01/27/23	01/28/23	
Total Xylenes	ND	0.0250	1	01/27/23	01/28/23	
Surrogate: 4-Bromochlorobenzene-PID		*100 %*	*70-130*	*01/27/23*	*01/28/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2304046
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/23	01/28/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.0 %*	*70-130*	*01/27/23*	*01/28/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2304043
Diesel Range Organics (C10-C28)	ND	25.0	1	01/27/23	01/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/27/23	01/27/23	
Surrogate: n-Nonane		*96.1 %*	*50-200*	*01/27/23*	*01/27/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2304054
Chloride	**48.4**	20.0	1	01/27/23	01/28/23	

Sample Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/1/2023 1:15:18PM

CONF41 - 0'

E301135-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2304046
Benzene	ND	0.0250	1	01/27/23	01/28/23	
Ethylbenzene	ND	0.0250	1	01/27/23	01/28/23	
Toluene	ND	0.0250	1	01/27/23	01/28/23	
o-Xylene	ND	0.0250	1	01/27/23	01/28/23	
p,m-Xylene	ND	0.0500	1	01/27/23	01/28/23	
Total Xylenes	ND	0.0250	1	01/27/23	01/28/23	
Surrogate: 4-Bromochlorobenzene-PID		*100 %*	*70-130*	*01/27/23*	*01/28/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2304046
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/23	01/28/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.7 %*	*70-130*	*01/27/23*	*01/28/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2304043
Diesel Range Organics (C10-C28)	ND	25.0	1	01/27/23	01/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/27/23	01/27/23	
Surrogate: n-Nonane		*87.8 %*	*50-200*	*01/27/23*	*01/27/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2304054
Chloride	**26.0**	20.0	1	01/27/23	01/28/23	

Sample Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/1/2023 1:15:18PM

CONF42 - 0'

E301135-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2304046
Benzene	ND	0.0250	1	01/27/23	01/28/23	
Ethylbenzene	ND	0.0250	1	01/27/23	01/28/23	
Toluene	ND	0.0250	1	01/27/23	01/28/23	
o-Xylene	ND	0.0250	1	01/27/23	01/28/23	
p,m-Xylene	ND	0.0500	1	01/27/23	01/28/23	
Total Xylenes	ND	0.0250	1	01/27/23	01/28/23	
Surrogate: 4-Bromochlorobenzene-PID		*98.8 %*	*70-130*	*01/27/23*	*01/28/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2304046
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/23	01/28/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.4 %*	*70-130*	*01/27/23*	*01/28/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2304043
Diesel Range Organics (C10-C28)	ND	25.0	1	01/27/23	01/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/27/23	01/28/23	
Surrogate: n-Nonane		*97.1 %*	*50-200*	*01/27/23*	*01/28/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2304054
Chloride	**45.8**	20.0	1	01/27/23	01/28/23	

Sample Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/1/2023 1:15:18PM

CONF43 - 0'

E301135-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2304046
Benzene	ND	0.0250	1	01/27/23	01/28/23	
Ethylbenzene	ND	0.0250	1	01/27/23	01/28/23	
Toluene	ND	0.0250	1	01/27/23	01/28/23	
o-Xylene	ND	0.0250	1	01/27/23	01/28/23	
p,m-Xylene	ND	0.0500	1	01/27/23	01/28/23	
Total Xylenes	ND	0.0250	1	01/27/23	01/28/23	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*01/27/23*	*01/28/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2304046
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/23	01/28/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.4 %*	*70-130*	*01/27/23*	*01/28/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2304043
Diesel Range Organics (C10-C28)	ND	25.0	1	01/27/23	01/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/27/23	01/28/23	
Surrogate: n-Nonane		*99.0 %*	*50-200*	*01/27/23*	*01/28/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2304054
Chloride	**466**	20.0	1	01/27/23	01/28/23	

Sample Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/1/2023 1:15:18PM

CONF44 - 0'

E301135-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2304046
Benzene	ND	0.0250	1	01/27/23	01/28/23	
Ethylbenzene	ND	0.0250	1	01/27/23	01/28/23	
Toluene	ND	0.0250	1	01/27/23	01/28/23	
o-Xylene	ND	0.0250	1	01/27/23	01/28/23	
p,m-Xylene	ND	0.0500	1	01/27/23	01/28/23	
Total Xylenes	ND	0.0250	1	01/27/23	01/28/23	
Surrogate: 4-Bromochlorobenzene-PID		*99.8 %*	*70-130*	*01/27/23*	*01/28/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2304046
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/23	01/28/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.4 %*	*70-130*	*01/27/23*	*01/28/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2304043
Diesel Range Organics (C10-C28)	ND	25.0	1	01/27/23	01/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/27/23	01/28/23	
Surrogate: n-Nonane		*93.6 %*	*50-200*	*01/27/23*	*01/28/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2304054
Chloride	**361**	20.0	1	01/27/23	01/28/23	

Sample Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/1/2023 1:15:18PM

CONF45 - .5'

E301135-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2304046
Benzene	ND	0.0250	1	01/27/23	01/28/23	
Ethylbenzene	ND	0.0250	1	01/27/23	01/28/23	
Toluene	ND	0.0250	1	01/27/23	01/28/23	
o-Xylene	ND	0.0250	1	01/27/23	01/28/23	
p,m-Xylene	ND	0.0500	1	01/27/23	01/28/23	
Total Xylenes	ND	0.0250	1	01/27/23	01/28/23	
Surrogate: 4-Bromochlorobenzene-PID		*99.0 %*	*70-130*	*01/27/23*	*01/28/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2304046
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/23	01/28/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.0 %*	*70-130*	*01/27/23*	*01/28/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2304043
Diesel Range Organics (C10-C28)	ND	25.0	1	01/27/23	01/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/27/23	01/28/23	
Surrogate: n-Nonane		*93.4 %*	*50-200*	*01/27/23*	*01/28/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2304054
Chloride	**625**	20.0	1	01/27/23	01/28/23	

Sample Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/1/2023 1:15:18PM

CONF46 - 3'

E301135-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2304046
Benzene	ND	0.0250	1	01/27/23	01/28/23	
Ethylbenzene	ND	0.0250	1	01/27/23	01/28/23	
Toluene	ND	0.0250	1	01/27/23	01/28/23	
o-Xylene	ND	0.0250	1	01/27/23	01/28/23	
p,m-Xylene	ND	0.0500	1	01/27/23	01/28/23	
Total Xylenes	ND	0.0250	1	01/27/23	01/28/23	
Surrogate: 4-Bromochlorobenzene-PID		*99.4 %*	*70-130*	*01/27/23*	*01/28/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2304046
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/23	01/28/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.9 %*	*70-130*	*01/27/23*	*01/28/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2304043
Diesel Range Organics (C10-C28)	ND	25.0	1	01/27/23	01/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/27/23	01/28/23	
Surrogate: n-Nonane		*97.8 %*	*50-200*	*01/27/23*	*01/28/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2304054
Chloride	**66.1**	40.0	2	01/27/23	01/28/23	

Sample Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/1/2023 1:15:18PM

CONF47 - 4'

E301135-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2304046
Benzene	ND	0.0250	1	01/27/23	01/28/23	
Ethylbenzene	ND	0.0250	1	01/27/23	01/28/23	
Toluene	ND	0.0250	1	01/27/23	01/28/23	
o-Xylene	ND	0.0250	1	01/27/23	01/28/23	
p,m-Xylene	ND	0.0500	1	01/27/23	01/28/23	
Total Xylenes	ND	0.0250	1	01/27/23	01/28/23	
Surrogate: 4-Bromochlorobenzene-PID		*98.8 %*	*70-130*	*01/27/23*	*01/28/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2304046
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/23	01/28/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.7 %*	*70-130*	*01/27/23*	*01/28/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2304043
Diesel Range Organics (C10-C28)	**87.3**	25.0	1	01/27/23	01/28/23	
Oil Range Organics (C28-C36)	**71.4**	50.0	1	01/27/23	01/28/23	
Surrogate: n-Nonane		*100 %*	*50-200*	*01/27/23*	*01/28/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2304054
Chloride	**419**	20.0	1	01/27/23	01/28/23	

Sample Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/1/2023 1:15:18PM

CONF48 - 3'

E301135-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2304046
Benzene	ND	0.0250	1	01/27/23	01/28/23	
Ethylbenzene	ND	0.0250	1	01/27/23	01/28/23	
Toluene	ND	0.0250	1	01/27/23	01/28/23	
o-Xylene	ND	0.0250	1	01/27/23	01/28/23	
p,m-Xylene	ND	0.0500	1	01/27/23	01/28/23	
Total Xylenes	ND	0.0250	1	01/27/23	01/28/23	
Surrogate: 4-Bromochlorobenzene-PID		*98.6 %*	*70-130*	*01/27/23*	*01/28/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2304046
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/23	01/28/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.5 %*	*70-130*	*01/27/23*	*01/28/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2304043
Diesel Range Organics (C10-C28)	ND	25.0	1	01/27/23	01/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/27/23	01/28/23	
Surrogate: n-Nonane		*88.3 %*	*50-200*	*01/27/23*	*01/28/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2304054
Chloride	**430**	200	10	01/27/23	01/28/23	

Sample Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/1/2023 1:15:18PM

CONF53 - 3'

E301135-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2304046
Benzene	ND	0.0250	1	01/27/23	01/28/23	
Ethylbenzene	ND	0.0250	1	01/27/23	01/28/23	
Toluene	ND	0.0250	1	01/27/23	01/28/23	
o-Xylene	ND	0.0250	1	01/27/23	01/28/23	
p,m-Xylene	ND	0.0500	1	01/27/23	01/28/23	
Total Xylenes	ND	0.0250	1	01/27/23	01/28/23	
Surrogate: 4-Bromochlorobenzene-PID		*99.9 %*	*70-130*	*01/27/23*	*01/28/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2304046
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/23	01/28/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.2 %*	*70-130*	*01/27/23*	*01/28/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2304043
Diesel Range Organics (C10-C28)	ND	25.0	1	01/27/23	01/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/27/23	01/28/23	
Surrogate: n-Nonane		*93.5 %*	*50-200*	*01/27/23*	*01/28/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2304054
Chloride	**484**	400	20	01/27/23	01/28/23	

Sample Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/1/2023 1:15:18PM

CONF57 Wall - 2'

E301135-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2304046
Benzene	ND	0.0250	1	01/27/23	01/28/23	
Ethylbenzene	ND	0.0250	1	01/27/23	01/28/23	
Toluene	ND	0.0250	1	01/27/23	01/28/23	
o-Xylene	ND	0.0250	1	01/27/23	01/28/23	
p,m-Xylene	ND	0.0500	1	01/27/23	01/28/23	
Total Xylenes	ND	0.0250	1	01/27/23	01/28/23	
Surrogate: 4-Bromochlorobenzene-PID		*99.0 %*	*70-130*	*01/27/23*	*01/28/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2304046
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/23	01/28/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.8 %*	*70-130*	*01/27/23*	*01/28/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2304043
Diesel Range Organics (C10-C28)	ND	25.0	1	01/27/23	01/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/27/23	01/28/23	
Surrogate: n-Nonane		*98.2 %*	*50-200*	*01/27/23*	*01/28/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2304054
Chloride	ND	40.0	2	01/27/23	01/28/23	

Sample Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/1/2023 1:15:18PM

CONF58 Wall - 2'

E301135-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2304046
Benzene	ND	0.0250	1	01/27/23	01/28/23	
Ethylbenzene	ND	0.0250	1	01/27/23	01/28/23	
Toluene	ND	0.0250	1	01/27/23	01/28/23	
o-Xylene	ND	0.0250	1	01/27/23	01/28/23	
p,m-Xylene	ND	0.0500	1	01/27/23	01/28/23	
Total Xylenes	ND	0.0250	1	01/27/23	01/28/23	
Surrogate: 4-Bromochlorobenzene-PID		*97.7 %*	*70-130*	*01/27/23*	*01/28/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2304046
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/23	01/28/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.5 %*	*70-130*	*01/27/23*	*01/28/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2304043
Diesel Range Organics (C10-C28)	ND	25.0	1	01/27/23	01/28/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/27/23	01/28/23	
Surrogate: n-Nonane		*95.8 %*	*50-200*	*01/27/23*	*01/28/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2304054
Chloride	**404**	20.0	1	01/27/23	01/28/23	

Sample Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/1/2023 1:15:18PM

CONF59 Wall - 0'

E301135-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2304046
Benzene	ND	0.0250	1	01/27/23	01/28/23	
Ethylbenzene	ND	0.0250	1	01/27/23	01/28/23	
Toluene	ND	0.0250	1	01/27/23	01/28/23	
o-Xylene	ND	0.0250	1	01/27/23	01/28/23	
p,m-Xylene	ND	0.0500	1	01/27/23	01/28/23	
Total Xylenes	ND	0.0250	1	01/27/23	01/28/23	
Surrogate: 4-Bromochlorobenzene-PID		*98.6 %*	*70-130*	*01/27/23*	*01/28/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2304046
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/27/23	01/28/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.3 %*	*70-130*	*01/27/23*	*01/28/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2304044
Diesel Range Organics (C10-C28)	ND	25.0	1	01/27/23	01/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/27/23	01/27/23	
Surrogate: n-Nonane		*108 %*	*50-200*	*01/27/23*	*01/27/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2304054
Chloride	**270**	20.0	1	01/27/23	01/28/23	

QC Summary Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/1/2023 1:15:18PM

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2304046-BLK1)									Prepared: 01/27/23 Analyzed: 01/27/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*8.18*		*8.00*		*102*	*70-130*			
LCS (2304046-BS1)									Prepared: 01/27/23 Analyzed: 01/27/23
Benzene	4.79	0.0250	5.00		95.7	70-130			
Ethylbenzene	4.80	0.0250	5.00		96.0	70-130			
Toluene	4.94	0.0250	5.00		98.8	70-130			
o-Xylene	4.97	0.0250	5.00		99.4	70-130			
p,m-Xylene	9.73	0.0500	10.0		97.3	70-130			
Total Xylenes	14.7	0.0250	15.0		98.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.25*		*8.00*		*103*	*70-130*			
Matrix Spike (2304046-MS1)				**Source: E301135-02**					Prepared: 01/27/23 Analyzed: 01/28/23
Benzene	4.54	0.0250	5.00	ND	90.7	54-133			
Ethylbenzene	4.57	0.0250	5.00	ND	91.3	61-133			
Toluene	4.70	0.0250	5.00	ND	93.9	61-130			
o-Xylene	4.72	0.0250	5.00	ND	94.3	63-131			
p,m-Xylene	9.27	0.0500	10.0	ND	92.7	63-131			
Total Xylenes	14.0	0.0250	15.0	ND	93.3	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*8.05*		*8.00*		*101*	*70-130*			
Matrix Spike Dup (2304046-MSD1)				**Source: E301135-02**					Prepared: 01/27/23 Analyzed: 01/28/23
Benzene	5.03	0.0250	5.00	ND	101	54-133	10.4	20	
Ethylbenzene	5.08	0.0250	5.00	ND	102	61-133	10.7	20	
Toluene	5.21	0.0250	5.00	ND	104	61-130	10.5	20	
o-Xylene	5.24	0.0250	5.00	ND	105	63-131	10.6	20	
p,m-Xylene	10.3	0.0500	10.0	ND	103	63-131	10.4	20	
Total Xylenes	15.5	0.0250	15.0	ND	104	63-131	10.5	20	
Surrogate: 4-Bromochlorobenzene-PID	*8.06*		*8.00*		*101*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/1/2023 1:15:18PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2304046-BLK1)									Prepared: 01/27/23 Analyzed: 01/27/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.52*		*8.00*		*94.1*	*70-130*			
LCS (2304046-BS2)									Prepared: 01/27/23 Analyzed: 01/27/23
Gasoline Range Organics (C6-C10)	48.1	20.0	50.0		96.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.62*		*8.00*		*95.2*	*70-130*			
Matrix Spike (2304046-MS2)				**Source: E301135-02**					Prepared: 01/27/23 Analyzed: 01/28/23
Gasoline Range Organics (C6-C10)	48.8	20.0	50.0	ND	97.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.49*		*8.00*		*93.6*	*70-130*			
Matrix Spike Dup (2304046-MSD2)				**Source: E301135-02**					Prepared: 01/27/23 Analyzed: 01/31/23
Gasoline Range Organics (C6-C10)	47.6	20.0	50.0	ND	95.3	70-130	2.51	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.71*		*8.00*		*96.4*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/1/2023 1:15:18PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2304043-BLK1)									Prepared: 01/27/23 Analyzed: 01/27/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*48.1*		*50.0*		*96.2*	*50-200*			
LCS (2304043-BS1)									Prepared: 01/27/23 Analyzed: 01/27/23
Diesel Range Organics (C10-C28)	234	25.0	250		93.7	38-132			
Surrogate: n-Nonane	*48.2*		*50.0*		*96.3*	*50-200*			
Matrix Spike (2304043-MS1)				**Source: E301135-05**					Prepared: 01/27/23 Analyzed: 01/27/23
Diesel Range Organics (C10-C28)	235	25.0	250	ND	93.9	38-132			
Surrogate: n-Nonane	*42.8*		*50.0*		*85.6*	*50-200*			
Matrix Spike Dup (2304043-MSD1)				**Source: E301135-05**					Prepared: 01/27/23 Analyzed: 01/27/23
Diesel Range Organics (C10-C28)	226	25.0	250	ND	90.5	38-132	3.60	20	
Surrogate: n-Nonane	*42.1*		*50.0*		*84.2*	*50-200*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/1/2023 1:15:18PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2304044-BLK1)									Prepared: 01/27/23 Analyzed: 01/27/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*52.6*		*50.0*		*105*	*50-200*			
LCS (2304044-BS1)									Prepared: 01/27/23 Analyzed: 01/27/23
Diesel Range Organics (C10-C28)	254	25.0	250		102	38-132			
Surrogate: n-Nonane	*52.5*		*50.0*		*105*	*50-200*			
Matrix Spike (2304044-MS1)				**Source: E301137-16**					Prepared: 01/27/23 Analyzed: 01/27/23
Diesel Range Organics (C10-C28)	258	25.0	250	ND	103	38-132			
Surrogate: n-Nonane	*52.6*		*50.0*		*105*	*50-200*			
Matrix Spike Dup (2304044-MSD1)				**Source: E301137-16**					Prepared: 01/27/23 Analyzed: 01/27/23
Diesel Range Organics (C10-C28)	259	25.0	250	ND	104	38-132	0.550	20	
Surrogate: n-Nonane	*54.5*		*50.0*		*109*	*50-200*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/1/2023 1:15:18PM

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2304054-BLK1)									Prepared: 01/27/23 Analyzed: 01/28/23
Chloride	ND	20.0							
LCS (2304054-BS1)									Prepared: 01/27/23 Analyzed: 01/30/23
Chloride	249	20.0	250		99.8	90-110			
Matrix Spike (2304054-MS1)				**Source: E301135-01**					Prepared: 01/27/23 Analyzed: 01/28/23
Chloride	2900	400	250	2500	159	80-120			M4
Matrix Spike Dup (2304054-MSD1)				**Source: E301135-01**					Prepared: 01/27/23 Analyzed: 01/28/23
Chloride	2670	400	250	2500	67.0	80-120	8.24	20	M2

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:	RDX 17 #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	02/01/23 13:15

M2	Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.
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

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

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

Project Information | Chain of Custody | Page 1 of 2

Client: Devon	
Project: RDX 17 #002	
Project Manager: Ashley Giovengo	
Address: 1224 Standpipe Rd	
City, State, Zip: Carlsbad, NM 88220	
Phone: 505-382-1211	
Email: ashley.giovengo@wescominc.com	
Report due by:	

Bill To

Attention: Jim Raley	
Address: 5315 Buena Vista Dr	
City, State, Zip: Calsbad, NM 88220	
Phone: 575-689-7597	
Email: jim.raley@dvn.com	

Lab Use Only

Lab WO#	Job Number
E 301135	D1058-0007

TAT

1D	2D	3D	Standard
			x

EPA Program

CWA	SDWA	RCRA

State

NM	CO	UT	AZ	TX	
x					

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM	BGDOC TX			Remarks
9:50	1/25/23	Soil	1 Jar	CONF37 - 4'	1									X				
9:51	1/25/23	Soil	1 Jar	CONF38 - 4'	2									X				
10:36	1/25/23	Soil	1 Jar	CONF39 - 0'	3									X				
10:41	1/25/23	Soil	1 Jar	CONF40 - 0'	4									X				
10:48	1/25/23	Soil	1 Jar	CONF41 - 0'	5									X				
10:55	1/25/23	Soil	1 Jar	CONF42 - 0'	6									X				
12:26	1/25/23	Soil	1 Jar	CONF43 - 0'	7									X				
11:03	1/25/23	Soil	1 Jar	CONF44 - 0'	8									X				
13:24	1/25/23	Soil	1 Jar	CONF45 - .5'	9									X				
12:45	1/25/23	Soil	1 Jar	CONF46 - 3'	10									X				

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

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Andrea Reese	1-26-2023	11:48a	Michelle Cuyo	1-26-23	1148
Michelle Cuyo	1-26-23	1645	Lorenzo Lei	1-26-23	1700
Lorenzo Lei	1-26-23	2300	Raina Schwartz	1/27/23	8:30

Lab Use Only
Received on ice: Y / N
T1 T2 T3
AVG Temp °C 4

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

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

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

envirotech

Project Information | Chain of Custody | Page 2 of 2

Client: Devon	Bill To
Project: RDX 17 #002	Attention: Jim Raley
Project Manager: Ashley Giovengo	Address: 5315 Buena Vista Dr
Address: 1224 Standpipe Rd	City, State, Zip: Calsbad, NM 88220
City, State, Zip: Carlsbad, NM 88220	Phone: 575-689-7597
Phone: 505-382-1211	Email: jim.raley@dvn.com
Email: ashley.giovengo@wescominc.com	
Report due by:	

Lab Use Only: Lab WO# E301135 | Job Number 01058-0007

TAT: 1D | 2D | 3D | Standard: x

EPA Program: CWA | SDWA | RCRA

State: NM x | CO | UT | AZ | TX

Analysis and Method: DRO/ORO by 8015 | GRO/DRO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0 | BGDOC NM | BGDOC TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	BGDOC NM	Remarks
14:47	1/25/23	Soil	1 Jar	CONF47 - 4'	11	X	
12:52	1/25/23	Soil	1 Jar	CONF48 - 3'	12	X	
15:09	1/25/23	Soil	1 Jar	CONF53 - 3'	13	X	
9:52	1/25/23	Soil	1 Jar	CONF57 Wall - 2'	14	X	
9:56	1/25/23	Soil	1 Jar	CONF58 Wall - 2'	15	X	
10:45	1/25/23	Soil	1 Jar	CONF59 Wall - 0'	16	X	

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

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	1-26-2023	11:48	Michelle Lewis	1-26-23	1148
Michelle Lewis	1-26-23	1645	[signature]	1-26-23	1740
Lorenzo Lei	1-26-23	2302	Raisa Schwarz	1/27/23	8:30

Lab Use Only: Received on ice: Y / (N) | T1 | T2 | T3 | AVG Temp °C 4

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

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

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

envirotech

Envirotech Analytical Laboratory

Printed: 1/27/2023 8:38:01AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Devon Energy - Carlsbad	Date Received:	01/27/23 08:30	Work Order ID:	E301135
Phone:	(505) 382-1211	Date Logged In:	01/26/23 16:29	Logged In By:	Caitlin Christian
Email:	ashley.giovengo@wescominc.com	Due Date:	02/02/23 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes
13. If no visible ice, record the temperature. Actual sample temperature: 4°C	

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

Report to:

Ashley Giovengo

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: RDX 17 #002

Work Order: E301146

Job Number: 01058-0007

Received: 1/28/2023

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/3/23

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

Date Reported: 2/3/23

Ashley Giovengo
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: RDX 17 #002
Workorder: E301146
Date Received: 1/28/2023 7:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/28/2023 7:30:00AM, under the Project Name: RDX 17 #002.

The analytical test results summarized in this report with the Project Name: RDX 17 #002 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

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

Field Offices:

Southern New Mexico Area
Lynn Jarboe
Technical Representative/Client Services
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	02/03/23 11:14

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CONF49 - 4'	E301146-01A	Soil	01/26/23	01/28/23	Glass Jar, 2 oz.
CONF50 - 4'	E301146-02A	Soil	01/26/23	01/28/23	Glass Jar, 2 oz.
CONF51 - 4'	E301146-03A	Soil	01/26/23	01/28/23	Glass Jar, 2 oz.
CONF52 - 4'	E301146-04A	Soil	01/26/23	01/28/23	Glass Jar, 2 oz.
CONF54 - 2'	E301146-05A	Soil	01/26/23	01/28/23	Glass Jar, 2 oz.
CONF55 - 2'	E301146-06A	Soil	01/26/23	01/28/23	Glass Jar, 2 oz.
CONF56 - 2'	E301146-07A	Soil	01/26/23	01/28/23	Glass Jar, 2 oz.
CONF60 Wall - 2'	E301146-08A	Soil	01/26/23	01/28/23	Glass Jar, 2 oz.

Sample Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/3/2023 11:14:39AM

CONF49 - 4'

E301146-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2305008
Benzene	ND	0.0250	1	01/30/23	01/30/23	
Ethylbenzene	ND	0.0250	1	01/30/23	01/30/23	
Toluene	ND	0.0250	1	01/30/23	01/30/23	
o-Xylene	ND	0.0250	1	01/30/23	01/30/23	
p,m-Xylene	ND	0.0500	1	01/30/23	01/30/23	
Total Xylenes	ND	0.0250	1	01/30/23	01/30/23	
Surrogate: 4-Bromochlorobenzene-PID		*107 %*	*70-130*	*01/30/23*	*01/30/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2305008
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/23	01/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.7 %*	*70-130*	*01/30/23*	*01/30/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2305005
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/23	01/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/23	01/30/23	
Surrogate: n-Nonane		*99.1 %*	*50-200*	*01/30/23*	*01/30/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2305011
Chloride	**693**	200	10	01/30/23	01/31/23	

Sample Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/3/2023 11:14:39AM

CONF50 - 4'

E301146-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2305008
Benzene	ND	0.0250	1	01/30/23	01/30/23	
Ethylbenzene	ND	0.0250	1	01/30/23	01/30/23	
Toluene	ND	0.0250	1	01/30/23	01/30/23	
o-Xylene	ND	0.0250	1	01/30/23	01/30/23	
p,m-Xylene	ND	0.0500	1	01/30/23	01/30/23	
Total Xylenes	ND	0.0250	1	01/30/23	01/30/23	
Surrogate: 4-Bromochlorobenzene-PID		*107 %*	*70-130*	*01/30/23*	*01/30/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2305008
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/23	01/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*100 %*	*70-130*	*01/30/23*	*01/30/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2305005
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/23	01/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/23	01/30/23	
Surrogate: n-Nonane		*90.6 %*	*50-200*	*01/30/23*	*01/30/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2305011
Chloride	**1450**	200	10	01/30/23	01/31/23	

Sample Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/3/2023 11:14:39AM

CONF51 - 4'

E301146-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2305008
Benzene	ND	0.0250	1	01/30/23	01/30/23	
Ethylbenzene	ND	0.0250	1	01/30/23	01/30/23	
Toluene	ND	0.0250	1	01/30/23	01/30/23	
o-Xylene	ND	0.0250	1	01/30/23	01/30/23	
p,m-Xylene	ND	0.0500	1	01/30/23	01/30/23	
Total Xylenes	ND	0.0250	1	01/30/23	01/30/23	
Surrogate: 4-Bromochlorobenzene-PID		*106 %*	*70-130*	*01/30/23*	*01/30/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2305008
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/23	01/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.2 %*	*70-130*	*01/30/23*	*01/30/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2305005
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/23	01/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/23	01/30/23	
Surrogate: n-Nonane		*95.7 %*	*50-200*	*01/30/23*	*01/30/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2305011
Chloride	**1060**	400	20	01/30/23	01/31/23	

Sample Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/3/2023 11:14:39AM

CONF52 - 4'

E301146-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2305008
Benzene	ND	0.0250	1	01/30/23	01/30/23	
Ethylbenzene	ND	0.0250	1	01/30/23	01/30/23	
Toluene	ND	0.0250	1	01/30/23	01/30/23	
o-Xylene	ND	0.0250	1	01/30/23	01/30/23	
p,m-Xylene	ND	0.0500	1	01/30/23	01/30/23	
Total Xylenes	ND	0.0250	1	01/30/23	01/30/23	
Surrogate: 4-Bromochlorobenzene-PID		*108 %*	*70-130*	*01/30/23*	*01/30/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2305008
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/23	01/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.9 %*	*70-130*	*01/30/23*	*01/30/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2305005
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/23	01/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/23	01/30/23	
Surrogate: n-Nonane		*89.0 %*	*50-200*	*01/30/23*	*01/30/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2305011
Chloride	**644**	400	20	01/30/23	01/31/23	

Sample Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/3/2023 11:14:39AM

CONF54 - 2'

E301146-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2305008
Benzene	ND	0.0250	1	01/30/23	01/30/23	
Ethylbenzene	ND	0.0250	1	01/30/23	01/30/23	
Toluene	ND	0.0250	1	01/30/23	01/30/23	
o-Xylene	ND	0.0250	1	01/30/23	01/30/23	
p,m-Xylene	ND	0.0500	1	01/30/23	01/30/23	
Total Xylenes	ND	0.0250	1	01/30/23	01/30/23	
Surrogate: 4-Bromochlorobenzene-PID		*108 %*	*70-130*	*01/30/23*	*01/30/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2305008
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/23	01/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*98.7 %*	*70-130*	*01/30/23*	*01/30/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2305005
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/23	01/30/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/23	01/30/23	
Surrogate: n-Nonane		*102 %*	*50-200*	*01/30/23*	*01/30/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2305011
Chloride	**414**	20.0	1	01/30/23	01/31/23	

Sample Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/3/2023 11:14:39AM

CONF55 - 2'

E301146-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2305008
Benzene	ND	0.0250	1	01/30/23	01/30/23	
Ethylbenzene	ND	0.0250	1	01/30/23	01/30/23	
Toluene	ND	0.0250	1	01/30/23	01/30/23	
o-Xylene	ND	0.0250	1	01/30/23	01/30/23	
p,m-Xylene	ND	0.0500	1	01/30/23	01/30/23	
Total Xylenes	ND	0.0250	1	01/30/23	01/30/23	
Surrogate: 4-Bromochlorobenzene-PID		*108 %*	*70-130*	*01/30/23*	*01/30/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2305008
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/23	01/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.0 %*	*70-130*	*01/30/23*	*01/30/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2305005
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/23	01/31/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/23	01/31/23	
Surrogate: n-Nonane		*99.2 %*	*50-200*	*01/30/23*	*01/31/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2305011
Chloride	**320**	20.0	1	01/30/23	01/31/23	

Sample Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/3/2023 11:14:39AM

CONF56 - 2'

E301146-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2305008
Benzene	ND	0.0250	1	01/30/23	01/30/23	
Ethylbenzene	ND	0.0250	1	01/30/23	01/30/23	
Toluene	ND	0.0250	1	01/30/23	01/30/23	
o-Xylene	ND	0.0250	1	01/30/23	01/30/23	
p,m-Xylene	ND	0.0500	1	01/30/23	01/30/23	
Total Xylenes	ND	0.0250	1	01/30/23	01/30/23	
Surrogate: 4-Bromochlorobenzene-PID		*109 %*	*70-130*	*01/30/23*	*01/30/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2305008
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/23	01/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.4 %*	*70-130*	*01/30/23*	*01/30/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2305005
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/23	01/31/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/23	01/31/23	
Surrogate: n-Nonane		*94.7 %*	*50-200*	*01/30/23*	*01/31/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2305011
Chloride	**218**	20.0	1	01/30/23	01/31/23	

Sample Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/3/2023 11:14:39AM

CONF60 Wall - 2'

E301146-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: SL			Batch: 2305008
Benzene	ND	0.0250	1	01/30/23	01/30/23	
Ethylbenzene	ND	0.0250	1	01/30/23	01/30/23	
Toluene	ND	0.0250	1	01/30/23	01/30/23	
o-Xylene	ND	0.0250	1	01/30/23	01/30/23	
p,m-Xylene	ND	0.0500	1	01/30/23	01/30/23	
Total Xylenes	ND	0.0250	1	01/30/23	01/30/23	
Surrogate: 4-Bromochlorobenzene-PID		*109 %*	*70-130*	*01/30/23*	*01/30/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: SL			Batch: 2305008
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/23	01/30/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.3 %*	*70-130*	*01/30/23*	*01/30/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2305005
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/23	01/31/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/23	01/31/23	
Surrogate: n-Nonane		*100 %*	*50-200*	*01/30/23*	*01/31/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2305011
Chloride	ND	400	20	01/30/23	01/31/23	

QC Summary Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/3/2023 11:14:39AM

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2305008-BLK1)									Prepared: 01/30/23 Analyzed: 01/30/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*8.68*		*8.00*		*108*	*70-130*			
LCS (2305008-BS1)									Prepared: 01/30/23 Analyzed: 01/30/23
Benzene	4.84	0.0250	5.00		96.8	70-130			
Ethylbenzene	4.78	0.0250	5.00		95.7	70-130			
Toluene	4.92	0.0250	5.00		98.3	70-130			
o-Xylene	4.93	0.0250	5.00		98.6	70-130			
p,m-Xylene	9.70	0.0500	10.0		97.0	70-130			
Total Xylenes	14.6	0.0250	15.0		97.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.66*		*8.00*		*108*	*70-130*			
Matrix Spike (2305008-MS1)				**Source: E301146-04**					Prepared: 01/30/23 Analyzed: 01/30/23
Benzene	4.98	0.0250	5.00	ND	99.6	54-133			
Ethylbenzene	4.92	0.0250	5.00	ND	98.4	61-133			
Toluene	5.05	0.0250	5.00	ND	101	61-130			
o-Xylene	5.07	0.0250	5.00	ND	101	63-131			
p,m-Xylene	9.97	0.0500	10.0	ND	99.7	63-131			
Total Xylenes	15.0	0.0250	15.0	ND	100	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*8.57*		*8.00*		*107*	*70-130*			
Matrix Spike Dup (2305008-MSD1)				**Source: E301146-04**					Prepared: 01/30/23 Analyzed: 01/30/23
Benzene	4.98	0.0250	5.00	ND	99.6	54-133	0.0341	20	
Ethylbenzene	4.91	0.0250	5.00	ND	98.3	61-133	0.0804	20	
Toluene	5.05	0.0250	5.00	ND	101	61-130	0.00791	20	
o-Xylene	5.06	0.0250	5.00	ND	101	63-131	0.198	20	
p,m-Xylene	9.97	0.0500	10.0	ND	99.6	63-131	0.0913	20	
Total Xylenes	15.0	0.0250	15.0	ND	100	63-131	0.127	20	
Surrogate: 4-Bromochlorobenzene-PID	*8.53*		*8.00*		*107*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/3/2023 11:14:39AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2305008-BLK1)									Prepared: 01/30/23 Analyzed: 01/30/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.80*		*8.00*		*97.5*	*70-130*			
LCS (2305008-BS2)									Prepared: 01/30/23 Analyzed: 01/30/23
Gasoline Range Organics (C6-C10)	45.0	20.0	50.0		90.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.86*		*8.00*		*98.2*	*70-130*			
Matrix Spike (2305008-MS2)				**Source: E301146-04**					Prepared: 01/30/23 Analyzed: 01/30/23
Gasoline Range Organics (C6-C10)	56.2	20.0	50.0	ND	112	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.83*		*8.00*		*97.9*	*70-130*			
Matrix Spike Dup (2305008-MSD2)				**Source: E301146-04**					Prepared: 01/30/23 Analyzed: 01/30/23
Gasoline Range Organics (C6-C10)	45.0	20.0	50.0	ND	90.0	70-130	22.2	20	R3
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.82*		*8.00*		*97.7*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/3/2023 11:14:39AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2305005-BLK1)									Prepared: 01/30/23 Analyzed: 01/30/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*50.0*		*50.0*		*100*	*50-200*			
LCS (2305005-BS1)									Prepared: 01/30/23 Analyzed: 01/30/23
Diesel Range Organics (C10-C28)	234	25.0	250		93.8	38-132			
Surrogate: n-Nonane	*49.8*		*50.0*		*99.7*	*50-200*			
Matrix Spike (2305005-MS1)				**Source: E301146-04**					Prepared: 01/30/23 Analyzed: 01/30/23
Diesel Range Organics (C10-C28)	229	25.0	250	ND	91.7	38-132			
Surrogate: n-Nonane	*43.9*		*50.0*		*87.8*	*50-200*			
Matrix Spike Dup (2305005-MSD1)				**Source: E301146-04**					Prepared: 01/30/23 Analyzed: 01/30/23
Diesel Range Organics (C10-C28)	233	25.0	250	ND	93.0	38-132	1.46	20	
Surrogate: n-Nonane	*49.2*		*50.0*		*98.5*	*50-200*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/3/2023 11:14:39AM

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2305011-BLK1)									Prepared: 01/30/23 Analyzed: 01/31/23
Chloride	ND	20.0							
LCS (2305011-BS1)									Prepared: 01/30/23 Analyzed: 01/31/23
Chloride	260	20.0	250		104	90-110			
Matrix Spike (2305011-MS1)				**Source: E301146-01**					Prepared: 01/30/23 Analyzed: 01/31/23
Chloride	889	200	250	693	78.6	80-120			M2
Matrix Spike Dup (2305011-MSD1)				**Source: E301146-01**					Prepared: 01/30/23 Analyzed: 01/31/23
Chloride	912	200	250	693	87.5	80-120	2.48	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:	RDX 17 #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	02/03/23 11:14

M2	Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.
R3	The RPD exceeded the acceptance limit. LCS spike recovery met acceptance criteria.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite

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

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

Project Information | Chain of Custody | Page 1 of 1

Client: Devon	
Project: RDX 17 #002	
Project Manager: Ashley Giovengo	
Address: 1224 Standpipe Rd	
City, State, Zip: Carlsbad, NM 88220	
Phone: 505-382-1211	
Email: ashley.giovengo@wescominc.com	
Report due by:	

Bill To

Attention: Jim Raley	
Address: 5315 Buena Vista Dr	
City, State, Zip: Calsbad, NM 88220	
Phone: 575-689-7597	
Email: jim.raley@dvn.com	

Lab Use Only

Lab WO#	Job Number
E301146	01058-0007

TAT

1D	2D	3D	Standard
			x

EPA Program

CWA	SDWA	RCRA

State

NM	CO	UT	AZ	TX	
x					

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM	BGDOC TX			Remarks
						Analysis and Method												
14:50	1/26/23	Soil	1 Jar	CONF49 - 4'	1									X				
14:51	1/26/23	Soil	1 Jar	CONF50 - 4'	2									X				
14:52	1/26/23	Soil	1 Jar	CONF51 - 4'	3									X				
14:55	1/26/23	Soil	1 Jar	CONF52 - 4'	4									X				
13:10	1/26/23	Soil	1 Jar	CONF54 - 2'	5									X				
13:12	1/26/23	Soil	1 Jar	CONF55 - 2'	6									X				
13:14	1/26/23	Soil	1 Jar	CONF56 - 2'	7									X				
14:24	1/26/23	Soil	1 Jar	CONF60 Wall - 2'	8									X				

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

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	1/27/23	09:17am	Michelle Gaye	1-27-23	9:17
Michelle Gaye	1-27-23	2100	Irene Hill	01-28-23	7.30

Lab Use Only

Received on ice: (Y) / N

T1 _____ T2 _____ T3 _____

AVG Temp °C 4.0

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

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

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

envirotech

Envirotech Analytical Laboratory

Printed: 1/28/2023 1:07:15PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Devon Energy - Carlsbad	Date Received:	01/28/23 07:30	Work Order ID:	E301146
Phone:	(505) 382-1211	Date Logged In:	01/28/23 13:00	Logged In By:	Alexa Michaels
Email:	ashley.giovengo@wescominc.com	Due Date:	02/03/23 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes
13. If no visible ice, record the temperature. Actual sample temperature: 4°C	

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

Report to:

Ashley Giovengo

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: RDX 17 #002

Work Order: E301156

Job Number: 01058-0007

Received: 1/31/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/6/23

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

Date Reported: 2/6/23

Ashley Giovengo
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: RDX 17 #002
Workorder: E301156
Date Received: 1/31/2023 8:15:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/31/2023 8:15:00AM, under the Project Name: RDX 17 #002.

The analytical test results summarized in this report with the Project Name: RDX 17 #002 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

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

Field Offices:

Southern New Mexico Area
Lynn Jarboe
Technical Representative/Client Services
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	02/06/23 08:23

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS01 - 18'	E301156-01A	Soil	01/27/23	01/31/23	Glass Jar, 2 oz.
SS02 - 17.5'	E301156-02A	Soil	01/27/23	01/31/23	Glass Jar, 2 oz.

Sample Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/6/2023 8:23:42AM

SS01 - 18'

E301156-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2305029
Benzene	ND	0.0250	1	01/30/23	02/01/23	
Ethylbenzene	ND	0.0250	1	01/30/23	02/01/23	
Toluene	ND	0.0250	1	01/30/23	02/01/23	
o-Xylene	ND	0.0250	1	01/30/23	02/01/23	
p,m-Xylene	ND	0.0500	1	01/30/23	02/01/23	
Total Xylenes	ND	0.0250	1	01/30/23	02/01/23	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*01/30/23*	*02/01/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2305029
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/23	02/01/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.2 %*	*70-130*	*01/30/23*	*02/01/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2305027
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/23	01/31/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/23	01/31/23	
Surrogate: n-Nonane		*76.4 %*	*50-200*	*01/30/23*	*01/31/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2305033
Chloride	**1170**	20.0	1	01/31/23	02/01/23	

Sample Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/6/2023 8:23:42AM

SS02 - 17.5'

E301156-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2305029
Benzene	ND	0.0250	1	01/30/23	02/01/23	
Ethylbenzene	ND	0.0250	1	01/30/23	02/01/23	
Toluene	ND	0.0250	1	01/30/23	02/01/23	
o-Xylene	ND	0.0250	1	01/30/23	02/01/23	
p,m-Xylene	ND	0.0500	1	01/30/23	02/01/23	
Total Xylenes	ND	0.0250	1	01/30/23	02/01/23	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*01/30/23*	*02/01/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2305029
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/30/23	02/01/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.3 %*	*70-130*	*01/30/23*	*02/01/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2305027
Diesel Range Organics (C10-C28)	ND	25.0	1	01/30/23	01/31/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/30/23	01/31/23	
Surrogate: n-Nonane		*75.2 %*	*50-200*	*01/30/23*	*01/31/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2305033
Chloride	**4280**	20.0	1	01/31/23	02/01/23	

QC Summary Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/6/2023 8:23:42AM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2305029-BLK1)									Prepared: 01/30/23 Analyzed: 02/01/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.94*		*8.00*		*99.2*	*70-130*			
LCS (2305029-BS1)									Prepared: 01/30/23 Analyzed: 02/01/23
Benzene	4.53	0.0250	5.00		90.6	70-130			
Ethylbenzene	4.59	0.0250	5.00		91.8	70-130			
Toluene	4.69	0.0250	5.00		93.9	70-130			
o-Xylene	4.73	0.0250	5.00		94.6	70-130			
p,m-Xylene	9.32	0.0500	10.0		93.2	70-130			
Total Xylenes	14.1	0.0250	15.0		93.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.95*		*8.00*		*99.4*	*70-130*			
Matrix Spike (2305029-MS1)				**Source: E301156-01**					Prepared: 01/30/23 Analyzed: 02/01/23
Benzene	4.55	0.0250	5.00	ND	91.0	54-133			
Ethylbenzene	4.60	0.0250	5.00	ND	91.9	61-133			
Toluene	4.71	0.0250	5.00	ND	94.2	61-130			
o-Xylene	4.73	0.0250	5.00	ND	94.6	63-131			
p,m-Xylene	9.32	0.0500	10.0	ND	93.2	63-131			
Total Xylenes	14.0	0.0250	15.0	ND	93.6	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*8.16*		*8.00*		*102*	*70-130*			
Matrix Spike Dup (2305029-MSD1)				**Source: E301156-01**					Prepared: 01/30/23 Analyzed: 02/01/23
Benzene	5.09	0.0250	5.00	ND	102	54-133	11.2	20	
Ethylbenzene	5.16	0.0250	5.00	ND	103	61-133	11.6	20	
Toluene	5.28	0.0250	5.00	ND	106	61-130	11.5	20	
o-Xylene	5.32	0.0250	5.00	ND	106	63-131	11.7	20	
p,m-Xylene	10.5	0.0500	10.0	ND	105	63-131	11.6	20	
Total Xylenes	15.8	0.0250	15.0	ND	105	63-131	11.6	20	
Surrogate: 4-Bromochlorobenzene-PID	*8.05*		*8.00*		*101*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/6/2023 8:23:42AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2305029-BLK1)									Prepared: 01/30/23 Analyzed: 02/01/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.47*		*8.00*		*93.3*	*70-130*			
LCS (2305029-BS2)									Prepared: 01/30/23 Analyzed: 02/01/23
Gasoline Range Organics (C6-C10)	46.3	20.0	50.0		92.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.26*		*8.00*		*90.7*	*70-130*			
Matrix Spike (2305029-MS2)				**Source: E301156-01**					Prepared: 01/30/23 Analyzed: 02/02/23
Gasoline Range Organics (C6-C10)	50.2	20.0	50.0	ND	100	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.24*		*8.00*		*90.4*	*70-130*			
Matrix Spike Dup (2305029-MSD2)				**Source: E301156-01**					Prepared: 01/30/23 Analyzed: 02/01/23
Gasoline Range Organics (C6-C10)	48.7	20.0	50.0	ND	97.3	70-130	3.12	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.19*		*8.00*		*89.9*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/6/2023 8:23:42AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2305027-BLK1)									Prepared: 01/30/23 Analyzed: 01/31/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*40.1*		*50.0*		*80.2*	*50-200*			
LCS (2305027-BS1)									Prepared: 01/30/23 Analyzed: 01/31/23
Diesel Range Organics (C10-C28)	225	25.0	250		89.9	38-132			
Surrogate: n-Nonane	*40.9*		*50.0*		*81.8*	*50-200*			
Matrix Spike (2305027-MS1)				**Source: E301154-05**					Prepared: 01/30/23 Analyzed: 01/31/23
Diesel Range Organics (C10-C28)	229	25.0	250	ND	91.7	38-132			
Surrogate: n-Nonane	*40.9*		*50.0*		*81.7*	*50-200*			
Matrix Spike Dup (2305027-MSD1)				**Source: E301154-05**					Prepared: 01/30/23 Analyzed: 01/31/23
Diesel Range Organics (C10-C28)	229	25.0	250	ND	91.6	38-132	0.135	20	
Surrogate: n-Nonane	*39.8*		*50.0*		*79.6*	*50-200*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/6/2023 8:23:42AM

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2305033-BLK1)									Prepared: 01/31/23 Analyzed: 01/31/23
Chloride	ND	20.0							
LCS (2305033-BS1)									Prepared: 01/31/23 Analyzed: 01/31/23
Chloride	250	20.0	250		99.9	90-110			
LCS Dup (2305033-BSD1)									Prepared: 01/31/23 Analyzed: 01/31/23
Chloride	250	20.0	250		100	90-110	0.113	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:	RDX 17 #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	02/06/23 08:23

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

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

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

Project Information | Chain of Custody | Page 1 of 1

Client:	Devon
Project:	RDX 17 #002
Project Manager:	Ashley Giovengo
Address:	1224 Standpipe Rd
City, State, Zip:	Carlsbad, NM 88220
Phone:	505-382-1211
Email:	ashley.giovengo@wescominc.com
Report due by:	

Bill To

Attention:	Jim Raley
Address:	5315 Buena Vista Dr
City, State, Zip:	Calsbad, NM 88220
Phone:	575-689-7597
Email:	jim.raley@dvn.com

Lab Use Only

Lab WO#	Job Number
E301156	01058-0007

TAT

1D	2D	3D	Standard
			x

EPA Program

CWA	SDWA	RCRA

State

NM	CO	UT	AZ	TX	
x					

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM	BGDOC TX			Remarks
12:15	1/27/23	Soil	1 Jar	SS01 - 18'	1									X				
12:51	1/27/23	Soil	1 Jar	SS02 - 17.5'	2									X				

Analysis and Method

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

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Jett Wenner	1/30/23	13:31	Michelle Cruz	1-30-23	1331
Michelle Cruz	1-30-23	1730	[illegible]	1-30-23	1730
Lorenzo Lei	1-30-23	2315	Caitlin Chatt	1/31/23	8:15

Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
AVG Temp °C 4

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

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

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

envirotech

Envirotech Analytical Laboratory

Printed: 1/31/2023 9:20:56AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Devon Energy - Carlsbad	Date Received:	01/31/23 08:15	Work Order ID:	E301156
Phone:	(505) 382-1211	Date Logged In:	01/30/23 16:03	Logged In By:	Caitlin Christian
Email:	ashley.giovengo@wescominc.com	Due Date:	02/06/23 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

Report to:

Ashley Giovengo

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: RDX 17 #002

Work Order: E302072

Job Number: 01058-0007

Received: 2/15/2023

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
2/20/23

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: 2/20/23

Ashley Giovengo
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: RDX 17 #002
Workorder: E302072
Date Received: 2/15/2023 7:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/15/2023 7:30:00AM, under the Project Name: RDX 17 #002.

The analytical test results summarized in this report with the Project Name: RDX 17 #002 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

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

Field Offices:

Southern New Mexico Area
Lynn Jarboe
Technical Representative/Client Services
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	02/20/23 11:31

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS06A-0'	E302072-01A	Soil	02/13/23	02/15/23	Glass Jar, 2 oz.
CONF27-5.5'	E302072-02A	Soil	02/14/23	02/15/23	Glass Jar, 2 oz.
CONF29-5.5'	E302072-03A	Soil	02/14/23	02/15/23	Glass Jar, 2 oz.
CONF33-5'	E302072-04A	Soil	02/14/23	02/15/23	Glass Jar, 2 oz.
CONF45-1.5'	E302072-05A	Soil	02/14/23	02/15/23	Glass Jar, 2 oz.

Sample Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/20/2023 11:31:51AM

SS06A-0'

E302072-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2307023
Benzene	ND	0.0250	1	02/15/23	02/16/23	
Ethylbenzene	ND	0.0250	1	02/15/23	02/16/23	
Toluene	ND	0.0250	1	02/15/23	02/16/23	
o-Xylene	ND	0.0250	1	02/15/23	02/16/23	
p,m-Xylene	ND	0.0500	1	02/15/23	02/16/23	
Total Xylenes	ND	0.0250	1	02/15/23	02/16/23	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*	*70-130*	*02/15/23*	*02/16/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2307023
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/15/23	02/16/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.2 %*	*70-130*	*02/15/23*	*02/16/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2307029
Diesel Range Organics (C10-C28)	ND	25.0	1	02/16/23	02/16/23	
Oil Range Organics (C28-C36)	ND	50.0	1	02/16/23	02/16/23	
Surrogate: n-Nonane		*101 %*	*50-200*	*02/16/23*	*02/16/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2307027
Chloride	**51.4**	20.0	1	02/15/23	02/15/23	

Sample Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/20/2023 11:31:51AM

CONF27-5.5'

E302072-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2307023
Benzene	ND	0.0250	1	02/15/23	02/16/23	
Ethylbenzene	ND	0.0250	1	02/15/23	02/16/23	
Toluene	ND	0.0250	1	02/15/23	02/16/23	
o-Xylene	ND	0.0250	1	02/15/23	02/16/23	
p,m-Xylene	ND	0.0500	1	02/15/23	02/16/23	
Total Xylenes	ND	0.0250	1	02/15/23	02/16/23	
Surrogate: 4-Bromochlorobenzene-PID		*104 %*	*70-130*	*02/15/23*	*02/16/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2307023
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/15/23	02/16/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.7 %*	*70-130*	*02/15/23*	*02/16/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2307029
Diesel Range Organics (C10-C28)	**210**	25.0	1	02/16/23	02/16/23	
Oil Range Organics (C28-C36)	**189**	50.0	1	02/16/23	02/16/23	
Surrogate: n-Nonane		*106 %*	*50-200*	*02/16/23*	*02/16/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2307027
Chloride	**5110**	400	20	02/15/23	02/15/23	

Sample Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/20/2023 11:31:51AM

CONF29-5.5'

E302072-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2307023
Benzene	ND	0.0250	1	02/15/23	02/17/23	
Ethylbenzene	ND	0.0250	1	02/15/23	02/17/23	
Toluene	**0.0365**	0.0250	1	02/15/23	02/17/23	
o-Xylene	ND	0.0250	1	02/15/23	02/17/23	
p,m-Xylene	**0.0801**	0.0500	1	02/15/23	02/17/23	
Total Xylenes	**0.0801**	0.0250	1	02/15/23	02/17/23	
Surrogate: 4-Bromochlorobenzene-PID		*99.2 %*	*70-130*	*02/15/23*	*02/17/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2307023
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/15/23	02/17/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.0 %*	*70-130*	*02/15/23*	*02/17/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2307029
Diesel Range Organics (C10-C28)	**98.7**	25.0	1	02/16/23	02/16/23	
Oil Range Organics (C28-C36)	**126**	50.0	1	02/16/23	02/16/23	
Surrogate: n-Nonane		*99.9 %*	*50-200*	*02/16/23*	*02/16/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2307027
Chloride	**3880**	400	20	02/15/23	02/15/23	

Sample Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/20/2023 11:31:51AM

CONF33-5'

E302072-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2307023
Benzene	ND	0.0250	1	02/15/23	02/17/23	
Ethylbenzene	ND	0.0250	1	02/15/23	02/17/23	
Toluene	ND	0.0250	1	02/15/23	02/17/23	
o-Xylene	ND	0.0250	1	02/15/23	02/17/23	
p,m-Xylene	ND	0.0500	1	02/15/23	02/17/23	
Total Xylenes	ND	0.0250	1	02/15/23	02/17/23	
Surrogate: 4-Bromochlorobenzene-PID		*99.4 %*	*70-130*	*02/15/23*	*02/17/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2307023
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/15/23	02/17/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.6 %*	*70-130*	*02/15/23*	*02/17/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2307029
Diesel Range Organics (C10-C28)	ND	25.0	1	02/16/23	02/16/23	
Oil Range Organics (C28-C36)	ND	50.0	1	02/16/23	02/16/23	
Surrogate: n-Nonane		*102 %*	*50-200*	*02/16/23*	*02/16/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2307027
Chloride	**1990**	400	20	02/15/23	02/15/23	

Sample Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/20/2023 11:31:51AM

CONF45-1.5'

E302072-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2307023
Benzene	ND	0.0250	1	02/15/23	02/17/23	
Ethylbenzene	ND	0.0250	1	02/15/23	02/17/23	
Toluene	ND	0.0250	1	02/15/23	02/17/23	
o-Xylene	ND	0.0250	1	02/15/23	02/17/23	
p,m-Xylene	ND	0.0500	1	02/15/23	02/17/23	
Total Xylenes	ND	0.0250	1	02/15/23	02/17/23	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*02/15/23*	*02/17/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2307023
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/15/23	02/17/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.1 %*	*70-130*	*02/15/23*	*02/17/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS			Batch: 2307029
Diesel Range Organics (C10-C28)	ND	25.0	1	02/16/23	02/16/23	
Oil Range Organics (C28-C36)	ND	50.0	1	02/16/23	02/16/23	
Surrogate: n-Nonane		*101 %*	*50-200*	*02/16/23*	*02/16/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2307027
Chloride	**466**	200	10	02/15/23	02/15/23	

QC Summary Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/20/2023 11:31:51AM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2307023-BLK1)									Prepared: 02/15/23 Analyzed: 02/16/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.98*		*8.00*		*99.7*	*70-130*			
LCS (2307023-BS1)									Prepared: 02/15/23 Analyzed: 02/16/23
Benzene	4.79	0.0250	5.00		95.9	70-130			
Ethylbenzene	4.90	0.0250	5.00		98.0	70-130			
Toluene	4.99	0.0250	5.00		99.9	70-130			
o-Xylene	5.03	0.0250	5.00		101	70-130			
p,m-Xylene	9.95	0.0500	10.0		99.5	70-130			
Total Xylenes	15.0	0.0250	15.0		99.8	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.30*		*8.00*		*104*	*70-130*			
Matrix Spike (2307023-MS1)				**Source: E302072-01**					Prepared: 02/15/23 Analyzed: 02/16/23
Benzene	4.58	0.0250	5.00	ND	91.6	54-133			
Ethylbenzene	4.62	0.0250	5.00	ND	92.5	61-133			
Toluene	4.74	0.0250	5.00	ND	94.8	61-130			
o-Xylene	4.76	0.0250	5.00	ND	95.3	63-131			
p,m-Xylene	9.36	0.0500	10.0	ND	93.6	63-131			
Total Xylenes	14.1	0.0250	15.0	ND	94.1	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*8.25*		*8.00*		*103*	*70-130*			
Matrix Spike Dup (2307023-MSD1)				**Source: E302072-01**					Prepared: 02/15/23 Analyzed: 02/16/23
Benzene	4.75	0.0250	5.00	ND	95.0	54-133	3.61	20	
Ethylbenzene	4.83	0.0250	5.00	ND	96.7	61-133	4.44	20	
Toluene	4.93	0.0250	5.00	ND	98.6	61-130	3.94	20	
o-Xylene	4.96	0.0250	5.00	ND	99.3	63-131	4.11	20	
p,m-Xylene	9.79	0.0500	10.0	ND	97.9	63-131	4.54	20	
Total Xylenes	14.8	0.0250	15.0	ND	98.4	63-131	4.40	20	
Surrogate: 4-Bromochlorobenzene-PID	*8.31*		*8.00*		*104*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/20/2023 11:31:51AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2307023-BLK1)									Prepared: 02/15/23 Analyzed: 02/16/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.61*		*8.00*		*95.2*	*70-130*			
LCS (2307023-BS2)									Prepared: 02/15/23 Analyzed: 02/16/23
Gasoline Range Organics (C6-C10)	43.6	20.0	50.0		87.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.64*		*8.00*		*95.5*	*70-130*			
Matrix Spike (2307023-MS2)				**Source: E302072-01**					Prepared: 02/15/23 Analyzed: 02/17/23
Gasoline Range Organics (C6-C10)	45.5	20.0	50.0	ND	91.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.53*		*8.00*		*94.2*	*70-130*			
Matrix Spike Dup (2307023-MSD2)				**Source: E302072-01**					Prepared: 02/15/23 Analyzed: 02/16/23
Gasoline Range Organics (C6-C10)	43.0	20.0	50.0	ND	86.1	70-130	5.60	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.57*		*8.00*		*94.6*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/20/2023 11:31:51AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2307029-BLK1)									Prepared: 02/16/23 Analyzed: 02/16/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*58.4*		*50.0*		*117*	*50-200*			
LCS (2307029-BS1)									Prepared: 02/16/23 Analyzed: 02/16/23
Diesel Range Organics (C10-C28)	208	25.0	250		83.4	38-132			
Surrogate: n-Nonane	*52.7*		*50.0*		*105*	*50-200*			
Matrix Spike (2307029-MS1)				**Source: E302072-01**					Prepared: 02/16/23 Analyzed: 02/16/23
Diesel Range Organics (C10-C28)	212	25.0	250	ND	84.9	38-132			
Surrogate: n-Nonane	*49.0*		*50.0*		*97.9*	*50-200*			
Matrix Spike Dup (2307029-MSD1)				**Source: E302072-01**					Prepared: 02/16/23 Analyzed: 02/16/23
Diesel Range Organics (C10-C28)	200	25.0	250	ND	79.9	38-132	6.09	20	
Surrogate: n-Nonane	*47.0*		*50.0*		*93.9*	*50-200*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	RDX 17 #002	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/20/2023 11:31:51AM

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2307027-BLK1)									Prepared: 02/15/23 Analyzed: 02/15/23
Chloride	ND	20.0							
LCS (2307027-BS1)									Prepared: 02/15/23 Analyzed: 02/15/23
Chloride	259	20.0	250		104	90-110			
Matrix Spike (2307027-MS1)				**Source: E302072-01**					Prepared: 02/15/23 Analyzed: 02/15/23
Chloride	303	20.0	250	51.4	101	80-120			
Matrix Spike Dup (2307027-MSD1)				**Source: E302072-01**					Prepared: 02/15/23 Analyzed: 02/15/23
Chloride	310	20.0	250	51.4	104	80-120	2.41	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:	RDX 17 #002	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	02/20/23 11:31

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

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

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

Project Information | Chain of Custody | Page 1 of 1

Client:	Devon
Project:	RDX 17 #002
Project Manager:	Ashley Giovengo
Address:	1224 Standpipe Rd.
City, State, Zip	Carlsbad NM 88220
Phone:	505-382-1211
Email:	ashley.giovengo@wescominc.com
Report due by:	

Bill To

Attention:	Jim Raley
Address:	5315 Buena Vista Dr
City, State, Zip	Carlsbad NM 88220
Phone:	575-689-7597
Email:	jim.raley@dvn.com

Lab Use Only

Lab WO#	Job Number
E302072	01056-0007

TAT

1D	2D	3D	Standard
			X

EPA Program

CWA	SDWA	RCRA

State

NM	CO	UT	AZ	TX	
X					

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM	BGDOC TX			Remarks
945	2/13/23	Soil	1 Jar	SS06A - 0'	1									X				
841	2/14/23	Soil	1 Jar	CONF 27 - 5.5'	2									X				
846	2/14/23	Soil	1 Jar	CONF 29 - 5.5'	3									X				
850	2/14/23	Soil	1 Jar	CONF 33 - 5'	4									X				
837	2/14/23	Soil	1 Jar	CONF 45 - 1.5'	5									X				

Additional Instructions: Kept on ice Please cc: cole.burton@wescominc.com, jim.raley@dvn.com ashley.giovengo@wescominc.com

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	2-14-2023	11:44	Michelle Cuy	2-14-23	11:44
Michelle Cuy	2-14-23	1630	Lorenzo Lei	2-14-23	1630
Lorenzo Lei	2-14-23	2215	[illegible]	02/15/23	7:30

Lab Use Only
Received on ice: (Y) / N
T1 T2 T3
AVG Temp °C 4.0

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

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

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

envirotech

Envirotech Analytical Laboratory

Printed: 2/15/2023 9:53:53AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Devon Energy - Carlsbad	Date Received:	02/15/23 07:30	Work Order ID:	E302072
Phone:	(505) 382-1211	Date Logged In:	02/15/23 09:48	Logged In By:	Alexa Michaels
Email:	ashley.giovengo@wescominc.com	Due Date:	02/21/23 07:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Courier
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

ATTACHMENT F

48-Hour Confirmation Sampling Notification Emails

From: Cole Burton
To: OCD. Enviro (ocd.enviro@emnrd.nm.gov)
Cc: Raley, Jim; Joey Croce; Ashley Giovengo; Shar Harvester; Cody York
Subject: RE: 48-Hour Confirmation Sample Notice - RDX 17 #002 (nAPP2229038558)
Date: Monday, January 23, 2023 5:24:00 PM

Hello All,

We intend to take confirmation samples at the RDX 17 #002 (nAPP2229038558) starting on Wednesday (1/25/23) through Friday (1/27/23).

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

Thanks,

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

From: Cole Burton
Sent: Monday, January 16, 2023 8:49 AM
To: OCD. Enviro (ocd.enviro@emnrd.nm.gov) <ocd.enviro@emnrd.nm.gov>
Cc: Raley, Jim <jim.raley@dvn.com>; Joey Croce <Joey.Croce@WescomInc.com>; Ashley Giovengo <ashley.giovengo@wescominc.com>; Shar Harvester <Shar.Harvester@WescomInc.com>; Cody York <cody.york@wescominc.com>
Subject: 48-Hour Confirmation Sample Notice - RDX 17 #002 (nAPP2229038558)

Hello All,

We intend to take confirmation samples at the RDX 17 #002 (nAPP2229038558) starting on Wednesday (1/18/23) through Friday (1/20/23).

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

Thanks,

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

From: Cole Burton
To: OCD. Enviro (ocd.enviro@emnrd.nm.gov)
Cc: Ashley Giovengo; Shar Harvester; Cody York; Raley, Jim; Joey Croce
Subject: 48-Hour Confirmation Sample Notice - RDX 17 #002 (nAPP2229038558)
Date: Friday, February 10, 2023 7:10:00 AM

Hello All,

We intend to take confirmation samples at the RDX 17 #002 (nAPP2229038558) starting on Tuesday (2/14/23).

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

Thanks,

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

ATTACHMENT G

Extension Request

Ashley Giovengo

From: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Sent: Thursday, December 15, 2022 1:37 PM
To: Raley, Jim
Cc: Ashley Giovengo; Cole Burton; Bratcher, Michael, EMNRD; Nobui, Jennifer, EMNRD; Harimon, Jocelyn, EMNRD
Subject: (Extension Approval) RDX 17-2H - nAPP2229038558

Follow Up Flag: Follow up
Flag Status: Flagged

RE: Incident #**NAPP2229038558**

Jim,

Your request for an extension to **April 13th, 2023** is approved. Please include this e-mail correspondence in the remediation and/or closure report.

Robert Hamlet ● Environmental Specialist - Advanced
Environmental Bureau
EMNRD - Oil Conservation Division
506 W. Texas Ave.| Artesia, NM 88210
575.909.0302 | robert.hamlet@state.nm.us
http://www.emnrd.state.nm.us/OCD/

From: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Sent: Thursday, December 15, 2022 1:20 PM
To: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Subject: FW: [EXTERNAL] RDX 17-2H Extension Request - nAPP2229038558

Jocelyn Harimon ● Environmental Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
1220 South St. Francis Drive | Santa Fe, NM 87505
(505)469-2821 | Jocelyn.Harimon@emnrd.nm.gov
http:// **www.emnrd.nm.gov**

From: Raley, Jim <Jim.Raley@dvn.com>
Sent: Thursday, December 15, 2022 12:44 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Ashley Giovengo <ashley.giovengo@wescominc.com>; Cole Burton <cole.burton@wescominc.com>
Subject: [EXTERNAL] RDX 17-2H Extension Request - nAPP2229038558

NMOCD Staff,
WPX Energy is requesting and extension for Incident nAPP2229038558. This was a major release that occurred 10/15/2022 in which a tank battery caught fire due to a lightning strike, completely destroying the battery (18bbls Oil/439bbls released, 0 recovered). This fire led to the well plug and abandonment, as the expense to rebuild was not justified. Burned tanks and equipment had to be removed from the location and the site prepared before we were able to begin site assessment and prepare for remediation. The site has several feet of hard caliche which will require specialized excavation equipment to complete remediation. A bid walk was conducted today 12/15/2022 to allow contractors to propose pricing for this specialized excavation. We plan on starting the excavation immediately after the New Year.

All free liquids and obviously impacted soils have been removed from the location. A berm has been placed around the entire location to prevent any runoff, should we receive precipitation.

With the delays imposed by equipment removal, plugging of the well and difficult excavation conditions; WPX asks for a 90 day extension from the current deadline, extending to April, 13th 2023.

Jim Raley | Environmental Professional - Permian Basin
5315 Buena Vista Dr., Carlsbad, NM 88220
C: (575)689-7597 | jim.raley@dvn.com

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

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

CONDITIONS

Action 199182

CONDITIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 199182
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your closure report and final C-141 for Incident #NAPP2229038558 RDX 17 #002, thank you. This closure is approved.	8/2/2023