



June 26, 2024

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

Re: Closure Request
Steel Guitar 35 26 Federal Com #451H
Incident Number nAPP2325449295
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* to document assessment, excavation, and soil sampling activities at the Steel Guitar 35 26 Federal Com #451H (Site). The Site is located in Unit C, Section 26, Township 26 South, Range 29 East, in Eddy County, New Mexico (32.0186081°, -103.9568921°) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM).

The purpose of the Site assessment and soil sampling activities was to assess for the presence or absence of impacts to soil following a release of produced water. Based on field observations, field screening activities, and soil sampling laboratory analytical results, WPX is submitting this *Closure Request*, describing Site assessment, excavation, and delineation activities that have occurred and requesting no further action for Incident Number nAPP2325449295.

BACKGROUND

On September 9, 2023, a produced water pipeline developed a leak, which resulted in the release of approximately 21 barrels (bbls) of produced water onto the caliche pad; 0 bbls of produced water were recovered. WPX reported the release to the New Mexico Oil Conservation Division (NMOCD) via email on September 11, 2023, and submitted an initial C-141 application (Form C-141) on September 11, 2023. The release was subsequently assigned Incident Number nAPP2325449295.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

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

The closest permitted groundwater well with depth to groundwater data is New Mexico Office of the State Engineer (NMOSE) well, C 04653 POD6, located approximately 0.41 miles southwest of the Site. The well had a reported depth to groundwater greater than 765 feet below ground surface (bgs) and a

total depth of 1,098 feet bgs. There are no regional or Site-specific hydrogeological conditions, such as shallow surface water, karst features, wetlands, or vegetation that suggest the Site is conducive to shallower groundwater conditions. All wells used for depth to groundwater determination are presented on Figure 1. The referenced well record is included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is an intermittent dry wash, located approximately 111 feet north of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (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): 100 mg/kg
- Chloride: 600 mg/kg

SITE ASSESSMENT ACTIVITIES

On September 11, 2023, Ensolum personnel visited the Site to evaluate the release extent based on information provided on the Form C-141 and visual observations. The release extent was mapped utilizing a handheld Global Positioning System (GPS) unit and is depicted on Figure 2. Photographic documentation was completed during the Site visit and a photographic log is included as Appendix B.

DELINEATION AND EXCAVATION SOIL SAMPLING ACTIVITIES

On September 14, 2023, Ensolum personnel were onsite to conduct lateral and vertical delineation sampling activities and to oversee a surface scrape of the contaminated area. Four delineation soil samples (SS01 through SS04) were collected from around the release extent at ground surface to assess the lateral extent of the release. Three potholes were advanced via backhoe within the release extent to assess the vertical extent of the release area. Potholes (PH01 through PH03) were advanced to a depth of 2 feet bgs. Discrete delineation soil samples were collected from each borehole at depths ranging from ground surface to 2 feet bgs. Soil samples were field screened for chloride and TPH utilizing Mohr's titration method and a PetroFLAG® Soil Analyzer System, respectively. Field screening results and observations for the boreholes were logged on lithologic/soil sampling logs, which are included in Appendix C. The delineation soil sample locations are depicted on Figure 2.

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

Between June 5 and June 6, 2024, impacted soil was excavated from the on-pad spill area as indicated by visible staining, field screening activities, and laboratory analytical results from delineation soil samples. Excavation activities were performed using a tracked excavator, a loader, and transport vehicles. The excavation occurred on the well pad and south of the well heads. To direct excavation activities, Ensolum personnel screened soil for TPH and chloride utilizing the same methods as previously described.

Following the removal of impacted soil, Ensolum personnel collected 5-point composite soil samples representing at most 200 square feet from the floor of the excavation. The 5-point composite samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. Composite soil samples (FS01 through FS40) were collected from the floor of the excavation at depths ranging from 1-foot to 1.5 feet bgs. Confirmation sidewall soil samples (SW01 through SW03) were collected at depths ranging from ground surface to 1-foot bgs. The excavation soil samples were collected, handled, and analyzed following the same procedures as described above. The excavation extent and excavation soil sample locations are presented on Figure 3.

The final excavation extent measured approximately 6,924 square feet. A total of approximately 320 cubic yards of impacted soil was removed during the excavation activities. The impacted soil was transported and properly disposed of at the R360 Red Bluff Facility in Texas.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for lateral delineation soil samples (SS01 through SS04), collected at ground surface, indicated all COC concentrations were compliant with Site Closure Criteria and with the strictest Closure Criteria per NMOCD Table I. Laboratory analytical results for the vertical delineation soil samples collected from pothole PH01 indicated all COC concentrations were in compliance with the Site Closure Criteria and with the strictest criteria at a depth of 2 feet bgs. Laboratory analytical results for the vertical delineation soil samples collected from potholes PH02 and PH03 indicated all COC concentrations were in compliance with the Site Closure Criteria and with the strictest criteria at a depth of 1-foot bgs.

Laboratory analytical results for excavation floor soil samples (FS01 through FS40) indicated all COC concentrations were in compliance with the strictest Closure Criteria at depths ranging from 1-foot to 1.5 feet bgs. Laboratory analytical results for confirmation side wall samples (SW01 through SW03) were all in compliance with the strictest Closure Criteria at depths ranging from ground surface to 1-foot bgs. Laboratory analytical results are summarized in Tables 1 through 3 and the complete laboratory analytical reports are included as Appendix D.

CLOSURE REQUEST

The release extent has been laterally defined to the strictest Closure Criteria per NMOCD Table I by delineation soil samples (SS01 through SS04), collected at ground surface, and vertically by potholes (PH01 through PH03), collected at depths ranging from 1-foot bgs in potholes PH02 and PH03 and 2 feet bgs in pothole PH01. Excavation of the impacted soil on-pad was completed, and excavation floor samples (FS01 through FS40), collected at depths ranging from 1-foot to 1.5 feet bgs, and confirmation sidewall soil samples (SW01 through SW03), collected from ground surface to 1-foot bgs, were all in compliance with the strictest Closure Criteria and with the reclamation requirement.

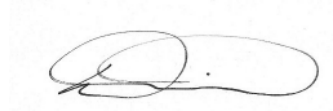
Based on the remedial actions completed to date and a depth to groundwater greater than 100 feet bgs, WPX believes these remedial actions are protective of human health, the environment, and groundwater and as such, respectfully requests closure for Incident Number nAPP2325449295.

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

Sincerely,
Ensolum, LLC



Ashley Giovengo
Senior Scientist



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

Appendices:

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



FIGURES

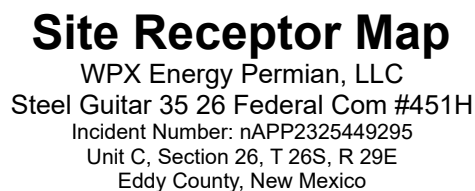
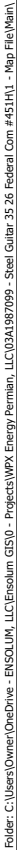
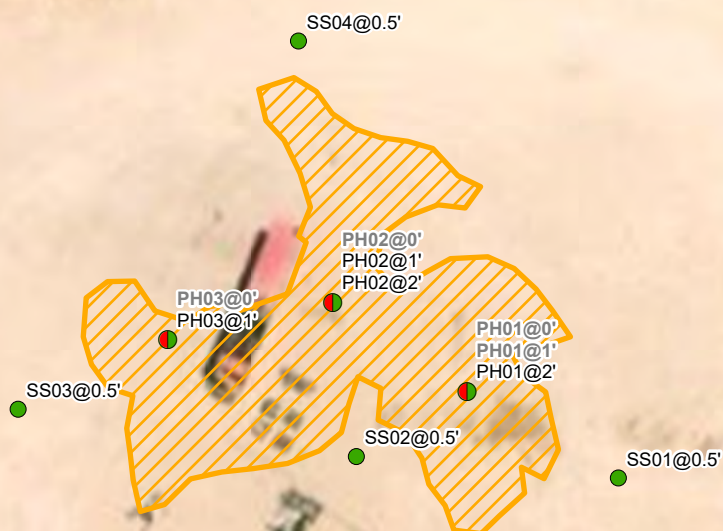


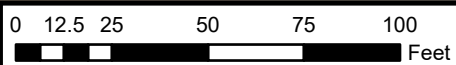
FIGURE 1

Legend

- Delineation Soil Sample in Compliance with Closure Criteria
- Delineation Soil Sample with Concentrations Previously Exceeding Closure Criteria
- Release Extent



Notes:
 Sample ID @ Depth Below Ground Surface.
 Samples in bold indicate sample exceeded applicable closure criteria.
 Grey text indicate soil sample was removed during excavation activities.



Sources: Environmental Systems Research Institute (ESRI)

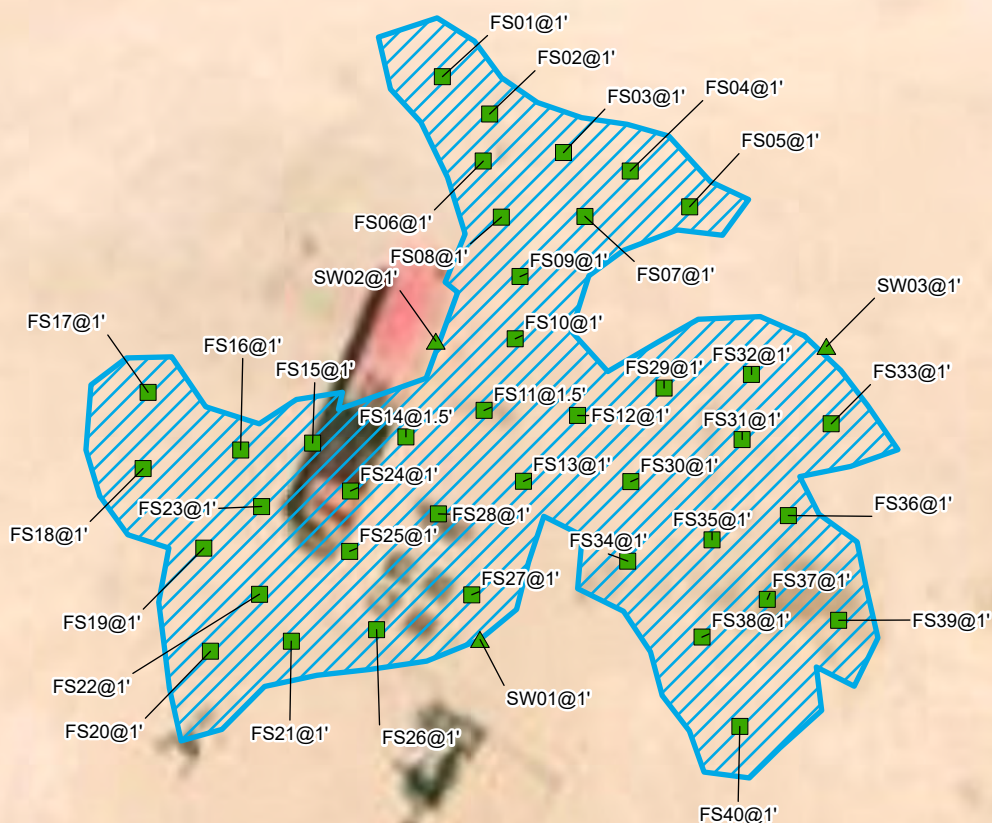
**Delineation Soil Sample Locations**

WPX Energy Permian, LLC
 Steel Guitar 35 26 Federal Com #451H
 Incident Number: nAPP2325449295
 Unit C, Section 26, T 26S, R 29E
 Eddy County, New Mexico

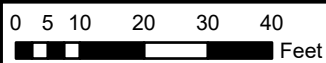
FIGURE
2

Legend

- Confirmation Floor
Sample in Compliance
with Closure Criteria
- ▲ Confirmation Sidewall
Sample in Compliance
with Closure Criteria
- ▨ Excavation Extent



Notes:
Sample ID @ Depth Below Ground Surface.



Sources: Environmental Systems Research Institute (ESRI)



Confirmation Soil Sample Locations

WPX Energy Permian, LLC
Steel Guitar 35 26 Federal Com #451H
Incident Number: nAPP2325449295
Unit C, Section 26, T 26S, R 29E
Eddy County, New Mexico

FIGURE

3



TABLES



TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
 Steel Guitar 35 26 Federal Com #451H
 WPX Energy Permian, LLC
 Eddy County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
Delineation Soil Samples										
SS01	9/15/2023	0.5'	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	196
SS02	9/15/2023	0.5'	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	578
SS03	9/15/2023	0.5'	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	283
SS04	9/15/2023	0.5'	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	134
PH01	9/14/2023	0'	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	12,000
PH01	9/14/2023	1'	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	634
PH01	9/14/2023	2'	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	109
PH02	9/14/2023	0'	<0.0250	0.6677	23.5	18,400	3,470	18,423.50	21,893.50	2,390
PH02	9/14/2023	1'	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	283
PH02	9/14/2023	2'	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	21
PH03	9/14/2023	0'	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	5,630
PH03	9/14/2023	1'	<0.0250	<0.0250	<20.0	<25.0	<50.0	<25.0	<50.0	109

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Grey text represents samples that have been excavated

<: Laboratory Analytical result is less than reporting limit

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

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

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes



TABLE 2
SOIL SAMPLE ANALYTICAL RESULTS
 Steel Guitar 35 26 Federal Com #451H
 WPX Energy Permian, LLC
 Eddy County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
Excavation Floor Soil Samples										
FS01	6/5/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	140
FS02	6/5/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	37.1
FS03	6/5/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	219
FS04	6/5/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	99.0
FS05	6/5/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	101
FS06	6/5/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	72.7
FS07	6/5/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	123
FS08	6/5/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	126
FS09	6/5/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	106
FS10	6/5/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	268
FS11	6/6/2024	1.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	53.9
FS12	6/6/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	75.7
FS13	6/6/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	174
FS14	6/6/2024	1.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	222
FS15	6/6/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	257
FS16	6/6/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	356
FS17	6/6/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	77.3
FS18	6/6/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	69.1
FS19	6/5/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	64.1
FS20	6/5/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	367
FS21	6/5/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	240
FS22	6/5/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	142
FS23	6/6/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	358
FS24	6/6/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	98.2
FS25	6/6/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	227
FS26	6/5/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	221
FS27	6/5/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	66.1
FS28	6/6/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	292
FS29	6/6/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	130
FS30	6/6/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	337



TABLE 2 - CONT'D
SOIL SAMPLE ANALYTICAL RESULTS
 Steel Guitar 35 26 Federal Com #451H
 WPX Energy Permian, LLC
 Eddy County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
Excavation Floor Soil Samples										
FS31	6/6/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	108
FS32	6/6/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	118
FS33	6/6/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	97.0
FS34	6/6/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	75.8
FS35	6/6/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	106
FS36	6/6/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	179
FS37	6/6/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	151
FS38	6/6/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	174
FS39	6/6/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	127
FS40	6/6/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	107

Notes:

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Grey text represents samples that have been excavated

<": Laboratory Analytical result is less than reporting limit

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

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

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes



TABLE 3
SOIL SAMPLE ANALYTICAL RESULTS
 Steel Guitar 35 26 Federal Com #451H
 WPX Energy Permian, LLC
 Eddy County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
Sidewall Soil Samples										
SW01	6/6/2024	0-1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	188
SW02	6/6/2024	0-1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	153
SW03	6/6/2024	0-1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	104

Notes:

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

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes



APPENDIX A

Well Log and Record



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD-5 (TW-2)		WELL TAG ID NO. n/a		OSE FILE NO(S). C-4653		
	WELL OWNER NAME(S) Stephens & Johnson Operating Co.				PHONE (OPTIONAL)		
	WELL OWNER MAILING ADDRESS PO BOX 2249				CITY Wichita Falls	STATE TX	ZIP 7307-2249
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 1	SECONDS 14.42	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND	
	LONGITUDE 103	57	52.42	W	* DATUM REQUIRED: WGS 84		
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE SE SE SE Sec. 22 T26S R29E, NMPM							
2. DRILLING & CASING INFORMATION	LICENSE NO. 1249		NAME OF LICENSED DRILLER Jackie D. Atkins			NAME OF WELL DRILLING COMPANY Atkins Engineering Associates, Inc.	
	DRILLING STARTED 7/26/2022		DRILLING ENDED 7/26/2022		DEPTH OF COMPLETED WELL (FT) Soil Boring	BORE HOLE DEPTH (FT) ±72	DEPTH WATER FIRST ENCOUNTERED (FT) ±67
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input type="checkbox"/> DRY HOLE <input checked="" type="checkbox"/> SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT) 67.7	DATE STATIC MEASURED 7/27/2022
	DRILLING FLUID: <input type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:						
	DRILLING METHOD: <input type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input checked="" type="checkbox"/> OTHER - SPECIFY: Hollow Stem Auger					CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>	
	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)
	0 72		±6.5	Soil Boring	--	--	--
3. ANNULAR MATERIAL	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL		AMOUNT (cubic feet)	METHOD OF PLACEMENT

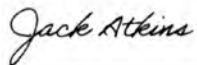
FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 01/28/2022)

FILE NO. C-4653	POD NO. 5	TRN NO. 729202
LOCATION 26S.29E.22 444	WELL TAG ID NO.	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	FROM	TO				
	0	25	25	Sand, medium/fine grained, poorly graded, with clay, Dark Brown	Y ✓ N	
	25	45	20	Sand, medium/fine grained, poorly graded, with gravel (0.25"), Tan Brown	Y ✓ N	
	45	64	19	Sand, medium/fine grained, poorly graded, Tan Brown	Y ✓ N	
	64	70	6	Clay, Medium Plastic, with sand and caliche, gypsum Reddish Brown, moist	✓ Y N	
	70	72	62	Sand, medium/fine grained, poorly graded, with gravel (0.25-.75"), Tan Brown	✓ Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:					TOTAL ESTIMATED WELL YIELD (gpm):	
<input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY:					0.00	

5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.
	MISCELLANEOUS INFORMATION: Secured soil boring with auger and hydrated bentonite, to seal the boring to the ground surface. Pending approval from New Mexico State Oil and Gas Division on completing as a monitoring well.	
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Shane Eldridge, Cameron Pruitt, Lucas Middleton	

6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:	
	 Jackie D. Atkins	8/18/2022
	SIGNATURE OF DRILLER / PRINT SIGNEE NAME	DATE

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 01/28/2022)	
FILE NO. <u>C-4653</u>	POD NO. <u>5</u>	TRN NO. <u>729202</u>	
LOCATION <u>26S-29E.22 444</u>	WELL TAG ID NO.		PAGE 2 OF 2

OSE 017 AUG 18 2022 09:53



APPENDIX B

Photographic Log



Photographic Log

WPX Energy Permian, LLC
Steel Guitar 35 26 Federal Com #451H
nAPP2325449295

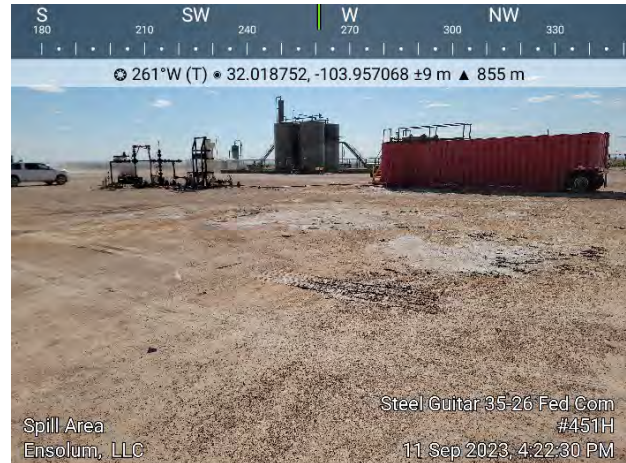


Photograph 1

Date: 09/11/2023

Description: Lease sign

View: Northwest



Photograph 2

Date: 09/11/2023

Description: Release area

View: West

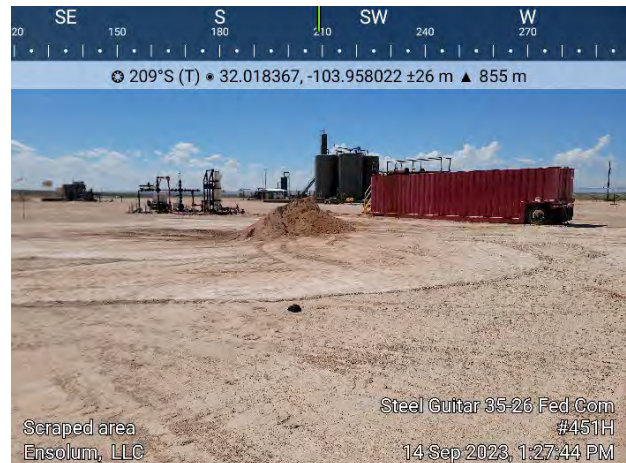


Photograph 3

Date: 09/14/2023

Description: Vertical delineation

View: Southeast



Photograph 4

Date: 09/14/2023

Description: Surface scrape

View: Southwest



Photographic Log

WPX Energy Permian, LLC
Steel Guitar 35 26 Federal Com #451H
nAPP2325449295



Photograph 5
Description: Delineation
View: Northwest

Date: 09/15/2023



Photograph 6
Description: Excavation
View: Southeast

Date: 06/5/2024



Photograph 7
Description: Excavation
View: Southeast

Date: 06/6/2024




Photograph 8
Description: Excavation
View: Southeast


Date: 06/6/2024




APPENDIX C

Lithologic Soil Sampling Logs

								Sample Name: PH01		Date: 9/14/23	
								Site Name: Steel Guitar 35-26 Fed Com #451H			
								Incident Number: nAPP2325449295			
								Job Number: 03A1987099			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: Cole Burton		Method: Backhoe	
Coordinates: 32.01880, -103.95721								Hole Diameter: 3'		Total Depth: 3'	
Comments: Field screening conducted by the MOHR titration method chloride. Chloride test performed with 1:1 dilution factor of soil to distilled water. No correction factors included.											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
M			Y	PH01	0	0	CCHE	Caliche, Stained, Light Brown Sand, Red, Poorly graded, Non-cohesive, No odor			
M	700		N	PH01	1	1	SP-SM				
D	200		N	PH01	2	2	SP-SM				
D	150		N	PH01	3	3	SP-SM				
Total Depth 3'											

								Sample Name: PH02		Date: 9/14/23	
								Site Name: Steel Guitar 35-26 Fed Com #451H			
								Incident Number: nAPP2325449295			
								Job Number: 03A1987099			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: Cole Burton		Method: Backhoe	
Coordinates: 32.01887, -103.95732								Hole Diameter: 3'		Total Depth: 2'	
Comments: Field screening conducted by the MOHR titration method chloride. Chloride test performed with 1:1 dilution factor of soil to distilled water. No correction factors included.											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions			
M			Y	PH02	0	0	CCHE	Caliche, Stained, Light Brown			
M	500		N	PH02	1	1	SP-SM				
D	150		N	PH02	2	2	SP-SM				
Total Depth 2'											

								Sample Name: PH03		Date: 9/14/23			
								Site Name: Steel Guitar 35-26 Fed Com #451H					
								Incident Number: nAPP2325449295					
								Job Number: 03A1987099					
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: Cole Burton		Method: Backhoe			
Coordinates: 32.01884, -103.95746								Hole Diameter: 3'		Total Depth: 2'			
Comments: Field screening conducted by the MOHR titration method chloride. Chloride test performed with 1:1 dilution factor of soil to distilled water. No correction factors included.													
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions					
M			Y	PH03	0	0	CCHE	Caliche, Stained, Light Brown Sand, Red, Poorly graded, Non-cohesive, No odor					
M	200		N	PH03	1	1	SP-SM						
D	100		N	PH03	2	2	SP-SM						
Total Depth 2'													



APPENDIX D

Laboratory Analytical Reports & Chain-of-Custody Documentation

Report to:

Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Ensolum, LLC

Project Name: Steel Guitar 35-26 Fed Com
#451H

Work Order: E309126

Job Number: 01058-0007

Received: 9/18/2023

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/22/23

5796 U.S. Hwy 64
Farmington, NM 87401

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



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: 9/22/23



Ashley Giovengo
3122 National Parks Hwy
Carlsbad, NM 88220

Project Name: Steel Guitar 35-26 Fed Com #451H
Workorder: E309126
Date Received: 9/18/2023 8:15:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/18/2023 8:15:00AM, under the Project Name: Steel Guitar 35-26 Fed Com #451H.

The analytical test results summarized in this report with the Project Name: Steel Guitar 35-26 Fed Com #451H 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 regarding 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
ljjarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Ensolum, LLC	Project Name:	Steel Guitar 35-26 Fed Com #451H	Reported:
3122 National Parks Hwy	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	09/22/23 11:13

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
PH01 - 0'	E309126-01A	Soil	09/14/23	09/18/23	Glass Jar, 2 oz.
PH01 - 1'	E309126-02A	Soil	09/14/23	09/18/23	Glass Jar, 2 oz.
PH01 - 2'	E309126-03A	Soil	09/14/23	09/18/23	Glass Jar, 2 oz.
PH02 - 0'	E309126-04A	Soil	09/14/23	09/18/23	Glass Jar, 2 oz.
PH02 - 1'	E309126-05A	Soil	09/14/23	09/18/23	Glass Jar, 2 oz.
PH02 - 2'	E309126-06A	Soil	09/14/23	09/18/23	Glass Jar, 2 oz.
PH03 - 0'	E309126-07A	Soil	09/14/23	09/18/23	Glass Jar, 2 oz.
PH03 - 1'	E309126-08A	Soil	09/14/23	09/18/23	Glass Jar, 2 oz.



Sample Data

Ensolum, LLC 3122 National Parks Hwy Carlsbad NM, 88220	Project Name: Steel Guitar 35-26 Fed Com #451H Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 9/22/2023 11:13:55AM
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PH01 - 0'

E309126-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2338003	
Benzene	ND	0.0250	1	09/18/23	09/19/23	
Ethylbenzene	ND	0.0250	1	09/18/23	09/19/23	
Toluene	ND	0.0250	1	09/18/23	09/19/23	
o-Xylene	ND	0.0250	1	09/18/23	09/19/23	
p,m-Xylene	ND	0.0500	1	09/18/23	09/19/23	
Total Xylenes	ND	0.0250	1	09/18/23	09/19/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.0 %	70-130		09/18/23	09/19/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2338003	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/18/23	09/19/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	86.7 %	70-130		09/18/23	09/19/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2338059	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/20/23	09/20/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/20/23	09/20/23	
<i>Surrogate: n-Nonane</i>						
	83.3 %	50-200		09/20/23	09/20/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2338053	
Chloride	12000	400	20	09/20/23	09/21/23	



Sample Data

Ensolum, LLC 3122 National Parks Hwy Carlsbad NM, 88220	Project Name: Steel Guitar 35-26 Fed Com #451H Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 9/22/2023 11:13:55AM
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PH01 - 1'

E309126-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2338003	
Benzene	ND	0.0250	1	09/18/23	09/19/23	
Ethylbenzene	ND	0.0250	1	09/18/23	09/19/23	
Toluene	ND	0.0250	1	09/18/23	09/19/23	
o-Xylene	ND	0.0250	1	09/18/23	09/19/23	
p,m-Xylene	ND	0.0500	1	09/18/23	09/19/23	
Total Xylenes	ND	0.0250	1	09/18/23	09/19/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.5 %	70-130		09/18/23	09/19/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2338003	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/18/23	09/19/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	87.3 %	70-130		09/18/23	09/19/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2338059	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/20/23	09/20/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/20/23	09/20/23	
<i>Surrogate: n-Nonane</i>						
	82.2 %	50-200		09/20/23	09/20/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2338053	
Chloride	634	20.0	1	09/20/23	09/21/23	



Sample Data

Ensolum, LLC 3122 National Parks Hwy Carlsbad NM, 88220	Project Name: Steel Guitar 35-26 Fed Com #451H Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 9/22/2023 11:13:55AM
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PH01 - 2'

E309126-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2338003	
Benzene	ND	0.0250	1	09/18/23	09/19/23	
Ethylbenzene	ND	0.0250	1	09/18/23	09/19/23	
Toluene	ND	0.0250	1	09/18/23	09/19/23	
o-Xylene	ND	0.0250	1	09/18/23	09/19/23	
p,m-Xylene	ND	0.0500	1	09/18/23	09/19/23	
Total Xylenes	ND	0.0250	1	09/18/23	09/19/23	
Surrogate: 4-Bromochlorobenzene-PID	93.9 %	70-130		09/18/23	09/19/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2338003	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/18/23	09/19/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	87.7 %	70-130		09/18/23	09/19/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2338059	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/20/23	09/20/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/20/23	09/20/23	
Surrogate: n-Nonane	82.5 %	50-200		09/20/23	09/20/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2338053	
Chloride	109	20.0	1	09/20/23	09/21/23	



Sample Data

Ensolum, LLC 3122 National Parks Hwy Carlsbad NM, 88220	Project Name: Steel Guitar 35-26 Fed Com #451H Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 9/22/2023 11:13:55AM
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PH02 - 0'

E309126-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2338003	
Benzene	ND	0.0250	1	09/18/23	09/19/23	
Ethylbenzene	0.0337	0.0250	1	09/18/23	09/19/23	
Toluene	ND	0.0250	1	09/18/23	09/19/23	
o-Xylene	0.163	0.0250	1	09/18/23	09/19/23	
p,m-Xylene	0.154	0.0500	1	09/18/23	09/19/23	
Total Xylenes	0.317	0.0250	1	09/18/23	09/19/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	249 %	70-130		09/18/23	09/19/23	S5
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2338003	
Gasoline Range Organics (C6-C10)	23.5	20.0	1	09/18/23	09/19/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	168 %	70-130		09/18/23	09/19/23	S5
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2338059	
Diesel Range Organics (C10-C28)	18400	125	5	09/20/23	09/20/23	
Oil Range Organics (C28-C36)	3470	250	5	09/20/23	09/20/23	
<i>Surrogate: n-Nonane</i>						
	84.0 %	50-200		09/20/23	09/20/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2338053	
Chloride	2390	40.0	2	09/20/23	09/21/23	



Sample Data

Ensolum, LLC 3122 National Parks Hwy Carlsbad NM, 88220	Project Name: Steel Guitar 35-26 Fed Com #451H Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 9/22/2023 11:13:55AM
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PH02 - 1'

E309126-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2338003	
Benzene	ND	0.0250	1	09/18/23	09/19/23	
Ethylbenzene	ND	0.0250	1	09/18/23	09/19/23	
Toluene	ND	0.0250	1	09/18/23	09/19/23	
o-Xylene	ND	0.0250	1	09/18/23	09/19/23	
p,m-Xylene	ND	0.0500	1	09/18/23	09/19/23	
Total Xylenes	ND	0.0250	1	09/18/23	09/19/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.1 %	70-130		09/18/23	09/19/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2338003	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/18/23	09/19/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	85.2 %	70-130		09/18/23	09/19/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2338059	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/20/23	09/20/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/20/23	09/20/23	
<i>Surrogate: n-Nonane</i>						
	84.9 %	50-200		09/20/23	09/20/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2338053	
Chloride	283	20.0	1	09/20/23	09/21/23	



Sample Data

Ensolum, LLC 3122 National Parks Hwy Carlsbad NM, 88220	Project Name: Steel Guitar 35-26 Fed Com #451H Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 9/22/2023 11:13:55AM
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PH02 - 2'

E309126-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2338003	
Benzene	ND	0.0250	1	09/18/23	09/19/23	
Ethylbenzene	ND	0.0250	1	09/18/23	09/19/23	
Toluene	ND	0.0250	1	09/18/23	09/19/23	
o-Xylene	ND	0.0250	1	09/18/23	09/19/23	
p,m-Xylene	ND	0.0500	1	09/18/23	09/19/23	
Total Xylenes	ND	0.0250	1	09/18/23	09/19/23	
Surrogate: 4-Bromochlorobenzene-PID	97.0 %	70-130		09/18/23	09/19/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2338003	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/18/23	09/19/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	86.4 %	70-130		09/18/23	09/19/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2338059	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/20/23	09/20/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/20/23	09/20/23	
Surrogate: n-Nonane	81.9 %	50-200		09/20/23	09/20/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2338053	
Chloride	21.0	20.0	1	09/20/23	09/21/23	



Sample Data

Ensolum, LLC 3122 National Parks Hwy Carlsbad NM, 88220	Project Name: Steel Guitar 35-26 Fed Com #451H Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 9/22/2023 11:13:55AM
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PH03 - 0'

E309126-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2338003	
Benzene	ND	0.0250	1	09/18/23	09/19/23	
Ethylbenzene	ND	0.0250	1	09/18/23	09/19/23	
Toluene	ND	0.0250	1	09/18/23	09/19/23	
o-Xylene	ND	0.0250	1	09/18/23	09/19/23	
p,m-Xylene	ND	0.0500	1	09/18/23	09/19/23	
Total Xylenes	ND	0.0250	1	09/18/23	09/19/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.7 %	70-130		09/18/23	09/19/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2338003	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/18/23	09/19/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	88.1 %	70-130		09/18/23	09/19/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2338059	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/20/23	09/20/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/20/23	09/20/23	
<i>Surrogate: n-Nonane</i>						
	81.8 %	50-200		09/20/23	09/20/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2338053	
Chloride	5630	40.0	2	09/20/23	09/21/23	



Sample Data

Ensolum, LLC
3122 National Parks Hwy
Carlsbad NM, 88220

Project Name: Steel Guitar 35-26 Fed Com #451H
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
9/22/2023 11:13:55AM

PH03 - 1'**E309126-08**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2338003	
Benzene	ND	0.0250	1	09/18/23	09/19/23	
Ethylbenzene	ND	0.0250	1	09/18/23	09/19/23	
Toluene	ND	0.0250	1	09/18/23	09/19/23	
o-Xylene	ND	0.0250	1	09/18/23	09/19/23	
p,m-Xylene	ND	0.0500	1	09/18/23	09/19/23	
Total Xylenes	ND	0.0250	1	09/18/23	09/19/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.7 %	70-130		09/18/23	09/19/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2338003	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/18/23	09/19/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	86.9 %	70-130		09/18/23	09/19/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2338059	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/20/23	09/20/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/20/23	09/20/23	
<i>Surrogate: n-Nonane</i>						
	80.6 %	50-200		09/20/23	09/20/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2338053	
Chloride	109	20.0	1	09/20/23	09/21/23	



QC Summary Data

Ensolum, LLC 3122 National Parks Hwy Carlsbad NM, 88220	Project Name: Steel Guitar 35-26 Fed Com #451H Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 9/22/2023 11:13:55AM
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Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2338003-BLK1)

Prepared: 09/18/23 Analyzed: 09/19/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.43		8.00		92.8	70-130			

LCS (2338003-BS1)

Prepared: 09/18/23 Analyzed: 09/19/23

Benzene	4.26	0.0250	5.00		85.3	70-130			
Ethylbenzene	4.15	0.0250	5.00		83.0	70-130			
Toluene	4.30	0.0250	5.00		86.0	70-130			
o-Xylene	4.30	0.0250	5.00		86.0	70-130			
p,m-Xylene	8.60	0.0500	10.0		86.0	70-130			
Total Xylenes	12.9	0.0250	15.0		86.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.54		8.00		94.2	70-130			

Matrix Spike (2338003-MS1)

Source: E309120-01

Prepared: 09/18/23 Analyzed: 09/19/23

Benzene	4.78	0.0250	5.00	ND	95.5	54-133			
Ethylbenzene	4.66	0.0250	5.00	ND	93.1	61-133			
Toluene	4.82	0.0250	5.00	ND	96.4	61-130			
o-Xylene	4.78	0.0250	5.00	ND	95.7	63-131			
p,m-Xylene	9.63	0.0500	10.0	ND	96.3	63-131			
Total Xylenes	14.4	0.0250	15.0	ND	96.1	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.55		8.00		94.4	70-130			

Matrix Spike Dup (2338003-MSD1)

Source: E309120-01

Prepared: 09/18/23 Analyzed: 09/19/23

Benzene	4.42	0.0250	5.00	ND	88.5	54-133	7.67	20	
Ethylbenzene	4.31	0.0250	5.00	ND	86.2	61-133	7.74	20	
Toluene	4.46	0.0250	5.00	ND	89.3	61-130	7.66	20	
o-Xylene	4.44	0.0250	5.00	ND	88.9	63-131	7.41	20	
p,m-Xylene	8.92	0.0500	10.0	ND	89.2	63-131	7.59	20	
Total Xylenes	13.4	0.0250	15.0	ND	89.1	63-131	7.53	20	
Surrogate: 4-Bromochlorobenzene-PID	7.59		8.00		94.9	70-130			



QC Summary Data

Ensolum, LLC	Project Name:	Steel Guitar 35-26 Fed Com #451H	Reported:
3122 National Parks Hwy	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	9/22/2023 11:13:55AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2338003-BLK1) Prepared: 09/18/23 Analyzed: 09/19/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.93		8.00		86.6	70-130			

LCS (2338003-BS2) Prepared: 09/18/23 Analyzed: 09/19/23

Gasoline Range Organics (C6-C10)	45.8	20.0	50.0		91.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.06		8.00		88.2	70-130			

Matrix Spike (2338003-MS2) Source: E309120-01 Prepared: 09/18/23 Analyzed: 09/19/23

Gasoline Range Organics (C6-C10)	45.0	20.0	50.0	ND	90.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.94		8.00		86.8	70-130			

Matrix Spike Dup (2338003-MSD2) Source: E309120-01 Prepared: 09/18/23 Analyzed: 09/19/23

Gasoline Range Organics (C6-C10)	44.9	20.0	50.0	ND	89.9	70-130	0.108	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.00		8.00		87.5	70-130			



QC Summary Data

Ensolum, LLC	Project Name:	Steel Guitar 35-26 Fed Com #451H	Reported:
3122 National Parks Hwy	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	9/22/2023 11:13:55AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2338059-BLK1)					Prepared: 09/20/23 Analyzed: 09/20/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	42.4		50.0		84.7	50-200			

LCS (2338059-BS1)					Prepared: 09/20/23 Analyzed: 09/20/23				
Diesel Range Organics (C10-C28)	248	25.0	250		99.1	38-132			
Surrogate: n-Nonane	43.3		50.0		86.5	50-200			

Matrix Spike (2338059-MS1)					Source: E309126-01		Prepared: 09/20/23 Analyzed: 09/20/23		
Diesel Range Organics (C10-C28)	244	25.0	250	ND	97.6	38-132			
Surrogate: n-Nonane	38.7		50.0		77.4	50-200			

Matrix Spike Dup (2338059-MSD1)					Source: E309126-01		Prepared: 09/20/23 Analyzed: 09/20/23		
Diesel Range Organics (C10-C28)	242	25.0	250	ND	96.7	38-132	0.927	20	
Surrogate: n-Nonane	41.3		50.0		82.6	50-200			



QC Summary Data

Ensolum, LLC	Project Name:	Steel Guitar 35-26 Fed Com #451H	Reported:
3122 National Parks Hwy	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	9/22/2023 11:13:55AM

Anions by EPA 300.0/9056A

Analyst: RAS

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

Blank (2338053-BLK1)					Prepared: 09/20/23 Analyzed: 09/21/23				
Chloride	ND	20.0							
LCS (2338053-BS1)					Prepared: 09/20/23 Analyzed: 09/21/23				
Chloride	261	20.0	250		104	90-110			
Matrix Spike (2338053-MS1)					Source: E309120-01		Prepared: 09/20/23 Analyzed: 09/21/23		
Chloride	292	20.0	250	30.3	105	80-120			
Matrix Spike Dup (2338053-MSD1)					Source: E309120-01		Prepared: 09/20/23 Analyzed: 09/21/23		
Chloride	284	20.0	250	30.3	102	80-120	2.83	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:	Steel Guitar 35-26 Fed Com #451H	
3122 National Parks Hwy	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	09/22/23 11:13

- S5 Surrogate spike recovery exceeded acceptance limits due to interfering target and/or non-target analytes.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

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

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

Client: Ensolum, LLC.		Bill To		Lab Use Only		TAT		EPA Program					
Project: Steel Guitar 35-26 Fed Com #451H		Attention: Jim Raley		Lab WO# E309126		Job Number 01058-0007		1D	2D	3D	Standard	CWA	SDWA
Project Manager: Ashley Giovengo		Address: 5315 Buena Vista Dr									x		
Address: 3122 National Parks Hwy		City, State, Zip: Carlsbad NM, 88220											RCRA
City, State, Zip: Carlsbad NM, 88220		Phone: (575)689-7597											
Phone: 575-988-0055		Email: jim.raley@dmn.com											
Email: agiovengo@ensolum.com													
Report due by:													

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	TX	Remarks
9:51	9/14/2023	Soil	1 Jar	PH01 - 0'	1						X		
9:54	9/14/2023	Soil	1 Jar	PH01 - 1'	2						X		
9:56	9/14/2023	Soil	1 Jar	PH01 - 2'	3						X		
10:06	9/14/2023	Soil	1 Jar	PH02 - 0'	4						X		
10:07	9/14/2023	Soil	1 Jar	PH02 - 1'	5						X		
10:08	9/14/2023	Soil	1 Jar	PH02 - 2'	6						X		
10:29	9/14/2023	Soil	1 Jar	PH03 - 0'	7						X		
10:30	9/14/2023	Soil	1 Jar	PH03 - 1'	8						X		

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@dmn.com, chamilton@ensolum.com

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

Sampled by:

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

Relinquished by: (Signature) <i>[Signature]</i>	Date 9-15-23	Time 7:08	Received by: (Signature) <i>[Signature]</i>	Date 9-15-23	Time 0708	Lab Use Only Received on ice: <input checked="" type="radio"/> Y / <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <i>[Signature]</i>	Date 9-15-23	Time 1745	Received by: (Signature) <i>[Signature]</i>	Date 9-15-23	Time 1745	
Relinquished by: (Signature) <i>[Signature]</i>	Date 9-15-23	Time 2400	Received by: (Signature) <i>[Signature]</i>	Date 9-18-23	Time 8:15	
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other						Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

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



envirotech

Envirotech Analytical Laboratory

Printed: 9/18/2023 10:12:35AM

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:	09/18/23 08:15	Work Order ID:	E309126
Phone:	(575) 988-0055	Date Logged In:	09/15/23 15:53	Logged In By:	Caitlin Mars
Email:	a.giovengo@ensolum.com	Due Date:	09/22/23 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:

Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Ensolum, LLC

Project Name: Steel Guitar 35-26 Fed Com
#451H

Work Order: E309130

Job Number: 01058-0007

Received: 9/18/2023

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/22/23

5796 U.S. Hwy 64
Farmington, NM 87401

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



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: 9/22/23



Ashley Giovengo
3122 National Parks Hwy
Carlsbad, NM 88220

Project Name: Steel Guitar 35-26 Fed Com #451H
Workorder: E309130
Date Received: 9/18/2023 8:15:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/18/2023 8:15:00AM, under the Project Name: Steel Guitar 35-26 Fed Com #451H.

The analytical test results summarized in this report with the Project Name: Steel Guitar 35-26 Fed Com #451H 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 regarding 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
ljjarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Ensolum, LLC	Project Name:	Steel Guitar 35-26 Fed Com #451H	Reported:
3122 National Parks Hwy	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	09/22/23 12:10

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS01 - 0.5'	E309130-01A	Soil	09/15/23	09/18/23	Glass Jar, 2 oz.
SS02 - 0.5'	E309130-02A	Soil	09/15/23	09/18/23	Glass Jar, 2 oz.
SS03 - 0.5'	E309130-03A	Soil	09/15/23	09/18/23	Glass Jar, 2 oz.
SS04 - 0.5'	E309130-04A	Soil	09/15/23	09/18/23	Glass Jar, 2 oz.



Sample Data

Ensolum, LLC 3122 National Parks Hwy Carlsbad NM, 88220	Project Name: Steel Guitar 35-26 Fed Com #451H Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 9/22/2023 12:10:01PM
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SS01 - 0.5'

E309130-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS		Batch: 2338016	
Benzene	ND	0.0250	1	09/18/23	09/19/23	
Ethylbenzene	ND	0.0250	1	09/18/23	09/19/23	
Toluene	ND	0.0250	1	09/18/23	09/19/23	
o-Xylene	ND	0.0250	1	09/18/23	09/19/23	
p,m-Xylene	ND	0.0500	1	09/18/23	09/19/23	
Total Xylenes	ND	0.0250	1	09/18/23	09/19/23	
Surrogate: Bromofluorobenzene	120 %	70-130		09/18/23	09/19/23	
Surrogate: 1,2-Dichloroethane-d4	93.9 %	70-130		09/18/23	09/19/23	
Surrogate: Toluene-d8	110 %	70-130		09/18/23	09/19/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2338016	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/18/23	09/19/23	
Surrogate: Bromofluorobenzene	120 %	70-130		09/18/23	09/19/23	
Surrogate: 1,2-Dichloroethane-d4	93.9 %	70-130		09/18/23	09/19/23	
Surrogate: Toluene-d8	110 %	70-130		09/18/23	09/19/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2338019	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/18/23	09/20/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/18/23	09/20/23	
Surrogate: n-Nonane	95.5 %	50-200		09/18/23	09/20/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2338054	
Chloride	196	20.0	1	09/20/23	09/21/23	



Sample Data

Ensolum, LLC
3122 National Parks Hwy
Carlsbad NM, 88220

Project Name: Steel Guitar 35-26 Fed Com #451H
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
9/22/2023 12:10:01PM

SS02 - 0.5'

E309130-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2338016
Benzene	ND	0.0250	1	09/18/23	09/19/23	
Ethylbenzene	ND	0.0250	1	09/18/23	09/19/23	
Toluene	ND	0.0250	1	09/18/23	09/19/23	
o-Xylene	ND	0.0250	1	09/18/23	09/19/23	
p,m-Xylene	ND	0.0500	1	09/18/23	09/19/23	
Total Xylenes	ND	0.0250	1	09/18/23	09/19/23	
Surrogate: Bromofluorobenzene		120 %	70-130	09/18/23	09/19/23	
Surrogate: 1,2-Dichloroethane-d4		95.4 %	70-130	09/18/23	09/19/23	
Surrogate: Toluene-d8		110 %	70-130	09/18/23	09/19/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2338016
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/18/23	09/19/23	
Surrogate: Bromofluorobenzene		120 %	70-130	09/18/23	09/19/23	
Surrogate: 1,2-Dichloroethane-d4		95.4 %	70-130	09/18/23	09/19/23	
Surrogate: Toluene-d8		110 %	70-130	09/18/23	09/19/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2338019
Diesel Range Organics (C10-C28)	ND	25.0	1	09/18/23	09/20/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/18/23	09/20/23	
Surrogate: n-Nonane		88.3 %	50-200	09/18/23	09/20/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2338054
Chloride	578	20.0	1	09/20/23	09/21/23	



Sample Data

Ensolum, LLC
3122 National Parks Hwy
Carlsbad NM, 88220

Project Name: Steel Guitar 35-26 Fed Com #451H
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
9/22/2023 12:10:01PM

SS03 - 0.5'

E309130-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2338016
Benzene	ND	0.0250	1	09/18/23	09/19/23	
Ethylbenzene	ND	0.0250	1	09/18/23	09/19/23	
Toluene	ND	0.0250	1	09/18/23	09/19/23	
o-Xylene	ND	0.0250	1	09/18/23	09/19/23	
p,m-Xylene	ND	0.0500	1	09/18/23	09/19/23	
Total Xylenes	ND	0.0250	1	09/18/23	09/19/23	
Surrogate: Bromofluorobenzene		121 %	70-130	09/18/23	09/19/23	
Surrogate: 1,2-Dichloroethane-d4		99.1 %	70-130	09/18/23	09/19/23	
Surrogate: Toluene-d8		109 %	70-130	09/18/23	09/19/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2338016
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/18/23	09/19/23	
Surrogate: Bromofluorobenzene		121 %	70-130	09/18/23	09/19/23	
Surrogate: 1,2-Dichloroethane-d4		99.1 %	70-130	09/18/23	09/19/23	
Surrogate: Toluene-d8		109 %	70-130	09/18/23	09/19/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2338019
Diesel Range Organics (C10-C28)	ND	25.0	1	09/18/23	09/20/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/18/23	09/20/23	
Surrogate: n-Nonane		97.1 %	50-200	09/18/23	09/20/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2338054
Chloride	283	20.0	1	09/20/23	09/21/23	



Sample Data

Ensolum, LLC
3122 National Parks Hwy
Carlsbad NM, 88220

Project Name: Steel Guitar 35-26 Fed Com #451H
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
9/22/2023 12:10:01PM

SS04 - 0.5'

E309130-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2338016
Benzene	ND	0.0250	1	09/18/23	09/19/23	
Ethylbenzene	ND	0.0250	1	09/18/23	09/19/23	
Toluene	ND	0.0250	1	09/18/23	09/19/23	
o-Xylene	ND	0.0250	1	09/18/23	09/19/23	
p,m-Xylene	ND	0.0500	1	09/18/23	09/19/23	
Total Xylenes	ND	0.0250	1	09/18/23	09/19/23	
Surrogate: Bromofluorobenzene		124 %	70-130	09/18/23	09/19/23	
Surrogate: 1,2-Dichloroethane-d4		96.1 %	70-130	09/18/23	09/19/23	
Surrogate: Toluene-d8		111 %	70-130	09/18/23	09/19/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2338016
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/18/23	09/19/23	
Surrogate: Bromofluorobenzene		124 %	70-130	09/18/23	09/19/23	
Surrogate: 1,2-Dichloroethane-d4		96.1 %	70-130	09/18/23	09/19/23	
Surrogate: Toluene-d8		111 %	70-130	09/18/23	09/19/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2338019
Diesel Range Organics (C10-C28)	ND	25.0	1	09/18/23	09/20/23	
Oil Range Organics (C28-C36)	ND	50.0	1	09/18/23	09/20/23	
Surrogate: n-Nonane		97.7 %	50-200	09/18/23	09/20/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2338054
Chloride	134	20.0	1	09/20/23	09/21/23	



QC Summary Data

Ensolum, LLC	Project Name:	Steel Guitar 35-26 Fed Com #451H	Reported:
3122 National Parks Hwy	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	9/22/2023 12:10:01PM

Volatile Organic Compounds by EPA 8260B

Analyst: IY

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

Blank (2338016-BLK1)

Prepared: 09/18/23 Analyzed: 09/18/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.625		0.500		125	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.463		0.500		92.5	70-130			
Surrogate: Toluene-d8	0.558		0.500		112	70-130			

LCS (2338016-BS1)

Prepared: 09/18/23 Analyzed: 09/18/23

Benzene	2.39	0.0250	2.50		95.7	70-130			
Ethylbenzene	2.51	0.0250	2.50		100	70-130			
Toluene	2.49	0.0250	2.50		99.6	70-130			
o-Xylene	2.69	0.0250	2.50		108	70-130			
p,m-Xylene	5.39	0.0500	5.00		108	70-130			
Total Xylenes	8.09	0.0250	7.50		108	70-130			
Surrogate: Bromofluorobenzene	0.627		0.500		125	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.469		0.500		93.7	70-130			
Surrogate: Toluene-d8	0.551		0.500		110	70-130			

Matrix Spike (2338016-MS1)

Source: E309127-04 Prepared: 09/18/23 Analyzed: 09/18/23

Benzene	2.40	0.0250	2.50	ND	95.9	48-131			
Ethylbenzene	2.53	0.0250	2.50	ND	101	45-135			
Toluene	2.52	0.0250	2.50	ND	101	48-130			
o-Xylene	2.72	0.0250	2.50	ND	109	43-135			
p,m-Xylene	5.41	0.0500	5.00	ND	108	43-135			
Total Xylenes	8.13	0.0250	7.50	ND	108	43-135			
Surrogate: Bromofluorobenzene	0.621		0.500		124	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.498		0.500		99.6	70-130			
Surrogate: Toluene-d8	0.549		0.500		110	70-130			

Matrix Spike Dup (2338016-MSD1)

Source: E309127-04 Prepared: 09/18/23 Analyzed: 09/18/23

Benzene	2.43	0.0250	2.50	ND	97.3	48-131	1.39	23	
Ethylbenzene	2.57	0.0250	2.50	ND	103	45-135	1.80	27	
Toluene	2.56	0.0250	2.50	ND	102	48-130	1.57	24	
o-Xylene	2.76	0.0250	2.50	ND	110	43-135	1.63	27	
p,m-Xylene	5.50	0.0500	5.00	ND	110	43-135	1.60	27	
Total Xylenes	8.26	0.0250	7.50	ND	110	43-135	1.61	27	
Surrogate: Bromofluorobenzene	0.629		0.500		126	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.492		0.500		98.4	70-130			
Surrogate: Toluene-d8	0.552		0.500		110	70-130			



QC Summary Data

Ensolum, LLC	Project Name:	Steel Guitar 35-26 Fed Com #451H	Reported:
3122 National Parks Hwy	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	9/22/2023 12:10:01PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2338016-BLK1) Prepared: 09/18/23 Analyzed: 09/18/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.625		0.500		125	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.463		0.500		92.5	70-130			
Surrogate: Toluene-d8	0.558		0.500		112	70-130			

LCS (2338016-BS2) Prepared: 09/18/23 Analyzed: 09/18/23

Gasoline Range Organics (C6-C10)	57.3	20.0	50.0		115	70-130			
Surrogate: Bromofluorobenzene	0.616		0.500		123	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.480		0.500		95.9	70-130			
Surrogate: Toluene-d8	0.563		0.500		113	70-130			

Matrix Spike (2338016-MS2) Source: E309127-04 Prepared: 09/18/23 Analyzed: 09/18/23

Gasoline Range Organics (C6-C10)	56.7	20.0	50.0	ND	113	70-130			
Surrogate: Bromofluorobenzene	0.615		0.500		123	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.493		0.500		98.5	70-130			
Surrogate: Toluene-d8	0.560		0.500		112	70-130			

Matrix Spike Dup (2338016-MSD2) Source: E309127-04 Prepared: 09/18/23 Analyzed: 09/18/23

Gasoline Range Organics (C6-C10)	57.7	20.0	50.0	ND	115	70-130	1.82	20	
Surrogate: Bromofluorobenzene	0.625		0.500		125	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.482		0.500		96.4	70-130			
Surrogate: Toluene-d8	0.560		0.500		112	70-130			



QC Summary Data

Ensolum, LLC	Project Name:	Steel Guitar 35-26 Fed Com #451H	Reported:
3122 National Parks Hwy	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	9/22/2023 12:10:01PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2338019-BLK1) Prepared: 09/18/23 Analyzed: 09/19/23

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	47.5		50.0		95.0	50-200			

LCS (2338019-BS1) Prepared: 09/18/23 Analyzed: 09/19/23

Diesel Range Organics (C10-C28)	235	25.0	250		94.1	38-132			
Surrogate: n-Nonane	47.8		50.0		95.6	50-200			

Matrix Spike (2338019-MS1) Source: E309109-08 Prepared: 09/18/23 Analyzed: 09/19/23

Diesel Range Organics (C10-C28)	245	25.0	250	ND	98.0	38-132			
Surrogate: n-Nonane	48.0		50.0		96.0	50-200			

Matrix Spike Dup (2338019-MSD1) Source: E309109-08 Prepared: 09/18/23 Analyzed: 09/19/23

Diesel Range Organics (C10-C28)	250	25.0	250	ND	100	38-132	1.95	20	
Surrogate: n-Nonane	47.0		50.0		94.0	50-200			



QC Summary Data

Ensolum, LLC	Project Name:	Steel Guitar 35-26 Fed Com #451H	Reported:
3122 National Parks Hwy	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	9/22/2023 12:10:01PM

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2338054-BLK1)					Prepared: 09/20/23 Analyzed: 09/21/23				
Chloride	ND	20.0							
LCS (2338054-BS1)					Prepared: 09/20/23 Analyzed: 09/22/23				
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2338054-MS1)					Source: E309128-01		Prepared: 09/20/23 Analyzed: 09/21/23		
Chloride	292	200	250	ND	117	80-120			
Matrix Spike Dup (2338054-MSD1)					Source: E309128-01		Prepared: 09/20/23 Analyzed: 09/21/23		
Chloride	294	200	250	ND	118	80-120	0.625	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:	Steel Guitar 35-26 Fed Com #451H	
3122 National Parks Hwy	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Giovengo	09/22/23 12:10

- 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.



Envirotech Analytical Laboratory

Printed: 9/18/2023 10:18:11AM

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:	09/18/23 08:15	Work Order ID:	E309130
Phone:	(575) 988-0055	Date Logged In:	09/15/23 16:04	Logged In By:	Caitlin Mars
Email:	a.giovengo@ensolum.com	Due Date:	09/22/23 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:

Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name: Steel Guitar 35 26 Federal Com
#451H

Work Order: E406064

Job Number: 01058-0007

Received: 6/7/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/14/24

5796 U.S. Hwy 64
Farmington, NM 87401

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



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: 6/14/24



Ashley Giovengo
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Steel Guitar 35 26 Federal Com #451H
Workorder: E406064
Date Received: 6/7/2024 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/7/2024 8:00:00AM, under the Project Name: Steel Guitar 35 26 Federal Com #451H.

The analytical test results summarized in this report with the Project Name: Steel Guitar 35 26 Federal Com #451H 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 regarding 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

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljjarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Devon Energy - Carlsbad	Project Name:	Steel Guitar 35 26 Federal Com #451H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	06/14/24 12:23

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS01-1'	E406064-01A	Soil	06/05/24	06/07/24	Glass Jar, 2 oz.
FS02-1'	E406064-02A	Soil	06/05/24	06/07/24	Glass Jar, 2 oz.
FS03-1'	E406064-03A	Soil	06/05/24	06/07/24	Glass Jar, 2 oz.
FS04-1'	E406064-04A	Soil	06/05/24	06/07/24	Glass Jar, 2 oz.
FS05-1'	E406064-05A	Soil	06/05/24	06/07/24	Glass Jar, 2 oz.
FS06-1'	E406064-06A	Soil	06/05/24	06/07/24	Glass Jar, 2 oz.
FS07-1'	E406064-07A	Soil	06/05/24	06/07/24	Glass Jar, 2 oz.
FS08-1'	E406064-08A	Soil	06/05/24	06/07/24	Glass Jar, 2 oz.
FS09-1'	E406064-09A	Soil	06/05/24	06/07/24	Glass Jar, 2 oz.
FS10-1'	E406064-10A	Soil	06/05/24	06/07/24	Glass Jar, 2 oz.
FS19-1'	E406064-11A	Soil	06/05/24	06/07/24	Glass Jar, 2 oz.
FS20-1'	E406064-12A	Soil	06/05/24	06/07/24	Glass Jar, 2 oz.
FS21-1'	E406064-13A	Soil	06/05/24	06/07/24	Glass Jar, 2 oz.
FS22-1'	E406064-14A	Soil	06/05/24	06/07/24	Glass Jar, 2 oz.
FS26-1'	E406064-15A	Soil	06/05/24	06/07/24	Glass Jar, 2 oz.
FS27-1'	E406064-16A	Soil	06/05/24	06/07/24	Glass Jar, 2 oz.

Sample Data

Devon Energy - Carlsbad	Project Name:	Steel Guitar 35 26 Federal Com #451H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	6/14/2024 12:23:00PM

FS01-1'
E406064-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2423138	
Benzene	ND	0.0250	1	06/07/24	06/13/24	
Ethylbenzene	ND	0.0250	1	06/07/24	06/13/24	
Toluene	ND	0.0250	1	06/07/24	06/13/24	
o-Xylene	ND	0.0250	1	06/07/24	06/13/24	
p,m-Xylene	ND	0.0500	1	06/07/24	06/13/24	
Total Xylenes	ND	0.0250	1	06/07/24	06/13/24	
Surrogate: 4-Bromochlorobenzene-PID	92.1 %	70-130		06/07/24	06/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2423138	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/07/24	06/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	111 %	70-130		06/07/24	06/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2424009	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/24	06/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/24	06/12/24	
Surrogate: n-Nonane	114 %	50-200		06/10/24	06/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2424017	
Chloride	140	20.0	1	06/10/24	06/11/24	

Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Steel Guitar 35 26 Federal Com #451H
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
6/14/2024 12:23:00PM

FS02-1'

E406064-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2423138	
Benzene	ND	0.0250	1	06/07/24	06/13/24	
Ethylbenzene	ND	0.0250	1	06/07/24	06/13/24	
Toluene	ND	0.0250	1	06/07/24	06/13/24	
o-Xylene	ND	0.0250	1	06/07/24	06/13/24	
p,m-Xylene	ND	0.0500	1	06/07/24	06/13/24	
Total Xylenes	ND	0.0250	1	06/07/24	06/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.7 %	70-130		06/07/24	06/13/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2423138	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/07/24	06/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	112 %	70-130		06/07/24	06/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2424009	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/24	06/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/24	06/12/24	
<i>Surrogate: n-Nonane</i>						
	106 %	50-200		06/10/24	06/12/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2424017	
Chloride	37.1	20.0	1	06/10/24	06/10/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Steel Guitar 35 26 Federal Com #451H Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 6/14/2024 12:23:00PM
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FS03-1'

E406064-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2423138	
Benzene	ND	0.0250	1	06/07/24	06/13/24	
Ethylbenzene	ND	0.0250	1	06/07/24	06/13/24	
Toluene	ND	0.0250	1	06/07/24	06/13/24	
o-Xylene	ND	0.0250	1	06/07/24	06/13/24	
p,m-Xylene	ND	0.0500	1	06/07/24	06/13/24	
Total Xylenes	ND	0.0250	1	06/07/24	06/13/24	
Surrogate: 4-Bromochlorobenzene-PID	91.6 %	70-130		06/07/24	06/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2423138	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/07/24	06/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	110 %	70-130		06/07/24	06/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2424009	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/24	06/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/24	06/12/24	
Surrogate: n-Nonane	107 %	50-200		06/10/24	06/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2424017	
Chloride	219	20.0	1	06/10/24	06/11/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Steel Guitar 35 26 Federal Com #451H Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 6/14/2024 12:23:00PM
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FS04-1'
E406064-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2423138	
Benzene	ND	0.0250	1	06/07/24	06/13/24	
Ethylbenzene	ND	0.0250	1	06/07/24	06/13/24	
Toluene	ND	0.0250	1	06/07/24	06/13/24	
o-Xylene	ND	0.0250	1	06/07/24	06/13/24	
p,m-Xylene	ND	0.0500	1	06/07/24	06/13/24	
Total Xylenes	ND	0.0250	1	06/07/24	06/13/24	
Surrogate: 4-Bromochlorobenzene-PID	91.5 %	70-130		06/07/24	06/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2423138	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/07/24	06/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	111 %	70-130		06/07/24	06/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2424009	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/24	06/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/24	06/12/24	
Surrogate: n-Nonane	103 %	50-200		06/10/24	06/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2424017	
Chloride	99.0	20.0	1	06/10/24	06/11/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Steel Guitar 35 26 Federal Com #451H Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 6/14/2024 12:23:00PM
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FS05-1'

E406064-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2423138	
Benzene	ND	0.0250	1	06/07/24	06/13/24	
Ethylbenzene	ND	0.0250	1	06/07/24	06/13/24	
Toluene	ND	0.0250	1	06/07/24	06/13/24	
o-Xylene	ND	0.0250	1	06/07/24	06/13/24	
p,m-Xylene	ND	0.0500	1	06/07/24	06/13/24	
Total Xylenes	ND	0.0250	1	06/07/24	06/13/24	
Surrogate: 4-Bromochlorobenzene-PID	91.0 %	70-130		06/07/24	06/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2423138	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/07/24	06/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	112 %	70-130		06/07/24	06/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2424009	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/24	06/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/24	06/12/24	
Surrogate: n-Nonane	111 %	50-200		06/10/24	06/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2424017	
Chloride	101	20.0	1	06/10/24	06/11/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Steel Guitar 35 26 Federal Com #451H Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 6/14/2024 12:23:00PM
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FS06-1'

E406064-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2423138	
Benzene	ND	0.0250	1	06/07/24	06/13/24	
Ethylbenzene	ND	0.0250	1	06/07/24	06/13/24	
Toluene	ND	0.0250	1	06/07/24	06/13/24	
o-Xylene	ND	0.0250	1	06/07/24	06/13/24	
p,m-Xylene	ND	0.0500	1	06/07/24	06/13/24	
Total Xylenes	ND	0.0250	1	06/07/24	06/13/24	
Surrogate: 4-Bromochlorobenzene-PID	91.1 %	70-130		06/07/24	06/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2423138	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/07/24	06/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	111 %	70-130		06/07/24	06/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2424009	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/24	06/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/24	06/12/24	
Surrogate: n-Nonane	112 %	50-200		06/10/24	06/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2424017	
Chloride	72.7	20.0	1	06/10/24	06/11/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Steel Guitar 35 26 Federal Com #451H Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 6/14/2024 12:23:00PM
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FS07-1'

E406064-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2423138	
Benzene	ND	0.0250	1	06/07/24	06/13/24	
Ethylbenzene	ND	0.0250	1	06/07/24	06/13/24	
Toluene	ND	0.0250	1	06/07/24	06/13/24	
o-Xylene	ND	0.0250	1	06/07/24	06/13/24	
p,m-Xylene	ND	0.0500	1	06/07/24	06/13/24	
Total Xylenes	ND	0.0250	1	06/07/24	06/13/24	
Surrogate: 4-Bromochlorobenzene-PID	90.6 %	70-130		06/07/24	06/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2423138	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/07/24	06/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	110 %	70-130		06/07/24	06/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2424009	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/24	06/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/24	06/12/24	
Surrogate: n-Nonane	112 %	50-200		06/10/24	06/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2424017	
Chloride	123	20.0	1	06/10/24	06/11/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Steel Guitar 35 26 Federal Com #451H Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 6/14/2024 12:23:00PM
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FS08-1'
E406064-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2423138	
Benzene	ND	0.0250	1	06/07/24	06/13/24	
Ethylbenzene	ND	0.0250	1	06/07/24	06/13/24	
Toluene	ND	0.0250	1	06/07/24	06/13/24	
o-Xylene	ND	0.0250	1	06/07/24	06/13/24	
p,m-Xylene	ND	0.0500	1	06/07/24	06/13/24	
Total Xylenes	ND	0.0250	1	06/07/24	06/13/24	
Surrogate: 4-Bromochlorobenzene-PID	90.4 %	70-130		06/07/24	06/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2423138	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/07/24	06/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	111 %	70-130		06/07/24	06/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2424009	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/24	06/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/24	06/12/24	
Surrogate: n-Nonane	110 %	50-200		06/10/24	06/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2424017	
Chloride	126	20.0	1	06/10/24	06/11/24	

Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Steel Guitar 35 26 Federal Com #451H Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 6/14/2024 12:23:00PM
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FS09-1'
E406064-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2423138	
Benzene	ND	0.0250	1	06/07/24	06/13/24	
Ethylbenzene	ND	0.0250	1	06/07/24	06/13/24	
Toluene	ND	0.0250	1	06/07/24	06/13/24	
o-Xylene	ND	0.0250	1	06/07/24	06/13/24	
p,m-Xylene	ND	0.0500	1	06/07/24	06/13/24	
Total Xylenes	ND	0.0250	1	06/07/24	06/13/24	
Surrogate: 4-Bromochlorobenzene-PID	91.3 %	70-130		06/07/24	06/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2423138	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/07/24	06/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	111 %	70-130		06/07/24	06/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2424009	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/24	06/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/24	06/12/24	
Surrogate: n-Nonane	112 %	50-200		06/10/24	06/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2424017	
Chloride	106	20.0	1	06/10/24	06/11/24	

Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Steel Guitar 35 26 Federal Com #451H Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 6/14/2024 12:23:00PM
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FS10-1'

E406064-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2423138	
Benzene	ND	0.0250	1	06/07/24	06/13/24	
Ethylbenzene	ND	0.0250	1	06/07/24	06/13/24	
Toluene	ND	0.0250	1	06/07/24	06/13/24	
o-Xylene	ND	0.0250	1	06/07/24	06/13/24	
p,m-Xylene	ND	0.0500	1	06/07/24	06/13/24	
Total Xylenes	ND	0.0250	1	06/07/24	06/13/24	
Surrogate: 4-Bromochlorobenzene-PID	90.6 %	70-130		06/07/24	06/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2423138	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/07/24	06/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	111 %	70-130		06/07/24	06/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2424009	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/24	06/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/24	06/12/24	
Surrogate: n-Nonane	108 %	50-200		06/10/24	06/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2424017	
Chloride	268	20.0	1	06/10/24	06/11/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Steel Guitar 35 26 Federal Com #451H Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 6/14/2024 12:23:00PM
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FS19-1'

E406064-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2423138	
Benzene	ND	0.0250	1	06/07/24	06/13/24	
Ethylbenzene	ND	0.0250	1	06/07/24	06/13/24	
Toluene	ND	0.0250	1	06/07/24	06/13/24	
o-Xylene	ND	0.0250	1	06/07/24	06/13/24	
p,m-Xylene	ND	0.0500	1	06/07/24	06/13/24	
Total Xylenes	ND	0.0250	1	06/07/24	06/13/24	
Surrogate: 4-Bromochlorobenzene-PID	91.0 %	70-130		06/07/24	06/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2423138	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/07/24	06/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	111 %	70-130		06/07/24	06/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2424009	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/24	06/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/24	06/12/24	
Surrogate: n-Nonane	110 %	50-200		06/10/24	06/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2424017	
Chloride	64.1	20.0	1	06/10/24	06/11/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Steel Guitar 35 26 Federal Com #451H Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 6/14/2024 12:23:00PM
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FS20-1'
E406064-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2423138	
Benzene	ND	0.0250	1	06/07/24	06/13/24	
Ethylbenzene	ND	0.0250	1	06/07/24	06/13/24	
Toluene	ND	0.0250	1	06/07/24	06/13/24	
o-Xylene	ND	0.0250	1	06/07/24	06/13/24	
p,m-Xylene	ND	0.0500	1	06/07/24	06/13/24	
Total Xylenes	ND	0.0250	1	06/07/24	06/13/24	
Surrogate: 4-Bromochlorobenzene-PID	90.6 %	70-130		06/07/24	06/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2423138	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/07/24	06/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	110 %	70-130		06/07/24	06/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2424009	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/24	06/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/24	06/12/24	
Surrogate: n-Nonane	107 %	50-200		06/10/24	06/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2424017	
Chloride	376	20.0	1	06/10/24	06/11/24	

Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Steel Guitar 35 26 Federal Com #451H Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 6/14/2024 12:23:00PM
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FS21-1'
E406064-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2423138	
Benzene	ND	0.0250	1	06/07/24	06/13/24	
Ethylbenzene	ND	0.0250	1	06/07/24	06/13/24	
Toluene	ND	0.0250	1	06/07/24	06/13/24	
o-Xylene	ND	0.0250	1	06/07/24	06/13/24	
p,m-Xylene	ND	0.0500	1	06/07/24	06/13/24	
Total Xylenes	ND	0.0250	1	06/07/24	06/13/24	
Surrogate: 4-Bromochlorobenzene-PID	90.4 %	70-130		06/07/24	06/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2423138	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/07/24	06/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	112 %	70-130		06/07/24	06/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2424009	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/24	06/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/24	06/12/24	
Surrogate: n-Nonane	111 %	50-200		06/10/24	06/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2424017	
Chloride	240	20.0	1	06/10/24	06/11/24	

Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Steel Guitar 35 26 Federal Com #451H Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 6/14/2024 12:23:00PM
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FS22-1'
E406064-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2423138	
Benzene	ND	0.0250	1	06/07/24	06/13/24	
Ethylbenzene	ND	0.0250	1	06/07/24	06/13/24	
Toluene	ND	0.0250	1	06/07/24	06/13/24	
o-Xylene	ND	0.0250	1	06/07/24	06/13/24	
p,m-Xylene	ND	0.0500	1	06/07/24	06/13/24	
Total Xylenes	ND	0.0250	1	06/07/24	06/13/24	
Surrogate: 4-Bromochlorobenzene-PID	89.2 %	70-130		06/07/24	06/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2423138	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/07/24	06/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	111 %	70-130		06/07/24	06/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2424009	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/24	06/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/24	06/12/24	
Surrogate: n-Nonane	113 %	50-200		06/10/24	06/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2424017	
Chloride	142	20.0	1	06/10/24	06/11/24	

Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Steel Guitar 35 26 Federal Com #451H Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 6/14/2024 12:23:00PM
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FS26-1'

E406064-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2423138	
Benzene	ND	0.0250	1	06/07/24	06/13/24	
Ethylbenzene	ND	0.0250	1	06/07/24	06/13/24	
Toluene	ND	0.0250	1	06/07/24	06/13/24	
o-Xylene	ND	0.0250	1	06/07/24	06/13/24	
p,m-Xylene	ND	0.0500	1	06/07/24	06/13/24	
Total Xylenes	ND	0.0250	1	06/07/24	06/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.5 %	70-130		06/07/24	06/13/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2423138	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/07/24	06/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	111 %	70-130		06/07/24	06/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2424009	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/24	06/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/24	06/12/24	
<i>Surrogate: n-Nonane</i>						
	113 %	50-200		06/10/24	06/12/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2424017	
Chloride	221	20.0	1	06/10/24	06/11/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Steel Guitar 35 26 Federal Com #451H Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 6/14/2024 12:23:00PM
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FS27-1'
E406064-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2423138	
Benzene	ND	0.0250	1	06/07/24	06/13/24	
Ethylbenzene	ND	0.0250	1	06/07/24	06/13/24	
Toluene	ND	0.0250	1	06/07/24	06/13/24	
o-Xylene	ND	0.0250	1	06/07/24	06/13/24	
p,m-Xylene	ND	0.0500	1	06/07/24	06/13/24	
Total Xylenes	ND	0.0250	1	06/07/24	06/13/24	
Surrogate: 4-Bromochlorobenzene-PID	91.2 %	70-130		06/07/24	06/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2423138	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/07/24	06/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	111 %	70-130		06/07/24	06/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2424009	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/10/24	06/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/10/24	06/12/24	
Surrogate: n-Nonane	116 %	50-200		06/10/24	06/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2424017	
Chloride	66.1	20.0	1	06/10/24	06/11/24	

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Steel Guitar 35 26 Federal Com #451H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	6/14/2024 12:23:00PM

Volatile Organics by EPA 8021B

Analyst: BA

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

Blank (2423138-BLK1) Prepared: 06/07/24 Analyzed: 06/13/24

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.20		8.00		90.0	70-130			

LCS (2423138-BS1) Prepared: 06/07/24 Analyzed: 06/13/24

Benzene	4.98	0.0250	5.00		99.6	70-130			
Ethylbenzene	4.68	0.0250	5.00		93.6	70-130			
Toluene	4.91	0.0250	5.00		98.3	70-130			
o-Xylene	4.78	0.0250	5.00		95.7	70-130			
p,m-Xylene	9.65	0.0500	10.0		96.5	70-130			
Total Xylenes	14.4	0.0250	15.0		96.2	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.46		8.00		93.3	70-130			

Matrix Spike (2423138-MS1) Source: E406064-11 Prepared: 06/07/24 Analyzed: 06/13/24

Benzene	5.34	0.0250	5.00	ND	107	54-133			
Ethylbenzene	5.01	0.0250	5.00	ND	100	61-133			
Toluene	5.26	0.0250	5.00	ND	105	61-130			
o-Xylene	5.11	0.0250	5.00	ND	102	63-131			
p,m-Xylene	10.3	0.0500	10.0	ND	103	63-131			
Total Xylenes	15.4	0.0250	15.0	ND	103	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.33		8.00		91.6	70-130			

Matrix Spike Dup (2423138-MSD1) Source: E406064-11 Prepared: 06/07/24 Analyzed: 06/13/24

Benzene	4.88	0.0250	5.00	ND	97.5	54-133	8.98	20	
Ethylbenzene	4.57	0.0250	5.00	ND	91.4	61-133	9.16	20	
Toluene	4.80	0.0250	5.00	ND	95.9	61-130	9.14	20	
o-Xylene	4.66	0.0250	5.00	ND	93.1	63-131	9.38	20	
p,m-Xylene	9.42	0.0500	10.0	ND	94.2	63-131	9.21	20	
Total Xylenes	14.1	0.0250	15.0	ND	93.8	63-131	9.26	20	
Surrogate: 4-Bromochlorobenzene-PID	7.29		8.00		91.1	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Steel Guitar 35 26 Federal Com #451H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	6/14/2024 12:23:00PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2423138-BLK1) Prepared: 06/07/24 Analyzed: 06/13/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.87		8.00		111	70-130			

LCS (2423138-BS2) Prepared: 06/07/24 Analyzed: 06/13/24

Gasoline Range Organics (C6-C10)	56.5	20.0	50.0		113	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.91		8.00		111	70-130			

Matrix Spike (2423138-MS2) Source: E406064-11 Prepared: 06/07/24 Analyzed: 06/13/24

Gasoline Range Organics (C6-C10)	57.0	20.0	50.0	ND	114	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.96		8.00		112	70-130			

Matrix Spike Dup (2423138-MSD2) Source: E406064-11 Prepared: 06/07/24 Analyzed: 06/13/24

Gasoline Range Organics (C6-C10)	55.6	20.0	50.0	ND	111	70-130	2.48	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.97		8.00		112	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Steel Guitar 35 26 Federal Com #451H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	6/14/2024 12:23:00PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2424009-BLK1)					Prepared: 06/10/24 Analyzed: 06/11/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	55.2		50.0		110	50-200			

LCS (2424009-BS1)					Prepared: 06/10/24 Analyzed: 06/12/24				
Diesel Range Organics (C10-C28)	293	25.0	250		117	38-132			
Surrogate: n-Nonane	57.5		50.0		115	50-200			

Matrix Spike (2424009-MS1)					Source: E406064-07		Prepared: 06/10/24 Analyzed: 06/12/24		
Diesel Range Organics (C10-C28)	296	25.0	250	ND	118	38-132			
Surrogate: n-Nonane	57.8		50.0		116	50-200			

Matrix Spike Dup (2424009-MSD1)					Source: E406064-07		Prepared: 06/10/24 Analyzed: 06/12/24		
Diesel Range Organics (C10-C28)	285	25.0	250	ND	114	38-132	3.94	20	
Surrogate: n-Nonane	56.3		50.0		113	50-200			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Steel Guitar 35 26 Federal Com #451H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	6/14/2024 12:23:00PM

Anions by EPA 300.0/9056A

Analyst: WF

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

Blank (2424017-BLK1)					Prepared: 06/10/24 Analyzed: 06/10/24				
Chloride	ND	20.0							
LCS (2424017-BS1)					Prepared: 06/10/24 Analyzed: 06/10/24				
Chloride	249	20.0	250		99.5	90-110			
Matrix Spike (2424017-MS1)					Source: E406064-02		Prepared: 06/10/24 Analyzed: 06/10/24		
Chloride	289	20.0	250	37.1	101	80-120			
Matrix Spike Dup (2424017-MSD1)					Source: E406064-02		Prepared: 06/10/24 Analyzed: 06/10/24		
Chloride	289	20.0	250	37.1	101	80-120	0.0769	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:	Steel Guitar 35 26 Federal Com #451H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	06/14/24 12:23

- 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.



Devon Energy

Chain of Custody

E4060064 Job # 01058-0007

Client Information		Invoice Information		Lab Use Only		TAT		State			
Client: Matador Production Company		Company: Ensolum LLC		Lab WO#		1D 2D 3D Std		NM CO UT TX			
Project: Steel Guitar 35 26 Federal Com #451H		Address: 3122 National Parks Hwy		Job Number		1D 2D 3D Std		x			
Project Manager: Ashley Giovengo		City, State, Zip: Carlsbad NM, 88220		E4060064 23003 0007							
Address: 3122 National Parks Hwy		Phone: 575-988-0055									
City, State, Zip: Carlsbad NM, 88220		Email: agiovengo@ensolum.com									
Phone: 575-988-0055		Miscellaneous:									
Email: agiovengo@ensolum.com											

Sample Information					Field	Filter	Lab Number	Analysis and Method								EPA Program			Remarks
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID				DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA	
10:40	6/5/2024	Soil	1	FS01 - 1'			1						X						
10:46	6/5/2024	Soil	1	FS02 - 1'			2						X						
10:49	6/5/2024	Soil	1	FS03 - 1'			3						X						
10:51	6/5/2024	Soil	1	FS04 - 1'			4						X						
10:53	6/5/2024	Soil	1	FS05 - 1'			5						X						
11:08	6/5/2024	Soil	1	FS06 - 1'			6						X						
10:52	6/5/2024	Soil	1	FS07 - 1'			7						X						
10:54	6/5/2024	Soil	1	FS08 - 1'			8						X						
13:32	6/5/2024	Soil	1	FS09 - 1'			9						X						
13:31	6/5/2024	Soil	1	FS10 - 1'			10						X						

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com
 Client/Bill to changed to Devon Energy per C. Burton 6/7/24 A.M.

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

Sampled by: Cole Burton		Date: 6-6-24		Time: 7:30		Received by: (Signature) Michelle Gonzales		Date: 6-6-24		Time: 1000		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C 4
Relinquished by: (Signature) [Signature]		Date: 6-6-24		Time: 1530		Received by: (Signature) [Signature]		Date: 6-6-24		Time: 1730		
Relinquished by: (Signature) [Signature]		Date: 6-6-24		Time: 2400		Received by: (Signature) [Signature]		Date: 6/7/24		Time: 800		
Relinquished by: (Signature) [Signature]		Date: 6-6-24		Time: 2400		Received by: (Signature) [Signature]		Date: 6/7/24		Time: 800		

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

Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



envirotech

Devon Energy

Devon Energy

Chain of Custody

E406064

Job # 01058-0007

Client Information				Invoice Information				Lab Use Only				TAT				State			
Client: Matador Production Company				Company: Ensolum LLC				Lab WO#				Job Number				1D 2D 3D Std			
Project: Steel Guitar 35 26 Federal Com #451H				Address: 3122 National Parks Hwy				E406064				2303-0007				x			
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220															
Address: 3122 National Parks Hwy				Phone: 575-988-0055															
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com															
Phone: 575-988-0055				Miscellaneous:															
Email: agiovengo@ensolum.com																			
Sample Information						Analysis and Method										EPA Program			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BSDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA		
13:43	6/5/2024	Soil	1	FS19 - 1'		11						X							
13:39	6/5/2024	Soil	1	FS20 - 1'		12						X							
13:37	6/5/2024	Soil	1	FS21 - 1'		13						X							
13:46	6/5/2024	Soil	1	FS22 - 1'		14						X							
13:36	6/5/2024	Soil	1	FS26 - 1'		15						X							
13:34	6/5/2024	Soil	1	FS27 - 1'		16						X							
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com																			
Client/Bill to changed to Devon Energy per C. Burton 6/7/24 A.M.																			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																			
Sampled by: Cole Burton																			
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>							
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____																			
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA _____																			
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			



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Chain of Custody

Page 1 of 2

Received by OCD: 6/26/2024 10:26:40 AM

Client Information				Invoice Information				Lab Use Only				TAT				State			
Client: Matador Production Company				Company: Ensolum LLC				Lab WO#				1D 2D 3D Std				NM CO UT TX			
Project: Steel Guitar 35 26 Federal Com #451H				Address: 3122 National Parks Hwy				Job Number				x				x			
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220				E406062 23003000											
Address: 3122 National Parks Hwy				Phone: 575-988-0055															
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com															
Phone: 575-988-0055				Miscellaneous:															
Email: agiovengo@ensolum.com																			
Sample Information							Analysis and Method								EPA Program				
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	SGDOC - NM	TCFQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA		
10:40	6/5/2024	Soil	1	FS01 - 1'		1						X							
10:46	6/5/2024	Soil	1	FS02 - 1'		2						X							
10:49	6/5/2024	Soil	1	FS03 - 1'		3						X							
10:51	6/5/2024	Soil	1	FS04 - 1'		4						X							
10:53	6/5/2024	Soil	1	FS05 - 1'		5						X							
11:08	6/5/2024	Soil	1	FS06 - 1'		6						X							
10:52	6/5/2024	Soil	1	FS07 - 1'		7						X							
10:54	6/5/2024	Soil	1	FS08 - 1'		8						X							
13:32	6/5/2024	Soil	1	FS09 - 1'		9						X							
13:31	6/5/2024	Soil	1	FS10 - 1'		10						X							
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com																			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																			
Sampled by: Cole Burton																			
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C 4							
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time									
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																			
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																			
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			



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Client Information				Invoice Information		Lab Use Only		TAT				State					
Client: Matador Production Company				Company: Ensolum LLC		Lab WO#		1D 2D 3D Std				NM CO UT TX					
Project: Steel Guitar 35 26 Federal Com #451H				Address: 3122 National Parks Hwy		Job Number		x				x					
Project Manager: Ashley Giovengo				City, State, Zip: Carlsbad NM, 88220		E-406064											
Address: 3122 National Parks Hwy				Phone: 575-988-0055													
City, State, Zip: Carlsbad NM, 88220				Email: agiovengo@ensolum.com													
Phone: 575-988-0055				Miscellaneous:													
Email: agiovengo@ensolum.com																	
Sample Information						Analysis and Method								EPA Program			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA
13:43	6/5/2024	Soil	1	FS19 - 1'		11						X					
13:39	6/5/2024	Soil	1	FS20 - 1'		12						X					
13:37	6/5/2024	Soil	1	FS21 - 1'		13						X					
13:46	6/5/2024	Soil	1	FS22 - 1'		14						X					
13:36	6/5/2024	Soil	1	FS26 - 1'		15						X					
13:34	6/5/2024	Soil	1	FS27 - 1'		16						X					
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, chamilton@ensolum.com, iestrella@ensolum.com																	
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																	
Sampled by: Cole Burton																	
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days. Lab Use Only Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C 4									
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time										
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA							
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																	



Envirotech Analytical Laboratory

Printed: 6/7/2024 11:23:39AM

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:	06/07/24 08:00	Work Order ID:	E406064
Phone:	(505) 382-1211	Date Logged In:	06/06/24 19:04	Logged In By:	Alexa Michaels
Email:	ashley.giovengo@wescominc.com	Due Date:	06/13/24 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/Resolution

6/7/24 client requested the Client/Bill to information on the COC be changed to Devon Energy, see green COC for corrections.

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:

Ashley Giovengo



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name: Steel Guitar 35 26 Federal Com
#451H

Work Order: E406073

Job Number: 01058-0007

Received: 6/10/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/17/24

5796 U.S. Hwy 64
Farmington, NM 87401

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



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: 6/17/24



Ashley Giovengo
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Steel Guitar 35 26 Federal Com #451H
Workorder: E406073
Date Received: 6/10/2024 6:15:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/10/2024 6:15:00AM, under the Project Name: Steel Guitar 35 26 Federal Com #451H.

The analytical test results summarized in this report with the Project Name: Steel Guitar 35 26 Federal Com #451H 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 regarding 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

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljjarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Steel Guitar 35 26 Federal Com #451H Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 06/17/24 13:21
---	--	-----------------------------

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS11-1.5'	E406073-01A	Soil	06/06/24	06/10/24	Glass Jar, 4 oz.
FS12-1'	E406073-02A	Soil	06/06/24	06/10/24	Glass Jar, 4 oz.
FS13-1'	E406073-03A	Soil	06/06/24	06/10/24	Glass Jar, 4 oz.
FS14-1.5'	E406073-04A	Soil	06/06/24	06/10/24	Glass Jar, 4 oz.
FS15-1'	E406073-05A	Soil	06/06/24	06/10/24	Glass Jar, 4 oz.
FS16-1'	E406073-06A	Soil	06/06/24	06/10/24	Glass Jar, 4 oz.
FS17-1'	E406073-07A	Soil	06/06/24	06/10/24	Glass Jar, 4 oz.
FS18-1'	E406073-08A	Soil	06/06/24	06/10/24	Glass Jar, 4 oz.
FS23-1'	E406073-09A	Soil	06/06/24	06/10/24	Glass Jar, 4 oz.
FS24-1'	E406073-10A	Soil	06/06/24	06/10/24	Glass Jar, 4 oz.
FS25-1'	E406073-11A	Soil	06/06/24	06/10/24	Glass Jar, 4 oz.
FS28-1'	E406073-12A	Soil	06/06/24	06/10/24	Glass Jar, 4 oz.
FS29-1'	E406073-13A	Soil	06/06/24	06/10/24	Glass Jar, 4 oz.
FS30-1'	E406073-14A	Soil	06/06/24	06/10/24	Glass Jar, 4 oz.
FS31-1	E406073-15A	Soil	06/06/24	06/10/24	Glass Jar, 4 oz.
FS32-1'	E406073-16A	Soil	06/06/24	06/10/24	Glass Jar, 4 oz.
FS33-1	E406073-17A	Soil	06/06/24	06/10/24	Glass Jar, 4 oz.
FS34-1'	E406073-18A	Soil	06/06/24	06/10/24	Glass Jar, 4 oz.
FS35-1'	E406073-19A	Soil	06/06/24	06/10/24	Glass Jar, 4 oz.
FS36-1'	E406073-20A	Soil	06/06/24	06/10/24	Glass Jar, 4 oz.
FS37-1	E406073-21A	Soil	06/06/24	06/10/24	Glass Jar, 4 oz.
FS38-1'	E406073-22A	Soil	06/06/24	06/10/24	Glass Jar, 4 oz.
FS39-1'	E406073-23A	Soil	06/06/24	06/10/24	Glass Jar, 4 oz.
FS40-1'	E406073-24A	Soil	06/06/24	06/10/24	Glass Jar, 4 oz.
SW01 - 0-1'	E406073-25A	Soil	06/06/24	06/10/24	Glass Jar, 4 oz.
SW02 - 0-1'	E406073-26A	Soil	06/06/24	06/10/24	Glass Jar, 4 oz.
SW03 - 0-1'	E406073-27A	Soil	06/06/24	06/10/24	Glass Jar, 4 oz.



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Steel Guitar 35 26 Federal Com #451H
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
6/17/2024 1:21:03PM

FS11-1.5'

E406073-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2424006	
Benzene	ND	0.0250	1	06/10/24	06/13/24	
Ethylbenzene	ND	0.0250	1	06/10/24	06/13/24	
Toluene	ND	0.0250	1	06/10/24	06/13/24	
o-Xylene	ND	0.0250	1	06/10/24	06/13/24	
p,m-Xylene	ND	0.0500	1	06/10/24	06/13/24	
Total Xylenes	ND	0.0250	1	06/10/24	06/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.8 %	70-130		06/10/24	06/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2424006	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/10/24	06/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	111 %	70-130		06/10/24	06/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2424048	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/11/24	06/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/11/24	06/14/24	
<i>Surrogate: n-Nonane</i>						
	118 %	50-200		06/11/24	06/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2424040	
Chloride	53.9	20.0	1	06/11/24	06/11/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Steel Guitar 35 26 Federal Com #451H Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 6/17/2024 1:21:03PM
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FS12-1'
E406073-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2424006	
Benzene	ND	0.0250	1	06/10/24	06/13/24	
Ethylbenzene	ND	0.0250	1	06/10/24	06/13/24	
Toluene	ND	0.0250	1	06/10/24	06/13/24	
o-Xylene	ND	0.0250	1	06/10/24	06/13/24	
p,m-Xylene	ND	0.0500	1	06/10/24	06/13/24	
Total Xylenes	ND	0.0250	1	06/10/24	06/13/24	
Surrogate: 4-Bromochlorobenzene-PID	91.4 %	70-130		06/10/24	06/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2424006	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/10/24	06/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	111 %	70-130		06/10/24	06/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2424048	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/11/24	06/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/11/24	06/14/24	
Surrogate: n-Nonane	109 %	50-200		06/11/24	06/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2424040	
Chloride	75.7	20.0	1	06/11/24	06/11/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Steel Guitar 35 26 Federal Com #451H Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 6/17/2024 1:21:03PM
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FS13-1'

E406073-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2424006	
Benzene	ND	0.0250	1	06/10/24	06/13/24	
Ethylbenzene	ND	0.0250	1	06/10/24	06/13/24	
Toluene	ND	0.0250	1	06/10/24	06/13/24	
o-Xylene	ND	0.0250	1	06/10/24	06/13/24	
p,m-Xylene	ND	0.0500	1	06/10/24	06/13/24	
Total Xylenes	ND	0.0250	1	06/10/24	06/13/24	
Surrogate: 4-Bromochlorobenzene-PID	91.3 %	70-130		06/10/24	06/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2424006	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/10/24	06/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	111 %	70-130		06/10/24	06/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2424048	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/11/24	06/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/11/24	06/14/24	
Surrogate: n-Nonane	104 %	50-200		06/11/24	06/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2424040	
Chloride	174	20.0	1	06/11/24	06/11/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Steel Guitar 35 26 Federal Com #451H Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 6/17/2024 1:21:03PM
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FS14-1.5'

E406073-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2424006	
Benzene	ND	0.0250	1	06/10/24	06/13/24	
Ethylbenzene	ND	0.0250	1	06/10/24	06/13/24	
Toluene	ND	0.0250	1	06/10/24	06/13/24	
o-Xylene	ND	0.0250	1	06/10/24	06/13/24	
p,m-Xylene	ND	0.0500	1	06/10/24	06/13/24	
Total Xylenes	ND	0.0250	1	06/10/24	06/13/24	
Surrogate: 4-Bromochlorobenzene-PID	90.8 %	70-130		06/10/24	06/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2424006	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/10/24	06/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	111 %	70-130		06/10/24	06/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2424048	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/11/24	06/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/11/24	06/14/24	
Surrogate: n-Nonane	110 %	50-200		06/11/24	06/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2424040	
Chloride	222	20.0	1	06/11/24	06/11/24	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Steel Guitar 35 26 Federal Com #451H
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
6/17/2024 1:21:03PM

FS15-1'

E406073-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2424006	
Benzene	ND	0.0250	1	06/10/24	06/13/24	
Ethylbenzene	ND	0.0250	1	06/10/24	06/13/24	
Toluene	ND	0.0250	1	06/10/24	06/13/24	
o-Xylene	ND	0.0250	1	06/10/24	06/13/24	
p,m-Xylene	ND	0.0500	1	06/10/24	06/13/24	
Total Xylenes	ND	0.0250	1	06/10/24	06/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	<i>90.8 %</i>	<i>70-130</i>		<i>06/10/24</i>	<i>06/13/24</i>	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2424006	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/10/24	06/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	<i>111 %</i>	<i>70-130</i>		<i>06/10/24</i>	<i>06/13/24</i>	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2424048	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/11/24	06/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/11/24	06/14/24	
<i>Surrogate: n-Nonane</i>	<i>113 %</i>	<i>50-200</i>		<i>06/11/24</i>	<i>06/14/24</i>	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2424040	
Chloride	257	20.0	1	06/11/24	06/11/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Steel Guitar 35 26 Federal Com #451H Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 6/17/2024 1:21:03PM
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FS16-1'
E406073-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2424006	
Benzene	ND	0.0250	1	06/10/24	06/13/24	
Ethylbenzene	ND	0.0250	1	06/10/24	06/13/24	
Toluene	ND	0.0250	1	06/10/24	06/13/24	
o-Xylene	ND	0.0250	1	06/10/24	06/13/24	
p,m-Xylene	ND	0.0500	1	06/10/24	06/13/24	
Total Xylenes	ND	0.0250	1	06/10/24	06/13/24	
Surrogate: 4-Bromochlorobenzene-PID	90.3 %	70-130		06/10/24	06/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2424006	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/10/24	06/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	112 %	70-130		06/10/24	06/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2424048	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/11/24	06/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/11/24	06/14/24	
Surrogate: n-Nonane	114 %	50-200		06/11/24	06/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2424040	
Chloride	356	20.0	1	06/11/24	06/11/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Steel Guitar 35 26 Federal Com #451H Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 6/17/2024 1:21:03PM
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FS17-1'
E406073-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2424006	
Benzene	ND	0.0250	1	06/10/24	06/13/24	
Ethylbenzene	ND	0.0250	1	06/10/24	06/13/24	
Toluene	ND	0.0250	1	06/10/24	06/13/24	
o-Xylene	ND	0.0250	1	06/10/24	06/13/24	
p,m-Xylene	ND	0.0500	1	06/10/24	06/13/24	
Total Xylenes	ND	0.0250	1	06/10/24	06/13/24	
Surrogate: 4-Bromochlorobenzene-PID	90.1 %	70-130		06/10/24	06/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2424006	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/10/24	06/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	112 %	70-130		06/10/24	06/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2424048	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/11/24	06/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/11/24	06/14/24	
Surrogate: n-Nonane	112 %	50-200		06/11/24	06/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2424040	
Chloride	77.3	20.0	1	06/11/24	06/11/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Steel Guitar 35 26 Federal Com #451H Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 6/17/2024 1:21:03PM
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FS18-1'
E406073-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2424006	
Benzene	ND	0.0250	1	06/10/24	06/13/24	
Ethylbenzene	ND	0.0250	1	06/10/24	06/13/24	
Toluene	ND	0.0250	1	06/10/24	06/13/24	
o-Xylene	ND	0.0250	1	06/10/24	06/13/24	
p,m-Xylene	ND	0.0500	1	06/10/24	06/13/24	
Total Xylenes	ND	0.0250	1	06/10/24	06/13/24	
Surrogate: 4-Bromochlorobenzene-PID	90.2 %	70-130		06/10/24	06/13/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2424006	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/10/24	06/13/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	111 %	70-130		06/10/24	06/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2424048	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/11/24	06/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/11/24	06/14/24	
Surrogate: n-Nonane	114 %	50-200		06/11/24	06/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2424040	
Chloride	69.1	20.0	1	06/11/24	06/11/24	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Steel Guitar 35 26 Federal Com #451H
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
6/17/2024 1:21:03PM

FS23-1'

E406073-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2424006	
Benzene	ND	0.0250	1	06/10/24	06/13/24	
Ethylbenzene	ND	0.0250	1	06/10/24	06/13/24	
Toluene	ND	0.0250	1	06/10/24	06/13/24	
o-Xylene	ND	0.0250	1	06/10/24	06/13/24	
p,m-Xylene	ND	0.0500	1	06/10/24	06/13/24	
Total Xylenes	ND	0.0250	1	06/10/24	06/13/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.7 %	70-130		06/10/24	06/13/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2424006	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/10/24	06/13/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	111 %	70-130		06/10/24	06/13/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2424048	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/11/24	06/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/11/24	06/14/24	
<i>Surrogate: n-Nonane</i>						
	111 %	50-200		06/11/24	06/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2424040	
Chloride	358	20.0	1	06/11/24	06/11/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Steel Guitar 35 26 Federal Com #451H Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 6/17/2024 1:21:03PM
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FS24-1'
E406073-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2424006	
Benzene	ND	0.0250	1	06/10/24	06/14/24	
Ethylbenzene	ND	0.0250	1	06/10/24	06/14/24	
Toluene	ND	0.0250	1	06/10/24	06/14/24	
o-Xylene	ND	0.0250	1	06/10/24	06/14/24	
p,m-Xylene	ND	0.0500	1	06/10/24	06/14/24	
Total Xylenes	ND	0.0250	1	06/10/24	06/14/24	
Surrogate: 4-Bromochlorobenzene-PID	90.7 %	70-130		06/10/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2424006	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/10/24	06/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	112 %	70-130		06/10/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2424048	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/11/24	06/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/11/24	06/14/24	
Surrogate: n-Nonane	111 %	50-200		06/11/24	06/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2424040	
Chloride	98.2	20.0	1	06/11/24	06/11/24	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Steel Guitar 35 26 Federal Com #451H
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
6/17/2024 1:21:03PM

FS25-1'

E406073-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2424006	
Benzene	ND	0.0250	1	06/10/24	06/14/24	
Ethylbenzene	ND	0.0250	1	06/10/24	06/14/24	
Toluene	ND	0.0250	1	06/10/24	06/14/24	
o-Xylene	ND	0.0250	1	06/10/24	06/14/24	
p,m-Xylene	ND	0.0500	1	06/10/24	06/14/24	
Total Xylenes	ND	0.0250	1	06/10/24	06/14/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		91.1 %	70-130	06/10/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2424006	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/10/24	06/14/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		112 %	70-130	06/10/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2424048	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/11/24	06/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/11/24	06/15/24	
<i>Surrogate: n-Nonane</i>		111 %	50-200	06/11/24	06/15/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2424040	
Chloride	227	20.0	1	06/11/24	06/11/24	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Steel Guitar 35 26 Federal Com #451H
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
6/17/2024 1:21:03PM

FS28-1'

E406073-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2424006
Benzene	ND	0.0250	1	06/10/24	06/14/24	
Ethylbenzene	ND	0.0250	1	06/10/24	06/14/24	
Toluene	ND	0.0250	1	06/10/24	06/14/24	
o-Xylene	ND	0.0250	1	06/10/24	06/14/24	
p,m-Xylene	ND	0.0500	1	06/10/24	06/14/24	
Total Xylenes	ND	0.0250	1	06/10/24	06/14/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.7 %	70-130		06/10/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2424006
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/10/24	06/14/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	111 %	70-130		06/10/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2424048
Diesel Range Organics (C10-C28)	ND	25.0	1	06/11/24	06/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/11/24	06/15/24	
<i>Surrogate: n-Nonane</i>						
	112 %	50-200		06/11/24	06/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2424040
Chloride	292	20.0	1	06/11/24	06/11/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Steel Guitar 35 26 Federal Com #451H Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 6/17/2024 1:21:03PM
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FS29-1'
E406073-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2424006	
Benzene	ND	0.0250	1	06/10/24	06/14/24	
Ethylbenzene	ND	0.0250	1	06/10/24	06/14/24	
Toluene	ND	0.0250	1	06/10/24	06/14/24	
o-Xylene	ND	0.0250	1	06/10/24	06/14/24	
p,m-Xylene	ND	0.0500	1	06/10/24	06/14/24	
Total Xylenes	ND	0.0250	1	06/10/24	06/14/24	
Surrogate: 4-Bromochlorobenzene-PID	91.3 %	70-130		06/10/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2424006	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/10/24	06/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	111 %	70-130		06/10/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2424048	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/11/24	06/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/11/24	06/15/24	
Surrogate: n-Nonane	111 %	50-200		06/11/24	06/15/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2424040	
Chloride	130	20.0	1	06/11/24	06/11/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Steel Guitar 35 26 Federal Com #451H Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 6/17/2024 1:21:03PM
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FS30-1'
E406073-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2424006	
Benzene	ND	0.0250	1	06/10/24	06/14/24	
Ethylbenzene	ND	0.0250	1	06/10/24	06/14/24	
Toluene	ND	0.0250	1	06/10/24	06/14/24	
o-Xylene	ND	0.0250	1	06/10/24	06/14/24	
p,m-Xylene	ND	0.0500	1	06/10/24	06/14/24	
Total Xylenes	ND	0.0250	1	06/10/24	06/14/24	
Surrogate: 4-Bromochlorobenzene-PID	91.0 %	70-130		06/10/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2424006	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/10/24	06/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	111 %	70-130		06/10/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2424048	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/11/24	06/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/11/24	06/15/24	
Surrogate: n-Nonane	109 %	50-200		06/11/24	06/15/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2424040	
Chloride	337	20.0	1	06/11/24	06/11/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Steel Guitar 35 26 Federal Com #451H Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 6/17/2024 1:21:03PM
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FS31-1
E406073-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2424006	
Benzene	ND	0.0250	1	06/10/24	06/14/24	
Ethylbenzene	ND	0.0250	1	06/10/24	06/14/24	
Toluene	ND	0.0250	1	06/10/24	06/14/24	
o-Xylene	ND	0.0250	1	06/10/24	06/14/24	
p,m-Xylene	ND	0.0500	1	06/10/24	06/14/24	
Total Xylenes	ND	0.0250	1	06/10/24	06/14/24	
Surrogate: 4-Bromochlorobenzene-PID	90.3 %	70-130		06/10/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2424006	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/10/24	06/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	111 %	70-130		06/10/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2424048	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/11/24	06/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/11/24	06/15/24	
Surrogate: n-Nonane	109 %	50-200		06/11/24	06/15/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2424040	
Chloride	108	20.0	1	06/11/24	06/11/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Steel Guitar 35 26 Federal Com #451H Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 6/17/2024 1:21:03PM
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FS32-1'
E406073-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2424006	
Benzene	ND	0.0250	1	06/10/24	06/14/24	
Ethylbenzene	ND	0.0250	1	06/10/24	06/14/24	
Toluene	ND	0.0250	1	06/10/24	06/14/24	
o-Xylene	ND	0.0250	1	06/10/24	06/14/24	
p,m-Xylene	ND	0.0500	1	06/10/24	06/14/24	
Total Xylenes	ND	0.0250	1	06/10/24	06/14/24	
Surrogate: 4-Bromochlorobenzene-PID	91.8 %	70-130		06/10/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2424006	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/10/24	06/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	111 %	70-130		06/10/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2424048	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/11/24	06/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/11/24	06/15/24	
Surrogate: n-Nonane	111 %	50-200		06/11/24	06/15/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2424040	
Chloride	118	20.0	1	06/11/24	06/11/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Steel Guitar 35 26 Federal Com #451H Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 6/17/2024 1:21:03PM
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FS33-1
E406073-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2424006	
Benzene	ND	0.0250	1	06/10/24	06/14/24	
Ethylbenzene	ND	0.0250	1	06/10/24	06/14/24	
Toluene	ND	0.0250	1	06/10/24	06/14/24	
o-Xylene	ND	0.0250	1	06/10/24	06/14/24	
p,m-Xylene	ND	0.0500	1	06/10/24	06/14/24	
Total Xylenes	ND	0.0250	1	06/10/24	06/14/24	
Surrogate: 4-Bromochlorobenzene-PID	90.0 %	70-130		06/10/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2424006	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/10/24	06/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	111 %	70-130		06/10/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2424048	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/11/24	06/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/11/24	06/15/24	
Surrogate: n-Nonane	99.9 %	50-200		06/11/24	06/15/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2424040	
Chloride	97.0	20.0	1	06/11/24	06/11/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Steel Guitar 35 26 Federal Com #451H Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 6/17/2024 1:21:03PM
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FS34-1'
E406073-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2424006	
Benzene	ND	0.0250	1	06/10/24	06/14/24	
Ethylbenzene	ND	0.0250	1	06/10/24	06/14/24	
Toluene	ND	0.0250	1	06/10/24	06/14/24	
o-Xylene	ND	0.0250	1	06/10/24	06/14/24	
p,m-Xylene	ND	0.0500	1	06/10/24	06/14/24	
Total Xylenes	ND	0.0250	1	06/10/24	06/14/24	
Surrogate: 4-Bromochlorobenzene-PID	90.5 %	70-130		06/10/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2424006	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/10/24	06/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	111 %	70-130		06/10/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2424048	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/11/24	06/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/11/24	06/15/24	
Surrogate: n-Nonane	110 %	50-200		06/11/24	06/15/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2424040	
Chloride	75.8	20.0	1	06/11/24	06/11/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Steel Guitar 35 26 Federal Com #451H Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 6/17/2024 1:21:03PM
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FS35-1'
E406073-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2424006	
Benzene	ND	0.0250	1	06/10/24	06/14/24	
Ethylbenzene	ND	0.0250	1	06/10/24	06/14/24	
Toluene	ND	0.0250	1	06/10/24	06/14/24	
o-Xylene	ND	0.0250	1	06/10/24	06/14/24	
p,m-Xylene	ND	0.0500	1	06/10/24	06/14/24	
Total Xylenes	ND	0.0250	1	06/10/24	06/14/24	
Surrogate: 4-Bromochlorobenzene-PID	91.0 %	70-130		06/10/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2424006	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/10/24	06/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	112 %	70-130		06/10/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2424048	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/11/24	06/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/11/24	06/15/24	
Surrogate: n-Nonane	106 %	50-200		06/11/24	06/15/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2424040	
Chloride	106	20.0	1	06/11/24	06/11/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Steel Guitar 35 26 Federal Com #451H Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 6/17/2024 1:21:03PM
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FS36-1'
E406073-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2424006	
Benzene	ND	0.0250	1	06/10/24	06/14/24	
Ethylbenzene	ND	0.0250	1	06/10/24	06/14/24	
Toluene	ND	0.0250	1	06/10/24	06/14/24	
o-Xylene	ND	0.0250	1	06/10/24	06/14/24	
p,m-Xylene	ND	0.0500	1	06/10/24	06/14/24	
Total Xylenes	ND	0.0250	1	06/10/24	06/14/24	
Surrogate: 4-Bromochlorobenzene-PID	91.4 %	70-130		06/10/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2424006	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/10/24	06/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	112 %	70-130		06/10/24	06/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2424048	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/11/24	06/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/11/24	06/15/24	
Surrogate: n-Nonane	103 %	50-200		06/11/24	06/15/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2424040	
Chloride	179	20.0	1	06/11/24	06/11/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Steel Guitar 35 26 Federal Com #451H Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 6/17/2024 1:21:03PM
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FS37-1
E406073-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2424005
Benzene	ND	0.0250	1	06/10/24	06/10/24	
Ethylbenzene	ND	0.0250	1	06/10/24	06/10/24	
Toluene	ND	0.0250	1	06/10/24	06/10/24	
o-Xylene	ND	0.0250	1	06/10/24	06/10/24	
p,m-Xylene	ND	0.0500	1	06/10/24	06/10/24	
Total Xylenes	ND	0.0250	1	06/10/24	06/10/24	
Surrogate: Bromofluorobenzene		110 %	70-130	06/10/24	06/10/24	
Surrogate: 1,2-Dichloroethane-d4		89.9 %	70-130	06/10/24	06/10/24	
Surrogate: Toluene-d8		105 %	70-130	06/10/24	06/10/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2424005
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/10/24	06/10/24	
Surrogate: Bromofluorobenzene		110 %	70-130	06/10/24	06/10/24	
Surrogate: 1,2-Dichloroethane-d4		89.9 %	70-130	06/10/24	06/10/24	
Surrogate: Toluene-d8		105 %	70-130	06/10/24	06/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2424049
Diesel Range Organics (C10-C28)	ND	25.0	1	06/11/24	06/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/11/24	06/14/24	
Surrogate: n-Nonane		109 %	50-200	06/11/24	06/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2424044
Chloride	151	20.0	1	06/11/24	06/12/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Steel Guitar 35 26 Federal Com #451H Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 6/17/2024 1:21:03PM
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FS38-1'
E406073-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2424005	
Benzene	ND	0.0250	1	06/10/24	06/10/24	
Ethylbenzene	ND	0.0250	1	06/10/24	06/10/24	
Toluene	ND	0.0250	1	06/10/24	06/10/24	
o-Xylene	ND	0.0250	1	06/10/24	06/10/24	
p,m-Xylene	ND	0.0500	1	06/10/24	06/10/24	
Total Xylenes	ND	0.0250	1	06/10/24	06/10/24	
Surrogate: Bromofluorobenzene		111 %	70-130	06/10/24	06/10/24	
Surrogate: 1,2-Dichloroethane-d4		90.5 %	70-130	06/10/24	06/10/24	
Surrogate: Toluene-d8		105 %	70-130	06/10/24	06/10/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2424005	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/10/24	06/10/24	
Surrogate: Bromofluorobenzene		111 %	70-130	06/10/24	06/10/24	
Surrogate: 1,2-Dichloroethane-d4		90.5 %	70-130	06/10/24	06/10/24	
Surrogate: Toluene-d8		105 %	70-130	06/10/24	06/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2424049	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/11/24	06/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/11/24	06/14/24	
Surrogate: n-Nonane		111 %	50-200	06/11/24	06/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2424044	
Chloride	174	20.0	1	06/11/24	06/12/24	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Steel Guitar 35 26 Federal Com #451H
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
6/17/2024 1:21:03PM

FS39-1'

E406073-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2424005
Benzene	ND	0.0250	1	06/10/24	06/10/24	
Ethylbenzene	ND	0.0250	1	06/10/24	06/10/24	
Toluene	ND	0.0250	1	06/10/24	06/10/24	
o-Xylene	ND	0.0250	1	06/10/24	06/10/24	
p,m-Xylene	ND	0.0500	1	06/10/24	06/10/24	
Total Xylenes	ND	0.0250	1	06/10/24	06/10/24	
Surrogate: Bromofluorobenzene		110 %	70-130	06/10/24	06/10/24	
Surrogate: 1,2-Dichloroethane-d4		88.9 %	70-130	06/10/24	06/10/24	
Surrogate: Toluene-d8		105 %	70-130	06/10/24	06/10/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2424005
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/10/24	06/10/24	
Surrogate: Bromofluorobenzene		110 %	70-130	06/10/24	06/10/24	
Surrogate: 1,2-Dichloroethane-d4		88.9 %	70-130	06/10/24	06/10/24	
Surrogate: Toluene-d8		105 %	70-130	06/10/24	06/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2424049
Diesel Range Organics (C10-C28)	ND	25.0	1	06/11/24	06/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/11/24	06/14/24	
Surrogate: n-Nonane		109 %	50-200	06/11/24	06/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2424044
Chloride	127	20.0	1	06/11/24	06/12/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Steel Guitar 35 26 Federal Com #451H Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 6/17/2024 1:21:03PM
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FS40-1'
E406073-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2424005	
Benzene	ND	0.0250	1	06/10/24	06/10/24	
Ethylbenzene	ND	0.0250	1	06/10/24	06/10/24	
Toluene	ND	0.0250	1	06/10/24	06/10/24	
o-Xylene	ND	0.0250	1	06/10/24	06/10/24	
p,m-Xylene	ND	0.0500	1	06/10/24	06/10/24	
Total Xylenes	ND	0.0250	1	06/10/24	06/10/24	
Surrogate: Bromofluorobenzene	108 %	70-130		06/10/24	06/10/24	
Surrogate: 1,2-Dichloroethane-d4	90.2 %	70-130		06/10/24	06/10/24	
Surrogate: Toluene-d8	105 %	70-130		06/10/24	06/10/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2424005	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/10/24	06/10/24	
Surrogate: Bromofluorobenzene	108 %	70-130		06/10/24	06/10/24	
Surrogate: 1,2-Dichloroethane-d4	90.2 %	70-130		06/10/24	06/10/24	
Surrogate: Toluene-d8	105 %	70-130		06/10/24	06/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2424049	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/11/24	06/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/11/24	06/14/24	
Surrogate: n-Nonane	109 %	50-200		06/11/24	06/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2424044	
Chloride	107	20.0	1	06/11/24	06/12/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Steel Guitar 35 26 Federal Com #451H Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 6/17/2024 1:21:03PM
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SW01 - 0-1'
E406073-25

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2424005	
Benzene	ND	0.0250	1	06/10/24	06/10/24	
Ethylbenzene	ND	0.0250	1	06/10/24	06/10/24	
Toluene	ND	0.0250	1	06/10/24	06/10/24	
o-Xylene	ND	0.0250	1	06/10/24	06/10/24	
p,m-Xylene	ND	0.0500	1	06/10/24	06/10/24	
Total Xylenes	ND	0.0250	1	06/10/24	06/10/24	
Surrogate: Bromofluorobenzene		110 %	70-130	06/10/24	06/10/24	
Surrogate: 1,2-Dichloroethane-d4		88.7 %	70-130	06/10/24	06/10/24	
Surrogate: Toluene-d8		104 %	70-130	06/10/24	06/10/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2424005	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/10/24	06/10/24	
Surrogate: Bromofluorobenzene		110 %	70-130	06/10/24	06/10/24	
Surrogate: 1,2-Dichloroethane-d4		88.7 %	70-130	06/10/24	06/10/24	
Surrogate: Toluene-d8		104 %	70-130	06/10/24	06/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2424049	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/11/24	06/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/11/24	06/14/24	
Surrogate: n-Nonane		109 %	50-200	06/11/24	06/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2424044	
Chloride	188	20.0	1	06/11/24	06/12/24	



Sample Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Steel Guitar 35 26 Federal Com #451H Project Number: 01058-0007 Project Manager: Ashley Giovengo	Reported: 6/17/2024 1:21:03PM
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SW02 - 0-1'
E406073-26

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2424005	
Benzene	ND	0.0250	1	06/10/24	06/10/24	
Ethylbenzene	ND	0.0250	1	06/10/24	06/10/24	
Toluene	ND	0.0250	1	06/10/24	06/10/24	
o-Xylene	ND	0.0250	1	06/10/24	06/10/24	
p,m-Xylene	ND	0.0500	1	06/10/24	06/10/24	
Total Xylenes	ND	0.0250	1	06/10/24	06/10/24	
Surrogate: Bromofluorobenzene	108 %	70-130		06/10/24	06/10/24	
Surrogate: 1,2-Dichloroethane-d4	93.8 %	70-130		06/10/24	06/10/24	
Surrogate: Toluene-d8	107 %	70-130		06/10/24	06/10/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2424005	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/10/24	06/10/24	
Surrogate: Bromofluorobenzene	108 %	70-130		06/10/24	06/10/24	
Surrogate: 1,2-Dichloroethane-d4	93.8 %	70-130		06/10/24	06/10/24	
Surrogate: Toluene-d8	107 %	70-130		06/10/24	06/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2424049	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/11/24	06/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/11/24	06/14/24	
Surrogate: n-Nonane	112 %	50-200		06/11/24	06/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2424044	
Chloride	153	20.0	1	06/11/24	06/12/24	



Sample Data

Devon Energy - Carlsbad
6488 7 Rivers Hwy
Artesia NM, 88210

Project Name: Steel Guitar 35 26 Federal Com #451H
Project Number: 01058-0007
Project Manager: Ashley Giovengo

Reported:
6/17/2024 1:21:03PM

SW03 - 0-1'

E406073-27

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2424005
Benzene	ND	0.0250	1	06/10/24	06/11/24	
Ethylbenzene	ND	0.0250	1	06/10/24	06/11/24	
Toluene	ND	0.0250	1	06/10/24	06/11/24	
o-Xylene	ND	0.0250	1	06/10/24	06/11/24	
p,m-Xylene	ND	0.0500	1	06/10/24	06/11/24	
Total Xylenes	ND	0.0250	1	06/10/24	06/11/24	
Surrogate: Bromofluorobenzene		110 %	70-130	06/10/24	06/11/24	
Surrogate: 1,2-Dichloroethane-d4		89.2 %	70-130	06/10/24	06/11/24	
Surrogate: Toluene-d8		106 %	70-130	06/10/24	06/11/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2424005
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/10/24	06/11/24	
Surrogate: Bromofluorobenzene		110 %	70-130	06/10/24	06/11/24	
Surrogate: 1,2-Dichloroethane-d4		89.2 %	70-130	06/10/24	06/11/24	
Surrogate: Toluene-d8		106 %	70-130	06/10/24	06/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2424049
Diesel Range Organics (C10-C28)	ND	25.0	1	06/11/24	06/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/11/24	06/14/24	
Surrogate: n-Nonane		110 %	50-200	06/11/24	06/14/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2424044
Chloride	104	20.0	1	06/11/24	06/12/24	



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Steel Guitar 35 26 Federal Com #451H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	6/17/2024 1:21:03PM

Volatile Organic Compounds by EPA 8260B

Analyst: IY

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

Blank (2424005-BLK1) Prepared: 06/10/24 Analyzed: 06/10/24

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.549		0.500		110	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.449		0.500		89.8	70-130			
Surrogate: Toluene-d8	0.524		0.500		105	70-130			

LCS (2424005-BS1) Prepared: 06/10/24 Analyzed: 06/10/24

Benzene	2.23	0.0250	2.50		89.3	70-130			
Ethylbenzene	2.34	0.0250	2.50		93.4	70-130			
Toluene	2.36	0.0250	2.50		94.5	70-130			
o-Xylene	2.51	0.0250	2.50		100	70-130			
p,m-Xylene	5.00	0.0500	5.00		100	70-130			
Total Xylenes	7.51	0.0250	7.50		100	70-130			
Surrogate: Bromofluorobenzene	0.565		0.500		113	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.471		0.500		94.1	70-130			
Surrogate: Toluene-d8	0.522		0.500		104	70-130			

Matrix Spike (2424005-MS1) Source: E406073-21 Prepared: 06/10/24 Analyzed: 06/10/24

Benzene	2.24	0.0250	2.50	ND	89.8	48-131			
Ethylbenzene	2.39	0.0250	2.50	ND	95.6	45-135			
Toluene	2.41	0.0250	2.50	ND	96.2	48-130			
o-Xylene	2.47	0.0250	2.50	ND	98.8	43-135			
p,m-Xylene	4.93	0.0500	5.00	ND	98.6	43-135			
Total Xylenes	7.40	0.0250	7.50	ND	98.7	43-135			
Surrogate: Bromofluorobenzene	0.546		0.500		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.447		0.500		89.3	70-130			
Surrogate: Toluene-d8	0.531		0.500		106	70-130			

Matrix Spike Dup (2424005-MSD1) Source: E406073-21 Prepared: 06/10/24 Analyzed: 06/10/24

Benzene	2.32	0.0250	2.50	ND	93.0	48-131	3.50	23	
Ethylbenzene	2.46	0.0250	2.50	ND	98.5	45-135	3.01	27	
Toluene	2.46	0.0250	2.50	ND	98.5	48-130	2.40	24	
o-Xylene	2.54	0.0250	2.50	ND	102	43-135	2.73	27	
p,m-Xylene	5.05	0.0500	5.00	ND	101	43-135	2.33	27	
Total Xylenes	7.59	0.0250	7.50	ND	101	43-135	2.46	27	
Surrogate: Bromofluorobenzene	0.560		0.500		112	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.449		0.500		89.8	70-130			
Surrogate: Toluene-d8	0.533		0.500		107	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Steel Guitar 35 26 Federal Com #451H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	6/17/2024 1:21:03PM

Volatile Organics by EPA 8021B

Analyst: BA

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

Blank (2424006-BLK1) Prepared: 06/10/24 Analyzed: 06/13/24

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.18		8.00		89.8	70-130			

LCS (2424006-BS1) Prepared: 06/10/24 Analyzed: 06/13/24

Benzene	4.96	0.0250	5.00		99.2	70-130			
Ethylbenzene	4.68	0.0250	5.00		93.6	70-130			
Toluene	4.89	0.0250	5.00		97.8	70-130			
o-Xylene	4.77	0.0250	5.00		95.3	70-130			
p,m-Xylene	9.66	0.0500	10.0		96.6	70-130			
Total Xylenes	14.4	0.0250	15.0		96.2	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.35		8.00		91.9	70-130			

Matrix Spike (2424006-MS1) Source: E406073-03 Prepared: 06/10/24 Analyzed: 06/13/24

Benzene	4.95	0.0250	5.00	ND	99.0	54-133			
Ethylbenzene	4.68	0.0250	5.00	ND	93.5	61-133			
Toluene	4.88	0.0250	5.00	ND	97.7	61-130			
o-Xylene	4.77	0.0250	5.00	ND	95.3	63-131			
p,m-Xylene	9.66	0.0500	10.0	ND	96.6	63-131			
Total Xylenes	14.4	0.0250	15.0	ND	96.2	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.41		8.00		92.6	70-130			

Matrix Spike Dup (2424006-MSD1) Source: E406073-03 Prepared: 06/10/24 Analyzed: 06/13/24

Benzene	4.83	0.0250	5.00	ND	96.6	54-133	2.44	20	
Ethylbenzene	4.55	0.0250	5.00	ND	90.9	61-133	2.81	20	
Toluene	4.76	0.0250	5.00	ND	95.2	61-130	2.58	20	
o-Xylene	4.63	0.0250	5.00	ND	92.7	63-131	2.84	20	
p,m-Xylene	9.38	0.0500	10.0	ND	93.8	63-131	2.90	20	
Total Xylenes	14.0	0.0250	15.0	ND	93.4	63-131	2.88	20	
Surrogate: 4-Bromochlorobenzene-PID	7.37		8.00		92.2	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Steel Guitar 35 26 Federal Com #451H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	6/17/2024 1:21:03PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2424005-BLK1) Prepared: 06/10/24 Analyzed: 06/10/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.549		0.500		110	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.449		0.500		89.8	70-130			
Surrogate: Toluene-d8	0.524		0.500		105	70-130			

LCS (2424005-BS2) Prepared: 06/10/24 Analyzed: 06/10/24

Gasoline Range Organics (C6-C10)	56.1	20.0	50.0		112	70-130			
Surrogate: Bromofluorobenzene	0.549		0.500		110	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.455		0.500		90.9	70-130			
Surrogate: Toluene-d8	0.525		0.500		105	70-130			

Matrix Spike (2424005-MS2) Source: E406073-21 Prepared: 06/10/24 Analyzed: 06/10/24

Gasoline Range Organics (C6-C10)	56.1	20.0	50.0	ND	112	70-130			
Surrogate: Bromofluorobenzene	0.551		0.500		110	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.463		0.500		92.6	70-130			
Surrogate: Toluene-d8	0.535		0.500		107	70-130			

Matrix Spike Dup (2424005-MSD2) Source: E406073-21 Prepared: 06/10/24 Analyzed: 06/10/24

Gasoline Range Organics (C6-C10)	53.3	20.0	50.0	ND	107	70-130	5.22	20	
Surrogate: Bromofluorobenzene	0.551		0.500		110	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.472		0.500		94.3	70-130			
Surrogate: Toluene-d8	0.535		0.500		107	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Steel Guitar 35 26 Federal Com #451H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	6/17/2024 1:21:03PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2424006-BLK1) Prepared: 06/10/24 Analyzed: 06/13/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.84		8.00		111	70-130			

LCS (2424006-BS2) Prepared: 06/10/24 Analyzed: 06/13/24

Gasoline Range Organics (C6-C10)	56.2	20.0	50.0		112	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.96		8.00		112	70-130			

Matrix Spike (2424006-MS2) Source: E406073-03 Prepared: 06/10/24 Analyzed: 06/13/24

Gasoline Range Organics (C6-C10)	55.5	20.0	50.0	ND	111	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.98		8.00		112	70-130			

Matrix Spike Dup (2424006-MSD2) Source: E406073-03 Prepared: 06/10/24 Analyzed: 06/13/24

Gasoline Range Organics (C6-C10)	53.7	20.0	50.0	ND	107	70-130	3.21	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	9.00		8.00		113	70-130			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Steel Guitar 35 26 Federal Com #451H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	6/17/2024 1:21:03PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2424048-BLK1) Prepared: 06/11/24 Analyzed: 06/14/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	54.2		50.0		108	50-200			

LCS (2424048-BS1) Prepared: 06/11/24 Analyzed: 06/14/24

Diesel Range Organics (C10-C28)	297	25.0	250		119	38-132			
Surrogate: n-Nonane	55.6		50.0		111	50-200			

Matrix Spike (2424048-MS1) Source: E406073-08 Prepared: 06/11/24 Analyzed: 06/14/24

Diesel Range Organics (C10-C28)	293	25.0	250	ND	117	38-132			
Surrogate: n-Nonane	56.5		50.0		113	50-200			

Matrix Spike Dup (2424048-MSD1) Source: E406073-08 Prepared: 06/11/24 Analyzed: 06/14/24

Diesel Range Organics (C10-C28)	302	25.0	250	ND	121	38-132	2.94	20	
Surrogate: n-Nonane	40.1		50.0		80.2	50-200			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Steel Guitar 35 26 Federal Com #451H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	6/17/2024 1:21:03PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2424049-BLK1) Prepared: 06/11/24 Analyzed: 06/14/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	57.9		50.0		116	50-200			

LCS (2424049-BS1) Prepared: 06/11/24 Analyzed: 06/14/24

Diesel Range Organics (C10-C28)	306	25.0	250		123	38-132			
Surrogate: n-Nonane	58.1		50.0		116	50-200			

Matrix Spike (2424049-MS1) Source: E406073-24 Prepared: 06/11/24 Analyzed: 06/14/24

Diesel Range Organics (C10-C28)	297	25.0	250	ND	119	38-132			
Surrogate: n-Nonane	56.2		50.0		112	50-200			

Matrix Spike Dup (2424049-MSD1) Source: E406073-24 Prepared: 06/11/24 Analyzed: 06/14/24

Diesel Range Organics (C10-C28)	293	25.0	250	ND	117	38-132	1.35	20	
Surrogate: n-Nonane	55.9		50.0		112	50-200			



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Steel Guitar 35 26 Federal Com #451H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	6/17/2024 1:21:03PM

Anions by EPA 300.0/9056A

Analyst: WF

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

Blank (2424040-BLK1)					Prepared: 06/11/24 Analyzed: 06/11/24				
Chloride	ND	20.0							
LCS (2424040-BS1)					Prepared: 06/11/24 Analyzed: 06/11/24				
Chloride	251	20.0	250		100	90-110			
Matrix Spike (2424040-MS1)					Source: E406073-03		Prepared: 06/11/24 Analyzed: 06/11/24		
Chloride	428	20.0	250	174	102	80-120			
Matrix Spike Dup (2424040-MSD1)					Source: E406073-03		Prepared: 06/11/24 Analyzed: 06/11/24		
Chloride	434	20.0	250	174	104	80-120	1.26	20	



QC Summary Data

Devon Energy - Carlsbad	Project Name:	Steel Guitar 35 26 Federal Com #451H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	6/17/2024 1:21:03PM

Anions by EPA 300.0/9056A

Analyst: WF

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

Blank (2424044-BLK1)					Prepared: 06/11/24 Analyzed: 06/11/24				
Chloride	ND	20.0							
LCS (2424044-BS1)					Prepared: 06/11/24 Analyzed: 06/12/24				
Chloride	250	20.0	250		100	90-110			
Matrix Spike (2424044-MS1)					Source: E406073-23		Prepared: 06/11/24 Analyzed: 06/12/24		
Chloride	380	20.0	250	127	101	80-120			
Matrix Spike Dup (2424044-MSD1)					Source: E406073-23		Prepared: 06/11/24 Analyzed: 06/12/24		
Chloride	376	20.0	250	127	99.7	80-120	1.12	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:	Steel Guitar 35 26 Federal Com #451H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	06/17/24 13:21

- 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.



Chain of Custody

Client Information				Invoice Information		Lab Use Only		TAT				State					
Client: Devon				Company: Devon		Lab WO#		1D 2D 3D Std				NM CO UT TX					
Project: Steel Guitar 35 26 Federal Com #451H				Address: 205 E Bender Road #150		Job Number						X					
Project Manager: Ashley Giovengo				City, State, Zip: Hobbs NM, 88240		E 400073 01058-0007											
Address: 3122 National Parks Hwy				Phone: (575)748-1838													
City, State, Zip: Carlsbad NM, 88220				Email: dale.woodall@dvn.com													
Phone: 575-988-0055				Miscellaneous: Dale Woodall													
Email: agiovengo@ensolum.com																	
Sample Information						Analysis and Method								EPA Program			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA
11:16	6/6/2024	Soil	1	FS11 - 1.5'		1						X					
10:19	6/6/2024	Soil	1	FS12 - 1'		2						X					
9:56	6/6/2024	Soil	1	FS13 - 1'		3						X					
11:17	6/6/2024	Soil	1	FS14 - 1.5'		4						X					
9:45	6/6/2024	Soil	1	FS15 - 1'		5						X					
9:46	6/6/2024	Soil	1	FS16 - 1'		6						X					
10:13	6/6/2024	Soil	1	FS17 - 1'		7						X					
10:12	6/6/2024	Soil	1	FS18 - 1'		8						X					
10:01	6/6/2024	Soil	1	FS23 - 1'		9						X					
9:47	6/6/2024	Soil	1	FS24 - 1'		10						X					
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, dale.woodall@dvn.com, chamilton@ensolum.com, iestrella@ensolum.com																	
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																	
Sampled by: Cole Burton																	
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.									
C. Burton		6-7-24	7:30	Michelle Gonzales		6-7-24	1000										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only									
Michelle Cyle		6-7-24	1800	788		6-7-24	1800	Received on ice: Y / N									
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 T2 T3									
788		6-8-24	200	Dana Lehman		6/10/24	6:15										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	AVG Temp °C									
								4									
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																	
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																	
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																	



Chain of Custody

Page 2 of 3

Client Information				Invoice Information				Lab Use Only				TAT				State			
Client: Devon				Company: Devon				Lab WO#		Job Number		1D	2D	3D	Std	NM	CO	UT	TX
Project: Steel Guitar 35 26 Federal Com #451H				Address: 205 E Bender Road #150				E 406033		010590007					x	x			
Project Manager: Ashley Giovengo				City, State, Zip: Hobbs NM, 88240															
Address: 3122 National Parks Hwy				Phone: (575)748-1838															
City, State, Zip: Carlsbad NM, 88220				Email: dale.woodall@dvn.com															
Phone: 575-988-0055				Miscellaneous: Dale Woodall															
Email: agiovengo@ensolum.com																			
Sample Information												Analysis and Method				EPA Program			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA		
9:51	6/6/2024	Soil	1	FS25 - 1'		11						X							
9:53	6/6/2024	Soil	1	FS28 - 1'		12						X							
11:19	6/6/2024	Soil	1	FS29 - 1'		13						X							
11:38	6/6/2024	Soil	1	FS30 - 1'		14						X							
11:23	6/6/2024	Soil	1	FS31 - 1'		15						X							
11:21	6/6/2024	Soil	1	FS32 - 1'		16						X							
11:40	6/6/2024	Soil	1	FS33 - 1'		17						X							
11:37	6/6/2024	Soil	1	FS34 - 1'		18						X							
11:31	6/6/2024	Soil	1	FS35 - 1'		19						X							
11:29	6/6/2024	Soil	1	FS36 - 1'		20						X							
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, dale.woodall@dvn.com, chamilton@ensolum.com, iestrella@ensolum.com																			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																			
Sampled by: Cole Burton																			
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days Lab Use Only Received on ice: <u>Y</u> / N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>											
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time												
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time												
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time												
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other												Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA							
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			



Chain of Custody

Client Information				Invoice Information		Lab Use Only		TAT		State							
Client: Devon				Company: Devon		Lab WO#		1D 2D 3D Std		NM CO UT TX							
Project: Steel Guitar 35 26 Federal Com #451H				Address: 205 E Bender Road #150		E 404073		Job Number 010580007		x							
Project Manager: Ashley Giovengo				City, State, Zip: Hobbs NM, 88240													
Address: 3122 National Parks Hwy				Phone: (575)748-1838													
City, State, Zip: Carlsbad NM, 88220				Email: dale.woodall@dvn.com													
Phone: 575-988-0055				Miscellaneous: Dale Woodall													
Email: agiovengo@ensolum.com																	
Sample Information						Analysis and Method						EPA Program					
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals	SDWA	CWA	RCRA
11:26	6/6/2024	Soil	1	FS37 - 1'		21						X					
11:35	6/6/2024	Soil	1	FS38 - 1'		22						X					
13:25	6/6/2024	Soil	1	FS39 - 1'		23						X					
13:24	6/6/2024	Soil	1	FS40 - 1'		24						X					
12:32	6/6/2024	Soil	1	SW01 - 0-1'		25						X					
12:35	6/6/2024	Soil	1	SW02 - 0-1'		26						X					
12:37	6/6/2024	Soil	1	SW03 - 0-1'		27						X					
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, dale.woodall@dvn.com, chamilton@ensolum.com, iestrella@ensolum.com																	
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																	
Sampled by: Cole Burton																	
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days Lab Use Only Received on ice: Y / N T1 T2 T3 AVG Temp °C 4									
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time										
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																	
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																	
Note: Samples are discarded 14 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																	



Envirotech Analytical Laboratory

Printed: 6/10/2024 9:03:10AM

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:	06/10/24 06:15	Work Order ID:	E406073
Phone:	(505) 382-1211	Date Logged In:	06/10/24 07:12	Logged In By:	Raina Schwanz
Email:	ashley.giovengo@wescominc.com	Due Date:	06/14/24 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/Resolution

Sampler is listed on COC, but not on the samples.

Sample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.



APPENDIX E

NMOCD Notifications

From: [Hamlet, Robert, EMNRD](#)
To: [Raley, Jim](#)
Cc: [Cole Burton](#); [Ashley Giovengo](#); [Bratcher, Michael, EMNRD](#); [Wells, Shelly, EMNRD](#); [Velez, Nelson, EMNRD](#)
Subject: Extension Request Steel Guitar nAPP2325449295
Date: Tuesday, March 5, 2024 9:42:22 AM
Attachments: [image003.png](#)

[**EXTERNAL EMAIL**]

RE: Incident #**NAPP2325449295**

Jim,

Your request for a 90-day extension to **June 3rd, 2024**, is approved. Please include this e-mail correspondence in the remediation and/or closure report.

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



From: Raley, Jim <Jim.Raley@dvn.com>
Sent: Tuesday, March 5, 2024 7:28 AM
To: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Cc: Cole Burton <cburton@ensolum.com>; Ashley Giovengo <agiovengo@ensolum.com>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>; Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Subject: RE: [EXTERNAL] Extension Request Steel Guitar nAPP2325449295

Robert,

We still have a rig in place on this pad. The schedule shows the rig released in late April, followed by completions. We plan to begin remediation as soon as the area is clear.

WPX respectfully asks for a 90 day extension on incident nAPP2325449295

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



From: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Sent: Tuesday, November 28, 2023 2:38 PM
To: Raley, Jim <Jim.Raley@dyn.com>
Cc: Cole Burton <cburton@ensolum.com>; Ashley Giovengo <agiovengo@ensolum.com>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>; Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Subject: RE: [EXTERNAL] Extension Request Steel Guitar nAPP2325449295

RE: Incident #NAPP2325449295

Jim,

Your request for an extension to **March 8th, 2024** is approved. Please include this e-mail correspondence in the remediation and/or closure report.

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



From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Tuesday, November 28, 2023 11:22 AM
To: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Subject: FW: [EXTERNAL] Extension Request Steel Guitar nAPP2325449295

From: Raley, Jim <Jim.Raley@dyn.com>
Sent: Tuesday, November 28, 2023 10:44 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Cole Burton <cburton@ensolum.com>; Ashley Giovengo <agiovengo@ensolum.com>
Subject: [EXTERNAL] Extension Request Steel Guitar nAPP2325449295

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

links or opening attachments.

NMOCD District II,

WPX Energy respectfully asks for a 90 day extension on incident nAPP2325449295. This incident occurred on 9/9/2023 - Piping on sand knockout washed out and released 23 bbls produced water to pad surface. 7 bbls recovered.

This is a newer multi-well pad and a drilling rig has moved on to the location. We are unable to proceed with full remediation till drilling operations are completed. We plan on resuming remediation activities as soon as access is available.

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



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From: [Hamlet, Robert, EMNRD](#)
To: [Raley, Jim](#)
Cc: [Cole Burton](#); [Ashley Giovengo](#); [Bratcher, Michael, EMNRD](#); [Wells, Shelly, EMNRD](#); [Velez, Nelson, EMNRD](#)
Subject: (Final Extension) - Steel Guitar nAPP2325449295
Date: Monday, May 20, 2024 10:07:57 AM
Attachments: [image003.png](#)

[**EXTERNAL EMAIL**]

RE: Incident #**NAPP2325449295**

Jim,

Your request for a 90 day extension to **August 19th, 2024** is approved. This will be the **final extension** for this release. Please include this e-mail correspondence in the remediation and/or closure report.

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



From: Raley, Jim <Jim.Raley@dvn.com>
Sent: Monday, May 20, 2024 8:49 AM
To: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Cc: Cole Burton <cburton@ensolum.com>; Ashley Giovengo <agiovengo@ensolum.com>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>; Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Subject: RE: [EXTERNAL] Extension Request Steel Guitar nAPP2325449295

Robert,

We have had to ask for extensions on incident nAPP2325449295 due to a drilling rig being on location not allowing access to remediate this on-pad cleanup. We finally got the rig moved off location and we plan on starting as soon as the location is ready.

Due to the delay in remediation caused by a rig on location WPX Energy respectfully asks for a 90 day extension to complete this remediation project.

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



From: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Sent: Tuesday, March 5, 2024 9:42 AM
To: Raley, Jim <Jim.Raley@dvn.com>
Cc: Cole Burton <cburton@ensolum.com>; Ashley Giovengo <agiovengo@ensolum.com>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>; Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Subject: [EXTERNAL] Extension Request Steel Guitar nAPP2325449295

RE: Incident #**NAPP2325449295**

Jim,

Your request for a 90-day extension to **June 3rd, 2024**, is approved. Please include this e-mail correspondence in the remediation and/or closure report.

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



From: Raley, Jim <Jim.Raley@dvn.com>
Sent: Tuesday, March 5, 2024 7:28 AM
To: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>
Cc: Cole Burton <cburton@ensolum.com>; Ashley Giovengo <agiovengo@ensolum.com>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>; Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Subject: RE: [EXTERNAL] Extension Request Steel Guitar nAPP2325449295

Robert,

We still have a rig in place on this pad. The schedule shows the rig released in late April, followed by

completions. We plan to begin remediation as soon as the area is clear.

WPX respectfully asks for a 90 day extension on incident nAPP2325449295

Jim Raley | Environmental Professional - Permian Basin

5315 Buena Vista Dr., Carlsbad, NM 88220

C: (575)689-7597 | jim.raley@devon.com



From: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>

Sent: Tuesday, November 28, 2023 2:38 PM

To: Raley, Jim <Jim.Raley@devon.com>

Cc: Cole Burton <cburton@ensolum.com>; Ashley Giovengo <agiovengo@ensolum.com>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>; Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>

Subject: RE: [EXTERNAL] Extension Request Steel Guitar nAPP2325449295

RE: Incident #**NAPP2325449295**

Jim,

Your request for an extension to **March 8th, 2024** is approved. Please include this e-mail correspondence in the remediation and/or closure report.

Robert Hamlet • Environmental Specialist - Advanced

Environmental Bureau

EMNRD - Oil Conservation Division

506 W. Texas Ave. | Artesia, NM 88210

575.909.0302 | robert.hamlet@state.nm.us

<http://www.emnrd.state.nm.us/OCD/>



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

Sent: Tuesday, November 28, 2023 11:22 AM

To: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>

Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>

Subject: FW: [EXTERNAL] Extension Request Steel Guitar nAPP2325449295

From: Raley, Jim <Jim.Raley@dvn.com>
Sent: Tuesday, November 28, 2023 10:44 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Cole Burton <cburton@ensolum.com>; Ashley Giovengo <agiovengo@ensolum.com>
Subject: [EXTERNAL] Extension Request Steel Guitar nAPP2325449295

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NMOCD District II,

WPX Energy respectfully asks for a 90 day extension on incident nAPP2325449295. This incident occurred on 9/9/2023 - Piping on sand knockout washed out and released 23 bbls produced water to pad surface. 7 bbls recovered.

This is a newer multi-well pad and a drilling rig has moved on to the location. We are unable to proceed with full remediation till drilling operations are completed. We plan on resuming remediation activities as soon as access is available.

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



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District I

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

District II

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

District III

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

District IV

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

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

QUESTIONS

Action 350347

QUESTIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 350347
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2325449295
Incident Name	NAPP2325449295 STEEL GUITAR 35 26 FEDERAL COM #451H @ 30-015-49377
Incident Type	Produced Water Release
Incident Status	Initial C-141 Received
Incident Well	[30-015-49377] STEEL GUITAR 35 26 FEDERAL COM #451H

Location of Release Source

Site Name	STEEL GUITAR 35 26 FEDERAL COM #451H
Date Release Discovered	09/09/2023
Surface Owner	Federal

Sampling Event General Information*Please answer all the questions in this group.*

What is the sampling surface area in square feet	6,923
What is the estimated number of samples that will be gathered	40
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/05/2024
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Cole Burton Project Manager 575-706-5056
Please provide any information necessary for navigation to sampling site	C-26-26S-29E (32.0186081, -103.9568921)

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
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Phone:(575) 748-1283 Fax:(575) 748-9720
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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 350347

CONDITIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 350347
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jraleay	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	6/3/2024

District I

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

District II

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

District III

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

District IV

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

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

QUESTIONS

Action 350349

QUESTIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 350349
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2325449295
Incident Name	NAPP2325449295 STEEL GUITAR 35 26 FEDERAL COM #451H @ 30-015-49377
Incident Type	Produced Water Release
Incident Status	Initial C-141 Received
Incident Well	[30-015-49377] STEEL GUITAR 35 26 FEDERAL COM #451H

Location of Release Source

Site Name	STEEL GUITAR 35 26 FEDERAL COM #451H
Date Release Discovered	09/09/2023
Surface Owner	Federal

Sampling Event General Information*Please answer all the questions in this group.*

What is the sampling surface area in square feet	6,923
What is the estimated number of samples that will be gathered	40
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/06/2023
Time sampling will commence	09:00 AM

Warning: Notification can not be less than two business days prior to conducting final sampling.

Please provide any information necessary for observers to contact samplers	Cole Burton Project Manager 575-706-5056
Please provide any information necessary for navigation to sampling site	C-26-26S-29E (32.0186081, -103.9568921)

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
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State of New Mexico
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1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 350349

CONDITIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 350349
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jraleay	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	6/3/2024

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

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

District IV

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

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1220 S. St Francis Dr.
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QUESTIONS

Action 350350

QUESTIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 350350
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2325449295
Incident Name	NAPP2325449295 STEEL GUITAR 35 26 FEDERAL COM #451H @ 30-015-49377
Incident Type	Produced Water Release
Incident Status	Initial C-141 Received
Incident Well	[30-015-49377] STEEL GUITAR 35 26 FEDERAL COM #451H

Location of Release Source

Site Name	STEEL GUITAR 35 26 FEDERAL COM #451H
Date Release Discovered	09/09/2023
Surface Owner	Federal

Sampling Event General Information*Please answer all the questions in this group.*

What is the sampling surface area in square feet	6,923
What is the estimated number of samples that will be gathered	40
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/07/2024
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Cole Burton Project Manager 575-706-5056
Please provide any information necessary for navigation to sampling site	C-26-26S-29E (32.0186081, -103.9568921)

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CONDITIONS

Action 350350

CONDITIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 350350
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jraleay	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	6/3/2024

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Santa Fe, NM 87505

QUESTIONS

Action 357724

QUESTIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID:
	246289
	Action Number:
	357724
Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2325449295
Incident Name	NAPP2325449295 STEEL GUITAR 35 26 FEDERAL COM #451H @ 30-015-49377
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-015-49377] STEEL GUITAR 35 26 FEDERAL COM #451H

Location of Release Source	
Please answer all the questions in this group.	
Site Name	STEEL GUITAR 35 26 FEDERAL COM #451H
Date Release Discovered	09/09/2023
Surface Owner	Federal

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure Well Produced Water Released: 23 BBL Recovered: 7 BBL Lost: 16 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 357724

QUESTIONS (continued)

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID:	246289
	Action Number:	357724
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS**Nature and Volume of Release (continued)**

Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	<i>Unavailable.</i>

With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.

Initial Response

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

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	<i>Not answered.</i>

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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

I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dmn.com Date: 06/26/2024
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Energy, Minerals and Natural Resources
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Santa Fe, NM 87505

QUESTIONS, Page 3

Action 357724

QUESTIONS (continued)

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 357724
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS**Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	U.S. Geological Survey
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 100 and 200 (ft.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1000 (ft.) and ½ (mi.)
Any other fresh water well or spring	Between 1000 (ft.) and ½ (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between ½ and 1 (mi.)
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride	(EPA 300.0 or SM4500 Cl B)	12000
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	21893
GRO+DRO	(EPA SW-846 Method 8015M)	18423
BTEX	(EPA SW-846 Method 8021B or 8260B)	0.6
Benzene	(EPA SW-846 Method 8021B or 8260B)	0

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

On what estimated date will the remediation commence	06/05/2024
On what date will (or did) the final sampling or liner inspection occur	06/06/2024
On what date will (or was) the remediation complete(d)	06/06/2024
What is the estimated surface area (in square feet) that will be reclaimed	6923
What is the estimated volume (in cubic yards) that will be reclaimed	320
What is the estimated surface area (in square feet) that will be remediated	6923
What is the estimated volume (in cubic yards) that will be remediated	320

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

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

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1625 N. French Dr., Hobbs, NM 88240
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QUESTIONS, Page 4

Action 357724

QUESTIONS (continued)

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID:	246289
	Action Number:	357724
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	Not answered.
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Yes
In which state is the disposal taking place	Texas
What is the name of the out-of-state facility	R360
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dv.com Date: 06/26/2024
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 357724

QUESTIONS (continued)

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 357724
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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Energy, Minerals and Natural Resources
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Santa Fe, NM 87505

QUESTIONS, Page 6

Action 357724

QUESTIONS (continued)

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID:
	246289
	Action Number:
	357724
Action Type:	
[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	350350
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/07/2024
What was the (estimated) number of samples that were to be gathered	40
What was the sampling surface area in square feet	6923

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	6923
What was the total volume (cubic yards) remediated	320
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	6923
What was the total volume (in cubic yards) reclaimed	320
Summarize any additional remediation activities not included by answers (above)	Spill remediated.

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

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

I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dmn.com Date: 06/26/2024
--	--

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QUESTIONS, Page 7

Action 357724

QUESTIONS (continued)

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 357724
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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CONDITIONS

Action 357724

CONDITIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 357724
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
scwells	None	7/3/2024