

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 1 Soil Sample Analytical Results

Appendix A Form C-141

Appendix B Well Record and Log Appendix C Photographic Log

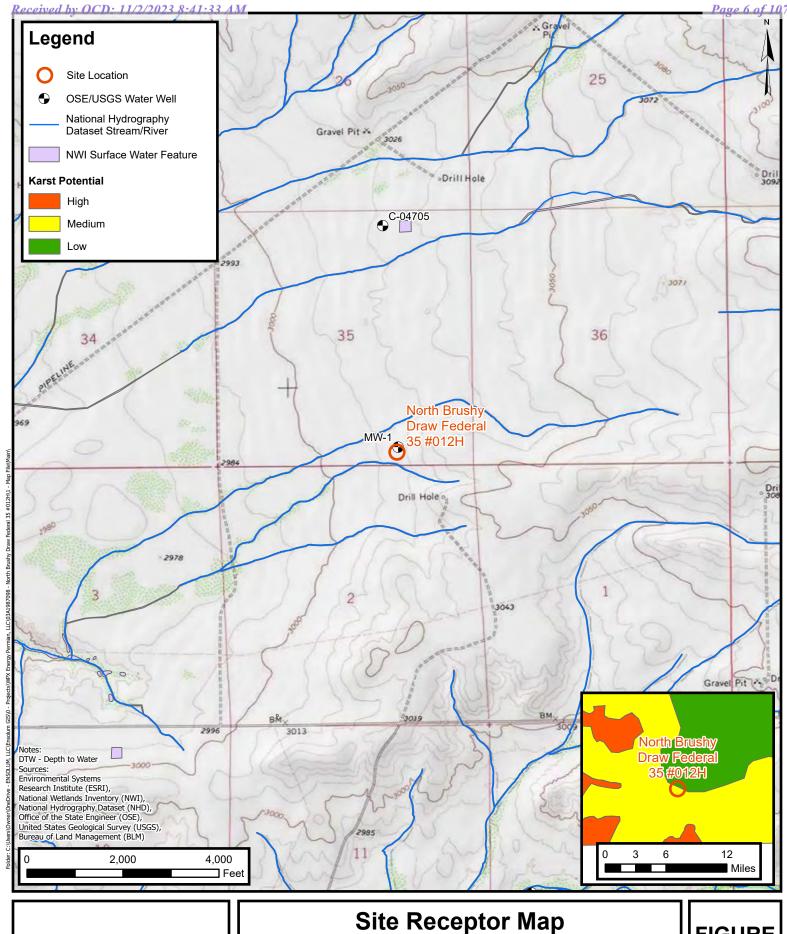
Appendix D Lithologic Soil Sampling Logs

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

Appendix F NMOCD Notifications



FIGURES



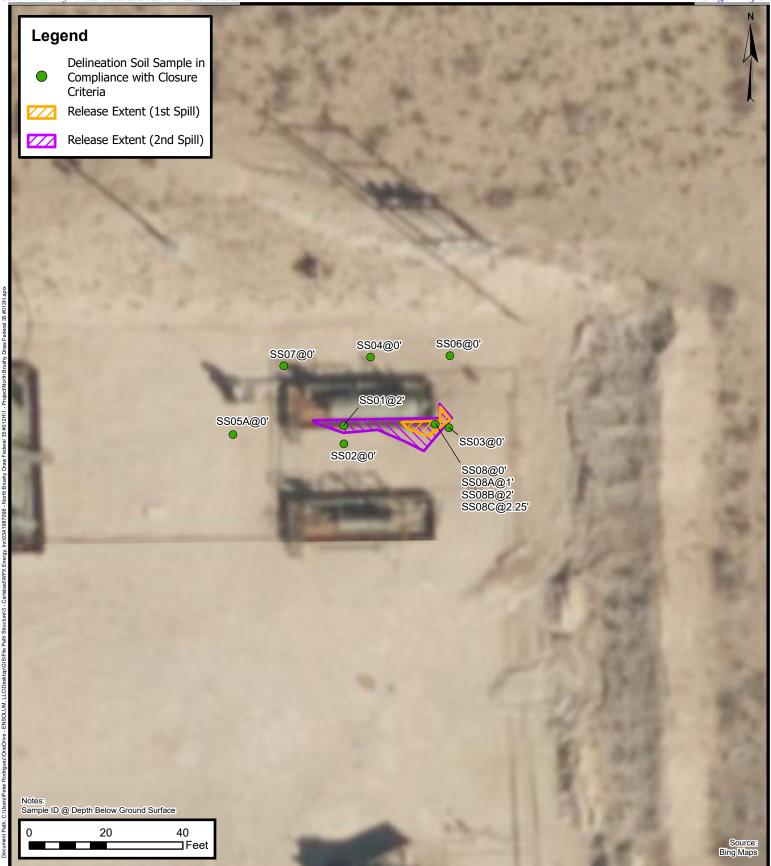


Site Receptor Map WPX Energy Permian, LLC

North Brushy Draw Federal 35 #012H Incident Number: nAPP2302534751 & nAPP2232043831 Unit O, Section 35, T 25S, R29E Eddy County, New Mexico

FIGURE

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Delineation Soil Sample Locations

WPX Energy Permian, LLC
North Brushy Draw Federal 35 #012H
Project Number: 03A1987098

Unit O, Section 35, T 25S, R29E Eddy County, New Mexico FIGURE

2





Confirmation Soil Sample Locations

WPX Energy Permian, LLC
North Brushy Draw Federal 35 #012H
Project Number: 03A1987098
Unit O, Section 35, T 25S, R29E
Eddy County, New Mexico

FIGURE

3



TABLES



TABLE 1

SOIL SAMPLE ANALYTICAL RESULTS

North Brushy Draw Fed 35 #012H **WPX Energy Permain, LLC Eddy County. New Mexico**

				Edu	Oculity, New IVI	CAICO				
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.

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

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



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 emai	il Jim.Rale	y@dvn.com			Incident # (assigned by OCD) nAPP2232043831		
Contact mail 88220	ing address	5315 Buena Vis	ta Drive, Carlsbac	d, NM	1		
			Location	of R	Release So	Source	
Latitude	32.0797257		(NAD 83 in d	'ecimal de	Longitude _ egrees to 5 decim	-103.9514552 vimal places)	
Site Name NORTH BRUSHY DRAW FEDERAL 35 #012H				Site Type (· Oil Well		
Date Release	Discovered	11/16/2022			API# (if app	pplicable) 30-015-43603	
Unit Letter	Section	Township	Range		Coun	inty	
О	35	25S	29E	Eddy	y	·	
Surface Owner			ribal ☐ Private (Nature an all that apply and attac	d Vo	lume of I	Release ic justification for the volumes provided below)	
Crude Oil		Volume Release	ed (bbls)			Volume Recovered (bbls)	
Produced Water Volume Released (bbls) 32				Volume Recovered (bbls) 31			
		Is the concentra produced water	tion of dissolved >10,000 mg/l?	chloride	e in the	⊠ Yes □ No	
Condensate Volume Released (bbls)					Volume Recovered (bbls)		
Natural Gas Volume Released (Mcf)				Volume Recovered (Mcf)			
Other (de	Other (describe) Volume/Weight Released (provide units))	Volume/Weight Recovered (provide units)	
Small leak in	corner of content $t_{P} = \frac{saturat}{s}$	ontainment allowe	ed for the release	of appro	ox. 1 bbl proc	2 bbls produced water to lined secondary containment. oduced water to pad surface. recovered fluids (bbl)	

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Page 2 Oil Conservation Division

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	and the same of		

Incident ID	nAPP2232043831
District RP	
Facility ID	
Application ID	

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	
	otice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? tratcher via email on 11/15/2022.
ŕ	
	Initial Degrange
	Initial Response
The responsible	party must undertake the following actions immediately unless they could create a safety hazard that would result in injury
N Th	
	ease has been stopped.
	s been secured to protect human health and the environment.
	ave been contained via the use of berms or dikes, absorbent pads, or other containment devices.
	d shows have not been removed and managed appropriately.
If all the actions described	d above have <u>not</u> been undertaken, explain why:
has begun, please attach	AC the responsible party may commence remediation immediately after discovery of a release. If remediation a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred at area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.
	rmation given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and
public health or the environ	required to report and/or file certain release notifications and perform corrective actions for releases which may endanger ment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have
	ate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In f a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws
and/or regulations.	1 a c 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Printed Name:Jim Ral	ey Title:Environmental Professional
1 01.	
Signature:fin Rife	Date:11/16/2022
	com Telephone: 575-689-7597
cmanjmi.raicy@uvii	Telephone. 373-007-7377
OCD Only Jocely	yn Harimon 11/16/2022
-	/n Harimon 11/16/2022 Date:

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

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

District III 1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 159393

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	Condition Date
jharimon	None	11/16/2022

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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?	105 (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?	☐ Yes ☐ 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 not on an exploration, development, production, or storage site?			
	☐ Yes ⊠ No		
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and ver contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.	tical extents of soil		
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.			

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

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

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Incident ID	nAPP2232043831
District RP	
Facility ID	
Application ID	

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.				
Printed Name:Jim Raley	Title:	Environmental Specialist		
Signature: / A Rife	Dat	te:11/2/2023		
email:jim.raley@dvn.com	Telephone:	575-689-7597		
OCD Only				
Received by:		Date:		

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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.

Closure Report Attachment Checklist: Each of the following it	ems must be included in the closure report.
A scaled site and sampling diagram as described in 19.15.29.1	1 NMAC
Photographs of the remediated site prior to backfill or photos must be notified 2 days prior to liner inspection)	of the liner integrity if applicable (Note: appropriate OCD District office
☐ Laboratory analyses of final sampling (Note: appropriate ODC	C District office must be notified 2 days prior to final sampling)
□ Description of remediation activities	
and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and ren human health or the environment. In addition, OCD acceptance of a compliance with any other federal, state, or local laws and/or regular restore, reclaim, and re-vegetate the impacted surface area to the cor accordance with 19.15.29.13 NMAC including notification to the O Printed Name: Jim Raley Title: Signature: Title:	nediate contamination that pose a threat to groundwater, surface water, a C-141 report does not relieve the operator of responsibility for tions. The responsible party acknowledges they must substantially neditions that existed prior to the release or their final land use in DCD when reclamation and re-vegetation are complete. Environmental Specialist
OCD Only	
Received by:	Date:
	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible or regulations.
Closure Approved by:	Date:
Printed Name:	Title:

District I
1625 N. French Dr., Hobbs, NM 88240
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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	nAPP2302534751
District RP	
Facility ID	
Application ID	

Responsible Party

Responsible Party WPX Energy Permain, LLC			OGRID 2	246289		
Contact Name Jim Raley		Contact Te	elephone 575-689-7597			
Contact email	il Jim.Rale	y@dvn.com			Incident #	(assigned by OCD) nAPP2302534751
Contact mail 88220	ing address	5315 Buena Vis	ta Drive, Carlsbac	d, NM	-	
			Location	n of R	Release So	ource
T .: 1	070705				T '. 1	102.0516162
Latitude 32	2.079725		(NAD 83 in d	lecimal de	Longitude _ egrees to 5 decim	-103.9516162 mal places)
Site Name: N	ORTH BRU	JSHY DRAW FE	DERAL 35 #010	Н	Site Type C	Oil Well
Date Release	Discovered	: 1/23/2023			API# (if app	olicable) 30-015-43638
	T	1	T		1	
Unit Letter	Section	Township	Range		Coun	ity
О	35	25S	29E	Edd	У	
Surface Owner	r: State	∑ Federal □ T	ribal Private	(Name:)
			Nature an	d Vo	lume of I	Release
				ch calculat	tions or specific	justification for the volumes provided below)
Crude Oil		Volume Release				Volume Recovered (bbls) 0
Normal Produced	Water	Volume Release	ed (bbls) 26			Volume Recovered (bbls) 25
		Is the concentral produced water	ation of dissolved >10,000 mg/l?	chloride	e in the	⊠ Yes □ No
Condensa	ondensate Volume Released (bbls)			Volume Recovered (bbls)		
Natural G	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 estimat	$te = \frac{saturate}{4.23}$	<u>ed soil volume (ft³)</u> , 1(<u>ft³</u> bbl equivalent)	* estimated soil	porosi	ity(%) + reco	overed fluids (bbl)

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Incident ID	nAPP2302534751
District RP	
Facility ID	
Application ID	

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 VES was immediate n	otice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?
	nd 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
☐ The source of the rele	ease has been stopped.
☐ The impacted area ha	s been secured to protect human health and the environment.
Released materials ha	we been contained via the use of berms or dikes, absorbent pads, or other containment devices.
All free liquids and re	ecoverable materials have been removed and managed appropriately.
If all the actions described	d above have <u>not</u> been undertaken, explain why:
Per 19.15.29.8 B. (4) NM	AC the responsible party may commence remediation immediately after discovery of a release. If remediation
- 1	a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred at area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.
	rmation given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and required to report and/or file certain release notifications and perform corrective actions for releases which may endanger
public health or the environr	ment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have
addition, OCD acceptance of	ate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In f 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 Ral	ey Title:Environmental Professional
Signature:	
Signature: _/	Date:1/25/2023
email:jim.raley@dvn	.com Telephone: 575-689-7597
OCD Only	
Received by:Jocel	yn Harimon Date: 01/25/2023

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

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

District III 1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 179400

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

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Incident ID	nAPP2302534751
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

This information must be provided to the appropriate district office no taler than 20 days after the release discovery date.			
What is the shallowest depth to groundwater beneath the area affected by the release?	105 (ft bgs)		
Did this release impact groundwater or surface water?	Yes No		
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☐ No		
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ⊠ No		
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ⊠ No		
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ⊠ No		
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ⊠ No		
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?			
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ⊠ No		
Are the lateral extents of the release overlying a subsurface mine?	Yes No		
Are the lateral extents of the release overlying an unstable area such as karst geology?			
Are the lateral extents of the release within a 100-year floodplain?	Yes No		
Did the release impact areas not on an exploration, development, production, or storage site?	Yes No		
	Yes No		
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.			
Characterization Depart Charliet, Each of the following items must be included by an art			

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

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

Received by OCD: 11/2/2023 8:41:33 AM State of New Mexico
Page 4 Oil Conservation Division

Page 22 of 107

Incident ID	nAPP2302534751
District RP	
Facility ID	
Application ID	

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.					
Printed Name:	Jim Raley	Title:Environmental Specialist			
Signature:	<u></u>	Date:11/2/2023			
email:jim.raley(@dvn.com	Telephone:575-689-7597			
OCD Only					
Received by:		Date:			

Page 23 of 107

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 is	items must be included in the closure report.
A scaled site and sampling diagram as described in 19.15.29.1	11 NMAC
Photographs of the remediated site prior to backfill or photos must be notified 2 days prior to liner inspection)	s of the liner integrity if applicable (Note: appropriate OCD District office
☐ Laboratory analyses of final sampling (Note: appropriate ODG	C District office must be notified 2 days prior to final sampling)
Description of remediation activities	
and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and rephuman health or the environment. In addition, OCD acceptance of	ations. The responsible party acknowledges they must substantially onditions that existed prior to the release or their final land use in OCD when reclamation and re-vegetation are complete. Environmental Specialist Date:11/2/2023
OCD Only	
Received by:	Date:
	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible 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

7		HR	1						MONITORING W	ELL COMPLETION	N DIAGR	AM
\nearrow		12.2	MPL	IAN	C F		Boring/Well Number: MW-1			Location: North Brushy Federal 35 # 010H		0H
		SO	LIII	100	N S		Date:			Client:		
Drilling Me	thad	0 0	Sampling N	(athadi			Logged By:		3/2020	WPX En	ergy	
_	ir Rotar	y	Samping N		ne		Logged By.		nn, PG	Talon L	PE	
Gravel Pacl	с Туре:		Gravel Pac	k Depth Inte			Seal Type:	-	Seal Depth Interval:	Latitude:		
Casing Typ	0/20 San	nd Diameter:		3 B Depth Inter	ags			lone al Depth (ft. BC	None None	32.079909 Longitude:		
PVC		2-inch		0-100 fe	eet bgs			10	05	-103.951386		
Screen Typ	e:	Slot:	1.	Diameter:		Interval:	Well Total	Depth (ft. BGS		Depth to Water (ft. BTOC):		020
PVC		0.010-ii	nch	2-inch	100 -	105 ft			05 I	> 105	12/16/2	020
Depth Interval (ft)	Recovery (ft)	Plasticity	Moisture	Odor	Staining	PID (ppm)	NSCS	Sample ID	Lithology/Remarks		Well Comple	
0												
5	NIM	T	D	N	N	NIM	CE	NIC	D., 65 41 -		Ī	
10	NM	L	D	IN	N	NM	CE	NS	Buil to pale	e pink caliche	Ī	
15									1 †		Ī l	
20												
25									1 1			
30									1 1			
35	NM	L	D	N	N	NM	SM	NS	Tan to pale	red silty sand		
40											Ī l	
45											<u> </u>	
50										•	<u> </u>	
55 60	NM	М	М	N	N	NM	ML	NS	Tan to pale red sandy silt with minor medium sand			
65	NM	Н	M	N	N	NM	CL	NS	Tan clay with minor gravel			
70											<u> </u>	
75	NM	L	D	N	N	NM	SP	NS		aded fine sand with or silt	<u> </u>	
80							min		or siit -	Ť l		
85	NM	Н	D/SLM	N	N	NM	CL	NS	Grey sandy lean clay with minor medium sand and minor angular gravel			
90									Brown with oran	ge sandy lean clay		
95	NM	M/H	M	N	N	NM	CL	NS	with minor mediu	m sand and angular		
100									gravel - TD	Boring: 105'		



APPENDIX C

Photographic Log

E E N S O L U M

Photographic Log

WPX Energy Permian, LLC
North Brush Draw Federal 35 #012H
nAPP2232043831 & nAPP2302534751





Photograph: 1 Date: 9/7/2023

Description: Side wall sample location

View: East

Photograph: 2 Date: 9/7/2023

Description: Solid steel containment

View: Northeast



© 79°E (T) • 32.080305, 103.950917 ±15 m ▲ 900 m

Rockin area.

North Brushy Draw 85-12H

Ensolum, LLC

North Srushy Draw 85-12H

Photograph: 3 Date: 9/7/2023 Description: Delineation on North side of containment

View: Southeast

Photograph: 4 Date: 9/7/2023

Description: Solid rock 1" bgs

View: East

E ENSOLUM

Photographic Log

WPX Energy Permian, LLC
North Brush Draw Federal 35 #012H
nAPP2232043831 & nAPP2302534751





Date: 10/18/2023

Photograph: 5 Date: 10/18/2023

Description: Delineation-SS08

View: Northwest

Photograph: 6

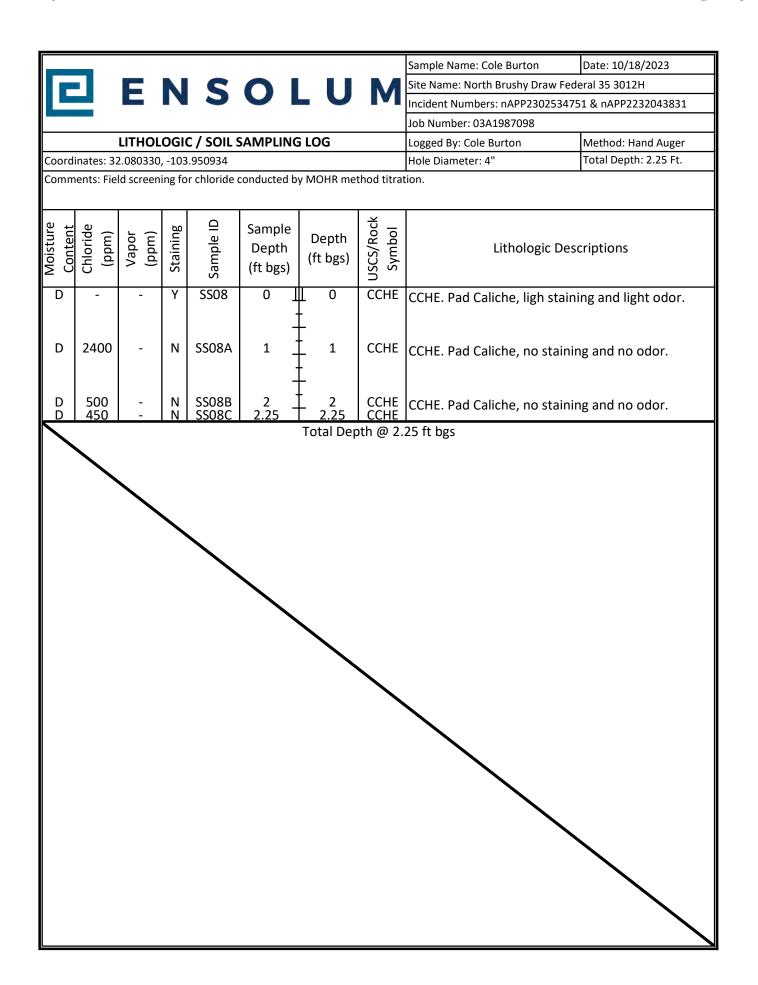
Description: Delineation-SS08

View: West



APPENDIX D

Lithologic Soil Sampling Logs





APPENDIX E

Laboratory Analytical Reports & Chain-of-Custody Documentation

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name:

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.

Date Reported: 2/27/23

Ashley Giovengo 6488 7 Rivers Hwy Artesia, NM 88210

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

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

Alexa Michaels

Sample Custody Officer Office: 505-632-1881

labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area Lynn Jarboe

Technical Representative/Client Services Office: 505-421-LABS(5227)

Cell: 505-320-4759

ljarboe@envirotech-inc.com

West Texas Midland/Odessa Area Rayny Hagan

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

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Sample Summary

Devon Energy - Carlsbad	Project Name:	North Brushy Draw Federal 35 #012H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	Reporteu:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	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 <u>Laboratory ID</u> <u>Analysis</u>

SS05A-0' E302084-06A 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

Devon Energy - Carlsbad	Project Name:	North Brushy Draw Federal 35 #012H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/27/2023 3:39:02PM

BG01 - 0' E302084-01

		E302084-01				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: 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	
o-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		101 %	70-130	02/19/23	02/20/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: 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	An	alyst: 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		105 %	50-200	02/20/23	02/20/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: KL		Batch: 2308003
Chloride	ND	20.0	1	02/20/23	02/20/23	



Devon Energy - Carlsbad	Project Name:	North Brushy Draw Federal 35 #012H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/27/2023 3:39:02PM

SS01 - 2'

	Renorting				
Result	Limit		n Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	alyst: SL		Batch: 2308002
ND	0.0250	1	02/19/23	02/20/23	
ND	0.0250	1	02/19/23	02/20/23	
ND	0.0250	1	02/19/23	02/20/23	
ND	0.0250	1	02/19/23	02/20/23	
ND	0.0500	1	02/19/23	02/20/23	
ND	0.0250	1	02/19/23	02/20/23	
	104 %	70-130	02/19/23	02/20/23	
mg/kg	mg/kg	Ana	alyst: SL		Batch: 2308002
ND	20.0	1	02/19/23	02/20/23	
	86.6 %	70-130	02/19/23	02/20/23	
mg/kg	mg/kg	Ana	alyst: KM		Batch: 2308006
ND	25.0	1	02/20/23	02/20/23	
ND	50.0	1	02/20/23	02/20/23	
	105 %	50-200	02/20/23	02/20/23	
mg/kg	mg/kg	Ana	alyst: KL		Batch: 2308003
70.7	20.0	1	02/20/23	02/20/23	
/0./	20.0	1	02/20/23	02/20/23	
	mg/kg ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 ND 0.0250 ND 0.0250 ND 20.0250 86.6 % mg/kg mg/kg mg/kg ND 25.0 ND 50.0 105 % mg/kg mg/kg mg/kg	mg/kg mg/kg Analysis ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 Mg/kg mg/kg Analysis ND 20.0 1 86.6 % 70-130 70-130 mg/kg mg/kg Analysis ND 25.0 1 ND 50.0 1 105 % 50-200 mg/kg mg/kg Analysis	Result Limit Dilution Prepared mg/kg mg/kg Analyst: SL ND 0.0250 1 02/19/23 ND 0.0250 1 02/19/23 ND 0.0250 1 02/19/23 ND 0.0500 1 02/19/23 ND 0.0250 1 02/19/23 ND 0.0250 1 02/19/23 mg/kg mg/kg Analyst: SL ND 20.0 1 02/19/23 mg/kg mg/kg Analyst: KM ND 25.0 1 02/20/23 ND 50.0 1 02/20/23 ND 50.0 1 02/20/23 mg/kg mg/kg Analyst: KM	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: SL ND 0.0250 1 02/19/23 02/20/23 ND 0.0250 1 02/19/23 02/20/23 ND 0.0250 1 02/19/23 02/20/23 ND 0.0500 1 02/19/23 02/20/23 ND 0.0500 1 02/19/23 02/20/23 ND 0.0250 1 02/19/23 02/20/23 mg/kg mg/kg Analyst: SL ND 20.0 1 02/19/23 02/20/23 mg/kg mg/kg Analyst: KM ND 25.0 1 02/19/23 02/20/23 ND 25.0 1 02/20/23 02/20/23 ND 50.0 1 02/20/23 02/20/23 ND 50.0 1 02/20/23 02/20/23 ND 50.0 1 02/20/23 02/20/23 m



Devon Energy - Carlsbad	Project Name:	North Brushy Draw Federal 35 #012H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/27/2023 3:39:02PM

SS02 - 0'

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ar	alyst: 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	
o-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		102 %	70-130	02/19/23	02/20/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ar	alyst: 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	Ar	alyst: 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		99.4 %	50-200	02/20/23	02/20/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ar	alyst: KL		Batch: 2308003
Chloride	311	20.0	1	02/20/23	02/20/23	



Devon Energy - Carlsbad	Project Name:	North Brushy Draw Federal 35 #012H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/27/2023 3:39:02PM

SS03 - 0'

		D 4:				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		yst: SL	7111117200	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	
o-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		104 %	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		85.0 %	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	
Oil 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	Anal	yst: KL		Batch: 2308003
Chloride	29.3	20.0	1	02/20/23	02/20/23	•



Devon Energy - Carlsbad	Project Name:	North Brushy Draw Federal 35 #012H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/27/2023 3:39:02PM

SS04 - 0'

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: 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	
o-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		103 %	70-130	02/19/23	02/20/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: 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	An	alyst: 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	An	alyst: KL		Batch: 2308003
Chloride	32.1	20.0	1	02/20/23	02/20/23	



Devon Energy - Carlsbad	Project Name:	North Brushy Draw Federal 35 #012H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/27/2023 3:39:02PM

SS05A - 0'

		E302084-06				
		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: 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	
o-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	An	alyst: 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	An	alyst: 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		96.2 %	50-200	02/20/23	02/20/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: BA		Batch: 2309013
Chloride	564	20.0	1	02/27/23	02/27/23	



North Brushy Draw Federal 35 #012H Devon Energy - Carlsbad Project Name: Reported: 6488 7 Rivers Hwy Project Number: 01058-0007 Artesia NM, 88210 Project Manager: Ashley Giovengo 2/27/2023 3:39:02PM **Volatile Organics by EPA 8021B** Analyst: SL Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % % Notes Blank (2308002-BLK1) Prepared: 02/19/23 Analyzed: 02/20/23 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 7.84 8.00 98.0 70-130 LCS (2308002-BS1) Prepared: 02/19/23 Analyzed: 02/20/23 4.32 86.3 70-130 5.00 Benzene 0.0250 Ethylbenzene 4.47 0.0250 5.00 89.5 70-130 4.56 0.0250 5.00 91.2 70-130 Toluene 92.0 o-Xylene 4.60 0.0250 5.00 70-130 9.09 10.0 90.9 70-130 0.0500 p.m-Xvlene 91.2 13.7 15.0 70-130 Total Xylenes 0.0250 8.00 97.2 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.78 Source: E302083-02 Matrix Spike (2308002-MS1) Prepared: 02/19/23 Analyzed: 02/20/23 5.00 0.0250 5.00 ND 54-133 Benzene 104 61-133 Ethylbenzene 5.18 0.0250 5.00 ND Toluene 5.28 0.0250 5.00 ND 106 61-130 5.33 ND 107 63-131 5.00 0.0250 o-Xylene p,m-Xylene 10.5 0.0500 10.0 ND 105 63-131 15.8 0.0250 15.0 ND 63-131 Total Xylenes 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.78 8.00 Matrix Spike Dup (2308002-MSD1) Source: E302083-02 Prepared: 02/19/23 Analyzed: 02/20/23 4.48 0.0250 5.00 ND 89.6 54-133 10.9 61-133 11.2 4.63 0.0250 5.00 ND 92.6 20 Ethylbenzene Toluene 4 72 0.0250 5.00 ND 94.5 61-130 11.1 20 4.77 5.00 ND 95.5 63-131 11.1 20 o-Xylene 0.0250 9.39 10.0 ND 93.9 63-131 11.0 20 p,m-Xylene 0.0500 Total Xylenes 14.2 0.0250 15.0 ND 94.4 63-131 11.0 20

8.00

97.1

70-130



Surrogate: 4-Bromochlorobenzene-PID

7.77

Devon Energy - Carlsbad 6488 7 Rivers Hwy	Project Name: Project Number:	North Brushy Draw Federal 35 #012H 01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/27/2023 3:39:02PM

Artesia NM, 88210		Project Manage	r: As	shley Giovens	go				2/27/2023 3:39:02PM
	Nor	nhalogenated	Organics l	by EPA 80	15D - G	RO			Analyst: SL
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	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)				Source	e: E30208	33-02	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)				Source	e: E30208	33-02	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			

Devon Energy - Carlsbad	Project Name:	North Brushy Draw Federal 35 #012H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/27/2023 3:39:02PM

Artesia NM, 88210		Project Manage	r: As	shley Gioveng	go				2/27/2023 3:39:02PM
	Nonha	logenated Or	ganics by	EPA 8015I) - DRO	/ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2308006-BLK1)							Prepared:	02/20/23	Analyzed: 02/20/23
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	52.0		50.0		104	50-200			
CS (2308006-BS1)							Prepared:	02/20/23	Analyzed: 02/20/23
Diesel Range Organics (C10-C28)	201	25.0	250		80.3	38-132			
urrogate: 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			
urrogate: 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	
urrogate: n-Nonane	49.3		50.0		98.7	50-200			

Chloride

Matrix Spike Dup (2308003-MSD1)

QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy	Project Name: Project Number:	North Brushy Draw Federal 35 #012H 01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	2/27/2023 3:39:02PM

Altesia NW, 88210		Froject Manage	1. AS	siliey Glovelig	30			212	7/2023 3.39.021 WI
		Anions	by EPA 3	00.0/9056	4				Analyst: KL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2308003-BLK1)							Prepared:	02/20/23 An	alyzed: 02/20/23
Chloride	ND	20.0							
LCS (2308003-BS1)							Prepared:	02/20/23 An	alyzed: 02/20/23
Chloride	248	20.0	250		99.3	90-110			
Matrix Spike (2308003-MS1) Source: E302083-01 Prepa								02/20/23 An	alyzed: 02/20/23
Chloride	265	200	250	ND	106	80-120			

250

Source: E302083-01

110

80-120

3.96

ND

200

275



Prepared: 02/20/23 Analyzed: 02/20/23

20

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		Reported: 2/27/2023 3:39:02PM
		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 (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)				Source	e: E30208	34-06	Prepared:	02/27/23	Analyzed: 02/27/23
Chloride	788	20.0	250	564	89.8	80-120			
Matrix Spike Dup (2309013-MSD1)				Source	e: E30208	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 and Notes

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

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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



1 3
1 %

lient:	Devon				Bill To			1	Lal	b Us	e Onl	у				TA	T		EPA F	rogram
_	North Brush			#012H	Attention: Jim Raley		Lab	WO#	35			umber		1D	2D	3D	Stand	ard	CWA	SDWA
	lanager: Asl				Address: 5315 Buena Vista Dr		E3	150	389	1	0105	58-00	TO				х			
	1224 Stan				City, State, Zip: Calsbad, NM 88220)					Analys	is and N	letho	d				-		RCRA
ity, Stat	e, Zip: Carls		88220		Phone: 575-689-7597								1							
hone:					Email: jim.raley@dvn.com		015	8015											State	
mail:	ashley.giove	ngo@we	scominc.	com			9 A		21	00	0	0.00	1	MM			NM	CO	UT AZ	TX
eport d	ue by:						NO.	ORO.	y 80	/ 82(601	Je 30			X		×			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		Lab Number	DRO/ORO by 8015	GRO/DRO by	BTEX by 8023	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC	верос			1	Remark	s
9:30	2/16/23	Soil	1 Jar		BG01 - 0'	1								х						
10:06	2/16/23	Soil	1 Jar		SS01 - 2'	2								х						
10:11	2/16/23	Soil	1 Jar		SS02 - 0'	3								х						
10:13	2/16/23	Soil	1 Jar		SS03 - 0'	4								х						
10:17	2/16/23	Soil	1 Jar		SS04 - 0'	5								х						
11:08	2/16/23	Soil	1 Jar		SS05A - 0'	6								х						
		444 (34)		Please CC: cole	burton@wescominc.com, shar.harvest	ter@wesco	mino	.com,	jim.	rale	y@dv	n.com,	ashle	ey.gic	veng	go@w	escomi	nc.com	١,	
(field sam		e validity an	d authentici	y of this sample. I a	m aware that tampering with or intentionally mislabelli	ng the sample I	ocation	١,									eived on ice t			oled or receiv
linguish	ed by: (Signatu	re)	Page	023 10	56 a Received by: (Signature)	Date 2-17-	23	Time 10	.5	8	Recei	ved on	ice:		ab Us	e Onl	У			
Mid	ed by: (Signatu	males	Date 2	17-23 Time	Received by: (Signature)	Date 2-17-	23	Time 160	45	7	<u>T1</u>			<u>T2</u>			<u></u>			
	ed by: (Signatu		Date Z-		Received by: (Signature)	2/19/8	3	Time 10:	15		AVG	Temp °(<u>.</u> 4.	.0						
	rix: S - Soil, Sd - S		idge, A - Aqu	eous, O - Other		Container	Туре	: g - gl	ass, p						s, v -	VOA				
					nless other arrangements are made. Hazardous s	amples will b	e retu	rned to	client	tord	ispose	d of at th	e clien	t expe	nse.	The re	ort for th	e analys	is of the	above



Printed: 2/20/2023 9:05:04AM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Devon Energy - Carlsbad	Date Received:	02/19/23	10:15	Work Order ID:	E302084
Phone:	(505) 382-1211	Date Logged In:	02/17/23	15:22	Logged In By:	Caitlin Christian
Email:	ashley.giovengo@wescominc.com	Due Date:	02/24/23	07:00 (4 day TAT)		
~ .	10.11.000					
	f Custody (COC)		••			
	the sample ID match the COC?	tab the COC	Yes			
	the number of samples per sampling site location ma	ich the COC	Yes			
	samples dropped off by client or carrier?	-4- d10	Yes Yes	Carrier: Courier		
	ne COC complete, i.e., signatures, dates/times, reques	sted analyses?				
5. were	all samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssi		Yes		Comment	s/Resolution
	Turn Around Time (TAT)					
6. Did th	e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample						
	sample cooler received?		Yes			
8. If yes,	was cooler received in good condition?		Yes			
9. Was tl	ne 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			
	he sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes <u>C</u>			
Sample	Container					
	aqueous VOC samples present?		No			
	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			
	non-VOC samples collected in the correct containers	?	Yes			
	appropriate volume/weight or number of sample contain		Yes			
Field La	· · ·					
	e field sample labels filled out with the minimum info	ormation:				
	Sample ID?		Yes			
	Date/Time Collected?		Yes			
	Collectors name?		No			
	<u>Preservation</u>					
	s the COC or field labels indicate the samples were pr	reserved?	No			
	sample(s) correctly preserved?		NA			
24. Is lat	o filteration required and/or requested for dissolved n	netals?	No			
	ase Sample Matrix					
	s the sample have more than one phase, i.e., multipha		No			
27. If ye	s, does the COC specify which phase(s) is to be analy	yzed?	NA			
Subcont	ract Laboratory					
	samples required to get sent to a subcontract laborato	ry?	No			
	a subcontract laboratory specified by the client and it	-	NA	Subcontract Lab: NA		
Client l	Instruction					
<u>enene i</u>	<u> </u>					

Project Information

Project: North Brushy Draw Federal 35 #012H

Email: ashley.giovengo@wescominc.com

Matrix

Soil

Soil

Soil

Soil

Soil

Soil

Containers

1 Jar

1 Jar

1 Jar

1 Jar

1 Jar

1 Jar

Sample ID

Project Manager: Ashley Giovengo

City, State, Zip: Carlsbad, NM 88220

Address: 1224 Standpipe Rd

Date Sampled

2/16/23

2/16/23

2/16/23

2/16/23

2/16/23

2/16/23

Phone: 505-382-1211

Client: Devon

Report due by:

Sampled

9:30

10:06

10:11

10:13

10:17

11:08

Lab Use Only

voc by 8260 Vietals 6010

Lab WO#

DRO/ORO by 8015 GRO/DRO by 8015

Lab

Number

3

10

E302084

Job Number

01059-0007

Analysis and Method

Bill To

Attention: Jim Raley

Phone: 575-689-7597

BG01 - 0'

SS01 - 2'

5502 - 0'

SS03 - 0'

SS04 - 0'

SS05A - 0'

samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Email: jim.raley@dvn.com

Address: 5315 Buena Vista Dr

City, State, Zip: Calsbad, NM 88220

TAT

Standard

NM CO

Renur

3D

1D 2D

MN

BGDOC

X

X

X

X

X

X

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CV	VA	SD	WA			
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		ALL ALL						
Additional Instructions: Kept on ice, Please CC: cole.burton@wescominc.com, shar.harvester@wescominc.com, jim.raley@dvn.com, ashley.giovengo@wescominc.com,								
iason.iohnsen@wescominc.com								
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelli	ng the sample location,	Samples requiring thermal preservation must be received on ice the day they are sampled or received						
date or time of collection is considered fraud and may be grounds for legal action. Sampled by:	-	packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.						
Relinquished by: (Signature) Page 17 Time 58 a Received by: (Signature) Page 2023 10:58 a Received by: (Signature)	J-17-23 Time 10.58	Lab Use Only Received on ice: (y) / N						
Reininguished by: (Signature) Date 17-23 1630 Received by: (Signature)	Date 2-17-23 1645	T1 T2 T3						
Rellinguished by: (Signature) Date Z-17-23 Time Received by: (Signature) Received by: (Signature	2/19/23 Time 10:15	AVG Temp °C 4.0						
Sample Matrix: S - Soil, 5d - Solid, 5g - Sludge, A - Aqueous, O - Other	Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA							

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above



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

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

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Sample Summary

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

Client Sample ID	Lab Sample ID M	Iatri x	Sampled	Received	Container
CONF01 - 0'	E303075-01A	Soil	03/17/23	03/22/23	Glass Jar, 2 oz.



Devon Energy - CarlsbadProject Name:North Brushy Draw Federal 35 #012H6488 7 Rivers HwyProject Number:01058-0007Reported:Artesia NM, 88210Project Manager:Ashley Giovengo3/27/2023 8:41:31AM

CONF01 - 0' E303075-01

	E505075-01					
D 1	Reporting		,· •	D 1		N.
Result	Limit	Dilut	tion I	Prepared	Analyzed	Notes
mg/kg	mg/kg	I	Analyst: SL			Batch: 2312028
ND	0.0250	1	. (03/22/23	03/22/23	
ND	0.0250	1	. (03/22/23	03/22/23	
ND	0.0250	1	. (03/22/23	03/22/23	
ND	0.0250	1	. (03/22/23	03/22/23	
ND	0.0500	1	. (03/22/23	03/22/23	
ND	0.0250	1	. (03/22/23	03/22/23	
	93.8 %	70-130	(03/22/23	03/22/23	
	99.2 %	70-130	(03/22/23	03/22/23	
	103 %	70-130	(03/22/23	03/22/23	
mg/kg	mg/kg	A	Analyst: SL			Batch: 2312028
ND	20.0	1	. (03/22/23	03/22/23	
	93.8 %	70-130	(03/22/23	03/22/23	
	99.2 %	70-130	(03/22/23	03/22/23	
	103 %	70-130	(03/22/23	03/22/23	
mg/kg	mg/kg	A	Analyst: JL			Batch: 2312041
ND	25.0	1	. (03/22/23	03/22/23	
ND	50.0	1	. (03/22/23	03/22/23	
	83.9 %	50-200	(03/22/23	03/22/23	
mg/kg	mg/kg	A	Analyst: BA			Batch: 2312032
6570	200	10	0 (03/22/23	03/23/23	
	ND Mg/kg ND Mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 ND 0.0250 MD 0.0250 MD 99.2 % 103 % mg/kg ND 20.0 93.8 % 99.2 % 103 % 103 % mg/kg mg/kg ND 25.0 ND 50.0 83.9 % mg/kg mg/kg mg/kg	Result Limit Dilu mg/kg mg/kg ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 93.8 % 70-130 99.2 % 70-130 103 % 70-130 mg/kg mg/kg ND 20.0 1 99.2 % 70-130 103 % 70-130 mg/kg mg/kg ND 25.0 1 ND 50.0 1 83.9 % 50-200 mg/kg mg/kg	Result Limit Dilution mg/kg mg/kg Analyst: SL ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 93.8 % 70-130 0 99.2 % 70-130 0 mg/kg mg/kg Analyst: SL ND 20.0 1 0 93.8 % 70-130 0 0 99.2 % 70-130 0 0 mg/kg mg/kg Analyst: SL ND 25.0 1 0 83.9 % 50-200 1 0 mg/kg mg/kg Analyst: BA	Result Limit Dilution Prepared mg/kg mg/kg Analyst: SL ND 0.0250 1 03/22/23 ND 0.0250 1 03/22/23 ND 0.0250 1 03/22/23 ND 0.0250 1 03/22/23 ND 0.0500 1 03/22/23 ND 0.0250 1 03/22/23 ND 0.0250 1 03/22/23 99.2 % 70-130 03/22/23 103 % 70-130 03/22/23 mg/kg mg/kg Analyst: SL ND 20.0 1 03/22/23 99.2 % 70-130 03/22/23 99.2 % 70-130 03/22/23 103 % 70-130 03/22/23 mg/kg mg/kg Analyst: JL ND 25.0 1 03/22/23 ND 50.0 1 03/22/23 83.9 % 50-200 03/22/23	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: SL ND 0.0250 1 03/22/23 03/22/23 ND 0.0500 1 03/22/23 03/22/23 ND 0.0250 1 03/22/23 03/22/23 99.2 % 70-130 03/22/23 03/22/23 99.2 % 70-130 03/22/23 03/22/23 mg/kg mg/kg Analyst: SL ND 20.0 1 03/22/23 03/22/23 99.2 % 70-130 03/22/23 03/22/23 99.2 % 70-130 03/22/23 03/22/23 103 % 70-130 03/22/23 03/22/23 mg/kg mg/kg Analyst: JL ND 25.0 1 03/22/



Devon Energy - Carlsbad North Brushy Draw Federal 35 #012H Project Name: Reported: Project Number: 6488 7 Rivers Hwy 01058-0007 Artesia NM, 88210 Project Manager: Ashley Giovengo 3/27/2023 8:41:31AM **Volatile Organic Compounds by EPA 8260B** Analyst: SL 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: 03/22/23 Analyzed: 03/22/23 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 ND 0.0250 Total Xylenes Surrogate: Bromofluorobenzene 0.470 0.500 93.9 70-130 Surrogate: 1,2-Dichloroethane-d4 0.491 0.500 98.1 70-130 0.500 102 70-130 Surrogate: Toluene-d8 0.509 LCS (2312028-BS1) Prepared: 03/22/23 Analyzed: 03/23/23 2.09 0.0250 2.50 83.4 70-130 Benzene 2.50 88.0 70-130 2.20 Ethylbenzene 0.0250 2.18 0.0250 2.50 87.1 70-130 90.1 70-130 2.25 0.0250 2.50 o-Xylene 4.46 5.00 89.3 70-130 p,m-Xylene 0.0500 6.72 0.0250 7.50 89.6 70-130 Total Xylenes Surrogate: Bromofluorobenzene 0.500 0.500 100 70-130 0.500 93.8 70-130 Surrogate: 1,2-Dichloroethane-d4 0.469 70-130 Surrogate: Toluene-d8 0.500 0.513 Matrix Spike (2312028-MS1) Source: E303073-21 Prepared: 03/22/23 Analyzed: 03/22/23 48-131 2.09 0.0250 2.50 ND 83.8 45-135 Ethylbenzene 2.18 0.0250 2.50 ND 87.2 48-130 Toluene 2.18 0.0250 2.50 ND 87.0 2.25 0.0250 2.50 ND 90.0 43-135 o-Xylene 4.44 ND 88.8 43-135 p,m-Xylene 0.0500 5.00 Total Xylenes 6.69 0.0250 7.50 ND 89.2 43-135 Surrogate: Bromofluorobenzene 0.502 0.500 100 70-130 0.500 97.9 70-130 Surrogate: 1,2-Dichloroethane-d4 0.490 0.500 70-130 0.514 Surrogate: Toluene-d8 Matrix Spike Dup (2312028-MSD1) Source: E303073-21 Prepared: 03/22/23 Analyzed: 03/22/23 2.15 0.0250 2.50 ND 86.0 48-131 2.69 23 2.27 0.0250 2.50 ND 90.7 45-135 3.98 27 Ethylbenzene ND 48-130 3.37 24 2.25 2.50 90.0 Toluene 0.0250



2.33

4.61

6.94

0.504

0.497

0.514

0.0250

0.0500

0.0250

2.50

5.00

7.50

0.500

0.500

0.500

ND

ND

ND

93.1

92.2

92.5

101

99.4

43-135

43-135

43-135

70-130

70-130

70-130

3.41

3.69

3.60

27

27

27

o-Xylene

p,m-Xylene

Total Xylenes

Surrogate: Toluene-d8

Surrogate: Bromofluorobenzene

Surrogate: 1,2-Dichloroethane-d4

North Brushy Draw Federal 35 #012H Devon Energy - Carlsbad Project Name: Reported: 6488 7 Rivers Hwy Project Number: 01058-0007 Artesia NM, 88210 Project Manager: Ashley Giovengo 3/27/2023 8:41:31AM

NI I I	A	L EDA	0015D	CDO
Nonhalogenated	Organics i	DV EPA	80151) -	CKO

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

•	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 Ana	alyzed: 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 Ana	alyzed: 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-	21	Prepared: 0	3/22/23 Ana	alyzed: 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-	21	Prepared: 0	3/22/23 Ana	alyzed: 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			



Devon Energy - Carlsbad	Project Name:	North Brushy Draw Federal 35 #012H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	3/27/2023 8:41:31AM

Artesia NM, 88210		Project Manage	r: As	shley Gioveng	go				3/27/2023 8:41:31AM
	Nonha	logenated Or	ganics by	EPA 8015I	D - 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 (2312041-BLK1)							Prepared: 0	3/22/23	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	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:	E303075-0	01	Prepared: 0	3/22/23	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	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			

Matrix Spike (2312032-MS1)

Matrix Spike Dup (2312032-MSD1)

Chloride

Chloride

253

254

Prepared: 03/22/23 Analyzed: 03/23/23

Prepared: 03/22/23 Analyzed: 03/23/23

20

QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210		Project Name: Project Number Project Manager	: 0	North Brushy D 1058-0007 Ashley Giovens		ral 35 #012	Н		Reported: 3/27/2023 8:41:31AM
711tesia 1111, 00210		<u> </u>		300.0/9056A					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 (2312032-BLK1)							Prepared: 0	3/22/23 A	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			

250

250

20.0

20.0

Source: E303073-21

Source: E303073-21

101

101

80-120

80-120

0.167

ND

ND

QC Summary Report Comment:

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



Definitions and Notes

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

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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



	1	ſ
Page	of	

Client:	Devon					Bill To				L	ab U	se On	ily			7.	TA	AT.	EPA Pr	ogram
Project:	North Brush	Draw Fe	deral 35	#012H		Attention: Jim Raley		Lab	WO	#		Job	Num	ber	1D	2D	3D	Standard	CWA	SDWA
Project N	/lanager: As	hley Giov	engo		1	Address: 5315 Buena Vista Dr		F?	303	77	5	010	58	-000-	-			X		
Address:	1224 Stan	dpipe Rd				City, State, Zip: Calsbad, NM 882	20							nd Method						RCRA
City, Stat	e, Zip: Carls	bad, NM	88220			Phone: 575-689-7597						7		7 - 7						Y
Phone:	505-382-1	211				Email: jim.raley@dvn.com		15	15		1								State	
Email:	ashley.giove	ngo@we	scominc.	com	1 8			780	by 8015	н	_		0.0		-		1	NM CO	UT AZ	TX
Report d								DRO/ORO by 8015	O by	8021	8260	Metals 6010	Chloride 300.0		Σ	×	1 1	×		
Time	135 TO 1	786 Silv. 1	No. of	J. C. C. S. L. C.			Lab	7 %	GRO/DRO	è	by 8	als 6	ride		00	2			Kara an	
Sampled	Date Sampled	Matrix	Containers	Sample ID			Numbe	r 8	SRO	BTEX	VOC by	Met	Chlo	11.1	BGDOC	BGDOC			Remarks	
13:06	03.17.202		1 (a) (b) (c)		10.12	-Conf-0*	1		-		-	-			1/	ш.				
15.00	2	Soil	1 Jar		C	NEOT -O'								las III.	X					
3	3					MALOF		7												
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			_												-					
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							_	-	-	-			1	1.1						
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											100									
Addition	al Instructio	ns: Kep	t on ice, I	Please CC:	cole.bur	ton@wescominc.com, shar.harve	ster@wes	comin	c.con	n, jin	n.rale	ey@d	lvn.c	om, ashle	ey.gi	oven	go@v	wescominc.co	om,	
	nnsen@wes																			
The second second						re that tampering with or intentionally mislabe	elling the sampl	e locati	on,				110 110					ceived on ice the day	The state of the s	ed or received
	of collection is o	1	200-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0	A STATE OF THE RESERVE OF THE RESERV								раскес	in ice	at an avg temp				6 °C on subsequent o	ays.	
Relinguish	ed by. (Signatu	re)	ALC: C. C. C.	.2023	L:42 PM	Received by: (Signature)	3-20	12	Time								se On	ly		
XOL	yua d	Jere				Mi celle Cy &	J-dl	1-20	113	42		Rece	eived	on ice:	(Y	YN	1			1
	ed by: (Signatu	re)	03.20	.2023	142 PM	Received by: (Signature)	Date		Time						-					110
		Chire			1700	Aldrew justo	3-2	1-23	5	:30	6	T1			T2			T3		
	ed by: (Signatu	re)	Date		Time	Received by: (Signature)	Date		Time					1	1					
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						ther arrangements are made. Hazardou												eport for the an	lysis of the	bove
						with this COC. The liability of the laborato									npi			und and	, and an enter	



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Rege State and the client expense. The report for the analysis of the above for on the report.

Printed: 3/22/2023 10:06:27AM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Devon Energy - Carlsbad	Date Received:	03/22/23	05:00		Work Order ID:	E303075
Phone:	(505) 382-1211	Date Logged In:	03/21/23	14:14		Logged In By:	Alexa Michaels
Email:	ashley.giovengo@wescominc.com	Due Date:		17:00 (3 day TAT)		8 8 , -	
Chain of	Custody (COC)						
1. Does th	ne sample ID match the COC?		Yes				
2. Does th	ne number of samples per sampling site location mat	ch the COC	Yes				
3. Were sa	amples dropped off by client or carrier?		Yes	Carrier: C	Courier		
4. Was the	e COC complete, i.e., signatures, dates/times, reques	ted analyses?	Yes	- · · · · -			
5. Were al	Il samples received within holding time?	•	Yes				
	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion				r	Comments	s/Resolution
Sample T	<u>urn Around Time (TAT)</u>						
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C	<u>Cooler</u>						
7. Was a s	sample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was the	e sample(s) received intact, i.e., not broken?		Yes				
10. Were	custody/security seals present?		No				
	were custody/security seals intact?		NA				
•	e sample received on ice? If yes, the recorded temp is 4°C,	ie 6°+2°C	Yes				
	Note: Thermal preservation is not required, if samples are minutes of sampling	e received w/i 15					
13. If no v	visible ice, record the temperature. Actual sample	temperature: 4°0	<u>C</u>				
Sample C	<u>Container</u>						
14. Are ac	queous VOC samples present?		No				
15. Are V	OC 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 no	on-VOC samples collected in the correct containers?	•	Yes				
19. Is the a	appropriate volume/weight or number of sample contain	ers collected?	Yes				
Field Lab	<u>oel</u>						
20. Were	field sample labels filled out with the minimum info	rmation:					
	ample ID?		Yes				
	ate/Time Collected?		Yes				
	ollectors name?		Yes				
	reservation	10					
	the COC or field labels indicate the samples were pr	eserved?	No				
	ample(s) correctly preserved?	. 1.0	NA				
24. Is lab	filteration required and/or requested for dissolved m	etals?	No				
<u>Multipha</u>	se Sample Matrix						
	the sample have more than one phase, i.e., multiphas		No				
27. If yes,	, does the COC specify which phase(s) is to be analy	zed?	NA				
Subcontr	act Laboratory						
	amples required to get sent to a subcontract laborator	v?	No				
	subcontract laboratory specified by the client and if	-	NA	Subcontract Lab	o NA		
				Successive Eur			
Chent in	<u>astruction</u>						

Date

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 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

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

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

Alexa Michaels

Sample Custody Officer Office: 505-632-1881

labadmin@envirotech-inc.com

Field Offices:

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Technical Representative/Client Services Office: 505-421-LABS(5227)

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ljarboe@envirotech-inc.com

West Texas Midland/Odessa Area Rayny Hagan

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

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Sample Summary

Γ	Ensolum, LLC	Project Name:	North Brushy Draw Fed 35 #012H	
l	3122 National Parks Hwy	Project Number:	01058-0007	Reported:
١	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.



		_
Cana	NT.	rative:
Uase	INA	ranve

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



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	9/15/2023 12:13:42PM

SW01 - 0' E309072-01

		E309072-01					
Analyte	Result	Reporting Limit		ıtion	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	



North Brushy Draw Fed 35 #012H Ensolum, LLC Project Name: Reported: Project Number: 3122 National Parks Hwy 01058-0007 Carlsbad NM, 88220 Project Manager: Ashley Giovengo 9/15/2023 12:13:42PM **Volatile Organic Compounds by EPA 8260B** Analyst: RKS Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2337004-BLK1) Prepared: 09/11/23 Analyzed: 09/11/23 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 ND 0.0250 Total Xylenes Surrogate: Bromofluorobenzene 0.547 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 LCS (2337004-BS1) Prepared: 09/11/23 Analyzed: 09/11/23 2.49 0.0250 2.50 99.4 70-130 Benzene 2.50 103 70-130 2.57 Ethylbenzene 0.0250 2.48 0.0250 2.50 99.2 70-130 107 70-130 2.67 0.0250 2.50 o-Xylene 5.22 5.00 104 70-130 p,m-Xylene 0.0500 7.89 0.0250 7.50 105 70-130 Total Xylenes Surrogate: Bromofluorobenzene 0.527 0.500 105 70-130 0.500 96.7 70-130 Surrogate: 1,2-Dichloroethane-d4 0.484 70-130 Surrogate: Toluene-d8 0.501 0.500 Matrix Spike (2337004-MS1) Source: E309054-01 Prepared: 09/11/23 Analyzed: 09/11/23 2.51 0.0250 2.50 ND 48-131 45-135 Ethylbenzene 2.58 0.0250 2.50 ND 103 99.7 48-130 Toluene 2.49 0.0250 2.50 ND 2.67 0.0250 2.50 ND 107 43-135 o-Xylene 5.20 ND 104 43-135 p,m-Xylene 0.0500 5.00 Total Xylenes 7.87 0.0250 7.50 ND 105 43-135 Surrogate: Bromofluorobenzene 0.536 0.500 107 70-130 0.500 93.6 70-130 Surrogate: 1,2-Dichloroethane-d4 0.468 0.500 70-130 0.498 99.6 Surrogate: Toluene-d8 Matrix Spike Dup (2337004-MSD1) Source: E309054-01 Prepared: 09/11/23 Analyzed: 09/12/23 2.50 0.0250 2.50 ND 99.9 48-131 0.400 23 2.59 0.0250 2.50 ND 45-135 0.328 27 Ethylbenzene ND 99.5 48-130 0.221 24 2.49 2.50 Toluene 0.0250 o-Xylene 2.68 0.0250 2.50 ND 107 43-135 0.430 27 5.23 5.00 ND 105 43-135 0.623 27 p,m-Xylene 0.0500 0.558 27 7.91 0.0250 7.50 ND 105 43-135 Total Xylenes Surrogate: Bromofluorobenzene 0.532 0.500 106 70-130 0.500 95.5 70-130 Surrogate: 1,2-Dichloroethane-d4 0.478



0.500

70-130

0.496

Surrogate: Toluene-d8

Surrogate: Toluene-d8

QC Summary Data

Ensolum, LLC Project Name: North Brushy Draw Fed 35 #012H Reported:
3122 National Parks Hwy Project Number: 01058-0007
Carlsbad NM, 88220 Project Manager: Ashley Giovengo 9/15/2023 12:13:42PM

Carlsbad NM, 88220		Project Number: Project Manager		os8-0007 shley Giovengo	•			!	9/15/2023 12:13:42PM			
	Nonhalogenated Organics by EPA 8015D - GRO											
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:	E30905	4-01	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:	E30905	4-01	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						

0.500

0.508

102

70-130

Ensolum, LLC	Project Name:	North Brushy Draw Fed 35 #012H	Reported:
3122 National Parks Hwy	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	9/15/2023 12:13:42PM

Carlsbad NM, 88220		Project Manage	r: As	shley Gioveng	go				9/15/2023 12:13:42PN
	Nonhal	logenated Or	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 (2337029-BLK1)							Prepared:	09/12/23	Analyzed: 09/13/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	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)				Sourc	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)				Sourc	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			



Ensolum, LLC 3122 National Parks Hwy Carlsbad NM, 88220	Project Name: Project Number: Project Manager	roject Number: 01058-0007						Reported: 9/15/2023 12:13:42PM		
				300.0/9056					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

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.



_ of _	Rece
1	ived by
	eceived by OCD:
	11/2/2023 8:41:33 AN

Client: E	nsolum, LLC					Bill To				La	ab Us	se Or	ly					TA		EPA P	rogram
Project:	North Brush	y Draw F	ed 35 #0	12H	A	ttention: Jim Raley	, i		b WO#			Job	Num	ber		1D	2D	3D	Standard	CWA	SDWA
Project N	Manager: As	hley Giov	vengo		A	ddress: 5315 Buena Vista Dr		E	300	3	12	Ol0	DY	5000	JT	-			X		
Address:	3122 Natio	nal Parks	Hwy		Ci	ty, State, Zip: Carlsbad NM, 88	220			_	-	A STATE OF THE PARTY NAMED IN	-	nd Me							RCRA
City, Stat	e, Zip: Carls	sbad NM,	88220		PI	none: (575)689-7597			þ												
Phone:	575-988-005	5			Eı	mail: jim.raley@dvn.com			ORO											State	
Email: a	giovengo@e	ensolum.c	com						0/0	-	I E		0.			NΝ			NM CC	UT AZ	TX
Report d	ue by:								JO.	802	3260	010	300					¥	×		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID			Lab Number		TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			верос		GDOC		Remarks	
9:10	9/7/2023	Soil	1 Jar			SW01 - 0'										х					
									1												
						44 - 41		_													
	7		-								71										
							-	-	-												
Addition	al Instructio	ns: Plea	ase CC: cl	urton@enso	olum.co	m, agiovengo@ensolum.com, j	m.raley@dv	vn.c	om, cl	hami	Iton	@ens	solur	n.com	1						
I, (field sam	pler), attest to th	ne validity an	d authentici	ty of this sample.	I am aware	e that tampering with or intentionally misla	belling the samp	ole loc	cation,			A LINE LAND							eceived on ice the d		pled or
date or time	of collection is	considered f	raud and ma	y be grounds for l	legal action	. Sampled by:						receiv	еа раск	ed in ice	at an a	vg tem	p abov	e o but	less than 6 °C on su	osequent days.	
Relinquish	ed by: (Signatu	re)	Date	-8-23 Tim	1:12	Received by: (Signature)	Date 9-8-	23	Time	112	_	Rec	eived	on ic	e:	(Y	100000	se Or I	nly		
	ed by: (Signatu	re)	Date	-8-23 Tim	870	Received by: (Signature)	Date 4-8.	23	Time	320	9	T1				T2			T3		
Relinquish	ed by: (Signatu	re) /	Date Q	a.23 7	241=	Received by: (Signature)	Qq.	23	3 Time	0	C	AVG	Ten	np °C_	1	4					
Sample Ma	rix: S - Soil, Sd - S		ıdge, A - Anı	ieous, O - Other		- way	Containe	r Tv	pe:g-	glass	. p - r	_			amb	er gla	iss. v	- VO	A		
					unless ot	ner arrangements are made. Hazardo														analysis of	the above
						ith this COC. The liability of the labora													A LANGUAGE STATE	AND DERMINATED	OCETA-HITE



Printed: 9/11/2023 10:38:46AM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Ensolum, LLC	Date Received:	09/09/23 0	9:00		Work Order ID:	E309072
Phone:	(575) 988-0055	Date Logged In:	09/09/23 1	1:09		Logged In By:	Alexa Michaels
Email:	a.giovengo@ensolum.com	Due Date:	09/15/23 1	17:00 (4 day TAT)			
Chain of	Custody (COC)						
1. Does th	e sample ID match the COC?		Yes				
2. Does th	e number of samples per sampling site location mat	tch the COC	Yes				
3. Were sa	imples dropped off by client or carrier?		Yes	Carrier: Co	<u>ourier</u>		
4. Was the	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes				
5. Were al	I samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion.	•	Yes			Comments	s/Resolution
Sample T	urn Around Time (TAT)	· · ·		Г		<u> </u>	
	COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C	<u>ooler</u>						
7. Was a s	ample cooler received?		Yes				
8. If yes, v	was cooler received in good condition?		Yes				
9. Was the	e sample(s) received intact, i.e., not broken?		Yes				
10. Were	custody/security seals present?		No				
	were custody/security seals intact?		NA				
12. Was the	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes				
Sample C		temperature. 1	<u>~</u>				
	queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers'	9	Yes				
	appropriate volume/weight or number of sample contain		Yes				
	· · ·	iers conecteur	105				
Field Lab	net. Field sample labels filled out with the minimum info	rmation					
	imple ID?	mation.	Yes				
	ate/Time Collected?		Yes	L			
	ollectors name?		Yes				
Sample P	<u>reservation</u>						
21. Does t	the COC or field labels indicate the samples were pr	reserved?	No				
22. Are sa	mple(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved m	netals?	No				
Multipha	se Sample Matrix						
	he sample have more than one phase, i.e., multipha	se?	No				
	does the COC specify which phase(s) is to be analy		NA				
	act Laboratory						
	imples required to get sent to a subcontract laborator	en r9	No				
	subcontract laboratory specified by the client and if	•	NA	Culta amena at I ala.	NIA		
		so who:	INA	Subcontract Lab:	NA		
Client In	struction						

Date

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

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Ensolum, LLC

Project Name: 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

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

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

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Alexa Michaels

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labadmin@envirotech-inc.com

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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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QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	9
QC - Anions by EPA 300.0/9056A	10
Definitions and Notes	11
Chain of Custody etc.	12

Sample Summary

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

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.



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 9/13/2023 12:24:59PM

SS06 - 0' E309073-01

		1007070 01					
Analyte	Result	Reporting Limit	Dilu	tion	Prepared	Analyzed	Notes
Anaryte	Result	Limit	Dilu	шоп	Frepared	Allalyzeu	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: R	KS		Batch: 2337004
Benzene	ND	0.0250	1	I	09/11/23	09/12/23	
Ethylbenzene	ND	0.0250	1	I	09/11/23	09/12/23	
Toluene	ND	0.0250	1	l	09/11/23	09/12/23	
o-Xylene	ND	0.0250	1	l	09/11/23	09/12/23	
p,m-Xylene	ND	0.0500	1	l	09/11/23	09/12/23	
Total Xylenes	ND	0.0250	1	l	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		Analyst: R	KS		Batch: 2337004
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	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		Analyst: Jl	L		Batch: 2337030
Diesel Range Organics (C10-C28)	ND	25.0	1		09/12/23	09/12/23	
Oil Range Organics (C28-C36)	ND	50.0	1	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		Analyst: B	A		Batch: 2337018
Chloride	136	40.0	2	2	09/11/23	09/13/23	



Ensolum, LLCProject Name:North Brushy Draw Fed 35 #012H3122 National Parks HwyProject Number:01058-0007Reported:Carlsbad NM, 88220Project Manager:Ashley Giovengo9/13/2023 12:24:59PM

SS07 - 0' E309073-02

		2007070 02					
Analyte	Result	Reporting Limit		ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	•	•	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		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	
Oil 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	_



North Brushy Draw Fed 35 #012H Ensolum, LLC Project Name: Reported: Project Number: 3122 National Parks Hwy 01058-0007 Carlsbad NM, 88220 Project Manager: Ashley Giovengo 9/13/2023 12:24:59PM **Volatile Organic Compounds by EPA 8260B** Analyst: RKS Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2337004-BLK1) Prepared: 09/11/23 Analyzed: 09/11/23 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 ND 0.0250 Total Xylenes Surrogate: Bromofluorobenzene 0.547 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 LCS (2337004-BS1) Prepared: 09/11/23 Analyzed: 09/11/23 2.49 0.0250 2.50 99.4 70-130 Benzene 2.50 103 70-130 2.57 Ethylbenzene 0.0250 2.48 0.0250 2.50 99.2 70-130 107 70-130 2.67 0.0250 2.50 o-Xylene 5.22 5.00 104 70-130 p,m-Xylene 0.0500 7.89 0.0250 7.50 105 70-130 Total Xylenes Surrogate: Bromofluorobenzene 0.527 0.500 105 70-130 0.500 96.7 70-130 Surrogate: 1,2-Dichloroethane-d4 0.484 70-130 Surrogate: Toluene-d8 0.501 0.500 Matrix Spike (2337004-MS1) Source: E309054-01 Prepared: 09/11/23 Analyzed: 09/11/23 48-131 2.51 0.0250 2.50 ND 45-135 Ethylbenzene 2.58 0.0250 2.50 ND 103 ND 99.7 48-130 Toluene 2.49 0.0250 2.50 2.67 0.0250 2.50 ND 107 43-135 o-Xylene 5.20 5.00 ND 104 43-135 p,m-Xylene 0.0500 Total Xylenes 7.87 0.0250 7.50 ND 105 43-135 Surrogate: Bromofluorobenzene 0.536 0.500 107 70-130 0.500 93.6 70-130 Surrogate: 1,2-Dichloroethane-d4 0.468 0.500 70-130 0.498 99.6 Surrogate: Toluene-d8 Matrix Spike Dup (2337004-MSD1) Source: E309054-01 Prepared: 09/11/23 Analyzed: 09/12/23 2.50 0.0250 2.50 ND 99.9 48-131 0.400 23 2.59 0.0250 2.50 ND 45-135 0.328 27 Ethylbenzene

ND

ND

ND

ND

2.50

2.50

5.00

7.50

0.500

0.500

0.500

0.0250

0.0250

0.0500

0.0250

99.5

107

105

105

106

95.5

48-130

43-135

43-135

43-135

70-130

70-130

70-130

0.221

0.430

0.623

0.558

24

27

27

27



Toluene

o-Xylene

p,m-Xylene

Total Xylenes

Surrogate: Toluene-d8

Surrogate: Bromofluorobenzene

Surrogate: 1,2-Dichloroethane-d4

2.49

2.68

5.23

7.91

0.532

0.478

0.496

Analyst: RKS

QC Summary Data

North Brushy Draw Fed 35 #012H Ensolum, LLC Project Name: Reported: 3122 National Parks Hwy Project Number: 01058-0007 Carlsbad NM, 88220 Project Manager: Ashley Giovengo 9/13/2023 12:24:59PM

Nonh	aloge	nated	Organics	by EPA 8	015D - GRO	

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

•	Result	Limit	Level	Result	Rec	Limits	RPD	Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2337004-BLK1)							Prepared: 0	9/11/23 Ana	alyzed: 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 Ana	alyzed: 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:	E309054-0	01	Prepared: 0	9/11/23 Ana	alyzed: 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:	E309054-0	01	Prepared: 0	9/11/23 Ana	alyzed: 09/12/23
Gasoline Range Organics (C6-C10)	53.2	20.0	50.0	ND	106	70-130	5.78	20	
Gasonne Range Organics (Co-C10)	33.2								
	0.531		0.500		106	70-130			
Surrogate: Bromofluorobenzene Surrogate: 1,2-Dichloroethane-d4			0.500 0.500		106 96.4	70-130 70-130			

Ensolum, LLCProject Name:North Brushy Draw Fed 35 #012HReported:3122 National Parks HwyProject Number:01058-0007Carlsbad NM, 88220Project Manager:Ashley Giovengo9/13/2023 12:24:59PM

Carlsbad NM, 88220		Project Manage	r: As	hley Gioveng	go				9/13/2023 12:24:59PI
	Nonha	logenated Or	ganics by	EPA 8015I	D - DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2337030-BLK1)							Prepared: 0	9/12/23 A	nalyzed: 09/12/23
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	48.4		50.0		96.8	50-200			
LCS (2337030-BS1)							Prepared: 0	9/12/23 A	nalyzed: 09/12/23
Diesel Range Organics (C10-C28)	260	25.0	250		104	38-132			
urrogate: n-Nonane	47.6		50.0		95.1	50-200			
Matrix Spike (2337030-MS1)				Source:	E309070-	05	Prepared: 0	9/12/23 A	nalyzed: 09/12/23
Diesel Range Organics (C10-C28)	252	25.0	250	ND	101	38-132			
urrogate: n-Nonane	47.4		50.0		94.8	50-200			
Matrix Spike Dup (2337030-MSD1)				Source:	E309070-	05	Prepared: 0	9/12/23 A	nalyzed: 09/12/23
Diesel Range Organics (C10-C28)	262	25.0	250	ND	105	38-132	3.99	20	
'urrogate: n-Nonane	48.3		50.0		96.5	50-200			

Ensolum, LLC 3122 National Parks Hwy Carlsbad NM, 88220		Project Name: Project Number: Project Manager:	(North Brushy D 01058-0007 Ashley Gioveng		5 #012H			Reported: 9/13/2023 12:24:59PM
,		Anions		300.0/9056					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:	E309045-0	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:	E309045-0	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.



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	nsolum, LLC.				Bill To				Lab L	lse O	nly				TA		EPA P	rogram
	North Brush			12H	Attention: Jim Raley			WO#			Num			2D	3D	Standard	CWA	SDWA
	lanager: As				Address: 5315 Buena Vista Dr		E.2	090	573	SOK	5	800	+			X		
	3122 Natio				City, State, Zip: Carlsbad NM, 883	220				Anal	ysis a	nd Meth	od			g (WAL STRIPTIN		RCRA
	e, Zip: Carls		88220		Phone: (575)689-7597			by										
	75-988-005				Email: jim.raley@dvn.com			ORO									State	
Email: a	giovengo@e	nsolum.c	om					30/0	7		0.0		Σ			NM CO	UT AZ	TX
Report d	ue by:							IQ/C	8260	2010	300				X	×		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		Lab Number		TPH GRO/DRO/ORO by 8015	BTEX by 8021 VOC by 8260	Metals 6010	Chloride 300.0		BGDOC		GDOC		Remarks	
10:36	9/7/2023	Soil	1 Jar		SS06 - 0'	1							х					
10:47	9/7/2023	Soil	1 Jar		SS07 - 0'	2							х					
					New York Co.													
						No front												
													+	-				
													+					
Addition	al Instructio	ns: Plea	se CC: cl	ourton@enso	um.com, agiovengo@ensolum.com, ji	m.raley@dv	n.cor	n, chai	milton	@en	solur	n.com						
				ty of this sample. I	am aware that tampering with or intentionally mislal gal action. Sampled by:	elling the samp	le locat	ion,		1000						eived on ice the day		oled or
	ed by Signatur		Date	Time	Received by: (Signature)	Date 9-80	23	Time	2	Rec	eivec	l on ice:		ab U	se On	ly		
	ed by: (Signatur	re)	Date	8-23 Time	Received by: (Signature)	Date 9.8.		Time 18	20	T1			T2			<u>T3</u>		
Relinquish	ed by: (Signatur		Date			Pate Q.Q.	23	Time 9	00	AVG	i Ten	np °C	4					
1 /		The second secon					-											



elient expense. The report for the analysis of the above

Printed: 9/11/2023 10:42:01AM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Ensolum, LLC	Date Received:	09/09/23	09:00		Work Order ID:	E309073
Phone:	(575) 988-0055	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	Custody (COC)						
	the sample ID match the COC?		Yes				
	the number of samples per sampling site location mat	ch the COC	Yes				
	samples dropped off by client or carrier?		Yes	Carrier: C	Courier		
	ne COC complete, i.e., signatures, dates/times, reques	ted analyses?	Yes	Carrier. <u>c</u>	<u>ourici</u>		
	all samples received within holding time?	<i>j</i>	Yes				
	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssic			,		Comment	s/Resolution
	<u> Furn Around Time (TAT)</u>						
6. Did th	e COC indicate standard TAT, or Expedited TAT?		Yes				
Sample							
	sample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was th	ne sample(s) received intact, i.e., not broken?		Yes				
10. Were	custody/security seals present?		No				
11. If yes	s, were custody/security seals intact?		NA				
	ne sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes				
		temperature. 4	<u>c</u>				
	Container queous 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?	1	Yes				
	appropriate volume/weight or number of sample contain		Yes				
Field La		iers conceteu.	103				
	field sample labels filled out with the minimum info	rmation:					
	Sample ID?	i i i i i i i i i i i i i i i i i i i	Yes				
	Date/Time Collected?		Yes				
(Collectors name?		Yes				
	<u>Preservation</u>						
	the COC or field labels indicate the samples were pr	eserved?	No				
	ample(s) correctly preserved?		NA				
24. Is lat	filteration required and/or requested for dissolved m	etals?	No				
Multiph	ase Sample Matrix						
26. Does	the sample have more than one phase, i.e., multiphas	se?	No				
27. If yes	s, does the COC specify which phase(s) is to be analy	zed?	NA				
Subcont	ract Laboratory						
	samples required to get sent to a subcontract laborator	v?	No				
	a subcontract laboratory specified by the client and if	-	NA	Subcontract Lab	: NA		
	nstruction						

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

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

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

Alexa Michaels

Sample Custody Officer Office: 505-632-1881

labadmin@envirotech-inc.com

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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 Summary

Devon Energy - Carlsbad	Project Name:	North Brushy Draw Federal 35 #012H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	Keporteu:
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.
SS08C - 2.25'	E310187-03A Soil	10/18/23	10/20/23	Glass Jar, 2 oz.



Devon Energy - Carlsbad	Project Name:	North Brushy Draw Federal 35 #012H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	10/27/2023 12:13:56PM

SS08A - 1' E310187-01

		E310107-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: 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	
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	Analy	Analyst: 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	Analy	st: 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	Analy	st: RAS		Batch: 2342102
Chloride	6400	400	20	10/20/23	10/24/23	

Devon Energy - Carlsbad	Project Name:	North Brushy Draw Federal 35 #012H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	10/27/2023 12:13:56PM

SS08B - 2' E310187-02

		E310167-02				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
				•	,	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anaiy	st: 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	
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		93.2 %	70-130	10/19/23	10/25/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	Analyst: RKS		Batch: 2342092
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/19/23	10/25/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.6 %	70-130	10/19/23	10/25/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: 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		95.3 %	50-200	10/20/23	10/20/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: RAS		Batch: 2342102
Chloride	2790	400	20	10/20/23	10/24/23	·



Devon Energy - Carlsbad	Project Name:	North Brushy Draw Federal 35 #012H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	10/27/2023 12:13:56PM

SS08C - 2.25'

		E310187-03				
		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: 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	
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		94.4 %	70-130	10/19/23	10/25/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: 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	An	alyst: 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		99.9 %	50-200	10/20/23	10/20/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: RAS		Batch: 2342102
Chloride	580	20.0	1	10/20/23	10/24/23	



North Brushy Draw Federal 35 #012H Devon Energy - Carlsbad Project Name: Reported: 6488 7 Rivers Hwy Project Number: 01058-0007 Artesia NM, 88210 Project Manager: Ashley Giovengo 10/27/2023 12:13:56PM **Volatile Organics by EPA 8021B** Analyst: RKS Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2342092-BLK1) Prepared: 10/19/23 Analyzed: 10/25/23 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 7.77 8.00 97.1 70-130 LCS (2342092-BS1) Prepared: 10/19/23 Analyzed: 10/25/23 4.97 5.00 99.5 70-130 Benzene 0.0250 Ethylbenzene 4.87 0.0250 5.00 97.4 70-130 4.94 0.0250 5.00 98.8 70-130 Toluene 98.7 o-Xylene 4.93 0.0250 5.00 70-130 9.92 10.0 99.2 70-130 0.0500 p.m-Xvlene 99.0 70-130 14.9 15.0 Total Xylenes 0.0250 8.00 96.9 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.75 Matrix Spike (2342092-MS1) Source: E310132-14 Prepared: 10/19/23 Analyzed: 10/25/23 4.95 0.0250 5.00 ND 54-133 Benzene ND 97.1 61-133 Ethylbenzene 4.86 0.0250 5.00 Toluene 4.92 0.0250 5.00 ND 98.4 61-130 4.89 ND 97.7 63-131 5.00 0.0250 o-Xylene p,m-Xylene 9.89 0.0500 10.0 ND 98.9 63-131 0.0250 15.0 ND 63-131 Total Xylenes 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.85 8.00 Matrix Spike Dup (2342092-MSD1) Source: E310132-14 Prepared: 10/19/23 Analyzed: 10/25/23 5.11 0.0250 5.00 ND 102 54-133 3.12

ND

ND

ND

ND

ND

100

102

101

102

102

97.2

5.00

5.00

5.00

10.0

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8.00

5.02

5.08

5.05

10.2

15.2

7.77

0.0250

0.0250

0.0250

0.0500

0.0250

61-133

61-130

63-131

63-131

63-131

70-130

3.29

3.20

3.23

3.09

3.14

20

20

20

20

20



Ethylbenzene Toluene

o-Xylene

p,m-Xylene

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

Devon Energy - Carlsbad 6488 7 Rivers Hwy	Project Name: Project Number:	North Brushy Draw Federal 35 #012H 01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	10/27/2023 12:13:56PM

Artesia NM, 88210		Project Manage		hley Gioveng	go			10/	27/2023 12:13:56PI
	Non	halogenated	Organics l	oy EPA 80	15D - GI	RO			Analyst: RKS
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2342092-BLK1)							Prepared: 1	0/19/23 Ana	lyzed: 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 Ana	lyzed: 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:	E310132-1	14	Prepared: 1	0/19/23 Ana	lyzed: 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 Anal	lyzed: 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			



Devon Energy - Carlsbad	Project Name:	North Brushy Draw Federal 35 #012H 01058-0007	Reported:
6488 7 Rivers Hwy Artesia NM, 88210	Project Number: Project Manager:	Ashley Giovengo	10/27/2023 12:13:56PM

Artesia Nivi, 88210		Project Manager	i. As	mey Gloveng	30				10/2//2023 12.13.30F
	Nonha	logenated Or	ganics by l	EPA 8015I) - DRO	/ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2342115-BLK1)							Prepared: 1	0/20/23 A	Analyzed: 10/20/23
iesel Range Organics (C10-C28)	ND	25.0							
il Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	53.0		50.0		106	50-200			
CS (2342115-BS1)							Prepared: 1	0/20/23 A	Analyzed: 10/20/23
iesel Range Organics (C10-C28)	276	25.0	250		110	38-132			
urrogate: n-Nonane	55.2		50.0		110	50-200			
latrix Spike (2342115-MS1)				Source:	E310181-0	06	Prepared: 1	0/20/23 A	Analyzed: 10/20/23
iesel Range Organics (C10-C28)	286	25.0	250	ND	115	38-132			
urrogate: n-Nonane	56.4		50.0		113	50-200			
Matrix Spike Dup (2342115-MSD1)				Source:	E310181-0	06	Prepared: 1	0/20/23 A	Analyzed: 10/20/23
iesel Range Organics (C10-C28)	275	25.0	250	ND	110	38-132	4.17	20	



Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210		Project Name: Project Number: Project Manager		North Brushy Draw Federal 35 #012H 01058-0007 Ashley Giovengo					Reported: 10/27/2023 12:13:56PM
		Anions	by EPA	300.0/9056 <i>A</i>	1				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

	Result	Limit	Level	Result	Rec	Limits	RPD	Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2342102-BLK1)							Prepared: 1	0/20/23	Analyzed: 10/24/23
Chloride	ND	20.0							
LCS (2342102-BS1)							Prepared: 1	0/20/23	Analyzed: 10/24/23
Chloride	251	20.0	250		100	90-110			
Matrix Spike (2342102-MS1)				Source:	E310132-	06	Prepared: 1	0/20/23	Analyzed: 10/24/23
Chloride	254	20.0	250	ND	102	80-120			
Matrix Spike Dup (2342102-MSD1)				Source:	E310132-	06	Prepared: 1	0/20/23	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.



Definitions and Notes

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

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



roject Ir	nformation						Chain o	of Custod	У											Pa	ge _
Client: D	Devon				П	Bill To				- 1	ab Us	se On	lv		Τ_		TA	T.		EPA P	rogi
Project:	North Brushy			#012H	At	tention: Jim Raley			Lab W	O#		Job I	Numbe	er	1D	2D			andard CV		SE
	Manager: Ashl					ddress: 5315 Buena Vista	a Dr		E3K	316	7	DIC	1.826	7ax		\Box			x		T
	3122 Nationa					ty, State, Zip: Carlsbad N	<u>IM, 88220</u>							Metho					11. 11.		R
	te, Zip: Carlsb		38220		<u> Ph</u>	none: (575)689-7597			þ												
	<u>575-988-0055</u>				<u> Err</u>	nail: jim.raley@dvn.com	<u> </u>		ORC ORC		1							L		State	
	giovengo@ens	<u>solum.co</u>	<u>m</u>		4)KO/	5	ا _چ ا	ا و ا	0 0		Σ		*	NI	м со	UT AZ	T
Report d	ue by:				$\bot\bot$				δ/r	8	, 82	8	, že		1			, <u> </u>	×		L
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID				Lab Number	TPH GRO/DRO/ORO by	8015 BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		верос		ЭОС			Remarks	
	10/18/2023	Soil	1 Jar			SS08 - 0'									x						
9:15	10/18/2023	Soil	1 Jar			SS08 - 1'		2							x						
9:55	10/18/2023	Soil	1 Jar			SS08 - 2'		3							x						
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ddition	al Instructions	· Pleas	e CC: chi	urton@ensolu		agiovengo@ensolum.co	m iim rai	lav@dvn	5077.6	hamile	2200		<u> </u>								
						nat tampering with or intentionally						Sample	s requiring	g thermal p						they are samp	oled (
				be grounds for legal		Sampled by:	<u></u>					receive	d packed i	n ice at an					°C on subse	equent days.	
w	ed by: (Signature)	<u> </u>		19-23 7:	2 4	Refereed by: (Signature)	an	Date J9.	2.5 Tim	3/	0_	Rece	eived o	n ice:	_	ab Us / N	se Onl	ly			
MIL	1 ()	anh		1923 8	<u> </u>	Received by: (Signature) Received by: (Signature)	850	<i>LO 19:1</i> Date	25 7	83c		<u>T1</u>			<u>T2</u>			<u>T3</u>	3	· · · · · · · · · · · · · · · · · · ·	
. po	Kw ne	850	10	19.23 2	1100	Couth	au	10.20.2		3:10			Temp		<u></u>						
male Matr	rix: S - Soil, Sd - Solid	d. Sø - Sludø	A Anuer	oue O - Other				Container	Tunna	alace		أحابيات	lactic :	10 - 2mt	sor al-		. VOA	i.			



e client expense. The report for the analysis of the above

Page 103 of 107

Printed: 10/20/2023 10:59:29AM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Devon Energy - Carlsbad	Date Received:	10/20/23	08:10		Work Order ID:	E310187
Phone:	(505) 382-1211	Date Logged In:	10/19/23	16:59		Logged In By:	Caitlin Mars
Email:	ashley.giovengo@wescominc.com	Due Date:	10/26/23	17:00 (4 day TAT)			
Chain of	Custody (COC)						
	ne sample ID match the COC?		Yes				
	ne number of samples per sampling site location mat	ch the COC	Yes				
3. Were s	amples dropped off by client or carrier?		Yes	Carrier: C	Courier		
4. Was the	e COC complete, i.e., signatures, dates/times, reques	ted analyses?	Yes	currer <u>c</u>	<u> </u>		
	Il samples received within holding time?	•	Yes				
	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion.			ı		Comments	s/Resolution
Sample T	<u>urn Around Time (TAT)</u>						
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C							
	sample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was the	e sample(s) received intact, i.e., not broken?		Yes				
10. Were	custody/security seals present?		No				
11. If yes	were custody/security seals intact?		NA				
	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes				
Sample C		temperature. 1	<u> </u>				
	queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers.)	Yes				
	appropriate volume/weight or number of sample contain		Yes				
Field Lat		iers conecteur	103				
•	field sample labels filled out with the minimum info	rmation:					
	ample ID?	imation.	Yes				
	ate/Time Collected?		Yes				
C	ollectors name?		No				
Sample P	reservation_						
21. Does	the COC or field labels indicate the samples were pr	eserved?	No				
22. Are sa	ample(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved m	etals?	No				
Multipha	se Sample Matrix						
26. Does	the sample have more than one phase, i.e., multiphase	se?	No				
27. If yes	, does the COC specify which phase(s) is to be analy	zed?	NA				
Subcontr	act Laboratory						
	amples required to get sent to a subcontract laborator	ry?	No				
	subcontract laboratory specified by the client and if	•	NA	Subcontract Lab	» NIA		
		30 WIIO:	1421	Subcontract Lat), INA		
Client Ir	<u>astruction</u>						

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

Project Information
Clients Deven

Chain of	Custody
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	Pag			of_	 Received by OCD:
EP/	A Pr	ogra	m	1	0
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ema	rks	Q. e			11/2/2023 8:41:33 AM
1	4	Sn.	14 (1)		AM

				A STATE OF THE STA																						
Client: [Bill To					Lab Use Only									TAT EPA Pro						
	North Brushy			#012H		Attention: Jim Raley					Lab	WO	#		Job Number				LD :	2D 3D 3		Sta	indard	CWA	SDWA	
	Manager: Ash	A STATE OF THE PARTY OF THE PAR				Address: 5315 Buena Vista Dr					E	310	18		T000-82010								X			
	3122 Nation								NM, 88220	0					Analysis and Method								-		RCRA	
100	te, Zip: Carlsh		38220			Phone	: (575)68	39-7597				by	3													
	575-988-0055				_	Email:	jim.raley	@dvn.co	om			ORO						-						State		
	giovengo@er	solum.co	m		_						1	RO/	17	0	0	0.0			Σ	- 1	¥		NM CO	UT AZ	TX	
Report d	ue by:											0/0	y 80.	826	601	e 30					100		×			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID						Lab Number		TPH GRO/DRO/ORO by 8015	ВТЕХ Бу 802:	VOC by 8260	Metals 6010	Chloride 300.0			верос	-	GDOC			Remarks		
9:05	10/18/2023	Soil	1 Jar				508-0' 9			1									x				Chan	rod :	Samo	0
9:15	10/18/2023	Soil	1 Jar			55	508 - 1 ′€	1808	3-21	2									x				nam	1	per	Î
9:55	10/18/2023	Soil	1 Jar			55	508 - 2' - €	3508	C-2.25	3									x				Clean	nt r	egrue	S
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Addition	al Instruction	s: Pleas	e CC: cbu	rton@enso	lum.c	om, agio	ovengo@	ensolum.	.com, jim.ra	aley@dvn	.com	n, cha	milt	on@	enso	lum.	com									1
	oler), attest to the of collection is co							or intention	nally mislabellin	g the sample	locatio	on,			100								on ice the day		oled or	
	d by Signature		Date	19-23 Tin	ne 7:2	Re	relyed by: (lan	Pate 19.	22	Time	3/2	2	Rece	lived	on ice		100	b Us	e On	ly	7 1	1		
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telinquishe A	ed by: (Signature	1850	Date	Tin	24	0	Qived by:			Date 10. 20	23	Time	10		AVG	Tem	np °C	4								
	rix: S - Soil, Sd - Sol						000			A PORTON AND ADDRESS OF THE PARTY OF THE PAR	AVG Temp °C_4 Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA															
	oles are discarde				unless c	ther arra	ngements a	re made.	Hazardous sa														for the an	alysis of th	e above	
amples is	applicable only t	o those san	nples receiv	ed by the labo	oratory	with this	COC. The lla	bility of the	e laboratory is	s limited to	the ar	mount	paid	for or	the r	eport			Constitution of the last							

envirotech envirotech



APPENDIX F

Email Correspondence

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 PMAttachments: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,



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

District II

811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720 District III 1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 282054

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