# E NSOLUM

October 31, 2023

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

#### Re: Closure Request Addendum North Brush Draw Federal 35 #012H Incident Numbers nAPP2232043831 & nAPP2302534751 Eddy County, New Mexico

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of WPX Energy Permian, LLC. (WPX), has prepared this *Closure Request Addendum* to document additional soil sampling activities at the North Brushy Draw Federal 35 #012H (Site) (Figure 1). On April 12, 2023, A *Closure Request* (CR), authored by Wescom, Inc. (Wescom), was submitted to the New Mexico Oil Conservation Division (NMOCD) for the releases associated with Incident Numbers nAPP2232043831 & nAPP2302534751; however, the request was denied by the NMOCD. The original CR and other supporting documents can be viewed on the NMOCD web portal.

The purpose of this *Closure Request Report Addendum* (CRRA) is to address concerns by NMOCD regarding sidewall sampling near the edge of the secondary containment. Based on field observations, field screening activities, and laboratory analytical results from soil sampling events, WPX is requesting Closure for Incident Numbers nAPP2232043831 & nAPP2302534751.

#### SITE DESCRIPTION AND RELEASE SUMMARY

The Site is located in Unit O, Section 35, Township 25 South, Range 29 East, Eddy County, New Mexico (32.079725°, -103.9516162°) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM).

On November 16, 2022, a water line developed a leak, resulting in the release of 32 barrels (bbls) of produced water into a lined secondary containment and 1 bbl to the pad surface; approximately 31 bbls were recovered from inside containment. WPX reported the release to NMOCD on a Release Notification Form C-141 (Form C-141) on November 16, 2022. The release was assigned Incident Number nAPP2232043831.

On January 23, 2023, a thermowell on a separator failed, resulting in the release of 25 bbls of produced water into a lined secondary containment and 1 bbl to the pad surface; approximately 25 bbls were recovered from inside containment. WPX reported the release to NMOCD on a Form C-141 on January 25, 2023. The release was assigned Incident Number nAPP2302534751.

## SITE CHARACTERIZATION AND CLOSURE CRITERIA

The Site was characterized to assess the applicability of Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29, (19.15.29) of the New Mexico Administrative Code (NMAC). Results from the characterization desktop review are presented on page 3 of Form C-141, Site Assessment/Characterization included in Appendix A.

The closest permitted groundwater well with depth to groundwater data is WPX well MW-1, associated with North Brushy Draw Federal 35 #010H, with a depth to groundwater measurement greater than 105 feet below ground surface (bgs). The well is located on Site and the most recent documented water level measurement was collected on December 16, 2020. All wells used for depth to groundwater determination are depicted on Figure 1 and the referenced well records are included in Appendix B.

The closest continuously flowing or significant watercourse to the Site is an unnamed dry wash, located approximately 312 feet South of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (medium potential karst designation area). Site receptors are identified on Figure 1.

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

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

## DELINEATION AND CONFIRMATION SOIL SAMPLING

On September 7, 2023, Ensolum personnel visited the Site to perform additional soil sampling activities and to verify the lateral extent of the release areas. Delineation soil samples SS06 and SS07 were collected from the northeast and northwest corners of the separator containment at ground surface. Delineation soil samples were field screened for chloride using the MOHR titration method. The release extent and soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2. Photographic documentation was collected, and a photographic log is included in Appendix C.

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

A 5-point composite sidewall soil sample (SW01) was collected from an area 200 square feet in size along the southern edge of the separator containment at ground surface. The 5-point composite sidewall sample was collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag

and homogenizing the sample by thoroughly mixing. The sample was handled in the same manner as described above and the location of the confirmation sidewall sample is depicted on Figure 3.

Ensolum personnel returned to the Site on October 18, 2023, to advance a borehole via hand auger in the middle of the first release extent. Borehole sample SS08, was advanced to 2.25 feet bgs to attempt to successfully define the vertical soil of the first release extent. Field screening results and observations for the pothole was logged on a lithologic soil sampling log, which is included in Appendix D.

#### LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for delineation soil samples SS06 and SS07, collected in the immediate area surrounding the Separator containment, indicated all COC concentrations were in compliance with the Site Closure Criteria and with the reclamation requirement.

Laboratory analytical results from confirmation sidewall sample SW01 indicated all COC concentrations were in compliance with the Site Closure Criteria. Laboratory analytical results from borehole sample SS08B indicated all COC concentrations were in compliance with the Site Closure Criteria and with the reclamation requirement at 2 feet bgs. Laboratory analytical results are summarized in Table 1 and the complete laboratory analytical reports are included in Appendix E.

#### **CLOSURE REQUEST**

Site assessment and delineation soil sampling activities were conducted at the Site to assess for the presence or absence of impacted soil resulting from the November 2022 and January 2023 releases of produced water. Laboratory analytical results for soil samples collected around and within the release extent (SS01 through SS04 and SS05A through SS08C) indicated all delineation soil samples were compliant with the Site Closure Criteria and provided lateral and vertical delineation to the strictest Closure Criteria.

Confirmation soil sample CONF01 and confirmation sidewall sample SW01 indicated all COC concentrations were in compliance with the Site Closure Criteria and lateral delineation soil samples SS02 through SS07 verify the releases remained on-pad and do not extend beyond the release extents or the separator containment.

The two produced water releases occurred in lined containment and on pad directly next to active production equipment and flowlines. Assessment activities have confirmed the absence of impacts to soil at the Site. The lateral delineation samples were collected directly outside of the visible release extents were possible (southern and east). Due to the presence of the production equipment to the north, lateral soil samples were collected in appropriate areas to the north and west and added a confirmation sidewall soil sample (SW01) as required by NMOCD to confirm the absence of impacts beneath the production equipment. Impacts do not appear to be beneath the production equipment and as such, deferral of remediation is not required for these two releases. Lastly, reclamation of the well pad will coincide with the plugging and abandonment of the production well, which reduces the transport and disposal of non-impacted caliche to a landfill and requiring additional road traffic and procurement of new caliche, all of which would be more adverse to the environment if completed now and at the time of plugging and abandonment.

Based on the findings and conclusions drawn above and a depth to groundwater greater than 105 feet bgs, WPX believes these Site assessment and delineation activities have been protective of human health, the environment, and groundwater and respectfully requests approval of this *CRRA* for Incident Numbers nAPP2232043831 & nAPP2302534751.

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

Sincerely, Ensolum, LLC

Ashley Giovengo Senior Engineer

Daniel R, Moir, PG Senior Managing Geologist

cc: James Raley, Devon Energy BLM

Appendices:

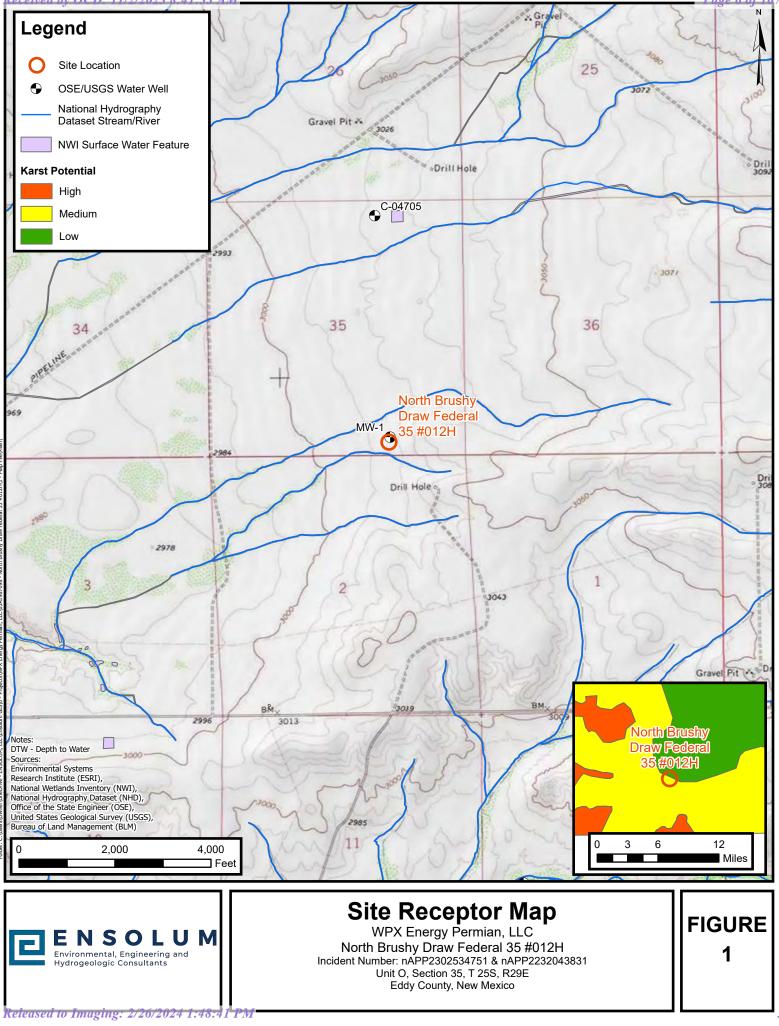
- Figure 1 Site Receptor Map
- Figure 2 Delineation Soil Sample Locations
- Figure 3 Confirmation Soil Sample Locations
- Table 1Soil Sample Analytical Results
- Appendix A Form C-141
- Appendix B Well Record and Log
- Appendix C Photographic Log
- Appendix D Lithologic Soil Sampling Logs
- Appendix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



FIGURES

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#### Received by OCD: 11/2/2023 8:41:33 AM



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# TABLES

.

# E N S O L U M

	TABLE 1         SOIL SAMPLE ANALYTICAL RESULTS         North Brushy Draw Fed 35 #012H         WPX Energy Permain, LLC         Eddy County, New Mexico									
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I	Closure Criteria	(NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	20,000
				Deli	neation Soil Sam	ples		·		
SS01	3/17/2023	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	70.7
SS02	3/17/2023	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	311
SS03	3/17/2023	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	29.3
SS04	3/17/2023	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	32.1
SS05A	3/17/2023	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	561
SS06	9/7/2023	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	136
SS07	9/7/2023	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	38.8
SS08	10/18/2023	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	6,400
SS08A	10/18/2023	1	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	2,790
SS08B	10/18/2023	2	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	580
SS08C	10/18/2023	2.25	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	447
				Conf	irmation Soil Sar	nples	·	·	· 	•
CONF01	3/17/2023	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	6,570
SW01	9/7/2023	0	<0.0250	<0.0250	<20.0	<25.0	<50.0	<50.0	<50.0	2,480

#### Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Grey text represents samples that have been excavated

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

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

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

GRO: Gasoline Range Organics DRO: Diesel Range Organics ORO: Oil Range Organics TPH: Total Petroleum Hydrocarbon BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes



# APPENDIX A

Form C-141

District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 State of New Mexico Energy Minerals and Natural Resources Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised August 24, 2018 Submit to appropriate OCD District office

Incident ID	nAPP2232043831
District RP	
Facility ID	
Application ID	

## **Release Notification**

## **Responsible Party**

Responsible Party WPX Energy Permain, LLC	OGRID 246289
Contact Name Jim Raley	Contact Telephone 575-689-7597
Contact email Jim.Raley@dvn.com	Incident # (assigned by OCD) nAPP2232043831
Contact mailing address 5315 Buena Vista Drive, Carlsbad, NM 88220	

## **Location of Release Source**

Latitude 32.0797257

Longitude <u>-103.9514552</u>

(NAD 83 in decimal degrees to 5 decimal places)

Site Name NORTH BRUSHY DRAW FEDERAL 35 #012H	Site Type Oil Well
Date Release Discovered 11/16/2022	API# (if applicable) 30-015-43603

Unit Letter	Section	Township	Range	County
0	35	25S	29E	Eddy

Surface Owner: State Federal Tribal Private (Name: \_\_\_\_\_

## Nature and Volume of Release

Crude Oil	l(s) Released (Select all that apply and attach calculations or specif Volume Released (bbls)	Volume Recovered (bbls)
Produced Water	Volume Released (bbls) 32	Volume Recovered (bbls) 31
	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)
Small leak in corner of co	line developed leak, allowing for release of approx. 3 ontainment allowed for the release of approx. 1 bbl pr $\frac{ed \ soil \ volume \ (ft^2)}{1(\frac{ft^3}{bbl \ equivalent})} * estimated \ soil \ porosity(\%) + s$	

orm C-141 State of New Mexico			Page decof a		
orm C-141	Oil Conservation Division	Incident ID	nAPP2232043831		
age 2		District RP			
		Facility ID			
		Application ID			
Was this a major release as defined by 19.15.29.7(A) NMAC?	If YES, for what reason(s) does the responsible p Volume exceeded 25 bbls.		1 - ( )0		
	otice given to the OCD? By whom? To whom? Varatcher via email on 11/15/2022.	When and by what means (phone, en	mail, etc)?		

## **Initial Response**

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

 $\boxtimes$  The source of the release has been stopped.

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

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

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 Professional\_\_\_\_\_

Signature: \_\_\_\_\_

email: jim.raley@dvn.com

Date: \_\_11/16/2022\_\_\_\_\_ Telephone: 575-689-7597

OCD Only

\_\_\_\_\_ Received by: \_\_\_

11/16/2022 Date:

Jocelyn Harimon

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

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	159393
	Action Type:
	[C-141] Release Corrective Action (C-141)
CONDITIONS	

#### Created By Condition jharimon None

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CONDITIONS

Action 159393

Condition Date 11/16/2022

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Oil Conservation Division

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Incident ID	nAPP2232043831	
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?	$\frac{105}{\text{bgs}}$ (ft
Did this release impact groundwater or surface water?	-
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ⊠ No ☐ 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?	$\Box \operatorname{Yes} \boxtimes \operatorname{No}$
Are the lateral extents of the release within 300 feet of a wetland?	
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 <b>not</b> on an exploration, development, production, or storage site?	$\Box Yes \boxtimes No$ $\Box Yes \boxtimes No$

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

 $\boxtimes$  Depth to water determination

Determination of water sources and significant watercourses within <sup>1</sup>/<sub>2</sub>-mile of the lateral extents of the release

Boring or excavation logs

Photographs including date and GIS information

- Topographic/Aerial maps
- Laboratory data including chain of custody

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

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		Incident ID	nAPP2232043831
Page 4	Oil Conservation Division	District RP	
		Facility ID	
		Application ID	
regulations all operators are requ public health or the environmen- failed to adequately investigate a addition, OCD acceptance of a C and/or regulations. Printed Name:Jim Raley_	tion given above is true and complete to the best of my kno uired to report and/or file certain release notifications and p it. The acceptance of a C-141 report by the OCD does not r and remediate contamination that pose a threat to groundwa C-141 report does not relieve the operator of responsibility Title:Env Date:1 dvn.com Telephone:575-689	perform corrective actions for rele relieve the operator of liability she ater, surface water, human health for compliance with any other fee vironmental Specialist	ases which may endanger ould their operations have or the environment. In deral, state, or local laws
OCD Only Received by:	Date	e:	

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Oil Conservation Division

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Incident ID	nAPP2232043831	
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.

<b><u>Closure Report Attachment Checklist</u></b> : Each of the following items must be incl	uded 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 integr must be notified 2 days prior to liner inspection)	ity if applicable (Note: appropriate OCD District office
Laboratory analyses of final sampling (Note: appropriate ODC District office m	ust 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 m and regulations all operators are required to report and/or file certain release notification may endanger public health or the environment. The acceptance of a C-141 report by should their operations have failed to adequately investigate and remediate contamina human health or the environment. In addition, OCD acceptance of a C-141 report do compliance with any other federal, state, or local laws and/or regulations. The response restore, reclaim, and re-vegetate the impacted surface area to the conditions that exist accordance with 19.15.29.13 NMAC including notification to the OCD when reclam Printed Name:Jim Raley Title:Envir Signature:jim.raley@dvn.com Telephone:	ons and perform corrective actions for releases which the OCD does not relieve the operator of liability tion that pose a threat to groundwater, surface water, es not relieve the operator of responsibility for sible party acknowledges they must substantially ed prior to the release or their final land use in ation and re-vegetation are complete.
OCD Only	
Closure approval by the OCD does not relieve the responsible party of liability should remediate contamination that poses a threat to groundwater, surface water, human heal party of compliance with any other federal, state, or local laws and/or regulations.	
Closure Approved by: Date: _	
Printed Name: Title:	

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

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Incident ID	nAPP2302534751
District RP	
Facility ID	
Application ID	

#### **Responsible Party**

Responsible Party WPX Energy Permain, LLC	OGRID 246289
Contact Name Jim Raley	Contact Telephone 575-689-7597
Contact email Jim.Raley@dvn.com	Incident # (assigned by OCD) nAPP2302534751
Contact mailing address 5315 Buena Vista Drive, Carlsbad, NM 88220	

## **Location of Release Source**

Latitude <u>32.079725</u>

Longitude <u>-103.9516162</u> (NAD 83 in decimal degrees to 5 decimal places)

Site Name: NORTH BRUSHY DRAW FEDERAL 35 #010H	Site Type Oil Well
Date Release Discovered: 1/23/2023	API# (if applicable) 30-015-43638

Unit Letter	Section	Township	Range	County
0	35	25S	29E	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) 0	Volume Recovered (bbls) 0	
Produced Water	Volume Released (bbls) 26	Volume Recovered (bbls) 25	
	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: Thermowell on the seperator failed allowing the release of approx. 25 bbls of produced water to lined containment and approx. 1 bbl produced water to pad surface from spraying.			

 $bbl \ estimate = \frac{saturated \ soil \ volume \ (ft^{\underline{2}})}{4.21(\frac{ft^{\underline{3}}}{bbl \ equivalent})} * \ estimated \ soil \ porosity(\%) + recovered \ fluids \ (bbl)$ 

<b>Received by O</b>	C <b>D: 11/2/2023</b>	8:41:33 AM		
Form C-141		State	e of New Me	X1CO

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Was this a major release as defined by	If YES, for what reason(s) does the responsible party consider this a major release? Volume exceeded 25 bbls.		
19.15.29.7(A) NMAC?			
🛛 Yes 🗌 No			
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?			
Email to Mike Bratcher a	Email to Mike Bratcher and Rosa Romero on 1/23/2023		

## **Initial Response**

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

 $\boxtimes$  The source of the release has been stopped.

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

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

 $\boxtimes$  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 Professional\_\_\_\_\_

Signature: \_\_\_\_\_\_ Date: \_\_1/25/2023\_\_\_\_\_

email: \_\_\_\_jim.raley@dvn.com\_\_\_\_\_

OCD Only

Received by: \_\_\_\_\_ Jocelyn Harimon \_\_\_\_\_\_ Date: \_\_\_01/25/2023

Telephone: 575-689-7597

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

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	179400
	Action Type:
	[C-141] Release Corrective Action (C-141)

#### CONDITIONS

Created By	Condition	Condition Date
jharimon	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C- 141	1/25/2023

Received by OCD: 11/2/2023 8:41:33 AM Form C-141 State of New Mexico

Page 3

Oil Conservation Division

	Page 21 of 1	07
Incident ID	nAPP2302534751	
District RP		
Facility ID		
Application ID		

## Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>105</u> (ft bgs)
Did this release impact groundwater or surface water?	
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ⊠ No ☐ 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?	$\Box \operatorname{Yes} \boxtimes \operatorname{No}$
Are the lateral extents of the release within 300 feet of a wetland?	
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?	$\square$ Yes $\boxtimes$ No
Are the lateral extents of the release within a 100-year floodplain?	🗌 Yes 🛛 No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	🗌 Yes 🛛 No
	$\Box$ Yes $\boxtimes$ 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

 $\boxtimes$  Depth to water determination

Determination of water sources and significant watercourses within <sup>1</sup>/<sub>2</sub>-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.

Received by OCD: 11/2/20	23 8:41:33 AM State of New Mexico		Page 22 of 107
		Incident ID	nAPP2302534751
Page 4	Oil Conservation Division	District RP	
		Facility ID	
		Application ID	
regulations all operators are public health or the environ failed to adequately investig addition, OCD acceptance of and/or regulations. Printed Name:J Signature:	ormation given above is true and complete to the best of my know         e required to report and/or file certain release notifications and per         ument. The acceptance of a C-141 report by the OCD does not rel         gate and remediate contamination that pose a threat to groundwate         of a C-141 report does not relieve the operator of responsibility fo         lim Raley	form corrective actions for rele lieve the operator of liability she er, surface water, human health or compliance with any other fea al Specialist	eases which may endanger ould their operations have or the environment. In deral, state, or local laws
OCD Only Received by:	Date:		

Page 6

Oil Conservation Division

Incident ID	nAPP2302534751
District RP	
Facility ID	
Application ID	

# Closure

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

Closure Report Attachment Checklist: Each of the following items must be included in the closure report.							
A scaled site and sampling diagram as described in 19.15.29.11 NMAC							
Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)							
Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)							
Description of remediation activities							
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete. Printed Name:Jim Raley Title:Environmental Specialist gignature:jim.raley@dvn.com Telephone:575-689-7597							
OCD Only							
Received by:         Date:							
Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.							
Closure Approved by: Scott Rodgers Date: 02/26/2024							
Printed Name: Scott Rodgers Title: Environmental Specialist Adv.							



# APPENDIX B

Well Record and Log

•

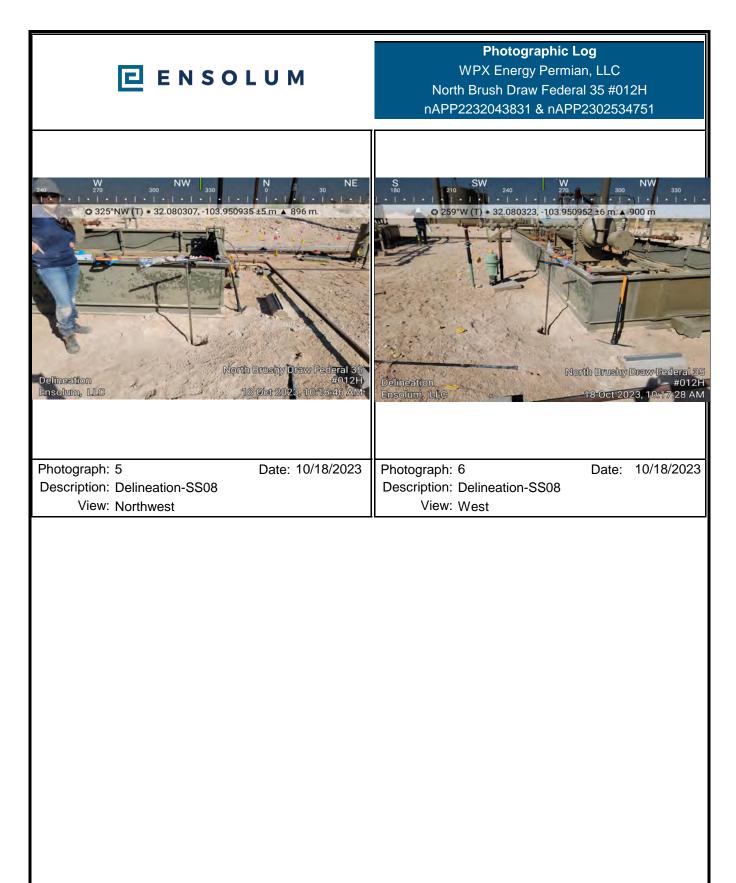
		HR	1						MONITORING W	ELL COMPLETION	N DIAGRAM	
		C O	MPL	IAN	C F		Boring/Wel		W-1	Location: North Brushy Fede	ral 35 # 010H	
SOLUTIONS							Date:			Client:		
Drilling Method: Sampling Method:							12/8/2020 Logged By:			WPX Energy Drilled By:		
Air Rotary None				J. Linn, PG			Talon LPE					
Gravel Pack	k Type: 0/20 San	nd	Gravel Pac	k Depth Inte 3 B	erval: ags		Seal Type: Seal Depth Interval: None None			Latitude: 32.079909		
Casing Type: Diameter:			Depth Inter	val:		Boring Total Depth (ft. BGS):			Longitude:			
PVC Screen Typ	e:	2-inch Slot:		0-100 fe Diameter:	eet bgs	Interval:	105 Well Total Depth (ft. BGS):			-103.951386 Depth to Water (ft. BTOC): DTW Date:		
PVC		0.010-ii	nch	2-inch		105 ft	wen rour		). )5	> 105	12/16/2020	
Depth Interval (ft)	Recovery (ft)	Plasticity	Moisture	Odor	Staining	PID (ppm)	USCS	Sample ID	Litholog	y/Remarks	Well Completion	
0 5 10 15	NM	L	D	N	N	NM	CE	NS	Buff to pale	e pink caliche		
20 25 30 35 40 45 50	NM	L	D	Ν	Ν	NM	SM	NS	Tan to pale	red silty sand		
55 60	NM	М	М	Ν	Ν	NM	ML	NS	Tan to pale red sandy silt with minor medium sand		-	
65	NM	Η	М	N	Ν	NM	CL	NS	Tan clay with	h minor gravel		
70 75 80	NM	L	D	N	N	NM	SP	NS		aded fine sand with or silt		
85	NM	Н	D/SLM	Ν	N	NM	CL	NS		n clay with minor ninor angular gravel		
90 95 100	NM	M/H	М	N	N	NM	CL	NS	with minor mediu	ge sandy lean clay m sand and angular Boring: 105'	-	



APPENDIX C

Photographic Log







# APPENDIX D

Lithologic Soil Sampling Logs

Released to Imaging: 2/26/2024 1:48:41 PM

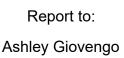
•

								Sample Name: Cole Burton	Date: 10/18/2023
				C				Site Name: North Brushy Draw Fed	
	÷				ΟΙ			Incident Numbers: nAPP23025347	
								Job Number: 03A1987098	
LITHOLOGIC / SOIL SAMPLING LOG						Logged By: Cole Burton Method: Hand Auger			
Coordinates: 32.080330, -103.950934						Hole Diameter: 4" Total Depth: 2.25 Ft.			
Coordinates. 52.060530, -103.950934 Comments: Field screening for chloride conducted by MOHR method titrat									
John									
Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Des	scriptions
D	-	-	Y	SS08	0	L O	CCHE	CCHE. Pad Caliche, ligh stair	ning and light odor.
D	2400	-	Ν	SS08A	1 -	- - - 1 -	ССНЕ	CCHE. Pad Caliche, no staini	ng and no odor.
D	500	-	Ν	SS08B	2 2.25	2 2.25	CCHE	CCHE. Pad Caliche, no staini	ng and no odor.
D	450	-	Ν	SS08C	2.25	2.25 Total Dep	LUHE		<u> </u>



# APPENDIX E

Laboratory Analytical Reports & Chain-of-Custody Documentation





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: N

North Brushy Draw Federal 35 #012H

Work Order: E302084

Job Number: 01058-0007

Received: 2/19/2023

Revision: 2

Report Reviewed By:

Walter Hinchman Laboratory Director 2/27/23

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.

#### Received by OCD: 11/2/2023 8:41:33 AM

Date Reported: 2/27/23

Ashley Giovengo 6488 7 Rivers Hwy Artesia, NM 88210



Page 33 of 107

Project Name: North Brushy Draw Federal 35 #012H Workorder: E302084 Date Received: 2/19/2023 10:15:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/19/2023 10:15:00AM, under the Project Name: North Brushy Draw Federal 35 #012H.

The analytical test results summarized in this report with the Project Name: North Brushy Draw Federal 35 #012H 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

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

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

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

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SS05A - 0'	11
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#### Received by OCD: 11/2/2023 8:41:33 AM

#### **Sample Summary**

		Sample Sum	mai y		
Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210		Project Name: Project Number: Project Manager:	North Brushy Draw 01058-0007 Ashley Giovengo	2H Reported: 02/27/23 15:39	
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BG01 - 0'	E302084-01A	Soil	02/16/23	02/19/23	Glass Jar, 4 oz.
SS01 - 2'	E302084-02A	Soil	02/16/23	02/19/23	Glass Jar, 4 oz.
SS02 - 0'	E302084-03A	Soil	02/16/23	02/19/23	Glass Jar, 4 oz.
SS03 - 0'	E302084-04A	Soil	02/16/23	02/19/23	Glass Jar, 4 oz.
SS04 - 0'	E302084-05A	Soil	02/16/23	02/19/23	Glass Jar, 4 oz.
SS05A - 0'	E302084-06A	Soil	02/16/23	02/19/23	Glass Jar, 4 oz.



.

#### Case Narative:

Project Name: North Brushy Draw Federal 35 #012H Workorder: E302084 Date Received: 02-19-2023

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

Sample Name SS05A-0' Laboratory ID E302084-06A <u>Analysis</u> Anions by EPA 300.0/9056A

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

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

Respectfully,

Walter Hinchman



Page	37	of	<i>107</i>
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Devon Energy - Carlsbad	Project Name:					
6488 7 Rivers Hwy	Project Numbe	er: 010:		Reported:		
Artesia NM, 88210	Project Manag	ger: Ash	ley Giovengo	2/27/2023 3:39:02PM		
		BG01 - 0'				
		E302084-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: SL		Batch: 2308002
Benzene	ND	0.0250	1	02/19/23	02/20/23	
Ethylbenzene	ND	0.0250	1	02/19/23	02/20/23	
Toluene	ND	0.0250	1	02/19/23	02/20/23	
-Xylene	ND	0.0250	1	02/19/23	02/20/23	
o,m-Xylene	ND	0.0500	1	02/19/23	02/20/23	
Total Xylenes	ND	0.0250	1	02/19/23	02/20/23	
urrogate: 4-Bromochlorobenzene-PID		101 %	70-130	02/19/23	02/20/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: SL		Batch: 2308002
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/23	02/20/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		88.4 %	70-130	02/19/23	02/20/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: KM		Batch: 2308006
Diesel Range Organics (C10-C28)	ND	25.0	1	02/20/23	02/20/23	
Dil Range Organics (C28-C36)	ND	50.0	1	02/20/23	02/20/23	
urrogate: n-Nonane		105 %	50-200	02/20/23	02/20/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: KL		Batch: 2308003
Chloride	ND	20.0	1	02/20/23	02/20/23	

	~	ampie 2				
Devon Energy - Carlsbad	Project Nam					
6488 7 Rivers Hwy	Project Num	ber: 010	58-0007	Reported:		
Artesia NM, 88210	Project Man	ager: Ash	ley Giovengo			2/27/2023 3:39:02PM
		SS01 - 2'				
		E302084-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: SL		Batch: 2308002
Benzene	ND	0.0250	1	02/19/23	02/20/23	
Ethylbenzene	ND	0.0250	1	02/19/23	02/20/23	
Toluene	ND	0.0250	1	02/19/23	02/20/23	
p-Xylene	ND	0.0250	1	02/19/23	02/20/23	
o,m-Xylene	ND	0.0500	1	02/19/23	02/20/23	
Total Xylenes	ND	0.0250	1	02/19/23	02/20/23	
Surrogate: 4-Bromochlorobenzene-PID		104 %	70-130	02/19/23	02/20/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: SL		Batch: 2308002
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/23	02/20/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.6 %	70-130	02/19/23	02/20/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: KM		Batch: 2308006
Diesel Range Organics (C10-C28)	ND	25.0	1	02/20/23	02/20/23	
Dil Range Organics (C28-C36)	ND	50.0	1	02/20/23	02/20/23	
Surrogate: n-Nonane		105 %	50-200	02/20/23	02/20/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: KL		Batch: 2308003
Chloride	70.7	20.0	1	02/20/23	02/20/23	

	ampie D							
Devon Energy - Carlsbad	5	Project Name: North Brushy Draw Federal 35 #012H						
6488 7 Rivers Hwy	Project Numb	ber: 010	58-0007	Reported:				
Artesia NM, 88210	Project Mana	iger: Ash	ley Giovengo			2/27/2023 3:39:02PM		
		SS02 - 0'						
		E302084-03						
		Reporting						
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes		
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys		Batch: 2308002			
Benzene	ND	0.0250	1	02/19/23	02/20/23			
Ethylbenzene	ND	0.0250	1	02/19/23	02/20/23			
Foluene	ND	0.0250	1	02/19/23	02/20/23			
p-Xylene	ND	0.0250	1	02/19/23	02/20/23			
o,m-Xylene	ND	0.0500	1	02/19/23	02/20/23			
Fotal Xylenes	ND	0.0250	1	02/19/23	02/20/23			
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	02/19/23	02/20/23			
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: SL		Batch: 2308002		
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/23	02/20/23			
Surrogate: 1-Chloro-4-fluorobenzene-FID		82.0 %	70-130	02/19/23	02/20/23			
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: KM		Batch: 2308006		
Diesel Range Organics (C10-C28)	ND	25.0	1	02/20/23	02/20/23			
Dil Range Organics (C28-C36)	ND	50.0	1	02/20/23	02/20/23			
Surrogate: n-Nonane		99.4 %	50-200	02/20/23	02/20/23			
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: KL		Batch: 2308003		
Chloride	311	20.0	1	02/20/23	02/20/23			

Devon Energy - Carlsbad	Project Name		th Brushy Draw F	ederal 35 #012H						
6488 7 Rivers Hwy	Project Numb		58-0007	Reported:						
Artesia NM, 88210	Project Mana	ger: Ash	ley Giovengo			2/27/2023 3:39:02PM				
		SS03 - 0'								
		E302084-04								
		Reporting								
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes				
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys		Batch: 2308002					
Benzene	ND	0.0250	1	02/19/23	02/20/23					
Ethylbenzene	ND	0.0250	1	02/19/23	02/20/23					
Foluene	ND	0.0250	1	02/19/23	02/20/23					
p-Xylene	ND	0.0250	1	02/19/23	02/20/23					
o,m-Xylene	ND	0.0500	1	02/19/23	02/20/23					
Fotal Xylenes	ND	0.0250	1	02/19/23	02/20/23					
Surrogate: 4-Bromochlorobenzene-PID		104 %	70-130	02/19/23	02/20/23					
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: SL		Batch: 2308002				
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/23	02/20/23					
Surrogate: 1-Chloro-4-fluorobenzene-FID		85.0 %	70-130	02/19/23	02/20/23					
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: KM		Batch: 2308006				
Diesel Range Organics (C10-C28)	ND	25.0	1	02/20/23	02/20/23					
Dil Range Organics (C28-C36)	ND	50.0	1	02/20/23	02/20/23					
Surrogate: n-Nonane		105 %	50-200	02/20/23	02/20/23					
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: KL		Batch: 2308003				
Chloride	29.3	20.0	1	02/20/23	02/20/23					

Devon Energy - Carlsbad 6488 7 Rivers Hwy	Project Name Project Numb		th Brushy Draw F 58-0007	ederal 35 #012H		Reported:
Artesia NM, 88210	Project Mana	ger: Ash	ley Giovengo	2/27/2023 3:39:02P1		
		SS04 - 0'				
		E302084-05				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys		Batch: 2308002	
Benzene	ND	0.0250	1	02/19/23	02/20/23	
Ethylbenzene	ND	0.0250	1	02/19/23	02/20/23	
Toluene	ND	0.0250	1	02/19/23	02/20/23	
p-Xylene	ND	0.0250	1	02/19/23	02/20/23	
p,m-Xylene	ND	0.0500	1	02/19/23	02/20/23	
Total Xylenes	ND	0.0250	1	02/19/23	02/20/23	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	02/19/23	02/20/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	:: SL		Batch: 2308002
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/23	02/20/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		82.3 %	70-130	02/19/23	02/20/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	:: KM		Batch: 2308006
Diesel Range Organics (C10-C28)	ND	25.0	1	02/20/23	02/20/23	
Oil Range Organics (C28-C36)	ND	50.0	1	02/20/23	02/20/23	
Surrogate: n-Nonane		98.5 %	50-200	02/20/23	02/20/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	:: KL		Batch: 2308003
Chloride	32.1	20.0	1	02/20/23	02/20/23	

		ampic D	ata			
Devon Energy - Carlsbad	Project Name	e: Nor	th Brushy Draw			
6488 7 Rivers Hwy	Project Numb		58-0007	Reported:		
Artesia NM, 88210	Project Mana	ger: Ash	ley Giovengo			2/27/2023 3:39:02PN
		SS05A - 0'				
		E302084-06				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL	Batch: 2308002	
Benzene	ND	0.0250	1	02/19/23	02/20/23	
Ethylbenzene	ND	0.0250	1	02/19/23	02/20/23	
Toluene	ND	0.0250	1	02/19/23	02/20/23	
p-Xylene	ND	0.0250	1	02/19/23	02/20/23	
p,m-Xylene	ND	0.0500	1	02/19/23	02/20/23	
Fotal Xylenes	ND	0.0250	1	02/19/23	02/20/23	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	02/19/23	02/20/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2308002
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/19/23	02/20/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		85.4 %	70-130	02/19/23	02/20/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: KM		Batch: 2308006
Diesel Range Organics (C10-C28)	ND	25.0	1	02/20/23	02/20/23	
Dil Range Organics (C28-C36)	ND	50.0	1	02/20/23	02/20/23	
Surrogate: n-Nonane		96.2 %	50-200	02/20/23	02/20/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: BA		Batch: 2309013
Chloride	564	20.0	1	02/27/23	02/27/23	
Chloride	564	20.0	1	02/27/23	02/27/23	

## **QC Summary Data**

Davan Enargy Carlshad		Due is at N	NT	outh Durahar P							
Devon Energy - Carlsbad		Project Name:		orth Brushy D	raw reder	ai 55 #0121	n		Reported:		
6488 7 Rivers Hwy		Project Number:		058-0007							
Artesia NM, 88210		Project Manager:	A	shley Gioveng	go				2/27/2023 3:39:02PM		
	Volatile Organics by EPA 8021B								Analyst: SL		
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit			
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes		
Blank (2308002-BLK1)							Prepared:	02/19/23	Analyzed: 02/20/23		
Benzene	ND	0.0250					-		•		
Ethylbenzene	ND	0.0250									
Toluene	ND	0.0250									
p-Xylene	ND	0.0250									
p,m-Xylene	ND	0.0500									
Total Xylenes	ND	0.0250									
Surrogate: 4-Bromochlorobenzene-PID	7.84	0.0200	8.00		98.0	70-130					
LCS (2308002-BS1)				Pre				02/19/23	Analyzed: 02/20/23		
Benzene	4.32	0.0250	5.00		86.3	70-130					
Ethylbenzene	4.47	0.0250	5.00		89.5	70-130					
Foluene	4.56	0.0250	5.00		91.2	70-130					
p-Xylene	4.60	0.0250	5.00		92.0	70-130					
p,m-Xylene	9.09	0.0500	10.0		90.9	70-130					
Total Xylenes	13.7	0.0250	15.0		91.2	70-130					
Surrogate: 4-Bromochlorobenzene-PID	7.78		8.00		97.2	70-130					
Matrix Spike (2308002-MS1)				Sourc	e: E30208	3-02	Prepared: 02/19/23		Analyzed: 02/20/23		
Benzene	5.00	0.0250	5.00	ND	100	54-133					
Ethylbenzene	5.18	0.0250	5.00	ND	104	61-133					
Toluene	5.28	0.0250	5.00	ND	106	61-130					
p-Xylene	5.33	0.0250	5.00	ND	107	63-131					
p,m-Xylene	10.5	0.0500	10.0	ND	105	63-131					
Total Xylenes	15.8	0.0250	15.0	ND	105	63-131					
Surrogate: 4-Bromochlorobenzene-PID	7.78		8.00		97.3	70-130					
Matrix Spike Dup (2308002-MSD1)				Sourc	e: E30208	3-02	Prepared:	02/19/23	Analyzed: 02/20/23		
Benzene	4.48	0.0250	5.00	ND	89.6	54-133	10.9	20			
Ethylbenzene	4.63	0.0250	5.00	ND	92.6	61-133	11.2	20			
Toluene	4.72	0.0250	5.00	ND	94.5	61-130	11.1	20			
p-Xylene	4.77	0.0250	5.00	ND	95.5	63-131	11.1	20			
p,m-Xylene	9.39	0.0500	10.0	ND	93.9	63-131	11.0	20			
	14.2	0.0250	15.0	ND	94.4	63-131	11.0	20			
Total Xylenes	1.1.2	0.0250		1.12	21.1	05-151	11.0	20			



## **QC Summary Data**

		QU D		ary Data					
Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210		Project Name: Project Number: Project Manager:	0	lorth Brushy D 1058-0007 Ishley Gioveng		al 35 #012	H		<b>Reported:</b> 2/27/2023 3:39:02PM
	Nonhalogenated Organics by EPA 8015D - GRO								Analyst: SL
Analyte	Result mg/kg	Reporting Limit	Spike Level	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
	ing/kg	mg/kg	mg/kg	iiig/kg	70	/0	/0	/0	Notes
Blank (2308002-BLK1)							Prepared:	02/19/23	Analyzed: 02/20/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.05		8.00		88.1	70-130			
LCS (2308002-BS2)							Prepared:	02/19/23	Analyzed: 02/20/23
Gasoline Range Organics (C6-C10)	48.7	20.0	50.0		97.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.05		8.00		88.1	70-130			
Matrix Spike (2308002-MS2)				Sourc	e: E30208	3-02	Prepared:	02/19/23	Analyzed: 02/20/23
Gasoline Range Organics (C6-C10)	42.5	20.0	50.0	ND	85.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.91		8.00		86.4	70-130			
Matrix Spike Dup (2308002-MSD2)				Sourc	e: E30208	3-02	Prepared:	02/19/23	Analyzed: 02/20/23
Gasoline Range Organics (C6-C10)	42.9	20.0	50.0	ND	85.7	70-130	0.779	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.43		8.00		92.9	70-130			

## **QC Summary Data**

		QC D	umm	ialy Data	a					
Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210		Project Name: Project Number: Project Manager:		North Brushy D 01058-0007 Ashley Gioveng		ral 35 #012	Н	H Reported: 2/27/2023 3:39:0		
	Nonhalogenated Organics by EPA 8015D - DRO/ORO									
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2308006-BLK1)				Prepared: (					Analyzed: 02/20/23	
Diesel Range Organics (C10-C28)	ND	25.0								
Oil Range Organics (C28-C36)	ND	50.0								
Surrogate: n-Nonane	52.0		50.0		104	50-200				
LCS (2308006-BS1)							Prepared:	02/20/23	Analyzed: 02/20/23	
Diesel Range Organics (C10-C28)	201	25.0	250		80.3	38-132				
Surrogate: n-Nonane	51.6		50.0		103	50-200				
Matrix Spike (2308006-MS1)				Sourc	e: E30208	3-01	Prepared:	02/20/23	Analyzed: 02/20/23	
Diesel Range Organics (C10-C28)	212	25.0	250	ND	84.7	38-132				
Surrogate: n-Nonane	48.2		50.0		96.4	50-200				
Matrix Spike Dup (2308006-MSD1)				Sourc	e: E30208	3-01	Prepared:	02/20/23	Analyzed: 02/20/23	
Diesel Range Organics (C10-C28)	221	25.0	250	ND	88.3	38-132	4.21	20		
Surrogate: n-Nonane	49.3		50.0		98.7	50-200				



## **QC Summary Data**

			-							
Devon Energy - Carlsbad		Project Name:	he: North Brushy Draw Federal 35 #012H						Reported:	
6488 7 Rivers Hwy		Project Number	: (	01058-0007					•	
Artesia NM, 88210		Project Manager	r: /	Ashley Gioveng	go				2/27/2023 3:39:02PM	
	Anions by EPA 300.0/9056A								Analyst: KL	
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2308003-BLK1)							Prepared:	02/20/23	Analyzed: 02/20/23	
Chloride	ND	20.0								
LCS (2308003-BS1)							Prepared:	02/20/23	Analyzed: 02/20/23	
Chloride	248	20.0	250		99.3	90-110				
Matrix Spike (2308003-MS1)				Sourc	e: E30208	3-01	Prepared:	02/20/23	Analyzed: 02/20/23	
Chloride	265	200	250	ND	106	80-120				
Matrix Spike Dup (2308003-MSD1)				Sourc	e: E30208	3-01	Prepared:	02/20/23	Analyzed: 02/20/23	
Chloride	275	200	250	ND	110	80-120	3.96	20		



### **QC Summary Data**

			•							
Devon Energy - Carlsbad 6488 7 Rivers Hwy		Project Name: Project Number:		Н		Reported:				
Artesia NM, 88210		Project Manager	:	Ashley Gioveng	go				2/27/2023 3:39:02PM	
	Anions by EPA 300.0/9056A								Analyst: BA	
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2309013-BLK1)							Prepared:	02/27/23	Analyzed: 02/27/23	
Chloride	ND	20.0								
LCS (2309013-BS1)							Prepared:	02/27/23	Analyzed: 02/27/23	
Chloride	266	20.0	250		106	90-110				
Matrix Spike (2309013-MS1)				Sourc	e: E30208	4-06	Prepared:	02/27/23	Analyzed: 02/27/23	
Chloride	788	20.0	250	564	89.8	80-120				
Matrix Spike Dup (2309013-MSD1)				Sourc	e: E30208	4-06	Prepared:	02/27/23	Analyzed: 02/27/23	
Chloride	842	20.0	250	564	111	80-120	6.62	20		

QC Summary Report Comment:

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



_		Definitions		
ſ	Devon Energy - Carlsbad	Project Name:	North Brushy Draw Federal 35 #012H	
l	6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
l	Artesia NM, 88210	Project Manager:	Ashley Giovengo	02/27/23 15:39

ND	Analyte NOT DETECTED	at or above the reporting limit
1.02	rmany to rio r DErected	at of above are reporting mint

- 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.



roject In	formation				Chain	of Custody												Page	1 of 1
Project:	Devon North Brush			#012H	Bill To Attention: Jim Raley		Lab	WO#	ŧ		1 State State	Numb		1D	2D	TAT 3D	Standard		Program SDWA
Address:	Manager: As 1224 Star te, Zip: Carls	ndpipe Ro		_	Address: 5315 Buena Vista Dr City, State, Zip: Calsbad, NM 88220 Phone: 575-689-7597	0	E	302	08	4	Analysis and Method						×	-	RCRA
Phone:	505-382-1 ashley.giove	.211		com	<u>Email:</u> jim.raley@dvn.com		DRO/ORO by 8015	0 by 8015	3021	260	010	300.0		MN	TX			State	2 TX
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		Lab Number	DRO/OR(	GRO/DRO by	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC	BGDOC		×	Remark	s
9:30	2/16/23	Soil	1 Jar		BG01 - 0'	1								x					
10:06	2/16/23	Soil	1 Jar		SSO1 - 2'	2								x					
10:11	2/16/23	Soil	1 Jar		SS02 - 0'	3								x					
10:13	2/16/23	Soil	1 Jar		SS03 - 0'	4								x					
10:17	2/16/23	Soil	1 Jar		SS04 - 0'	5								x					
11:08	2/16/23	Soil	1 Jar		SS05A - 0'	6					-		_	x			_	_	
									-							-			
iason.io	hnsen@wes	cominc.o	om		urton@wescominc.com, shar.harves				n, jim	n.rale	Sample	es requirin	g thermal p	preserva	tion mu:	st be receiv	red on ice the da	ay they are samp	oled or received
Relinquish		ire) XR-RQ1		be grounds for legal a	ction. Sampled by: B Received by: (Signature) Received by: (Signature) Received by: (Signature)	Date J-17-	23	Time /( Time	5.0	8	-		an avg temp				on subsequent	days.	
Relinquish	1 4	Ine)	Date		30 Received by: (Signature)	2-17- Date 2/19/2		Time	:15		T1 AVG	Temp	°c_4	<u>T2</u>			<u>T3</u>		
Note: Sam		ded 30 day	s after resul	ts are reported unle	ss other arrangements are made. Hazardous are with this COC. The liability of the laboratory		e retu	rned t	o clie	nt or	oly/p dispos	lastic, a ed of at	g - amb	er gla			ort for the ar	alysis of the	above
					Page	18 of 20				C	1	(	e	n	V	ir	0	te	cł

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

lient:	Devon Energy - Carlsbad Da	ate Received:	02/19/23	10:15	Work Order ID:	E302084
Phone:	(505) 382-1211 Da	ate Logged In:	02/17/23	15:22	Logged In By:	Caitlin Christian
Email:		ue Date:		07:00 (4 day TAT)		
Chain o	f Custody (COC)					
1. Does	the sample ID match the COC?		Yes			
	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 tl	he COC complete, i.e., signatures, dates/times, requested	l analyses?	Yes			
5. Were	all samples received within holding time? Note: Analysis, such as pH which should be conducted in the i.e, 15 minute hold time, are not included in this disucssion.	e field,	Yes		Commen	ts/Resolution
Sample	Turn Around Time (TAT)					
	e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample	<u>Cooler</u>					
7. Was a	sample cooler received?		Yes			
8. If yes,	, was cooler received in good condition?		Yes			
9. Was tl	he sample(s) received intact, i.e., not broken?		Yes			
10. Were	e custody/security seals present?		No			
11. If ye	s, were custody/security seals intact?		NA			
12. Was t	he sample received on ice? If yes, the recorded temp is 4°C, i.e. Note: Thermal preservation is not required, if samples are re		Yes			
13 If no	minutes of sampling visible ice, record the temperature. Actual sample ter	nnerature: 4º	C			
	Container	<u></u>	<u> </u>			
	aqueous VOC samples present?		No			
	VOC samples collected in VOA Vials?		NA			
	e head space less than 6-8 mm (pea sized or less)?		NA			
	a trip blank (TB) included for VOC analyses?		NA			
	non-VOC samples collected in the correct containers?		Yes			
	appropriate volume/weight or number of sample containers	s collected?	Yes			
Field La	lbel					
20. Were	e field sample labels filled out with the minimum inform	ation:				
	Sample ID?		Yes			
	Date/Time Collected?		Yes	L		
	Collectors name?		No			
_	Preservation	erved?	No			
	sample(s) correctly preserved?		NO			
	b filteration required and/or requested for dissolved meta	als?	No			
	ase Sample Matrix		110			
	s the sample have more than one phase, i.e., multiphase?		No			
	s, does the COC specify which phase(s) is to be analyze		NO			
•		<b></b>	INA			
	tract Laboratory_ samples required to get sent to a subcontract laboratory?		No			
	a subcontract laboratory specified by the client and if so		NA	Subcontract Lab: NA		
∠. was	a succontract aboratory spectfied by the chefit and fi so		11/1	Subcontract Lau: NA		

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



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**Project Information** 

Released to Imaging: 2/26/2024 1:48:41 PM

#### Chain of Custody

Page \_\_\_\_\_ of \_\_\_\_

Client:	Devon					Bill To			Constanting	-	12	ıb Us	e On	dv		1		T	ΔΤ		FDA D	rogram	
	North Brush	v Draw E	ederal 35	#012H	Atte	ention: Jim Raley			Lah	WO#		and a state of the		Numb	er	1D	20	3D		ndard	CWA	SDWA	
and the second se	Aanager: As	and the second se	the second second second second second	avien		ress: 5315 Buena Vista D	r		FZ	07	~ 40				0007	10	20	50	Stu	x	CVIA	JUWA	
	1224 Stan			-	and the second se	, State, Zip: Calsbad, NM				a	00				d Metho	d	-			Carlos and		RCRA	
	e, Zip: Carls	the second second second second	the second second second		and the second se	ne: 575-689-7597					-					1	1						
And a state of the	505-382-1	57/00 million 10 million 10 million	- Magazarda		A STATE OF STATE	ail: jim.raley@dvn.com			2	Ŋ				d				14			State	the second second	
	ashley.giove	and the second second	scominc.	com					8015	8015	-			07		-	1 1		1 Tr	NM CO	UT AZ	TX	
Report d	and the second sec								(q O	O by	802	3260	010	0.00E		MN	1X						
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID				Lab	DRO/ORO by	GRO/DRO I	BTEX by 8021	VOC by 8260	Metals 6010	Chloride		BGDOC	BGDOC			~1	Remarks		
	2/10/22		Contemptity		- Che Maintenne Che	DCO1 O		lumber	ia	15	8	V	Σ	513	6	B	BG	-					
9:30	2/16/23	Soil	1 Jar		1	BG01 - 0'		1								x					184		
10:06	2/16/23	Soil	1 Jar			SS01 - 2'		2								x							
10:11	2/16/23	Soil	1 Jar			SS02 - 0'		3								x							
10:13	2/16/23	Soil	1 Jar			SS03 - 0'	4	4								x							
10:17	2/16/23	Soil	1 Jar			SS04 - 0'	0	5								x							
11:08	2/16/23	Soil	1 Jar			SS05A - 0'	1	10						X		x				2em	n CI	00	Page 20 of 20
							238																e 20
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											-									BI	rton	2/27/	23
								4.4													All	1	
Addition	nal Instructio	ons: Kep	ot on ice,	Please CC: co	le.burton(	@wescominc.com, shar.h	arvester@	owesco	minc	.com	n, jim	.rale	y@d	lvn.co	m, ash	ey.gi	oven	go@	wesco	minc.co	m,C	4	
iason.io	hnsen@wes	cominc.c	om										C										
and the second second second				ty of this sample. I y be grounds for le		t tampering with or intentionally m	hislabelling the	e sample I	ocation	١,			A CONTRACTOR OF A CONTRACT							ubsequent da		ed or received	
and the second se	ed by: (Signatu		raud and may	y be grounds for te		Sampled by: Received by: (Signature)	10:	ate		Time			1000					se Or					
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	ied by: (Signatu		Date	Tim	e	Received by: (Signature)	// Da	ate		Time	~ 0	0	Rece	erveu	on ice.	0	/ 14						1.00
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	ed by: (Signatu		Date	Tim	e	Received by: (Signature)	Da	ate		Time		2	-			12	-			13			
No	renza	R	11		230	Sherry 32322		2/19/2		Time 10	service and the service				p°c_4								
	trix: S - Soil, Sd - :					10.00		ontainer															
						arrangements are made. Haza									t the clie	nt expe	ense.	The re	eport fo	or the anal	ysis of the	above	1
Isamples is	applicable only	y to those s	amples rec	eived by the labo	bratory with	this COC. The liability of the labo	oratory is lin	nited to t	the am	ount	paid f	oron	the re	eport.								-	]

envirotech

Received by OCD: 11/2/2023 8:41:33 AM

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:	North Brushy Draw Federal 35 #012H
Work Order:	E303075
Job Number:	01058-0007
Received:	3/22/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 3/27/23

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: 3/27/23

Ashley Giovengo 6488 7 Rivers Hwy Artesia, NM 88210



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Project Name: North Brushy Draw Federal 35 #012H Workorder: E303075 Date Received: 3/22/2023 5:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/22/2023 5:00:00AM, under the Project Name: North Brushy Draw Federal 35 #012H.

The analytical test results summarized in this report with the Project Name: North Brushy Draw Federal 35 #012H 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

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 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

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

Envirotech Web Address: www.envirotech-inc.com

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*		Sample Sum	mary		c
Devon Energy - Carlsbad 6488 7 Rivers Hwy		Project Name: Project Number:	North Brushy Draw F 01058-0007	ederal 35 #01	2H Reported:
Artesia NM, 88210		Project Manager:	Ashley Giovengo		03/27/23 08:41
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CONF01 - 0'	E303075-01A	Soil	03/17/23	03/22/23	Glass Jar, 2 oz.



		ampie D				
Devon Energy - Carlsbad						
6488 7 Rivers Hwy	Project Num	ber: 0105	58-0007			Reported:
Artesia NM, 88210	Project Man	ager: Ash	3/27/2023 8:41:31AM			
		CONF01 - 0'				
		E303075-01				
		Reporting				
Analyte	Result	Limit	Diluti	on Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	А	nalyst: SL		Batch: 2312028
Benzene	ND	0.0250	1	03/22/23	03/22/23	
Ethylbenzene	ND	0.0250	1	03/22/23	03/22/23	
Toluene	ND	0.0250	1	03/22/23	03/22/23	
p-Xylene	ND	0.0250	1	03/22/23	03/22/23	
o,m-Xylene	ND	0.0500	1	03/22/23	03/22/23	
Fotal Xylenes	ND	0.0250	1	03/22/23	03/22/23	
Surrogate: Bromofluorobenzene		93.8 %	70-130	03/22/23	03/22/23	
Surrogate: 1,2-Dichloroethane-d4		99.2 %	70-130	03/22/23	03/22/23	
Surrogate: Toluene-d8		103 %	70-130	03/22/23	03/22/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	А	nalyst: SL		Batch: 2312028
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/22/23	03/22/23	
Surrogate: Bromofluorobenzene		93.8 %	70-130	03/22/23	03/22/23	
Surrogate: 1,2-Dichloroethane-d4		99.2 %	70-130	03/22/23	03/22/23	
Surrogate: Toluene-d8		103 %	70-130	03/22/23	03/22/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORC	mg/kg	mg/kg	А	nalyst: JL		Batch: 2312041
Diesel Range Organics (C10-C28)	ND	25.0	1	03/22/23	03/22/23	
Dil Range Organics (C28-C36)	ND	50.0	1	03/22/23	03/22/23	
Surrogate: n-Nonane		83.9 %	50-200	03/22/23	03/22/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	А	nalyst: BA		Batch: 2312032
Chloride	6570	200	10	03/22/23	03/23/23	



## **QC Summary Data**

Devon Energy - Carlsbad		Project Name:	N	orth Brushy D	raw Feder	al 35 #012	2Н		Reported:		
6488 7 Rivers Hwy		Project Number:		1058-0007					inportuu.		
Artesia NM, 88210		Project Manager:		shley Gioveng	0				3/27/2023 8:41:31AM		
		Volatile Organic	Compo	unds by EF	PA 82601	B	Analyst: S				
Analyte		Reporting	Spike	Source		Rec		RPD	-		
Analyte	Result	Limit	Level	Result	Rec	Limits	RPD	Limit			
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes		
Blank (2312028-BLK1)							Prepared: 0	3/22/23 Ai	nalyzed: 03/22/23		
Benzene	ND	0.0250									
Ethylbenzene	ND	0.0250									
Toluene	ND	0.0250									
o-Xylene	ND	0.0250									
p,m-Xylene	ND	0.0500									
Total Xylenes	ND	0.0250									
Surrogate: Bromofluorobenzene	0.470		0.500		93.9	70-130					
Surrogate: 1,2-Dichloroethane-d4	0.491		0.500		98.1	70-130					
Surrogate: Toluene-d8	0.509		0.500		102	70-130					
LCS (2312028-BS1)							Prepared: ()	3/22/23 41	nalyzed: 03/23/23		
	2.00		2.50			50.100	Trepared. 0	<i>3122123</i> A	haryzeu. 05/25/25		
Benzene	2.09	0.0250	2.50		83.4	70-130					
Ethylbenzene	2.20	0.0250	2.50		88.0	70-130					
Toluene	2.18	0.0250	2.50		87.1	70-130					
o-Xylene	2.25	0.0250	2.50		90.1	70-130					
p,m-Xylene	4.46	0.0500	5.00		89.3	70-130					
Total Xylenes	6.72	0.0250	7.50		89.6	70-130					
Surrogate: Bromofluorobenzene	0.500		0.500		100	70-130					
Surrogate: 1,2-Dichloroethane-d4	0.469		0.500		93.8	70-130					
Surrogate: Toluene-d8	0.513		0.500		103	70-130					
Matrix Spike (2312028-MS1)				Source:	E303073-2	21	Prepared: 0	3/22/23 Ai	nalyzed: 03/22/23		
Benzene	2.09	0.0250	2.50	ND	83.8	48-131					
Ethylbenzene	2.18	0.0250	2.50	ND	87.2	45-135					
Toluene	2.18	0.0250	2.50	ND	87.0	48-130					
o-Xylene	2.25	0.0250	2.50	ND	90.0	43-135					
p,m-Xylene	4.44	0.0500	5.00	ND	88.8	43-135					
Total Xylenes	6.69	0.0250	7.50	ND	89.2	43-135					
Surrogate: Bromofluorobenzene	0.502		0.500		100	70-130					
Surrogate: 1,2-Dichloroethane-d4	0.490		0.500		97.9	70-130					
Surrogate: Toluene-d8	0.514		0.500		103	70-130					
Matrix Spike Dup (2312028-MSD1)				Source:	E303073-2	21	Prepared: 0	3/22/23 Ai	nalyzed: 03/22/23		
Benzene	2.15	0.0250	2.50	ND	86.0	48-131	2.69	23			
Ethylbenzene	2.27	0.0250	2.50	ND	90.7	45-135	3.98	27			
Toluene	2.25	0.0250	2.50	ND	90.0	48-130	3.37	24			
o-Xylene	2.33	0.0250	2.50	ND	93.1	43-135	3.41	27			
p,m-Xylene	4.61	0.0500	5.00	ND	92.2	43-135	3.69	27			
Total Xylenes	6.94	0.0250	7.50	ND	92.5	43-135	3.60	27			
Surrogate: Bromofluorobenzene	0.504		0.500		101	70-130					
Surrogate: 1,2-Dichloroethane-d4	0.497		0.500		99.4	70-130					
Surrogate: Toluene-d8	0.514		0.500		103	70-130					



## **QC Summary Data**

		QC SI		lary Data	a						
Devon Energy - Carlsbad		Project Name:		North Brushy D	raw Federal	Reported:					
6488 7 Rivers Hwy		Project Number:	r: 01058-0007								
Artesia NM, 88210		Project Manager:		Ashley Gioveng	jo			3/27/2023 8:41:31A			
	N	onhalogenated O	rganic	s by EPA 801	15D - GR	0		Analyst: SL			
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit			
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes		
Blank (2312028-BLK1)							Prepared: 0	3/22/23	Analyzed: 03/22/23		
Gasoline Range Organics (C6-C10)	ND	20.0									
Surrogate: Bromofluorobenzene	0.470		0.500		93.9	70-130					
Surrogate: 1,2-Dichloroethane-d4	0.491		0.500		98.1	70-130					
Surrogate: Toluene-d8	0.509		0.500		102	70-130					
LCS (2312028-BS2)							Prepared: 0	3/22/23	Analyzed: 03/22/23		
Gasoline Range Organics (C6-C10)	48.2	20.0	50.0		96.3	70-130					
Surrogate: Bromofluorobenzene	0.479		0.500		95.7	70-130					
Surrogate: 1,2-Dichloroethane-d4	0.484		0.500		96.7	70-130					
Surrogate: Toluene-d8	0.514		0.500		103	70-130					
Matrix Spike (2312028-MS2)				Source:	E303073-2	1	Prepared: 0	3/22/23	Analyzed: 03/22/23		
Gasoline Range Organics (C6-C10)	46.0	20.0	50.0	ND	92.1	70-130					
Surrogate: Bromofluorobenzene	0.487		0.500		97.4	70-130					
Surrogate: 1,2-Dichloroethane-d4	0.490		0.500		98.0	70-130					
Surrogate: Toluene-d8	0.521		0.500		104	70-130					
Matrix Spike Dup (2312028-MSD2)				Source:	E303073-2	1	Prepared: 0	3/22/23	Analyzed: 03/22/23		
Gasoline Range Organics (C6-C10)	47.5	20.0	50.0	ND	94.9	70-130	3.02	20			
Surrogate: Bromofluorobenzene	0.485		0.500		97.0	70-130					
Surrogate: 1,2-Dichloroethane-d4	0.498		0.500		99.6	70-130					
Surrogate: Toluene-d8	0.514		0.500		103	70-130					



## **QC Summary Data**

		QC BI	umm	aly Data	l				
Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210		Project Name: Project Number: Project Manager:	(	North Brushy Di 01058-0007 Ashley Gioveng		al 35 #012	2H		<b>Reported:</b> 3/27/2023 8:41:31AM
	Nonha	alogenated Orga	anics by	y EPA 8015D	- DRO	/ORO			Analyst: KM
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
					70	70	70	70	Totes
Blank (2312041-BLK1)							Prepared: 0	3/22/23 A	Analyzed: 03/22/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	49.6		50.0		99.2	50-200			
LCS (2312041-BS1)							Prepared: 0	3/22/23 A	Analyzed: 03/22/23
Diesel Range Organics (C10-C28)	240	25.0	250		96.0	38-132			
Surrogate: n-Nonane	39.6		50.0		79.2	50-200			
Matrix Spike (2312041-MS1)				Source: 1	E303075-	01	Prepared: 0	3/22/23 A	Analyzed: 03/22/23
Diesel Range Organics (C10-C28)	230	25.0	250	ND	92.1	38-132			
Surrogate: n-Nonane	36.2		50.0		72.4	50-200			
Matrix Spike Dup (2312041-MSD1)				Source:	E303075-	01	Prepared: 0	3/22/23 A	Analyzed: 03/22/23
Diesel Range Organics (C10-C28)	222	25.0	250	ND	88.9	38-132	3.62	20	
Surrogate: n-Nonane	36.1		50.0		72.3	50-200			



### **QC Summary Data**

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Devon Energy - Carlsbad 6488 7 Rivers Hwy		Project Name: Project Number:		North Brushy D 01058-0007	raw Federa	al 35 #012	2H		Reported:
Artesia NM, 88210		Project Manager		Ashley Gioveng	ço				3/27/2023 8:41:31AN
		Anions	by EPA	300.0/90564	1				Analyst: BA
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2312032-BLK1)							Prepared: 0	3/22/23 <i>I</i>	Analyzed: 03/23/23
Chloride	ND	20.0							
LCS (2312032-BS1)							Prepared: 0	3/22/23 A	Analyzed: 03/23/23
Chloride	247	20.0	250		98.7	90-110			
Matrix Spike (2312032-MS1)				Source:	E303073-2	21	Prepared: 0	3/22/23 A	Analyzed: 03/23/23
Chloride	253	20.0	250	ND	101	80-120			
Matrix Spike Dup (2312032-MSD1)				Source:	E303073-2	21	Prepared: 0	3/22/23 A	Analyzed: 03/23/23
Chloride	254	20.0	250	ND	101	80-120	0.167	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.



_		Dennitions		
Γ	Devon Energy - Carlsbad	Project Name:	North Brushy Draw Federal 35 #012H	
L	6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
L	Artesia NM, 88210	Project Manager:	Ashley Giovengo	03/27/23 08:41

- 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.



Reproject Information

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Project li	nformation					Chain	of Custody												Page	of
Client:	Devon			_	1	Bill To			_	1.	ah H	se On	hz		-		TAT	-	EDA D	rogram
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	505-382-1					mail: jim.raley@dvn.com	-	15	5						1				State	
Email:	ashley.giove	ngo@we	scominc.	com	-		-	/ 80:	/ 803	-	-		0.		-			NM CO		TX
Report c	ue by:							0 pl	d O	802	8260	010	300		WN	¥		×		
Time	Date Sampled	Matrix	No. of	Sample ID			Lab	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC	BGDOC			Remarks	
Sampled		Wideria	Containers	Jampie ID			Number	DRG	GR(	BTB	NO	Me	Chl		BGI	BGD			Kellidiks	
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#### **Envirotech Analytical Laboratory**

#### Sample Receipt Checklist (SRC)

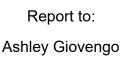
Client:	Devon Energy - Carlsbad Da	ate Received:	03/22/23	05:00		Work Order ID:	E303075
Phone:	(505) 382-1211 Da	te Logged In:	03/21/23	14:14		Logged In By:	Alexa Michaels
Email:		ie Date:		17:00 (3 day TAT)			
Chain o	f Custody (COC)						
1. Does	the sample ID match the COC?		Yes				
2. Does	the number of samples per sampling site location match	the COC	Yes				
3. Were	samples dropped off by client or carrier?		Yes	Carrier: C	Courier		
4. Was th	he 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 i.e, 15 minute hold time, are not included in this disucssion.	e field,	Yes			Commen	ts/Resolution
<u>Sample</u>	<u>Turn Around Time (TAT)</u>						
6. Did th	ne COC indicate standard TAT, or Expedited TAT?		Yes				
<u>Sample</u>	Cooler						
7. Was a	sample cooler received?		Yes				
8. If yes,	, was cooler received in good condition?		Yes				
9. Was tl	he sample(s) received intact, i.e., not broken?		Yes				
10. Were	e custody/security seals present?		No				
11. If ye	s, were custody/security seals intact?		NA				
12. Was t	he sample received on ice? If yes, the recorded temp is 4°C, i.e. Note: Thermal preservation is not required, if samples are re- minutes of sampling		Yes				
13. If no	visible ice, record the temperature. Actual sample ter	nperature: 4°	Ċ				
	<u>Container</u>						
	aqueous VOC samples present?		No				
	VOC samples collected in VOA Vials?		NA				
	e head space less than 6-8 mm (pea sized or less)?		NA				
	a trip blank (TB) included for VOC analyses?		NA				
	non-VOC samples collected in the correct containers?		Yes				
	appropriate volume/weight or number of sample containers	collected?	Yes				
Field La							
	e field sample labels filled out with the minimum inform	ation:					
S	Sample ID?		Yes				
	Date/Time Collected?		Yes	I			
	Collectors name?		Yes				
	Preservation	10					
	s the COC or field labels indicate the samples were prese	erved?	No				
	sample(s) correctly preserved?	1-9	NA				
	b filteration required and/or requested for dissolved meta	us <i>?</i>	No				
	ase Sample Matrix						
	s the sample have more than one phase, i.e., multiphase?		No				
27. If ye	s, does the COC specify which phase(s) is to be analyzed	1?	NA				
<u>Subcont</u>	tract Laboratory						
28. Are s	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		
<u>Client l</u>	Instruction						

Date



envirotech Inc.

Released to Imaging: 2/26/2024 1:48:41 PM





5796 U.S. Hwy 64 Farmington, NM 87401

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





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**Practical Solutions for a Better Tomorrow** 

## **Analytical Report**

Ensolum, LLC

Project Name: North Brushy Draw Fed 35 #012H

Work Order: E309072

Job Number: 01058-0007

Received: 9/9/2023

Revision: 2

Report Reviewed By:

Walter Hinchman Laboratory Director 9/15/23

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: 9/15/23

Ashley Giovengo 3122 National Parks Hwy Carlsbad, NM 88220



Page 65 of 107

Project Name: North Brushy Draw Fed 35 #012H Workorder: E309072 Date Received: 9/9/2023 9:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/9/2023 9:00:00AM, under the Project Name: North Brushy Draw Fed 35 #012H.

The analytical test results summarized in this report with the Project Name: North Brushy Draw Fed 35 #012H 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

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

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

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

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		Sample Sum	mary			
Ensolum, LLC		Project Name:	North Brushy Draw	Fed 35 #012H	Reported:	
3122 National Parks Hwy		Project Number:	01058-0007		Keporteu:	
Carlsbad NM, 88220		Project Manager:	Ashley Giovengo		09/15/23 12:13	
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container	
SW01 - 0'	E309072-01A	Soil	09/07/23	09/09/23	Glass Jar, 2 oz.	

C



Case Narative:

Project Name: North Brushy Draw Fed 35 #012H Workorder: E309072 Date Received: 9/9/2023

Per client request sample #01 was re-extracted to verify original chloride results. Originally results were reported with a 20x dilution and it was a 2x dilution, the re-extract and bench records all clarified this dilution error.

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

Respectfully,

Walter Hinchman



	~	p 2-					
Ensolum, LLC	Project Name:	Nort	h Brushy	Draw Fe	ed 35 #012H		
3122 National Parks Hwy	Project Numbe	er: 0105	58-0007				Reported:
Carlsbad NM, 88220	Project Manag	ger: Ash	ley Giover	ngo			9/15/2023 12:13:42PM
		SW01 - 0'					
		E309072-01					
		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: RKS		Batch: 2337004
Benzene	ND	0.0250		1	09/11/23	09/12/23	
Ethylbenzene	ND	0.0250		1	09/11/23	09/12/23	
Toluene	ND	0.0250		1	09/11/23	09/12/23	
o-Xylene	ND	0.0250		1	09/11/23	09/12/23	
p,m-Xylene	ND	0.0500		1	09/11/23	09/12/23	
Total Xylenes	ND	0.0250		1	09/11/23	09/12/23	
Surrogate: Bromofluorobenzene		107 %	70-130		09/11/23	09/12/23	
Surrogate: 1,2-Dichloroethane-d4		94.9 %	70-130		09/11/23	09/12/23	
Surrogate: Toluene-d8		101 %	70-130		09/11/23	09/12/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: RKS		Batch: 2337004
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/11/23	09/12/23	
Surrogate: Bromofluorobenzene		107 %	70-130		09/11/23	09/12/23	
Surrogate: 1,2-Dichloroethane-d4		94.9 %	70-130		09/11/23	09/12/23	
Surrogate: Toluene-d8		101 %	70-130		09/11/23	09/12/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: KM		Batch: 2337029
Diesel Range Organics (C10-C28)	ND	25.0		1	09/12/23	09/13/23	
Oil Range Organics (C28-C36)	ND	50.0		1	09/12/23	09/13/23	
Surrogate: n-Nonane		96.2 %	50-200		09/12/23	09/13/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: BA		Batch: 2337018
Chloride	2480	40.0		2	09/11/23	09/13/23	



## **QC Summary Data**

Ensolum, LLC 3122 National Parks Hwy Carlsbad NM, 88220		Project Name: Project Number: Project Manager:	01	orth Brushy Dr 058-0007 shley Giovengo		5 #012H		9	<b>Reported:</b> 0/15/2023 12:13:42PM
		Volatile Organic	Analyst: RKS						
			•	Source				RPD	
Analyte	Result	Reporting Limit	Spike Level	Result	Rec	Rec Limits	RPD	Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2337004-BLK1)							Prepared:	09/11/23 A	Analyzed: 09/11/23
Benzene	ND	0.0250					1		2
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.547		0.500		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.466		0.500		93.1	70-130			
			0.500		103	70-130			
Surrogate: Toluene-d8	0.513		0.500		103	70-150			
LCS (2337004-BS1)							Prepared:	09/11/23 A	Analyzed: 09/11/23
Benzene	2.49	0.0250	2.50		99.4	70-130			
Ethylbenzene	2.57	0.0250	2.50		103	70-130			
Toluene	2.48	0.0250	2.50		99.2	70-130			
o-Xylene	2.67	0.0250	2.50		107	70-130			
p,m-Xylene	5.22	0.0500	5.00		104	70-130			
Total Xylenes	7.89	0.0250	7.50		105	70-130			
Surrogate: Bromofluorobenzene	0.527		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.484		0.500		96.7	70-130			
Surrogate: Toluene-d8	0.501		0.500		100	70-130			
Matrix Spike (2337004-MS1)				Source	: E30905	54-01	Prepared:	09/11/23 A	Analyzed: 09/11/23
Benzene	2.51	0.0250	2.50	ND	100	48-131			
Ethylbenzene	2.58	0.0250	2.50	ND	103	45-135			
Toluene	2.49	0.0250	2.50	ND	99.7	48-130			
o-Xylene	2.67	0.0250	2.50	ND	107	43-135			
p,m-Xylene	5.20	0.0500	5.00	ND	104	43-135			
Total Xylenes	7.87	0.0250	7.50	ND	105	43-135			
Surrogate: Bromofluorobenzene	0.536		0.500		107	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.468		0.500		93.6	70-130			
Surrogate: Toluene-d8	0.498		0.500		99.6	70-130			
Matrix Spike Dup (2337004-MSD1)				Source	: E30905	4-01	Prepared:	09/11/23 A	Analyzed: 09/12/23
Benzene	2.50	0.0250	2.50	ND	99.9	48-131	0.400	23	-
Ethylbenzene	2.59	0.0250	2.50	ND	104	45-135	0.328	27	
Toluene	2.49	0.0250	2.50	ND	99.5	48-130	0.221	24	
o-Xylene	2.68	0.0250	2.50	ND	107	43-135	0.430	27	
p,m-Xylene	5.23	0.0500	5.00	ND	105	43-135	0.623	27	
Total Xylenes	7.91	0.0250	7.50	ND	105	43-135	0.558	27	
Surrogate: Bromofluorobenzene	0.532		0.500		106	70-130			
			0.500		95.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.478								
Surrogate: Toluene-d8	0.496		0.500		99.1	70-130			



## **QC Summary Data**

		QC SI	u I I I I I I	lary Data	a						
Ensolum, LLCProject Name:North Brushy Draw Fed 35 #012H3122 National Parks HwyProject Number:01058-0007Carlsbad NM, 88220Project Manager:Ashley Giovengo									<b>Reported:</b> 9/15/2023 12:13:42PM		
	N	onhalogenated O		Analyst: RKS							
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit			
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes		
Blank (2337004-BLK1)							Prepared:	09/11/23	Analyzed: 09/11/23		
Gasoline Range Organics (C6-C10)	ND	20.0									
Surrogate: Bromofluorobenzene	0.547		0.500		109	70-130					
Surrogate: 1,2-Dichloroethane-d4	0.466		0.500		93.1	70-130					
Surrogate: Toluene-d8	0.513		0.500		103	70-130					
LCS (2337004-BS2)							Prepared:	09/11/23	Analyzed: 09/11/23		
Gasoline Range Organics (C6-C10)	53.3	20.0	50.0		107	70-130					
Surrogate: Bromofluorobenzene	0.536		0.500		107	70-130					
Surrogate: 1,2-Dichloroethane-d4	0.494		0.500		98.8	70-130					
Surrogate: Toluene-d8	0.505		0.500		101	70-130					
Matrix Spike (2337004-MS2)				Source	e: E30905	64-01	Prepared:	09/11/23	Analyzed: 09/12/23		
Gasoline Range Organics (C6-C10)	56.4	20.0	50.0	ND	113	70-130					
Surrogate: Bromofluorobenzene	0.533		0.500		107	70-130					
Surrogate: 1,2-Dichloroethane-d4	0.464		0.500		92.7	70-130					
Surrogate: Toluene-d8	0.508		0.500		102	70-130					
Matrix Spike Dup (2337004-MSD2)				Source	e: E30905	64-01	Prepared:	09/11/23	Analyzed: 09/12/23		
Gasoline Range Organics (C6-C10)	53.2	20.0	50.0	ND	106	70-130	5.78	20			
Surrogate: Bromofluorobenzene	0.531		0.500		106	70-130					
Surrogate: 1,2-Dichloroethane-d4	0.482		0.500		96.4	70-130					
Surrogate: Toluene-d8	0.508		0.500		102	70-130					



## **QC Summary Data**

		QC D	uIIIII	ary Data	a				
Ensolum, LLC 3122 National Parks Hwy Carlsbad NM, 88220		Project Name: Project Number: Project Manager:	0	North Brushy D 11058-0007 Ashley Gioveng		5 #012H			<b>Reported:</b> 9/15/2023 12:13:42PM
	Nonha	alogenated Org	anics by	<b>EPA 8015</b>	) - DRO	/ORO			Analyst: KM
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2337029-BLK1)							Prepared:	09/12/23	Analyzed: 09/13/23
Diesel Range Organics (C10-C28) Oil Range Organics (C28-C36)	ND ND	25.0 50.0							·
Surrogate: n-Nonane	48.7		50.0		97.3	50-200			
LCS (2337029-BS1)							Prepared:	09/12/23	Analyzed: 09/13/23
Diesel Range Organics (C10-C28)	255	25.0	250		102	38-132			
Surrogate: n-Nonane	46.5		50.0		93.0	50-200			
Matrix Spike (2337029-MS1)				Source	e: E30907	6-02	Prepared:	09/12/23	Analyzed: 09/13/23
Diesel Range Organics (C10-C28)	267	25.0	250	ND	107	38-132			
Surrogate: n-Nonane	49.0		50.0		98.1	50-200			
Matrix Spike Dup (2337029-MSD1)				Source	e: E30907	6-02	Prepared:	09/12/23	Analyzed: 09/13/23
Diesel Range Organics (C10-C28)	265	25.0	250	ND	106	38-132	0.743	20	
Surrogate: n-Nonane	46.9		50.0		93.8	50-200			



### **QC Summary Data**

		<b>X</b> U N			~				
Ensolum, LLC 3122 National Parks Hwy Carlsbad NM, 88220		Project Name: Project Number: Project Manager:	(	North Brushy D 01058-0007 Ashley Gioveng		5 #012H			<b>Reported:</b> 9/15/2023 12:13:42PM
		Anions	by EPA	300.0/9056A	<b>\</b>				Analyst: BA
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2337018-BLK1)							Prepared:	09/11/23	Analyzed: 09/12/23
Chloride	ND	20.0							
LCS (2337018-BS1)							Prepared:	09/11/23	Analyzed: 09/12/23
Chloride	267	20.0	250		107	90-110			
Matrix Spike (2337018-MS1)				Source	e: E30904	5-01	Prepared:	09/11/23	Analyzed: 09/12/23
Chloride	287	20.0	250	20.9	106	80-120			
Matrix Spike Dup (2337018-MSD1)				Source	e: E30904	5-01	Prepared:	09/11/23	Analyzed: 09/12/23
Chloride	291	20.0	250	20.9	108	80-120	1.54	20	

QC Summary Report Comment:

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



## **Definitions and Notes**

Γ	Ensolum, LLC	Project Name:	North Brushy Draw Fed 35 #012H	
	3122 National Parks Hwy	Project Number:	01058-0007	Reported:
	Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	09/15/23 12:13

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.



Release Project Information

Received by OCD: 11/2/2023 8:41:33 AM

Page 70 of 107

Client: Ensol	lum, LLC.		-		10.000	Bill To			1. 1853	Li	ab U	se On	ly	an an an an an				TA	Г		EPA P	rogram
Project: Nort				12H		tention: Jim Raley	1		b WO			Job	Num	ber	1	1D 2	D	3D	Stan	dard	CWA	SDWA
Project Mana	ager: Ash	nley Giov	vengo		Ad	dress: 5315 Buena Vista Dr		E	300	0	12	00	5	5002	开				X	:		
Address: 312	22 Nation	nal Parks	Hwy		Cit	y, State, Zip: Carlsbad NM, 882	20			-		Analysis and Meth		hod				ALC: N			RCRA	
City, State, Zi	ip: Carlst	bad NM,	88220		Ph	one: (575)689-7597			hy													
Phone: 575-9	988-0055	5			Err	ail: jim.raley@dvn.com			ORO												State	
Email: agiove	engo@er	nsolum.c	com						30/0	-			0.0			WN		_	N	M CO	UT AZ	TX
Report due b	by:								0/0	802	8260	010	300					¥,		×		
Time Sampled Date	e Sampled	Matrix	No. of Containers	Sample ID			Lab Number		TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC		GDOC			Remarks	
9:10 9/7	7/2023	Soil	1 Jar			SW01 - 0'	113									x						
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Additional In	struction	ns: Plea	ase CC: cl	ourton@ens	olum.com	n, agiovengo@ensolum.com, jin	n.raley@d	vn.c	om, c	hami	ilton				-							
l, (field sampler), a date or time of co						that tampering with or intentionally mislab Sampled by:	elling the sam	ple lo	cation,		-	1.000									they are sam equent days.	pled or
Relinquished by	YR	WA	Date 9 -	.8-23 1	1:12	Received by: (Signature) Michille Cuyl	Date 9-8-	23		112	2	Rece	eivec	l on ice	e:	(Y)	Use N	e Onl	y			
	e tu	infle	Date	-8-23 Tim	1820	Received by: (Signature)	Date <b>9 - 8</b> .	23	Time	320	0	T1				T2			_ 13	}		
Relinquished by	/: (Signatur	e) /	Date 9	9.23	2415	Received by: (Signature)	99.	2	3 Time	10	0	AVG	i Ten	np °C_	l	+						
Sample Matrix: S -	- Soil, Sd - So	olid, Sg - Slu	idge, A - Aqu	eous, O - Other		000 ( 1104	Contain	er Ty	pe:g-	glass	5, p - 1		_		mbe	er glas	s, v -	- VOA				
						er arrangements are made. Hazardou h this COC. The liability of the laborato	s samples wi	ll be i	returne	ed to c	client	or disp	osed	of at the					report	for the a	analysis of	the above
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						Dea	ie 12 of 1	0				C	-		0	5		V		14	11	5

### **Envirotech Analytical Laboratory**

### Sample Receipt Checklist (SRC)

Client:	Ensolum, LLC Da	ate Received:	09/09/23	09:00	Work Order ID:	E309072
Phone:	(575) 988-0055 Da	ate Logged In:	09/09/23	11:09	Logged In By:	Alexa Michaels
Email:		ue Date:	09/15/23	17:00 (4 day TAT)		
Chain o	f 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 tl	he COC complete, i.e., signatures, dates/times, requested	l analyses?	Yes			
5. Were	all samples received within holding time? Note: Analysis, such as pH which should be conducted in the i.e, 15 minute hold time, are not included in this disucssion.	e field,	Yes		Commen	ts/Resolution
Sample	Turn Around Time (TAT)					
	ne COC indicate standard TAT, or Expedited TAT?		Yes			
Sample	· •					
	sample cooler received?		Yes			
	, was cooler received in good condition?		Yes			
9. Was tl	he sample(s) received intact, i.e., not broken?		Yes			
	e custody/security seals present?		No			
	s, were custody/security seals intact?		NA			
-	the sample received on ice? If yes, the recorded temp is 4°C, i.e.		Yes			
	Note: Thermal preservation is not required, if samples are re- minutes of sampling	cerved w/115				
13. If no	visible ice, record the temperature. Actual sample ten	nperature: <u>4°</u>	<u>C</u>			
Sample	Container					
	aqueous VOC samples present?		No			
15. Are '	VOC samples collected in VOA Vials?		NA			
16. Is the	e 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 1	non-VOC samples collected in the correct containers?		Yes			
19. Is the	appropriate volume/weight or number of sample containers	collected?	Yes			
Field La	abel					
20. Were	e field sample labels filled out with the minimum inform	ation:				
S	Sample ID?		Yes			
	Date/Time Collected?		Yes			
	Collectors name?		Yes			
	<u>Preservation</u>	an and the second	ът.			
	s the COC or field labels indicate the samples were prese	rveu?	No NA			
	sample(s) correctly preserved? b filteration required and/or requested for dissolved meta	169	NA No			
			INO			
	nase Sample Matrix					
	s the sample have more than one phase, i.e., multiphase?		No			
	s, does the COC specify which phase(s) is to be analyzed	a:	NA			
	tract Laboratory					
	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		

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



•

Report to: Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





# envirotech

**Practical Solutions for a Better Tomorrow** 

## **Analytical Report**

Ensolum, LLC

Project Name: North Brushy D

North Brushy Draw Fed 35 #012H

Work Order: E309073

Job Number: 01058-0007

Received: 9/9/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 9/13/23

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: 9/13/23

Ashley Giovengo 3122 National Parks Hwy Carlsbad, NM 88220 e

Page 78 of 107

Project Name: North Brushy Draw Fed 35 #012H Workorder: E309073 Date Received: 9/9/2023 9:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/9/2023 9:00:00AM, under the Project Name: North Brushy Draw Fed 35 #012H.

The analytical test results summarized in this report with the Project Name: North Brushy Draw Fed 35 #012H 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

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

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

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

Envirotech Web Address: www.envirotech-inc.com

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		Sample Sum	mary	
Ensolum, LLC		Project Name:	North Brushy Draw Fed 35 #012H	Depertude
3122 National Parks Hwy		Project Number:	01058-0007	Reported:
Carlsbad NM, 88220		Project Manager:	Ashley Giovengo	09/13/23 12:24
Client Sample ID	I ab Samula ID		Sampled Dessived C	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS06 - 0'	E309073-01A	Soil	09/07/23	09/09/23	Glass Jar, 2 oz.
SS07 - 0'	E309073-02A	Soil	09/07/23	09/09/23	Glass Jar, 2 oz.



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		ampic D				
Ensolum, LLC	Project Nam	e: Nort	h Brushy Drav	w Fed 35 #012H		
3122 National Parks Hwy	Project Num	ber: 0105	58-0007			Reported:
Carlsbad NM, 88220	Project Mana	ager: Ashi	ley Giovengo	9/13/2023 12:24:59PM		
		SS06 - 0'				
		E309073-01				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Ana	alyst: RKS		Batch: 2337004
Benzene	ND	0.0250	1	09/11/23	09/12/23	
Ethylbenzene	ND	0.0250	1	09/11/23	09/12/23	
Toluene	ND	0.0250	1	09/11/23	09/12/23	
o-Xylene	ND	0.0250	1	09/11/23	09/12/23	
o,m-Xylene	ND	0.0500	1	09/11/23	09/12/23	
Total Xylenes	ND	0.0250	1	09/11/23	09/12/23	
Surrogate: Bromofluorobenzene		104 %	70-130	09/11/23	09/12/23	
Surrogate: 1,2-Dichloroethane-d4		93.9 %	70-130	09/11/23	09/12/23	
Surrogate: Toluene-d8		101 %	70-130	09/11/23	09/12/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: RKS		Batch: 2337004
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/11/23	09/12/23	
Surrogate: Bromofluorobenzene		104 %	70-130	09/11/23	09/12/23	
Surrogate: 1,2-Dichloroethane-d4		93.9 %	70-130	09/11/23	09/12/23	
Surrogate: Toluene-d8		101 %	70-130	09/11/23	09/12/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: JL		Batch: 2337030
Diesel Range Organics (C10-C28)	ND	25.0	1	09/12/23	09/12/23	
Dil Range Organics (C28-C36)	ND	50.0	1	09/12/23	09/12/23	
Surrogate: n-Nonane		101 %	50-200	09/12/23	09/12/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: BA		Batch: 2337018
Chloride	136	40.0	2	09/11/23	09/13/23	



	D	ample D	ata				
Ensolum, LLC 3122 National Parks Hwy Carlsbad NM, 88220	Project Name: Project Numb Project Manag	er: 0103	h Brushy 58-0007 ley Giover		ed 35 #012H		<b>Reported:</b> 9/13/2023 12:24:59PM
		SS07 - 0'					
		E309073-02					
		Reporting					
Analyte	Result	Limit	Dil	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	RKS		Batch: 2337004
Benzene	ND	0.0250		1	09/11/23	09/12/23	
Ethylbenzene	ND	0.0250		1	09/11/23	09/12/23	
Toluene	ND	0.0250		1	09/11/23	09/12/23	
p-Xylene	ND	0.0250		1	09/11/23	09/12/23	
o,m-Xylene	ND	0.0500		1	09/11/23	09/12/23	
Total Xylenes	ND	0.0250		1	09/11/23	09/12/23	
Surrogate: Bromofluorobenzene		107 %	70-130		09/11/23	09/12/23	
Surrogate: 1,2-Dichloroethane-d4		96.5 %	70-130		09/11/23	09/12/23	
Surrogate: Toluene-d8		102 %	70-130		09/11/23	09/12/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: RKS		Batch: 2337004
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/11/23	09/12/23	
Surrogate: Bromofluorobenzene		107 %	70-130		09/11/23	09/12/23	
Surrogate: 1,2-Dichloroethane-d4		96.5 %	70-130		09/11/23	09/12/23	
Surrogate: Toluene-d8		102 %	70-130		09/11/23	09/12/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: JL		Batch: 2337030
Diesel Range Organics (C10-C28)	ND	25.0		1	09/12/23	09/12/23	
Dil Range Organics (C28-C36)	ND	50.0		1	09/12/23	09/12/23	
Surrogate: n-Nonane		104 %	50-200		09/12/23	09/12/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA			Batch: 2337018
Chloride	38.8	20.0		1	09/11/23	09/13/23	



## **QC Summary Data**

				•							
Ensolum, LLC		Project Name:		orth Brushy Di	raw Fed 3	5 #012H			Reported:		
3122 National Parks Hwy		Project Number:	01	058-0007							
Carlsbad NM, 88220		Project Manager:	As	shley Gioveng	0			9/1	3/2023 12:24:59PM		
		Volatile Organic	Compo	unds by EP	A 8260F	3	Analyst: RKS				
Analyte		Reporting	Spike	Source		Rec		RPD			
,	Result	Limit	Level	Result	Rec	Limits	RPD	Limit			
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes		
Blank (2337004-BLK1)							Prepared: 09	9/11/23 Anal	yzed: 09/11/23		
Benzene	ND	0.0250									
Ethylbenzene	ND	0.0250									
Toluene	ND	0.0250									
p-Xylene	ND	0.0250									
p,m-Xylene	ND	0.0500									
Total Xylenes	ND	0.0250									
Surrogate: Bromofluorobenzene	0.547		0.500		109	70-130					
Surrogate: 1,2-Dichloroethane-d4	0.466		0.500		93.1	70-130					
Surrogate: Toluene-d8	0.513		0.500		103	70-130					
LCS (2337004-BS1)							Prepared: 09	yzed: 09/11/23			
Benzene	2.49	0.0250	2.50		99.4	70-130					
Ethylbenzene	2.57	0.0250	2.50		103	70-130					
Toluene	2.48	0.0250	2.50		99.2	70-130					
p-Xylene	2.67	0.0250	2.50		107	70-130					
o,m-Xylene	5.22	0.0500	5.00		104	70-130					
Total Xylenes	7.89	0.0250	7.50		105	70-130					
Surrogate: Bromofluorobenzene	0.527		0.500		105	70-130					
Surrogate: 1,2-Dichloroethane-d4	0.484		0.500		96.7	70-130					
Surrogate: Toluene-d8	0.501		0.500		100	70-130					
Matrix Spike (2337004-MS1)				Source: 1	E309054-0	01	Prepared: 09	9/11/23 Anal	yzed: 09/11/23		
Benzene	2.51	0.0250	2.50	ND	100	48-131					
Ethylbenzene	2.58	0.0250	2.50	ND	103	45-135					
Toluene	2.49	0.0250	2.50	ND	99.7	48-130					
p-Xylene	2.67	0.0250	2.50	ND	107	43-135					
p,m-Xylene	5.20	0.0500	5.00	ND	104	43-135					
Total Xylenes	7.87	0.0250	7.50	ND	105	43-135					
Surrogate: Bromofluorobenzene	0.536		0.500		107	70-130					
Surrogate: 1,2-Dichloroethane-d4	0.468		0.500		93.6	70-130					
Surrogate: Toluene-d8	0.498		0.500		99.6	70-130					
Matrix Spike Dup (2337004-MSD1)				Source:	E309054-(				yzed: 09/12/23		
Benzene	2.50	0.0250	2.50	ND	99.9	48-131	0.400	23			
Ethylbenzene	2.59	0.0250	2.50	ND	104	45-135	0.328	27			
Toluene	2.49	0.0250	2.50	ND	99.5	48-130	0.221	24			
p-Xylene	2.68	0.0250	2.50	ND	107	43-135	0.430	27			
p,m-Xylene	5.23	0.0500	5.00	ND	105	43-135	0.623	27			
Total Xylenes	7.91	0.0250	7.50	ND	105	43-135	0.558	27			
Surrogate: Bromofluorobenzene	0.532		0.500		106	70-130					
Surrogate: 1,2-Dichloroethane-d4	0.478		0.500		95.5	70-130					
	0.496		0.500		99.1						



## **QC Summary Data**

		QC DI		ary Data	4				
Ensolum, LLC 3122 National Parks Hwy Carlsbad NM, 88220		Project Name: Project Number: Project Manager:		North Brushy D 01058-0007 Ashley Gioveng		5 #012H			<b>Reported:</b> 9/13/2023 12:24:59PM
	No		Analyst: RKS						
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2337004-BLK1)							Prepared: 0	9/11/23 A	Analyzed: 09/11/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.547		0.500		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.466		0.500		93.1	70-130			
Surrogate: Toluene-d8	0.513		0.500		103	70-130			
LCS (2337004-BS2)							Prepared: 0	9/11/23 A	Analyzed: 09/11/23
Gasoline Range Organics (C6-C10)	53.3	20.0	50.0		107	70-130			
Surrogate: Bromofluorobenzene	0.536		0.500		107	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.494		0.500		98.8	70-130			
Surrogate: Toluene-d8	0.505		0.500		101	70-130			
Matrix Spike (2337004-MS2)				Source:	E309054-(	01	Prepared: 0	9/11/23 A	Analyzed: 09/12/23
Gasoline Range Organics (C6-C10)	56.4	20.0	50.0	ND	113	70-130			
Surrogate: Bromofluorobenzene	0.533		0.500		107	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.464		0.500		92.7	70-130			
Surrogate: Toluene-d8	0.508		0.500		102	70-130			
Matrix Spike Dup (2337004-MSD2)				Source:	E309054-(	01	Prepared: 0	9/11/23 A	Analyzed: 09/12/23
Gasoline Range Organics (C6-C10)	53.2	20.0	50.0	ND	106	70-130	5.78	20	
Surrogate: Bromofluorobenzene	0.531		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.482		0.500		96.4	70-130			
surrogate: 1,2 Diemoroemane ur									



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## **QC Summary Data**

		QC BI		ary Data								
Ensolum, LLC 3122 National Parks Hwy Carlsbad NM, 88220		Project Name: Project Number: Project Manager:	(	North Brushy Dra 01058-0007 Ashley Giovengo	w Fed 3	5 #012H		<b>Reported:</b> 9/13/2023 12:24:591				
	Nonhalogenated Organics by EPA 8015D - DRO/ORO Analyst: JL											
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes			
Blank (2337030-BLK1)							Prepared: 0	9/12/23 A	Analyzed: 09/12/23			
Diesel Range Organics (C10-C28) Oil Range Organics (C28-C36)	ND ND	25.0 50.0										
Surrogate: n-Nonane	48.4		50.0		96.8	50-200						
LCS (2337030-BS1)							Prepared: 0	9/12/23 A	Analyzed: 09/12/23			
Diesel Range Organics (C10-C28)	260	25.0	250		104	38-132						
Surrogate: n-Nonane	47.6		50.0		95.1	50-200						
Matrix Spike (2337030-MS1)				Source: E	309070-	05	Prepared: 0	9/12/23 A	Analyzed: 09/12/23			
Diesel Range Organics (C10-C28)	252	25.0	250	ND	101	38-132						
Surrogate: n-Nonane	47.4		50.0		94.8	50-200						
Matrix Spike Dup (2337030-MSD1)				Source: E	309070-	05	Prepared: 0	9/12/23 A	Analyzed: 09/12/23			
Diesel Range Organics (C10-C28)	262	25.0	250	ND	105	38-132	3.99	20				
Surrogate: n-Nonane	48.3		50.0		96.5	50-200						



### **QC Summary Data**

		QU N	u						
Ensolum, LLC 3122 National Parks Hwy Carlsbad NM, 88220		Project Name: Project Number: Project Manager:		North Brushy D 01058-0007 Ashley Gioveng		5 #012H			<b>Reported:</b> 9/13/2023 12:24:59PM
		Analyst: BA							
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2337018-BLK1)							Prepared: 0	9/11/23 A	Analyzed: 09/12/23
Chloride	ND	20.0							
LCS (2337018-BS1)							Prepared: 0	9/11/23 A	Analyzed: 09/12/23
Chloride	267	20.0	250		107	90-110			
Matrix Spike (2337018-MS1)				Source:	E309045-(	01	Prepared: 0	9/11/23 A	Analyzed: 09/12/23
Chloride	287	20.0	250	20.9	106	80-120			
Matrix Spike Dup (2337018-MSD1)				Source:	E309045-(	01	Prepared: 0	9/11/23 A	Analyzed: 09/12/23
Chloride	291	20.0	250	20.9	108	80-120	1.54	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**

Ensolum, LLC	Project Name:	North Brushy Draw Fed 35 #012H	
3122 National Parks Hwy	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	09/13/23 12:24

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.



Reproject Information

Received by OCD: 11/2/2023 8:41:33 AM

Project. North Brushry Draw Fed 35 B032H         Attention: Jim Raley         Lab Work         Job Number         1D 20         3D Standard         C/W           Address: 3122 National Parks Hwy         City, State, Ziv: Carlsbad NM, 88220         How Ore         Job Number         Ibo Number	Client:	Ensolum, LLC					Bill To		1	are areas	La	ab Us	se Or	nly		TAT				EPA P	ogram	
Project Manager: Ashley Glovengo       Address: 3215 Buena Vista Dr.       Carbon Participation Participati Participati Participation Participation Participation P					12H	Sec.	Attention: Jim Raley		Lab	WO#	ŧ	Sil					) 2D	3D	Sta	andard	CWA	SDWA
Address: 3122 National Parks Hwy       City, State, Zip: Carkbad NM, 88220       Analysis and Method         Phone: 575-988-0055       Email: ilim:ralev@dvn.com       Time       Time       Namedou         Time       Date Sampled       Matrix       Sample ID       Namedou       State         Time       Date Sampled       Matrix       Sample ID       Namedou       State         Time       Date Sampled       Matrix       Sample ID       Namedou       Namedou         10:36       9/7/2023       Soil       1 Jar       SS06 - 0'       1       Namedou       Namedou         10:47       9/7/2023       Soil       1 Jar       SS07 - 0'       2       Namedou       Namedou       Namedou         10:47       9/7/2023       Soil       1 Jar       SS07 - 0'       2       Namedou       Namedou       Namedou         10:47       9/7/2023       Soil       1 Jar       SS07 - 0'       2       Namedou       Namedou       Namedou         10:47       9/7/2023       Soil       1 Jar       SS07 - 0'       2       Namedou       Namedo	Project	Manager: As	hley Gio	vengo			Address: 5315 Buena Vista Dr		E	200	105	13	OK	58	$\infty \overline{F}$	₽				x		
Interest: S75-988-0055         Intel:       Email:       Email: <td>Address</td> <td>: 3122 Natio</td> <td>nal Parks</td> <td>s Hwy</td> <td></td> <td></td> <td>City, State, Zip: Carlsbad NM,</td> <td>88220</td> <td></td> <td>and a second second</td> <td></td> <td>RCRA</td>	Address	: 3122 Natio	nal Parks	s Hwy			City, State, Zip: Carlsbad NM,	88220												and a second second		RCRA
10:36       9/7/2023       Soil       1 Jar       SS06 - 0°       1       x       x         10:47       9/7/2023       Soil       1 Jar       SS07 - 0°       2       x       x       x         10:47       9/7/2023       Soil       1 Jar       SS07 - 0°       2       x       x       x         10:47       9/7/2023       Soil       1 Jar       SS07 - 0°       2       x       x       x         10:47       9/7/2023       Soil       1 Jar       SS07 - 0°       2       x       x       x         10:47       9/7/2023       Soil       1 Jar       SS07 - 0°       2       x       x       x         10:47       9/7/2023       Soil       1 Jar       SS07 - 0°       2       x       x       x       x         10:47       9/7/2023       Soil       1 Jar       SS07 - 0°       2       x	City, Sta	te, Zip: Carls	bad NM	,88220			Phone: (575)689-7597			by						T						
10:36       9/7/2023       Soil       1 Jar       SS06 - 0°       1       x       x         10:47       9/7/2023       Soil       1 Jar       SS07 - 0°       2       x       x       x         10:47       9/7/2023       Soil       1 Jar       SS07 - 0°       2       x       x       x         10:47       9/7/2023       Soil       1 Jar       SS07 - 0°       2       x       x       x         10:47       9/7/2023       Soil       1 Jar       SS07 - 0°       2       x       x       x         10:47       9/7/2023       Soil       1 Jar       SS07 - 0°       2       x       x       x         10:47       9/7/2023       Soil       1 Jar       SS07 - 0°       2       x       x       x       x         10:47       9/7/2023       Soil       1 Jar       SS07 - 0°       2       x	Phone:	575-988-005	5				Email: jim.raley@dvn.com			ORO											State	
10:36       9/7/2023       Soil       1 Jar       SS06 - 0°       1       x       x         10:47       9/7/2023       Soil       1 Jar       SS07 - 0°       2       x       x       x         10:47       9/7/2023       Soil       1 Jar       SS07 - 0°       2       x       x       x         10:47       9/7/2023       Soil       1 Jar       SS07 - 0°       2       x       x       x         10:47       9/7/2023       Soil       1 Jar       SS07 - 0°       2       x       x       x         10:47       9/7/2023       Soil       1 Jar       SS07 - 0°       2       x       x       x         10:47       9/7/2023       Soil       1 Jar       SS07 - 0°       2       x       x       x       x         10:47       9/7/2023       Soil       1 Jar       SS07 - 0°       2       x	Email: a	agiovengo@e	ensolum.	com						0/0	-			0.		2				NM CO	UT AZ	TX
10:36       9/7/2023       Soil       1 Jar       SS06 - 0°       1       x       x         10:47       9/7/2023       Soil       1 Jar       SS07 - 0°       2       x       x       x         10:47       9/7/2023       Soil       1 Jar       SS07 - 0°       2       x       x       x         10:47       9/7/2023       Soil       1 Jar       SS07 - 0°       2       x       x       x         10:47       9/7/2023       Soil       1 Jar       SS07 - 0°       2       x       x       x         10:47       9/7/2023       Soil       1 Jar       SS07 - 0°       2       x       x       x         10:47       9/7/2023       Soil       1 Jar       SS07 - 0°       2       x       x       x       x         10:47       9/7/2023       Soil       1 Jar       SS07 - 0°       2       x       x       x       x         10:47       9/7/2023       Soil       1 Jar       SS07 - 0°       2       x       x       x       x       x       x       x       x       x       x       x       x       x       x       x       x       x       <	Report	due by:				10,000				/DR	802:	3260	010	300				¥				
10:36       9/7/2023       Soil       1 Jar       SS06-0°       1       x       x         10:47       9/7/2023       Soil       1 Jar       SS07-0°       2       x       x       x         10:47       9/7/2023       Soil       1 Jar       SS07-0°       2       x       x       x         10:47       9/7/2023       Soil       1 Jar       SS07-0°       2       x       x       x         10:47       9/7/2023       Soil       1 Jar       SS07-0°       2       x       x       x         10:47       9/7/2023       Soil       1 Jar       SS07-0°       2       x       x       x         10:47       9/7/2023       Soil       1 Jar       SS07-0°       2       x       x       x       x         10:47       9/7/2023       Soil       1 Jar       SS07-0°       2       x	Time			No. of				Lab		GRC	(by	by 8	als 6	ride		0	3	N				
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Additional Instructions:       Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@dvn.com, chamilton@ensolum.com         Additional Instructions:       Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@dvn.com, chamilton@ensolum.com         I. Ifeld sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, samples for legal action.       Sample sample location, samples for legal action.         Relinguighed by: (Signature)       Plase 2.3       Time       Date       Plase 2.3       Time         Relinguighed by: (Signature)       Plase 2.3       Time       Date       Plase 2.3       Time       Image Matrixes - soil, Ser. Sudge, A - Augeous, 0 - Other       Date       Plase, 2.3       Time       Container Type: graps. poly/plastic, agr - amber glass, v - VOA	10:36	9/7/2023	Soil	1 Jar			SS06 - 0'	)													-	
Additional Instructions:       Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@dvn.com, chamilton@ensolum.com         I. (field sampler), attext to the validity and authenticity of this sample. Tam aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be gounds for legal action.       Sample to the validity and authenticity of this sample. Tam aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be gounds for legal action.       Sample to the validity and authenticity of this sample. Tam aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be gounds for legal action.       Sample to the validity and authenticity of this sample. Tam aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be gounds for legal action.       Sample to the validity and authenticity of the sample. Tam aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be gounds for legal action.       Sample to the validity and authenticity of the sample. Tam aware that tampering with or intentionally mislabelling.       Date or time of collection is considered fraud and may be gounds for legal action.       Sample to the validity and authenticity of the sample. Tam aware that tampering with or intentionally mislabelling.       Date or time of collection is considered fraud and may be gounds for legal action.       Sample to the validity.       Time of collection is considered fraud and may be gounds for legal action.       Sample tothe validity.       Time of collection is cons	10:47	9/7/2023	Soil	1 Jar			SS07 - 0'	2								,	(					
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Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA				Date	9.23 Time	541		1 Date	.72	Time	in	2		Tama	°c	ų				13	15455	
	Sample Ma	atrix: S - Soil Sd -	Solid So - Sh	Idge A - Ani	eous Q - Other	11	- myn	Contain	ar Tun	1	alacc	_				her	alacc	V-V0	٨	No.		
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	and the second se				Strayt - Strayt	unless o	ther arrangements are made. Hazar													ort for the a	nalysis of t	he 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.	samples i	s applicable only	y to those s	amples rec	eived by the labo	oratory	with this COC. The liability of the labo	oratory is limited	to the	amour	nt paid	d for o	on the	report		nent	expen	Je. 111	erepu	in the a	indiysis of t	above
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envirot													(=	3		C		16	II	re	71	01

### **Envirotech Analytical Laboratory**

### Sample Receipt Checklist (SRC)

Client:	Ensolum, LLC	Date Received:	09/09/23	09:00	Work Order ID:	E309073
Phone:	(575) 988-0055 E	Date Logged In:	09/09/23	11:11	Logged In By:	Alexa Michaels
Email:	a.giovengo@ensolum.com	Due Date:	09/15/23	17:00 (4 day TAT)		
Chain of	f Custody (COC)					
1. Does t	the sample ID match the COC?		Yes			
2. Does t	the number of samples per sampling site location match	the COC	Yes			
3. Were s	samples dropped off by client or carrier?		Yes	Carrier: Courier		
4. Was th	ne COC complete, i.e., signatures, dates/times, requeste	d analyses?	Yes			
5. Were a	all samples received within holding time? Note: Analysis, such as pH which should be conducted in th i.e, 15 minute hold time, are not included in this disucssion.		Yes		Commen	ts/Resolution
Sample '	<u>Turn Around Time (TAT)</u>					
6. Did th	e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample (	<u>Cooler</u>					
7. Was a	sample cooler received?		Yes			
8. If yes,	was cooler received in good condition?		Yes			
9. Was th	he sample(s) received intact, i.e., not broken?		Yes			
10. Were	e custody/security seals present?		No			
11. If yes	s, were custody/security seals intact?		NA			
12. Was th	he sample received on ice? If yes, the recorded temp is 4°C, i.e. Note: Thermal preservation is not required, if samples are re- minutes of sampling		Yes			
13. If no	visible ice, record the temperature. Actual sample te	mperature: 4°	С			
	Container	·				
	aqueous VOC samples present?		No			
	VOC samples collected in VOA Vials?		NA			
	e head space less than 6-8 mm (pea sized or less)?		NA			
	a trip blank (TB) included for VOC analyses?		NA			
	non-VOC samples collected in the correct containers?		Yes			
19. Is the	appropriate volume/weight or number of sample container	rs collected?	Yes			
Field La	bel					
20. Were	field sample labels filled out with the minimum inform	nation:				
	Sample ID?		Yes			
	Date/Time Collected?		Yes			
	Collectors name?		Yes			
	<u>Preservation</u> the COC or field labels indicate the samples were pres	erved?	No			
	sample(s) correctly preserved?		NA			
	o filteration required and/or requested for dissolved met	tals?	No			
	ase Sample Matrix					
	the sample have more than one phase, i.e., multiphase	9	No			
	s, does the COC specify which phase(s) is to be analyze		NA			
-	ract Laboratory		11/1			
-	samples required to get sent to a subcontract laboratory	9	No			
	a subcontract laboratory specified by the client and if so		NA	Subcontract Lab: NA		

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



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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:	North Brushy Draw Federal 35 #012H
Work Order:	E310187
Job Number:	01058-0007
Received:	10/20/2023

Revision: 2

Report Reviewed By:

Walter Hinchman Laboratory Director 10/27/23

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: 10/27/23

Ashley Giovengo 6488 7 Rivers Hwy Artesia, NM 88210



Page 91 of 107

Project Name: North Brushy Draw Federal 35 #012H Workorder: E310187 Date Received: 10/20/2023 8:10:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/20/2023 8:10:00AM, under the Project Name: North Brushy Draw Federal 35 #012H.

The analytical test results summarized in this report with the Project Name: North Brushy Draw Federal 35 #012H 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

Field Offices:

Southern New Mexico Area Lynn Jarboe Laboratory Technical Representative Office: 505-421-LABS(5227) Cell: 505-320-4759 ljarboe@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

Michelle Golzales Client Representative Office: 505-421-LABS(5227) Cell: 505-947-8222 mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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*		Sample Sum	mary		
Devon Energy - Carlsbad 6488 7 Rivers Hwy		Project Name: Project Number:	North Brushy Draw 01058-0007	2H Reported:	
Artesia NM, 88210		Project Manager:	Ashley Giovengo		10/27/23 12:13
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS08A - 1'	E310187-01A	Soil	10/18/23	10/20/23	Glass Jar, 2 oz.
SS08B - 2'	E310187-02A	Soil	10/18/23	10/20/23	Glass Jar, 4 oz.



	~	ampie D									
Devon Energy - Carlsbad	Project Name	e: Nor	th Brushy Draw F	ederal 35 #012H							
6488 7 Rivers Hwy	Project Num	ber: 010	58-0007		Reported:						
Artesia NM, 88210	Project Mana	ager: Ash	ley Giovengo	10/27/2023 12:13:56PM							
		SS08A - 1'									
		E310187-01									
Reporting											
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes					
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: RKS		Batch: 2342092					
Benzene	ND	0.0250	1	10/19/23	10/25/23						
Ethylbenzene	ND	0.0250	1	10/19/23	10/25/23						
Toluene	ND	0.0250	1	10/19/23	10/25/23						
p-Xylene	ND	0.0250	1	10/19/23	10/25/23						
p,m-Xylene	ND	0.0500	1	10/19/23	10/25/23						
Total Xylenes	ND	0.0250	1	10/19/23	10/25/23						
Surrogate: 4-Bromochlorobenzene-PID		93.5 %	70-130	10/19/23	10/25/23						
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: RKS		Batch: 2342092					
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/19/23	10/25/23						
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.5 %	70-130	10/19/23	10/25/23						
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: KM		Batch: 2342115					
Diesel Range Organics (C10-C28)	ND	25.0	1	10/20/23	10/20/23						
Oil Range Organics (C28-C36)	ND	50.0	1	10/20/23	10/20/23						
Surrogate: n-Nonane		98.9 %	50-200	10/20/23	10/20/23						
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: RAS		Batch: 2342102					
Chloride	6400	400	20	10/20/23	10/24/23						



	impre 2										
Project Name:		•	ederal 35 #012H		<b>D</b>						
·			<b>Reported:</b>								
Project Manage	er: Ash	ley Giovengo	10/27/2023 12:13:56PM								
	SS08B - 2'										
]	E310187-02										
Reporting Analyte Result Limit Dilution Prepared Analyzed											
Result	Limit	Dilution	Prepared	Analyzed	Notes						
mg/kg	mg/kg	Analyst	: RKS		Batch: 2342092						
ND	0.0250	1	10/19/23	10/25/23							
ND	0.0250	1	10/19/23	10/25/23							
ND	0.0250	1	10/19/23	10/25/23							
ND	0.0250	1	10/19/23	10/25/23							
ND	0.0500	1	10/19/23	10/25/23							
ND	0.0250	1	10/19/23	10/25/23							
	93.2 %	70-130	10/19/23	10/25/23							
mg/kg	mg/kg	Analyst	: RKS		Batch: 2342092						
ND	20.0	1	10/19/23	10/25/23							
	93.6 %	70-130	10/19/23	10/25/23							
mg/kg	mg/kg	Analyst	: KM		Batch: 2342115						
ND	25.0	1	10/20/23	10/20/23							
ND	50.0	1	10/20/23	10/20/23							
	95.3 %	50-200	10/20/23	10/20/23							
		ng/kg Analyst: RAS									
mg/kg	mg/kg	Analyst	: RAS		Batch: 2342102						
-	Project Name: Project Numbe Project Manag Result mg/kg ND ND ND ND ND ND ND ND ND ND ND ND ND	Project Name:         Nor           Project Number:         010;           Project Manager:         Ash           SS08B - 2'         E310187-02           E310187-02         E310187-02           Result         Limit           mg/kg         mg/kg           ND         0.0250           ND         20.0           93.6 %         mg/kg           mg/kg         mg/kg           mg/kg         mg/kg           Mg/kg         Mg/kg	Project Number:       01058-0007         Project Manager:       Ashley Giovengo         SS08B - 2'       E310187-02         E310187-02       E310187-02         Result       Limit       Dilution         mg/kg       mg/kg       Analyst         ND       0.0250       1         ND       20.0       1         MD       20.0       1         MD       20.0       1         MD       25.0       1         ND       25.0       1         ND       50.0       1	North Brushy Draw Federal 35 #012H         Project Namager:       North Brushy Draw Federal 35 #012H         Project Manager:       Ashley Giovengo         SS08B - 2'       SS08B - 2'         E310187-02       Project Manager:       North Brushy Draw Federal 35 #012H         Result       Limit       Dilution       Prepared         Result       Limit       Dilution       Prepared         MD       0.0250       1       10/19/23         ND       20.02       1       10/19/23         ND       20.02       1       10/19/23         MD       20.0       1       10/19/23         MD       20.0       1       10/19/23         MD       20.0       1	North Brushy Draw Federal 35 #012H         Project Number:       01058-0007         Project Manager:       Ashley Giovengo         SS08B - 2'         E310187-02         Result       Limit       Dilution       Prepared       Analyzed         mg/kg       mg/kg       Analyzet       Intervention       Intervention         ND       0.0250       1       10/19/23       10/25/23         ND       20.0       1       10/19/23       10/25/23         MD       20.0       1       10/19/23       10/25/23         MD						

	56	impic D	ata			
Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Project Numbe Project Manag	er: 010	th Brushy Draw F 58-0007 ley Giovengo	<b>Reported:</b> 10/27/2023 12:13:56PM		
	S	S08C - 2.25'				
		E310187-03				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: RKS		Batch: 2342092
Benzene	ND	0.0250	1	10/19/23	10/25/23	
Ethylbenzene	ND	0.0250	1	10/19/23	10/25/23	
Toluene	ND	0.0250	1	10/19/23	10/25/23	
o-Xylene	ND	0.0250	1	10/19/23	10/25/23	
o,m-Xylene	ND	0.0500	1	10/19/23	10/25/23	
Fotal Xylenes	ND	0.0250	1	10/19/23	10/25/23	
urrogate: 4-Bromochlorobenzene-PID		94.4 %	70-130	10/19/23	10/25/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: RKS		Batch: 2342092
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/19/23	10/25/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.1 %	70-130	10/19/23	10/25/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: KM		Batch: 2342115
Diesel Range Organics (C10-C28)	ND	25.0	1	10/20/23	10/20/23	
Dil Range Organics (C28-C36)	ND	50.0	1	10/20/23	10/20/23	
Gurrogate: n-Nonane		99.9 %	50-200	10/20/23	10/20/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: RAS		Batch: 2342102
Chloride	580	20.0	1	10/20/23	10/24/23	



## **QC Summary Data**

Devon Energy - Carlsbad		Project Name:	N	orth Brushy D	Draw Feder	al 35 #012	H		Reported:
6488 7 Rivers Hwy		Project Number:	01	058-0007					Reporteur
Artesia NM, 88210		Project Manager:		shley Gioveng	20				10/27/2023 12:13:56PM
		, ,							
		Volatile O	rganics b	by EPA 802	21B				Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2342092-BLK1)							Prepared: 1	0/19/23 A	nalyzed: 10/25/23
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	7.77		8.00		97.1	70-130			
LCS (2342092-BS1)							Prepared: 1	0/19/23 A	analyzed: 10/25/23
Benzene	4.97	0.0250	5.00		99.5	70-130			
Ethylbenzene	4.87	0.0250	5.00		97.4	70-130			
Foluene	4.94	0.0250	5.00		98.8	70-130			
p-Xylene	4.93	0.0250	5.00		98.7	70-130			
p,m-Xylene	9.92	0.0500	10.0		99.2	70-130			
Total Xylenes	14.9	0.0250	15.0		99.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.75		8.00		96.9	70-130			
Matrix Spike (2342092-MS1)				Source:	E310132-	14	Prepared: 1	0/19/23 A	analyzed: 10/25/23
Benzene	4.95	0.0250	5.00	ND	99.0	54-133			
Ethylbenzene	4.86	0.0250	5.00	ND	97.1	61-133			
Toluene	4.92	0.0250	5.00	ND	98.4	61-130			
p-Xylene	4.89	0.0250	5.00	ND	97.7	63-131			
p,m-Xylene	9.89	0.0500	10.0	ND	98.9	63-131			
Total Xylenes	14.8	0.0250	15.0	ND	98.5	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.85		8.00		98.2	70-130			
Matrix Spike Dup (2342092-MSD1)				Source:	E310132-	14	Prepared: 1	0/19/23 A	analyzed: 10/25/23
Benzene	5.11	0.0250	5.00	ND	102	54-133	3.12	20	
Ethylbenzene	5.02	0.0250	5.00	ND	100	61-133	3.29	20	
Toluene	5.08	0.0250	5.00	ND	102	61-130	3.20	20	
p-Xylene	5.05	0.0250	5.00	ND	101	63-131	3.23	20	
p,m-Xylene	10.2	0.0500	10.0	ND	102	63-131	3.09	20	
	15.2	0.0250	15.0	ND	102	63-131	3.14	20	



## **QC Summary Data**

		QC D	umm	ary Data	4				
Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210		Project Name: Project Number:	(	North Brushy D 01058-0007 Ashlay Giovana		<b>Reported:</b> 10/27/2023 12:13:56PM			
Artesia NM, 88210		Project Manager		Ashley Gioveng	0				10/2//2023 12:13:30PM
	Noi	nhalogenated (	Organic	s by EPA 801	1 <b>5D - G</b> 1	RO			Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2342092-BLK1)							Prepared: 1	0/19/23	Analyzed: 10/25/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.30		8.00		91.2	70-130			
LCS (2342092-BS2)							Prepared: 1	0/19/23	Analyzed: 10/25/23
Gasoline Range Organics (C6-C10)	46.9	20.0	50.0		93.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.37		8.00		92.1	70-130			
Matrix Spike (2342092-MS2)				Source:	E310132-	14	Prepared: 1	0/19/23	Analyzed: 10/25/23
Gasoline Range Organics (C6-C10)	46.2	20.0	50.0	ND	92.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.32		8.00		91.5	70-130			
Matrix Spike Dup (2342092-MSD2)				Source:	E310132-	14	Prepared: 1	0/19/23	Analyzed: 10/25/23
Gasoline Range Organics (C6-C10)	48.0	20.0	50.0	ND	96.0	70-130	3.81	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.36		8.00		92.0	70-130			

## **QC Summary Data**

		QC D	umm	ary Data	4				
Devon Energy - Carlsbad 6488 7 Rivers Hwy		Project Name: Project Number:		North Brushy D 01058-0007		al 35 #012	2H		<b>Reported:</b> 10/27/2023 12:13:56PM
Artesia NM, 88210		Project Manager:		Ashley Gioveng	0				10/2//2023 12:13:30PM
	Nonha	alogenated Org	anics b	y EPA 8015D	) - DRO	/ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2342115-BLK1)							Prepared: 1	0/20/23 A	Analyzed: 10/20/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	53.0		50.0		106	50-200			
LCS (2342115-BS1)							Prepared: 1	0/20/23 A	Analyzed: 10/20/23
Diesel Range Organics (C10-C28)	276	25.0	250		110	38-132			
Surrogate: n-Nonane	55.2		50.0		110	50-200			
Matrix Spike (2342115-MS1)				Source:	E310181-	06	Prepared: 1	0/20/23 A	Analyzed: 10/20/23
Diesel Range Organics (C10-C28)	286	25.0	250	ND	115	38-132			
Surrogate: n-Nonane	56.4		50.0		113	50-200			
Matrix Spike Dup (2342115-MSD1)				Source:	E310181-	06	Prepared: 1	0/20/23 A	Analyzed: 10/20/23
Diesel Range Organics (C10-C28)	275	25.0	250	ND	110	38-132	4.17	20	
Surrogate: n-Nonane	53.6		50.0		107	50-200			



## **QC Summary Data**

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Devon Energy - Carlsbad 6488 7 Rivers Hwy		Project Name: Project Number:		North Brushy D 01058-0007		al 35 #012	2H		Reported:
Artesia NM, 88210		Project Manager	•	Ashley Gioveng	go				10/27/2023 12:13:56
		Anions	by EPA	<b>300.0/9056</b>	4				Analyst: RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2342102-BLK1)							Prepared:	10/20/23	Analyzed: 10/24/23
Chloride	ND	20.0							
LCS (2342102-BS1)							Prepared:	10/20/23	Analyzed: 10/24/23
Chloride	251	20.0	250		100	90-110			
Matrix Spike (2342102-MS1)				Source:	E310132-	06	Prepared:	10/20/23	Analyzed: 10/24/23
Chloride	254	20.0	250	ND	102	80-120			
Matrix Spike Dup (2342102-MSD1)				Source:	E310132-	06	Prepared:	10/20/23	Analyzed: 10/24/23
Chloride	250	20.0	250	ND	99.9	80-120	1.70	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.



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Γ	Devon Energy - Carlsbad	Project Name:	North Brushy Draw Federal 35 #012H	
	6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
l	Artesia NM, 88210	Project Manager:	Ashley Giovengo	10/27/23 12:13

- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.
- Note (1): Methods marked with \*\* are non-accredited methods.
- Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Project:       North Bru         Project Manager:       Address:         Address:       3122 Nat         City, State, Zip:       Ca         Phone:       575-988-00         Email:       agiovengo@         Report due by:       Time         Sampled       Date Sampl         9:05       10/18/20         9:15       10/18/20         9:55       10/18/20	shley Giover onal Parks H sbad NM, 88 55 ensolum.con Matrix 3 Soil 3 Soil	ngo wy 3220 n	Sample ID	Addr City, Phor Emai	ntion: Jim Raley ress: 5315 Buena V State, Zip: Carlsban ne: (575)689-7597 il: jim.raley@dvn.co SS08 - 0' SS08 - 1' SS08 - 2'	d NM, 8822(	Lab Number	TPH GRO/DRO/ORD by		1	00		er COST Metho	bd BGDOC NW	2D	3D XL 2009	Standard × NM CO ×	CWA State UT AZ Remarks	
Address:3122 NatCity, State, Zip:CaPhone:575-988-00Email:agiovengo@Report due by:TimeTimeDate Sampled9:0510/18/209:1510/18/20	onal Parks Hi sbad NM, 88 55 ensolum.con Matrix 3 Soil 3 Soil	WY 3220 n No. of Containers 1 Jar 1 Jar	Sample ID	<u>City,</u> Phor Emai	<u>State, Zip: Carlsbanne: (575)689-7597</u> il: jim.raley@dvn.co SS08 - 0' SS08 - 1'	d NM, 8822(	Lab Number J 2				Analy	sis and		REDOC NM				UT AZ	ТХ
City, State, Zip: CaPhone:575-988-00Email:agiovengo@Report due by:TimeTimeDate Sampled9:0510/18/209:1510/18/20	sbad NM, 88 55 ensolum.con Matrix 3 Soil 3 Soil	No. of Containers 1 Jar 1 Jar	Sample ID	<u>Phon</u>	ne: (575)689-7597 il: jim.raley@dvn.co SS08 - 0' SS08 - 1'		Lab Number J 2	TPH GRO/DRO/ORO by	8015 BTEX by 8021				Metho	RGDOC NM				UT AZ	ТХ
Phone:575-988-00Email:agiovengo@Report due by:	55 ensolum.con Matrix 3 Soil 3 Soil	n <sup>No. of</sup> Containers 1 Jar 1 Jar	Sample ID	Emai	il: jim.raley@dvn.cd SS08 - 0' SS08 - 1'	om	Number 1 2	TPH GRO/DRO/ORO by	8015 BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC				UT AZ	
Email: agiovengo@ Report due by: Time Sampled 9:05 10/18/20 9:15 10/18/20	ansolum.con Matrix Soil Soil	No. of Containers 1 Jar 1 Jar	Sample ID		SS08 - 0' SS08 - 1'	om	Number 1 2	TPH GRO/DRO/ORC	8012 BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC				UT AZ	
Report due by:Time SampledDate Sampl9:0510/18/209:1510/18/20	I Matrix <sup>3</sup> Soil <sup>3</sup> Soil	No. of Containers 1 Jar 1 Jar	Sample ID		SS08 - 1'		Number 1 2	TPH GRO/DRO	8012 BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC					
Time Sampled         Date Sampl           9:05         10/18/20           9:15         10/18/20	<sup>3</sup> Soil <sup>3</sup> Soil	Containers 1 Jar 1 Jar	Sample ID		SS08 - 1'		Number 1 2	TPH GRO/	BTEX by 80	VOC by 82	Metals 60	Chloride 3		x				Remarks	II
Sampled         Date Sample           9:05         10/18/20           9:15         10/18/20	<sup>3</sup> Soil <sup>3</sup> Soil	Containers 1 Jar 1 Jar	Sample ID		SS08 - 1'		Number 1 2	9 Hd1		VOCP	Metal	Chlori		x		GDOC		Remarks	
9:15 10/18/20	3 Soil	1 Jar			SS08 - 1'									-					
	3011															1 1			
9:55 10/18/20	3 <sub>Soil</sub>	1 Jar			SS08 - 2'		3							X					
														x					
							1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1					_							
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		T										T							
														1					
Additional Instruct	ns: Please	CC: cbur	rton@ensolu	im.com, ag	giovengo@ensolum	n.com, jim.ra	ley@dvn	com, cł	amilt	on@	enso	lum.co	om	_I	1	LL	<u>I</u>		· · · · · · · ·
					tampering with or intentio	nally mislabelling	the sample l	ocation,									ceived on ice the day ess than 6 °C on sub:		led or
late or time of collection i Religguished by Signat		Date	e grounds for leg		Sampled by: Received by: (Signature)		Date	Tim	<b>`</b>					-	-	se On			
UN NOA	<u></u>			24	prouh	tare	10.19.	25/	3/	이	Rece	ived c	n ice:		) / N		7		
GILLeller	Zarh-	10.	1923	330	Received by: (Signature)	neso	Date 10.19:		83c	<u> </u>	<u>T1</u>			<u>T2</u>			<u>T3</u>		
	re) VSS0	10 ·	19.23 Z	loo (	Received by: Aignature	na	Date 10• 20-2	38	10		AVG	Temp	°c	<u>{</u>				ter da Norweit gesch Norweit gesch	
Sample Matrix: S - Soil, Sd							Container			<b>p</b> - po	oly/pl	lastic,	ıg - am						
Note: Samples are disca	led 30 days aft	er results a	are reported un	less other arr	rangements are made.	Hazardous san	nples will be	returne	to clie	nt or o	dispos	ed of a	the cli	ent exp	ense.	The r	eport for the a	nalysis of th	e above
amples is applicable or	to those samp	oles receive	ed by the labora	tory with this	is COC. The liability of th	he laboratory is	limited to t	he amou	t paid	for on	the re	eport.							

### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Enail:     ablergigsvergogigsvergomigsvergeningsve	Client:	Devon Energy - Carlsbad D	ate Received:	10/20/23	08:10	Work Order ID:	E310187
Chain of Castady (COC).       Image: Control of Complex person prime is location match the COC Yes         2. Does the number of samples per sampling site location match the COC Yes       Carrier: Courier         Was the COC complete, i.e., signatures, dates times, requested analyses?       Yes         Now cannaptes per service within holding time?       Yes         Some funct neuronal Time (TAI)       Yes         6. Did the COC indicate standard TAT, or Expedited TAT?       Yes         Samble Conder received in good condition?       Yes         9. Was the sample locoler received in good condition?       Yes         9. Was the sample tooler received in good condition?       Yes         9. Was the sample tooler received in good condition?       Yes         10. Ware custody/security seals present?       No         11. If yes, were custody/security seals present?       No         12. Was the sample conducted in the orgen is 4°C, i.e., 6*2°C       Yes         Note: Thermal preservation is not required. if samples are received with 15 minutes of samples orgen in the required. If samples are received with 15 minutes of samples conducted in the orgen is 4°C, i.e., 6*2°C       Yes         13. If no visible ice, record the temperature. Actual sample temperature: 4°C       Sammle Conditions         14. Are aqueous VOC samples present?       No         15. Ste head space less than 6-8 mm (pea sized or less)?       NA	Phone:	(505) 382-1211 D	ate Logged In:	10/19/23	16:59	Logged In By:	Caitlin Mars
1. Does the sample ID match the COC?     Yes       2. Does the number of sampling site sampling site location match the COC     Yes       3. Were samples does that or carrier?     Yes       4. Was the COC complete, i.e., signatures, datestrimes, requested analyses?     Yes       5. Wore all samples received within holding time?     Yes       5. Wore all samples received within holding time?     Yes       5. More Complete, i.e., signatures, datestrimes, requested analyses?     Yes       5. More Analysis, such as pH which should be conducted in the field, i.e., 15 minute holding incervice     Yes       5. More Complete, i.e., signatures, datestrimes, requested analyses?     Yes       5. More Complete, i.e., signatures, datestrimes, requested analyses?     Yes       5. More Complete, i.e., signatures, datestrimes, requested analyses?     Yes       5. More Complete, i.e., signatures, datestrimes, requested analyses?     Yes       5. More Complete, i.e., on throken?     Yes       7. Was a sample cooler received intert, i.e., not broken?     Yes       9. Was the sample reserved intert, i.e., not broken?     Yes       10. Were causdy/security senses present?     No       11. fryes, were could be temperature. Actual sample temperature are traited and the appropriate volume weight or number of samples contexted in the daryses?     Yes       13. If no visible icer, record the temperature are traited and the appropriate volume weight or number of samples contexted in the correct comainers	Email:	ashley.giovengo@wescominc.com D	ue Date:	10/26/23	17:00 (4 day TAT)		
2. Does the number of samples per sampling site location match the COC Yes 3. Were samples dropped off by client or carrier? Yes 4. Wes the COC complete, i.e., signatures, dates/times, requested analyses? Yes 5. Were all samples received within holding time? Yes 5. Wore all samples received within holding time? Yes 5. More Cardinated That CATD 6. Did the COC indicate standard TAT, or Expedited TAT? Yes 5. More analysic, when split be conduced in the idea, i.e. 15 minute hold time, are not included in this dissession. 5. Sample Curd. Area CATD 6. Did the COC indicate standard TAT, or Expedited TAT? Yes 5. Myes, was cooler received? Yes 8. Hyes, was cooler received? Yes 8. Hyes, was cooler received in agod condition? Yes 9. Was the sample(s) received intext, i.e., not broken? Yes 10. Were custady/security salis intat? No 10. Were custady/security salis intat? No 11. Hyes, were custady/security salis intat? No 12. Was the sample cooler received in its samples are received wit 15 minutes of sampling 13. If no visible ics, eroord the temperature. Actual sample temperature: <u>PC</u> 5. Sample Container 14. Are aqueous VOC samples collected in VOA Vials? No 15. Are VOC samples collected in the orreret containers? Yes 16. Is the head space less than 6-8 mm (pea sized or less)? NA 17. Was at its bank (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 5. March Edit Label 2. Over the field sample samples were preserved? No 2. Are sample(s) correctly preserved? No 2. Are sample(s) correctly mereaved? No 5. Area sample (s) correc	Chain o	f Custody (COC)					
3. Were samples dropped off by client or carrier? Yes 4. Was the COC complete, i.e., signatures, dates/times? equested analyses? Yes Nets: Analysis, such as pH which should be conducted in the field, i.e. 15 minute hold time, are not included in the discussion. Comments/Resolution Sample Conder received in the CTAT 7. Was a sample cooler received? Yes 8. Hyse, was cooler received? In good condition? Yes 9. Was the sample(s) received intact, i.e., not broken? Yes 9. Was the sample(s) received intact, i.e., not broken? Yes 9. Was the sample(s) received intact, i.e., not broken? Yes 9. Was the sample (soler received) as intact? No 10. Were custody/security seals present? No 11. Hyse, were custody/security seals intact? No 13. Hro visible ice, record the temperature. Actual sample temperature: $\frac{4^{\circ}C}{2^{\circ}C}$ Yes 13. Hro visible ice, record the temperature. Actual sample temperature: $\frac{4^{\circ}C}{2^{\circ}C}$ Yes 14. Are aqueous VOC samples present? No 15. Are VOC samples collected in VOA Vials? NA 16. Is the bead space less than 6-3 mm (peas ized 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. Were field sample labels filled out with the minimum information: Sample Corrient volume/weight or number of sample containers collected? Yes 19. Were field sample labels filled out with the minimum information: Sample Corrient or number of samples were preserved? NA 21. Ores the COC or field labels indicate the samples were preserved? NA 21. Ores the COC or field labels indicate the samples were preserved? NA 21. Ores the COC or field labels indicate the samples were preserved? NA 21. Ores the COC or field labels indicate the samples were preserved? NA 21. Ores the COC or field labels indicate the samples were preserved? NA 23. Are sample (S) correctly preserved? NA 24. Is lab filteration required and/or requested for disolved metals? NA 24. Sa lab filteration required and/or requested for disolved metals?	1. Does	the sample ID match the COC?		Yes			
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Ves Note: Analysis, such as pit which should be conducted in the field, i.e. 15 minute hold time, are not included in this discussion. Sample Cront Around Time (TAT) 4. Did the COC indicate standard TAT, or Expedited TAT? Ves Sample Cooler received? Yes 8. If yes, was cooler received? Yes 9. Was the sample cooler received in good condition? Yes 9. Was the sample (so cervice) minute, i.e., not broken? Yes 9. Was the sample for exervice intract, i.e., not broken? Yes 10. Were custody/security seals present? No 11. If yes, were custody/security seals present? No 12. Was the sample received on is? Uffys, the recorded temp is 4°C, i.e., 6°±2°C 13. If no visible ice, record the temperature. Actual sample temperature: $\frac{4°C}{2°C}$ 5. Sample Container 14. Are aquecos VOC samples present? No 15. Are VOC samples received in VA Natk? NA 16. Is the head space less than 6-8 mm (pea sized or less)? NA 16. Is the head space less than 6-8 mm (pea sized or less)? NA 17. Was at fis hands (TB) included for VOC analyses? NA 18. Are non-VOC samples collected in the orrest containers? Yes 19. Is the approximation bandle containers collected? Yes Field Labd 20. Were field sample labels filled out with the minimum information: 5 sample 10? Yes 10. Does the COC or field labels indicate the samples were preserved? No 21. Are sample(s) correctly preservet? No 22. Are sample(s) correctly preservet? No 23. Are sample(s) correctly reservet? No 24. Are sample share. The sample servet for dissolved metals? No <b>Sample Preservation</b> 25. Are sample(s) more than one phase, i.e., multiphase? No 27. If yes, does the COC specify which phase(s) is to be analyzed? No <b>Sample Preservation</b> 26. Are sample have more than one phase, i.e., multiphase? No 27. If yes, does the COC specify which phase(s) is to be analyzed? No <b>Sample Preservation</b> 26. Are sample have more than one phase, i.e., multiphase? No 27. If yes, does the COC specify which	2. Does	the number of samples per sampling site location match	the COC	Yes			
<ul> <li>S. Were Note: and samples received within holding time?</li> <li>S. Sample Control true Acoust 1 min the field, i.e., 15 minute hold time, are not included in this discussion.</li> <li>Sample Condicates standard TAT, or Expedited TAT?</li> <li>Yes</li> <li>Sample Conder received in good condition?</li> <li>Yes</li> <li>9. Was the sample(s) received in fact, i.e., not broken?</li> <li>Yes</li> <li>9. Was the sample(s) received intact, i.e., not broken?</li> <li>Yes</li> <li>9. Was the sample received on ice? If yes, the recorded temp is 4PC, i.e., 6*2°C</li> <li>Yes</li> <li>Not: Thermal preservation is not required, if samples are received will 5 minutes of samples or the sample received on ice? If yes, the recorded temp is 4PC, i.e., 6*2°C</li> <li>Yes</li> <li>Not: Thermal preservation is not required, if samples are received will 5 minutes of samples or the sample received on ice? If yes, the recorded temp is 4PC, i.e., 6*2°C</li> <li>Yes</li> <li>Not: Thermal preservation is not required, if samples are received will 5 minutes of samples or the sample received on ice? If yes, the recorded temp is 4PC, i.e., 6*2°C</li> <li>Yes</li> <li>Not: Thermal preservation is not required, if samples are received will 5 minutes of samples collected in VOA Vials?</li> <li>No</li> <li>13. If no visible ice, record the temperature: <u>4</u>°C</li> <li>Sample Continer</li> <li>14. Are aqueous VOC samples presen?</li> <li>No</li> <li>15. Are appropriate volume/weight to rumber of sample containers?</li> <li>Yes</li> <li>Diac Time Collected?</li> <li>Yes</li> <li>Diac Time Collected?</li> <li>No</li> <li>Sample D?</li> <li>Diac Time Collected?</li> <li>Yes</li> <li>Collected?</li> <li>No</li> <li>Sample D?</li> <li>Diac Time Collected?</li> <li>No</li> <li>Sample D?</li> <li>No</li> <li>Sample D?</li> <li>No</li> <li>Sample D?</li> <li>No</li> <li>Sample D?</li> <li>No</li> <li>Sample Securitied and/or requested for dissolved metals?</li> <li>No</li> <li>Sample D?</li> <li>No</li> <li>Sample D?</li> <li>No</li> <li>Sample</li></ul>	3. Were	samples dropped off by client or carrier?		Yes	Carrier: Courier		
Noti: Analysis, such as pH which should be conducted in the field, is, is financh old time, are not included in this discussion. Sample Color Test standard TAT, or Expedited TAT? Ves Sample Color received? Ves 8. If yes, was color received? Ves 8. If yes, was color received in good condition? Ves 9. Was has asymple (so cervic din tact, i.e., not broken? Ves 9. Was the sample (so cervic din tact, i.e., not broken? Ves 10. Were custody/security seals present? No 11. If yes, were custody/security seals intact? No 12. Wes the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Ves Now: Thermal preservation is not required, if samples are received wil 15 minutes of samples [so received intic, i.e., not thraken? Ves Now: Thermal preservation is not required. If samples temperature: 4°C Sample Continer 14. Are aqueous VOC samples collected in VOA Vials? NA 15. Sare VOC samples collected in VOA Vials? NA 16. Is the head space less than 6-8 mm (pen sized or less)? NA 17. Was at rip blank (TB) included for VOC analyses? NA 18. Are non-VOC samples collected in the correct containers? Yes 19. Is the papeopriate volume/weight or number of sample containers collected? Ves Collectors name? Ves Collectors name? No 21. Are sample(s) correctly preserved? No 22. Are sample(s) correctly preserved? No 23. Are sample(s) correctly preserved? No 24. Are sample(s) correctly preserved? No 24. Are sample(s) correctly preserved? No 25. Are sample(s) correctly preserved? No 26. Are sample(s) correctly preserved? No 27. Are sample(s) correctly preserved? No 28. Are sample(s) correctly preserved? No 29. Are sample(s) correctly preserved? No 20. Are samp	4. Was the	he COC complete, i.e., signatures, dates/times, requested	d analyses?	Yes			
6. Did the COC indicate standard TAT, or Expedited TAT?       Yes         Sample Cooler       Semple Cooler received?       Yes         8. If yes, was cooler received in good condition?       Yes         9. Was the sample cooler received in tate, i.e., not broken?       Yes         10. Were custody/security seals intet?       No         11. If yes, were custody/security seals intet?       No         12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C       Yes         13. If no visible ice, record the temperature. Actual sample temperature: $\frac{4°C}{2000000000000000000000000000000000000$	5. Were	Note: Analysis, such as pH which should be conducted in the	e field,	Yes		Commen	ts/Resolution
Sample Cooler       Yes         7. Was a sample cooler received?       Yes         8. If yes, was cooler received intuct, i.e., not broken?       Yes         9. Was the sample(s) received intuct, i.e., not broken?       Yes         10. Were custody/security seals intact?       No         11. If yes, were custody/security seals intact?       NA         12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C       Yes         Note: Thermal preservation is not required, if samples are received w/i15       minutes of sampling         13. If no visible ice, record the temperature: Actual sample temperature: <u>4°C</u> Sample Container         14. Are aqueous VOC samples present?       No         15. Are VOC samples collected in the correct containers?       Yes         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 collected?       Yes         Date/Time Collected?       Yes         Collected?       Yes         Date/Time Collected?       Yes         Collected?       Yes         Collected?       Yes         Date/Time Collected?       Yes         Collectors name?       No         Ash	<u>Sample</u>	<u>Turn Around Time (TAT)</u>					
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 res, the recorded temp is 4°C, i.e., 6°±2°C       Yes         Not: Themar preservation is not required, if samples are received wit 15       minutes of sampling         13. If no visible ice, record the temperature. Actual sample temperature: $4°C$ Sample Container         14. Are aqueous VOC samples present?       No         15. Are vOC samples collected in the Orrect containers?       Yes         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         Date/Time Collected?       Yes         Collectors name?       No         12. Nas the field sample labels filled out with the minimum information:       Sample Collected?         Sample COC or field labels indicate the samples were preserved?       No         21. Does the COC or field labels indicate the samples were preserved?       No         22. Are sample(s) corretly preserved?       <	6. Did th	e COC indicate standard TAT, or Expedited TAT?		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?       No         12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C       Yes         Note: Thermal preservation is not required, if samples are received wit 15 minutes of sampling       Yes         13. If no visible ice, record the temperature. Actual sample temperature: 4°C       Yes         Sample Container       No         14. Are aqueous VOC samples collected in VOA Vials?       No         15. Are VOC Camples 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         Dato/Time Collected?       Yes         Dato/Time Collected?       Yes         Collectors name?       Yes         Dato/Time Collected?       Yes         Collectors name?       Yes         Dato/Time Collected?       Yes         A. To easy the field sample labels filled out with the minimum information:       Yes         Collectors name? <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>							
9. Was the sample(s) received intact, i.e., not broken?       Yes         10. Were custody/security seals present?       No         11. If yes, were custody/security seals intact?       NA         12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C       Yes         Not: Thermal preservation is not required, if samples are received wi 15 minutes of sampling       The received in the temperature. Actual sample temperature: 4°C         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 at tip 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         20. Were field sample labels filled out with the minimum information:       Sample ID?         20. Were field sample lobels indicate the samples were preserve?       No         21. Does the COC or field labels indicate the samples were preserve?       No         21. Does the COC or specify meserved?       Na         24. Is lab filteration required and/or requested for dissolved metals?       No <t< td=""><td>7. Was a</td><td>sample cooler received?</td><td></td><td>Yes</td><td></td><td></td><td></td></t<>	7. Was a	sample cooler received?		Yes			
10. Were custody/security seals present?       No         11. If yes, were custody/security seals intact?       NA         12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C       Yes         Not: Thermal preservation is not required, if samples are received wi 15 minutes of sampling       Interval         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 size or less)?       NA         16. Is the head space less than 6-8 mm (pea size or less)?       NA         17. Was at ip bank (TB) included for VOC analyses?       NA         18. Are non-VOC samples collected in the correct containers?       Yes         Field Label       20. Were field sample labels filled out with the minimum information:       Sample ID?         Sample ID?       Yes       Yes         Collectors name?       No       No         21. Does the COC or field labels indicate the samples were preserve?       No         22. Are sample(s) correctly preserved?       Na         24. Is lab filteration required and/or requested for dissolved metals?       No         Multiphase Sample Matrix       No         26. Are sample have more tha	8. If yes	, was cooler received in good condition?		Yes			
11. If yes, were custody/security seals intact?       NA         12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C       Yes         Note: Thermal preservation is not required, if samples are received win 15       Yes         13. If no visible ice, record the temperature: Actual sample temperature: $\frac{4°C}{2}$ Yes         Sample Container       No         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         Collectors name?       Yes         Date/Time Collected?       Yes         Collectors name?       No         21. Does the COC or field labels indicate the samples were preserved?       No         23. Are sample(s) correctly preserved?       Na         24. Is lab filteration required and/or requested for dissolved metals?       No         Multiphase Sample Matrix       No         26. Does the COC specify which phase(s) is to be analyzed?       Na         27. If yes, does the COC specify which phase(s) is to be a	9. Was the	he sample(s) received intact, i.e., not broken?		Yes			
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C       Yes         Note: Thermal preservation is not required, if samples are received w/i 15       minutes of sampling         13. If no visible ice, record the temperature. Actual sample temperature: 4°C       Sample Container         14. Are aqueous VOC samples present?       No         15. Are VOC samples collected in VOA Vials?       NA         16. Is the head space less than 6-8 mm (pea sized or less)?       NA         17. Was a trip blank (TB) included for VOC analyses?       NA         18. Are non-VOC samples collected in the correct containers?       Yes         Pield Label       Yes         20. Were field sample labels filled out with the minimum information:       Sample ID?         Sample ID?       Yes         Collectors name?       No         21. Does the COC or field labels indicate the samples were preserved?       No         23. Are sample(s) correctly preserved?       NA         24. Is lab filteration required and/or requested for dissolved metals?       No         Multiphase Sample Matrix       No         26. Does the COC specify which phase(is is to be analyzed?       NA         28. Are sample required to get sent to a subcontract laborator?       No         27. If yes, does the COC specify which phase(is is to be analyzed?       Na <tr< td=""><td>10. Were</td><td>e custody/security seals present?</td><td></td><td>No</td><td></td><td></td><td></td></tr<>	10. Were	e custody/security seals present?		No			
Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling         13. If no visible ice, record the temperature. Actual sample temperature: $\frac{4^{\circ}C}{2^{\circ}C}$ 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         20. Were field sample labels filled out with the minimum information:       Sample TD?         Sample TD?       Yes         Date/Time Collected?       Yes         Collectors name?       No         21. Does the COC or field labels indicate the samples were preserved?       No         22. Are sample(s) correctly preserved?       No         23. Are sample (Matrix       No         26. Does the sample have more than one phase, i.e., multiphase?       No         Altionate taboratory       No         Subcontract Laboratory       Na         24. Are sample forey which phase(s) is to be analyzed?       No         Subcontract Laboratory       No <tr< td=""><td>11. If ye</td><td>s, were custody/security seals intact?</td><td></td><td>NA</td><td></td><td></td><td></td></tr<>	11. If ye	s, were custody/security seals intact?		NA			
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       Yes         20. Were field sample labels filled out with the minimum information:       Yes         Sample ID?       Yes         Date/Time Collected?       Yes         Collectors name?       Yes         21. Does the COC or field labels indicate the samples were preserved?       No         22. Are sample(s) correctly preserved?       NA         24. Is la filteration required and/or requested for dissolved metals?       No         21. Iboes the Sample Matrix       No         26. Does the sample Matrix       No         27. If yes, does the COC specify which phase(is is to be analyzed?       No         27. If yes, does the COC specify which phase(is is to be analyzed?       No         28. Are samples required to get sent to a subcontract laborator?	12. Was t	Note: Thermal preservation is not required, if samples are re		Yes			
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       Yes         20. Were field sample labels filled out with the minimum information:       Yes         Sample ID?       Yes         Date/Time Collected?       Yes         Collectors name?       No         21. Does the COC or field labels indicate the samples were preserved?       No         22. Are sample(s) correctly preserved?       Na         4. Is lab filteration required and/or requested for dissolved metals?       No         Multiphase Sample Matrix       26. Does the coC specify which phase(is) is to be analyzed?       No         23. Are sample fave more than one phase, i.e., multiphase?       No       No         24. Is lab filteration required to get sent to a subcontract laborator?       No       No         25. Are sample srequired to get sent to a subcontract laborator?       No       No         26. Are samples required to get sent to a subcontract laborator? <td< td=""><td>13. If no</td><td></td><td>mperature: <u>4°</u></td><td><u>C</u></td><td></td><td></td><td></td></td<>	13. If no		mperature: <u>4°</u>	<u>C</u>			
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       Yes         20. Were field sample labels filled out with the minimum information:       Yes         Sample ID?       Yes         Date/Time Collected?       Yes         Collectors name?       No         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       Yes         26. Does the sample have more than one phase, i.e., multiphase?       No         71. If yes, does the COC specify which phase(s) is to be analyzed?       NA         8. Are samples required to get sent to a subcontract laboratory?       No							
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	29. Was	a subcontract laboratory specified by the client and if so	o who?	NA	Subcontract Lab: NA		

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Date



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

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# APPENDIX F

**Email Correspondence** 

Released to Imaging: 2/26/2024 1:48:41 PM

From:	Ashley Giovengo
To:	Enviro, OCD, EMNRD; Morgan, Crisha A
Cc:	Raley, Jim; Cole Burton; Chad Hamilton
Subject:	48-hour Confirmation Sampling Notification Email - North Brushy Draw Federal 35 #012H - Incident Numbers nAPP2302534751 & nAPP2232043831
Date:	Tuesday, September 5, 2023 2:44:03 PM
Attachments:	image001.png image002.png image003.png image004.png

Hello,

We intend to collect confirmation samples at Devon Energy's North Brushy Draw Federal 35 #012H site (Incident Numbers nAPP2302534751 & nAPP2232043831) on Thursday, September 07, 2023, at 09:00 am MST.

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

Thanks,



Ashley Giovengo Senior Engineer 575-988-0055 Ensolum, LLC in f

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

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	282054
	Action Type:
	[C-141] Release Corrective Action (C-141)

#### CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	Remediation Closure approved. All areas not reasonably needed for production or subsequent drilling operations will need to be reclaimed and revegetated as soon as practical. Areas reasonably needed for production or subsequent drilling operations will need to be reclaimed and revegetated as soon as they are no longer reasonably needed.	2/26/2024