

January 7, 2025

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

Re: Deferral Request LVP SWD #001

Incident Number nAPP2422877091

**Eddy County, New Mexico** 

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of Devon Energy Production Company, LP (Devon), has prepared this *Deferral Request* to document assessment and soil sampling activities at the LVP SWD #001 (Site) in Unit I, Section 4, Township 23 South, Range 28 East, in Eddy County, New Mexico (Figure 1). The Site (32.3330917°, -104.0850372°) is associated with oil and gas exploration and production operations on Private Land.

The purpose of the Site assessment and soil sampling activities was to assess for the presence or absence of impacts to soil following a release of produced water within a lined tank battery containment at the Site. Based on field observations, field screening activities, and soil sample laboratory analytical results, Devon is submitting this *Deferral Request*, describing Site assessment, delineation and excavation activities that have occurred to date and requesting deferral of final remediation for Incident Number nAPP2422877091 until the Site is reconstructed and/or the well pad is abandoned.

### **BACKGROUND**

On August 15, 2024, the inlet Enardo failed, resulting in the release of approximately 361 barrels (bbls) of produced water into the lined tank battery containment. A vacuum truck was immediately dispatched to the Site to recover free-standing fluids; 360 bbls of produced water were recovered from within the lined containment. Overspray from the release impacted two small areas on the north and south sides of the tank containment approximately 509 square feet and 163 square feet in size, respectively. A 48-hour advance notice of liner inspection was provided via email to the New Mexico Oil Conservation Division (NMOCD) District II Office. A liner integrity inspection was conducted by Ensolum personnel following fluid recovery. Upon inspection, the liner was determined to be intact and had the ability to contain the release in question. Devon reported the release to the NMOCD via email on August 15, 2024, and submitted a Release Notification Form C-141 (Form C-141) on August 22, 2024. The release was assigned Incident Number nAPP2422877091.

### 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, Section 12 (19.15.29.12) of the New Mexico Administrative

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Code (NMAC). Results from the characterization desktop review are presented on page 3 of the Form C-141, Site Assessment/Characterization. Potential Site receptors are identified on Figure 1.

Depth to groundwater at the Site is estimated to be 38 feet below ground surface (bgs) based on groundwater depth measurement of a nearby water well. On July 16, 2021, a soil boring, New Mexico Office of the State Engineer (NMOSE) file number C-04415 POD7 was drilled nearly 0.3 miles west of the Site. Soil boring C-04415 POD7 was drilled to a depth of 55 feet bgs. Depth to groundwater was confirmed at 38 feet bgs as indicated on the NMOSE *Point of Diversion Summary* form. The Well Record and Log is included in Appendix B.

The closest continuously flowing or significant watercourse to the Site is an intermittent dry wash, located approximately 528 feet southeast 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 AND DELINEATION SOIL SAMPLING ACTIVITIES

On August 22, 2024, Ensolum personnel visited the Site to evaluate the release extent and to collect lateral delineation sample SS02 at ground surface. Ensolum personnel returned to the Site on September 12, 2024, to collect lateral delineation soil samples SS01, SS03 through SS08, SS08A, SS08B, SS09, SS10, SS10A, and SS10B at ground surface; Delineation soil samples SS08A, SS08B, SS10A and SS10B were advanced to a depth of 1-foot bgs via hand auger. The soil samples were field screened for chloride using Hatch® chloride QuanTab® strips and for TPH utilizing a PetroFLAG® soil analyzer system. A liner integrity inspection was conducted on September 20, 2024, and the liner was found to be intact. Three boreholes BH01 through BH03 were advanced via hand auger within the release extent, outside of the lined containment, to a depth of 2 feet bgs in boreholes BH01 and BH03 and 1.5 feet bgs in borehole BH02 to verify the vertical extent of impacted soil. The soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted in Figure 2. Photographic documentation was completed during the Site visit and a photographic log is included as Appendix B.

The soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were transported under strict chain-of-custody procedures to Envirotech Analytical 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 Standard Method SM4500.



Ensolum personnel returned to the Site on October 10, 2024, to advance lateral delineation soil sample locations SS08A, SS10 and SS10A to a depth of 3 feet bgs. Borehole BH01 was advanced to a depth of 4 feet bgs, borehole BH02 was advanced to a depth of 3 feet bgs, and borehole BH03 was advanced to a depth of 4.5 feet bgs via 41-millimeter (mm) Shaw portable core drill. Discrete delineation soil samples were field screened and analyzed in the same manner previously described. Field screening results and observations from the boreholes were logged on lithologic/soil sampling logs, which are included in Appendix C.

### LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for lateral delineation soil samples SS01 through SS08, SS08B, SS09, SS10A, and SS10B, collected at ground surface, indicated all COC concentrations were compliant with Site Closure Criteria. Laboratory analytical results indicated COC concentrations were in compliance with the Site Closure Criteria at a depth of 1-foot bgs in sample locations SS05 through SS08. Chloride concentrations exceeded the Site Closure Criteria from ground surface to 3 feet bgs in sample locations SS08A and SS10A and at ground surface in sample location SS10.

Laboratory analytical results for the vertical delineation soil samples collected from borehole BH01 indicated chloride concentrations exceeded the Site Closure Criteria at depths ranging from ground surface to 2 feet bgs. Subsequent delineation borehole BH02 indicated chloride concentrations exceeded the Site Closure Criteria at depths ranging from ground surface to 3 feet bgs and laboratory analytical results from delineation borehole BH03 indicated chloride concentrations exceeded the Site Closure Criteria at depths ranging from ground surface to 4 feet bgs. Based on laboratory analytical results, excavation of the impacted areas on the north and south sides of the tank containment was necessary. Laboratory analytical results are summarized in Table 1 and the complete laboratory analytical reports are included as Appendix D.

### **EXCAVATION ACTIVITIES**

Beginning on December 5, 2024, Ensolum personnel oversaw the excavation of impacted soil from the release areas on the north and south sides of the tank battery containment. Excavation activities were performed utilizing a backhoe to depths ranging from ground surface to 4.5 feet bgs. To direct excavation activities, soil was field screened for chloride as previously described above. Photographic documentation is included in Appendix B.

Following removal of impacted soil, 5-point composite soil samples were collected every 200 square feet from the floor of the excavation. The 5-point composite soil 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 FS07) were collected from the floors of the excavations and sidewall soil samples (SW01 through SW05) were collected from the outside walls of the excavation and against the lined tank containment at depths ranging from ground surface to 4 feet bgs. The soil samples were handled and analyzed as previously described. The excavation extents and excavation soil sample locations were mapped utilizing a handheld GPS unit and are depicted on Figure 3.

A total of approximately 337 cubic yards of soil were removed during excavation activities. The impacted soil was transported and properly disposed of at the R360 Disposal Facility in Hobbs, New Mexico.

### LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for the excavation floor soil sample FS01 was collected at 4.5 feet bgs, FS02 was collected at 4.25 feet bgs, FS03, FS04, and FS05 were collected at 4 feet bgs, FS06 and



FS07 were collected at 3 feet bgs and sidewall soil samples SW01 through SW05 were collected from ground surface to 4 feet bgs. These samples results indicated all COC concentrations were compliant with the Site Closure Criteria except sidewall samples SW02 and SW03. Laboratory analytical results are summarized in Table 2 and the complete laboratory analytical reports are included as Appendix D.

### **DEFERRAL REQUEST**

Devon is requesting a deferral of final remediation due to the presence of active production equipment and surface pipelines within the lined containment. Impacted soil is limited to the area immediately beneath the lined containment and active production equipment, where remediation would require a major facility deconstruction.

Impacted soil remaining in place beneath the liner, which is delineated vertically by nearby confirmation soil samples FS01, FS02, collected depths ranging from 4 through 4.5 feet bgs, and laterally by delineation soil samples SS01 through SS04, collected at the ground level. Laboratory analytical results from sidewall soil samples SW01 and SW02 confirm the presence of chloride containing soil is limited to beneath the lined tank battery containment. If taking the full footprint of the tank battery in consideration for contaminated soil, approximately 1,056 cubic yards of chloride impacted soil remains in place beneath the containment liner based on a maximum depth of 4.5-foot depth determined through delineation and confirmation soil sampling. The impacted soil volume estimate includes waste-containing soil volumes to be addressed through reconstruction of the containment or final pad reclamation.

Devon does not believe deferment will result in imminent risk to human health, the environment, or groundwater. Depth to groundwater was determined to be 38 feet bgs, and the impacted soil remaining in place is limited to the area immediately beneath the liner. The liner has been repaired by Devon and will restrict future vertical migration of residual impacts and any interactions with humans and/or wildlife.

Based on the presence of active production equipment within the release area and the complete lateral and vertical delineation of impacted soil remaining in place, Devon requests deferral of final remediation for Incident Number nAPP2422877091 until final reclamation of the well pad or major construction, whichever comes first. Remedial actions completed to date have been protective of human health, the environment, and groundwater and deferment of impacted soil beneath the lined containment appears to be equally protective and warranting deferment. Notifications submitted to the NMOCD are included in Appendix F.

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

Sincerely, **Ensolum, LLC** 

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

cc: Jim Raley, Devon



### Appendices:

Figure 1 Site Receptor Map

Figure 2 Delineation Soil Sample Locations Figure 3 Excavation Soil Sample Locations

Figure 4 Area of Requested Deferral

Table 1 Delineation Soil Sample Analytical Results
Table 2 Confirmation Soil Sample Analytical Results

Appendix A Reference Wells

Appendix B Photographic Log Lithologic Soil Sampling Logs

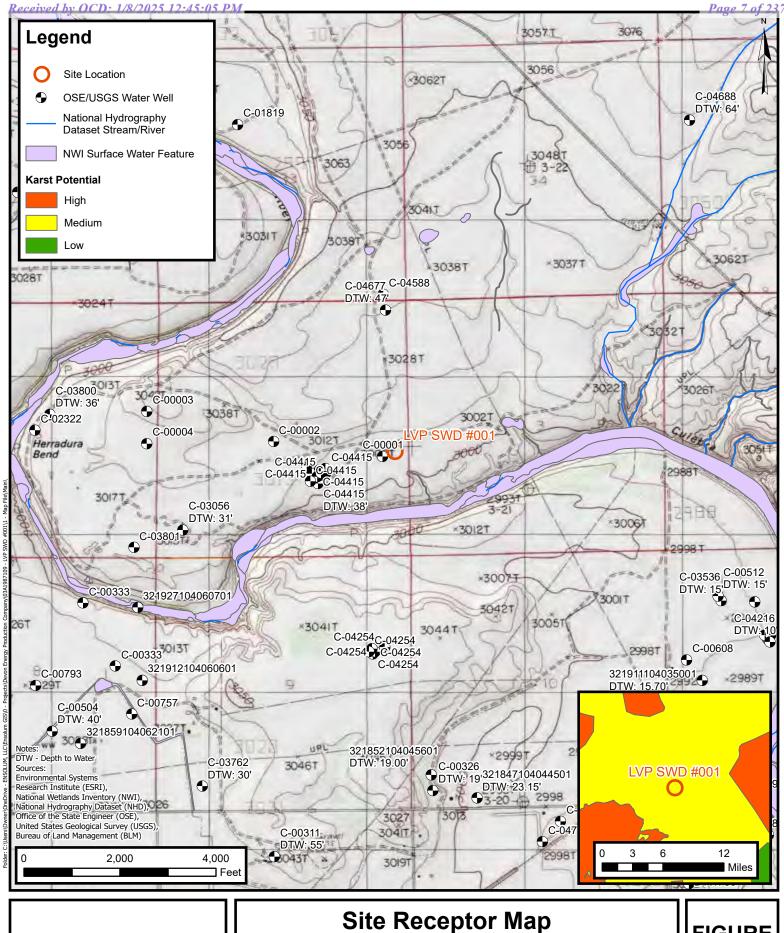
Appendix C Lithologic Soil Sampling Logs

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

Appendix E NMOCD Correspondence



**FIGURES** 



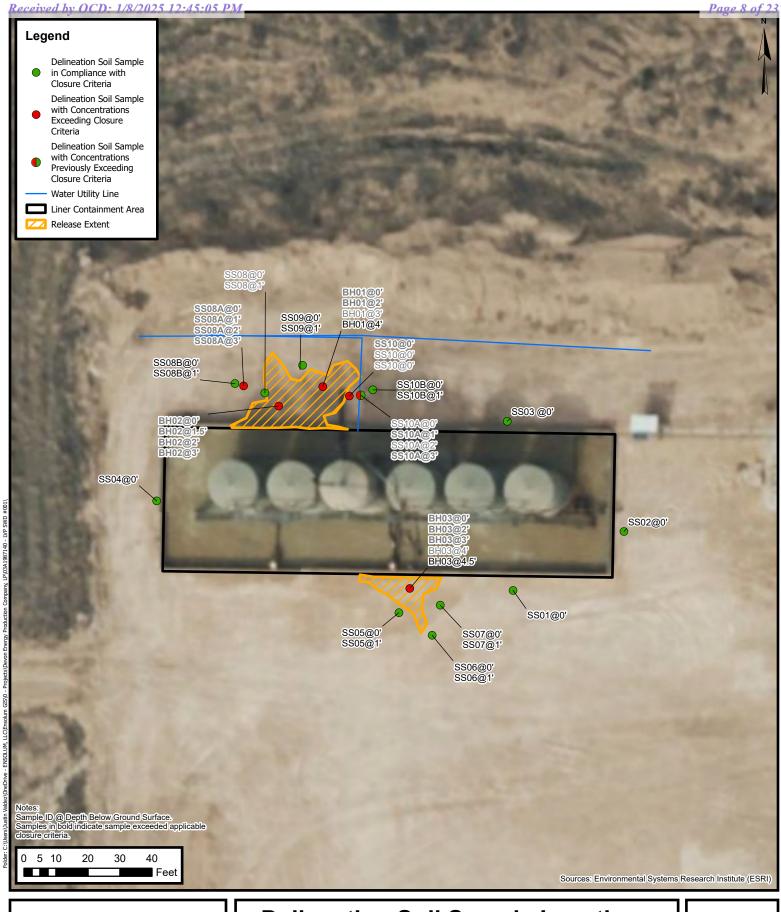


## **Site Receptor Map**

Devon Energy Production Company, LP LVP SWD #001 Incident Number: nAPP2422877091 Unit I, Section 04, T 23S, R 28E Eddy County, New Mexico

**FIGURE** 

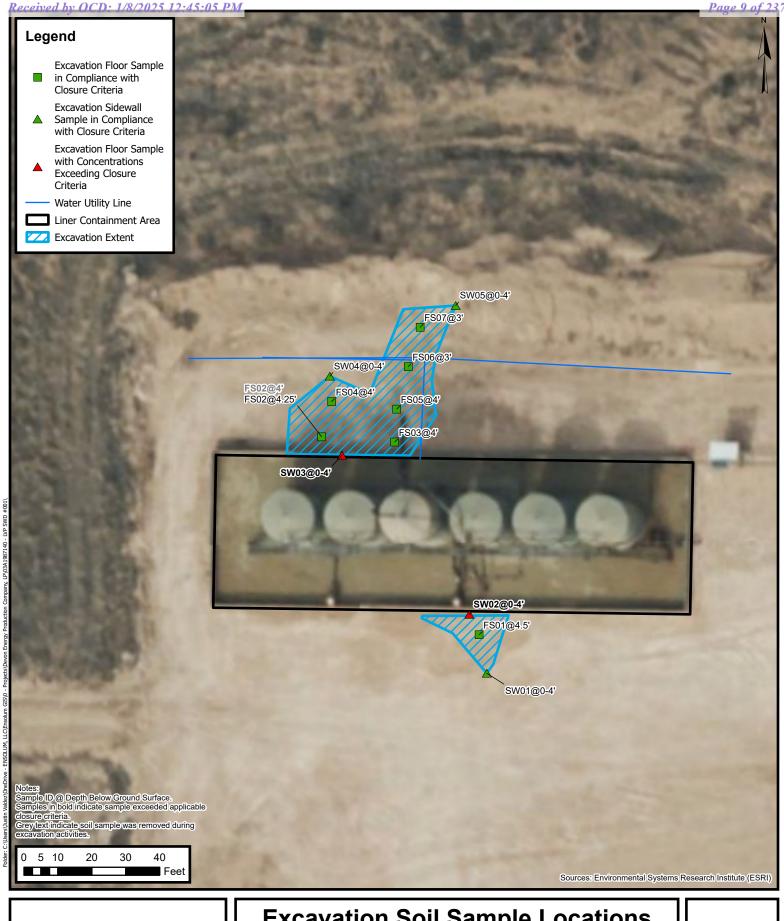
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## **Delineation Soil Sample Locations**

Devon Energy Production Company, LP LVP SWD #001 Incident Number: nAPP2422877091 Unit I, Section 04, T 23S, R 28E Eddy County, New Mexico FIGURE 2

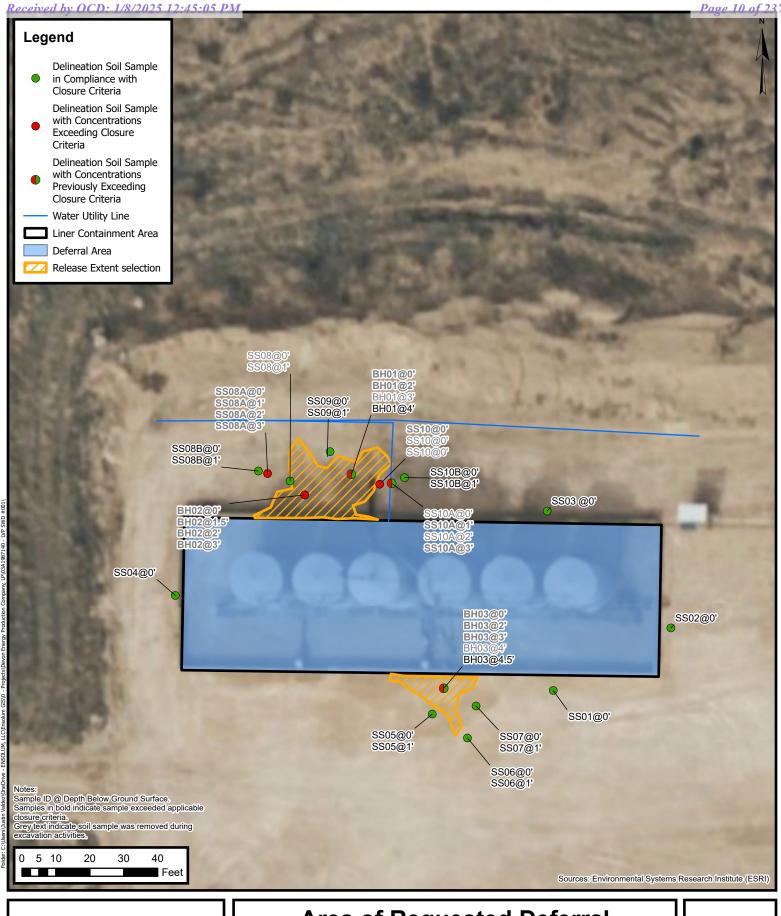




## **Excavation Soil Sample Locations**

Devon Energy Production Company, LP LVP SWD #001 Incident Number: nAPP2422877091 Unit I, Section 04, T 23S, R 28E Eddy County, New Mexico

**FIGURE** 3





## **Area of Requested Deferral**

Devon Energy Production Company, LP LVP SWD #001 Incident Number: nAPP2422877091 Unit I, Section 04, T 23S, R 28E Eddy County, New Mexico FIGURE 4

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**TABLES** 



### TABLE 1 **SOIL SAMPLE ANALYTICAL RESULTS LVP SWD #001 Devon Energy Production Company. LP**

Devon Energy Production Company, LP  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	
				Delin	eation Soil San	nples					
SS01	9/12/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	388	
SS02	8/22/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	86.6	
SS03	9/12/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	40.9	
SS04	9/12/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	139	
SS05	9/12/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	141	
SS05	9/12/2024	1	< 0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	242	
SS06	9/12/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	40.8	
SS06	9/12/2024	1	< 0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	329	
SS07	9/12/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	122	
SS07	9/12/2024	1	< 0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	345	
SS08	9/12/2024	0	< 0.0250	< 0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	215	
SS08	9/12/2024	1	< 0.0250	< 0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	533	
SS08A	9/12/2024	0	< 0.0250	< 0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	664	
SS08A	9/12/2024	1	< 0.0250	< 0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	637	
SS08A	10/10/2024	2	< 0.0250	< 0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	708	
SS08A	10/10/2024	3	< 0.0250	< 0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	830	
SS08B	9/12/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	194	
SS08B	9/12/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	522	
SS09	9/12/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0	
SS09	9/12/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	227	
SS10	9/12/2024	0	< 0.0250	< 0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	816	
SS10	10/10/2024	2	< 0.0250	< 0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	522	
SS10	10/10/2024	3	< 0.0250	< 0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	321	
SS10A	9/12/2024	0	< 0.0250	< 0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	333	
SS10A	9/12/2024	1	< 0.0250	< 0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	929	
SS10A	10/10/2024	2	< 0.0250	< 0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	319	
SS10A	10/10/2024	3	<0.0250	< 0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	673	
SS10B	9/12/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0	
SS10B	9/12/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	461	



### TABLE 1 - CONT'D

### **SOIL SAMPLE ANALYTICAL RESULTS**

**LVP SWD #001** 

**Devon Energy Production Company, LP** 

				Eddy	y County, New N	lexico				
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
				Delir	neation Soil Sa	mples	<u>'</u>	<u>'</u>		
BH01	9/20/2024	0	< 0.0250	< 0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	13,600
BH01	9/20/2024	2	< 0.0250	< 0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,520
BH01	10/10/2024	3	< 0.0250	< 0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	409
BH01	10/10/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	189
BH02	9/20/2024	0	< 0.0250	< 0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	15,700
BH02	9/20/2024	1.5	< 0.0250	< 0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	10,400
BH02	10/10/2024	2	< 0.0250	< 0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,330
BH02	10/10/2024	3	< 0.0250	< 0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,200
BH03	9/20/2024	0	< 0.0250	< 0.0500	<20.0	90.7	103	90.7	193.7	1,280
BH03	9/20/2024	2	< 0.0250	< 0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,740
BH03	10/10/2024	3	< 0.0250	< 0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	871
BH03	10/10/2024	4	< 0.0250	< 0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	336

<20.0

<25.0

### Notes:

BH03

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

NMOCD: New Mexico Oil Conservation Division

10/10/2024

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.

4.5

< 0.0250

< 0.0500

GRO: Gasoline Range Organics DRO: Diesel Range Organics ORO: Oil Range Organics

<50.0

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

<25.0

<50.0

226

<sup>\*</sup> 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.



### TABLE 1 - CONT'D

### **SOIL SAMPLE ANALYTICAL RESULTS**

**LVP SWD #001** 

**Devon Energy Production Company, LP Eddy County, New Mexico** 

al BTEX	TPH GRO	TPH DRO	TPH ORO	GRO+DRO	Total TPH	Chloride
mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)

Designation	Date	(feet bgs)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	NE	100	600
				Delin	neation Soil San	nples				
FS01	12/5/2024	4.5	< 0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	583
FS02	12/6/2024	4	< 0.0250	< 0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	739
FS02	12/20/2024	4.25	< 0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	76
FS03	12/9/2024	4	< 0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	273
FS04	12/9/2024	4	< 0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	98
FS05	12/9/2024	4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	111
FS06	12/11/2024	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	301
FS07	12/11/2024	3	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	159

### Notes:

Sample

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

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

Depth

Benzene

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

<sup>&</sup>quot;<": Laboratory Analytical result is less than reporting limit

<sup>\*</sup> 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.



### **TABLE 1 - CONT'D**

### **SOIL SAMPLE ANALYTICAL RESULTS**

**LVP SWD #001** 

**Devon Energy Production Company, LP** 

	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											
SW01	12/5/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	414		
SW02	12/5/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	3,020		
SW03	12/9/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	6,330		
SW04	12/6/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	494		
SW05	12/11/2024	0-4	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	163		

### 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

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

GRO: Gasoline Range Organics DRO: Diesel Range Organics ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

<sup>&</sup>quot;<": Laboratory Analytical result is less than reporting limit

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



**APPENDIX A** 

Well Log and Record



## New Mexico Office of the State Engineer

## **Point of Diversion Summary**

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag **POD Number** 

Q64 Q16 Q4 Sec Tws Rng

NA

C 04415 POD7

23S 28E

3577518 585628

**Driller License:** 1186

**Driller Company:** 

NOT FOR HIRE

**Driller Name:** 

HAMMER, RODNEY S.WARDENER

**Drill Start Date:** 

07/15/2021

**Drill Finish Date:** 

07/16/2021

**Plug Date:** 

07/16/2021

Log File Date:

10/05/2021

**PCW Rcv Date:** 

Source:

Shallow

**Pump Type:** 

Pipe Discharge Size:

**Estimated Yield:** 

**Casing Size:** 2.00 Depth Well: 55 feet **Depth Water:** 38 feet

**Water Bearing Stratifications:** 

Top

**Bottom Description** 

0 55 Shale/Mudstone/Siltstone

**Casing Perforations:** 

**Bottom** Top

38 43

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

11/14/23 8:33 AM

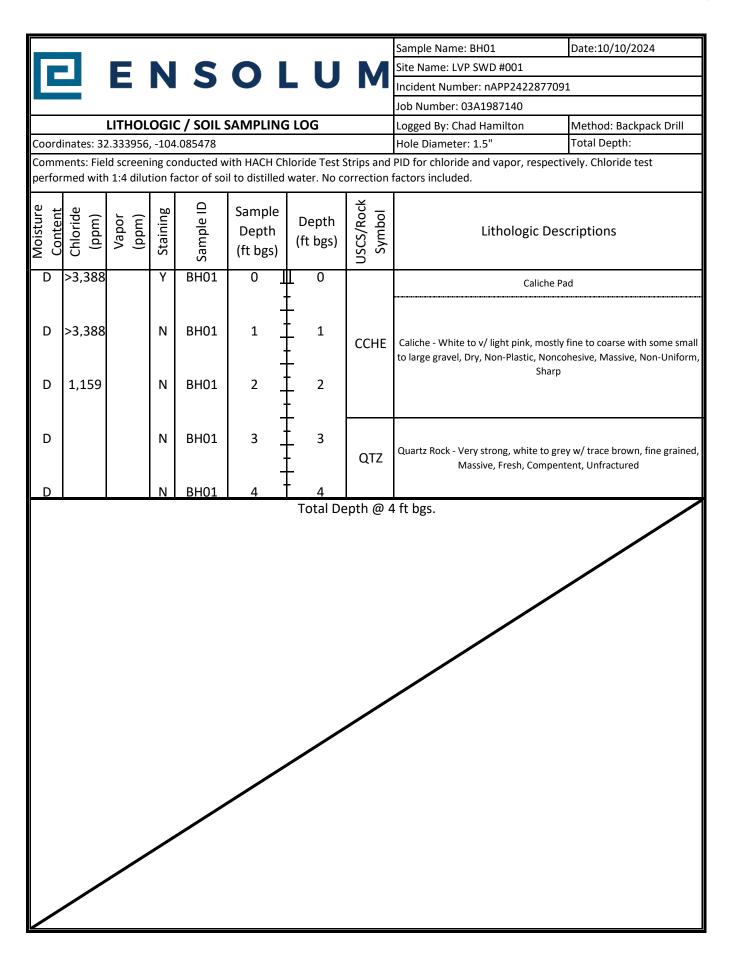
POINT OF DIVERSION SUMMARY

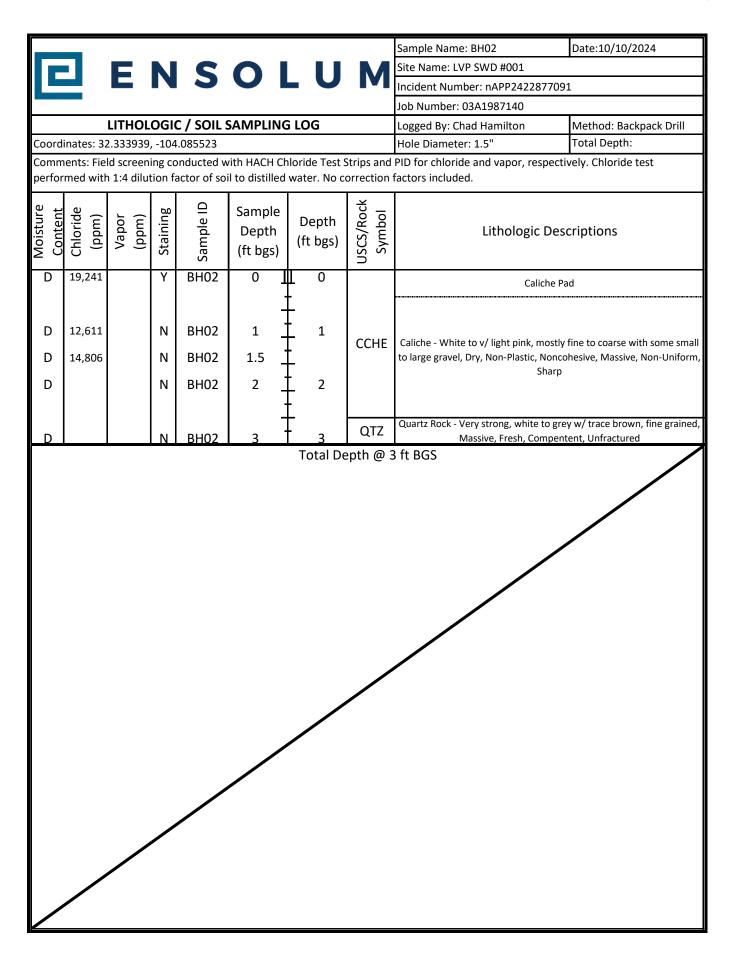
Received by OCD: 1/8/2025 12:45:05 PM

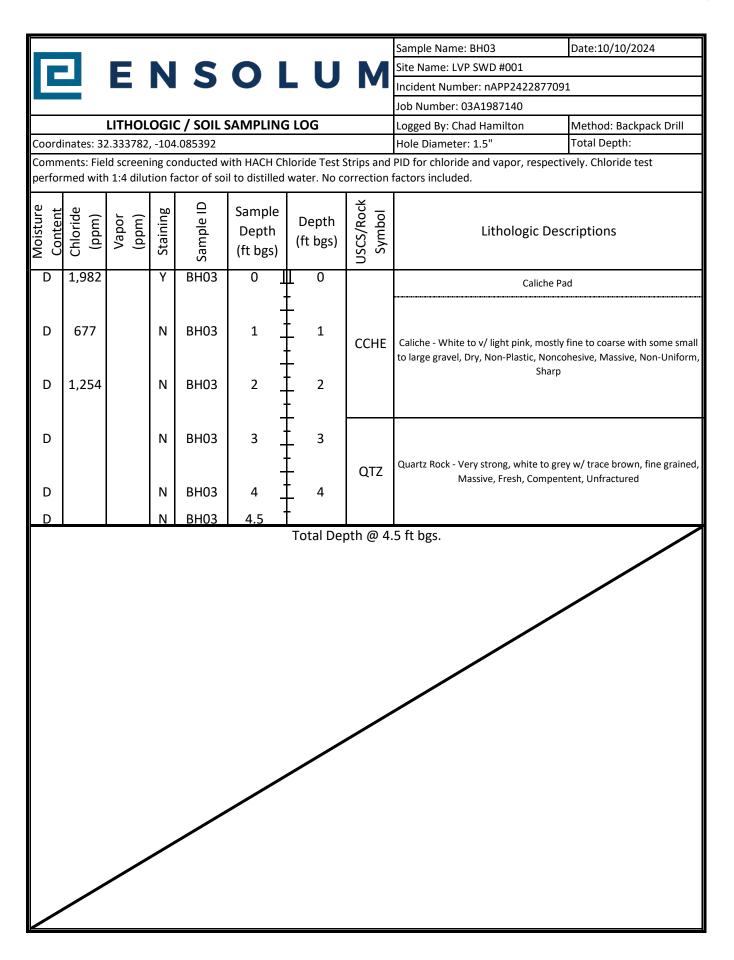


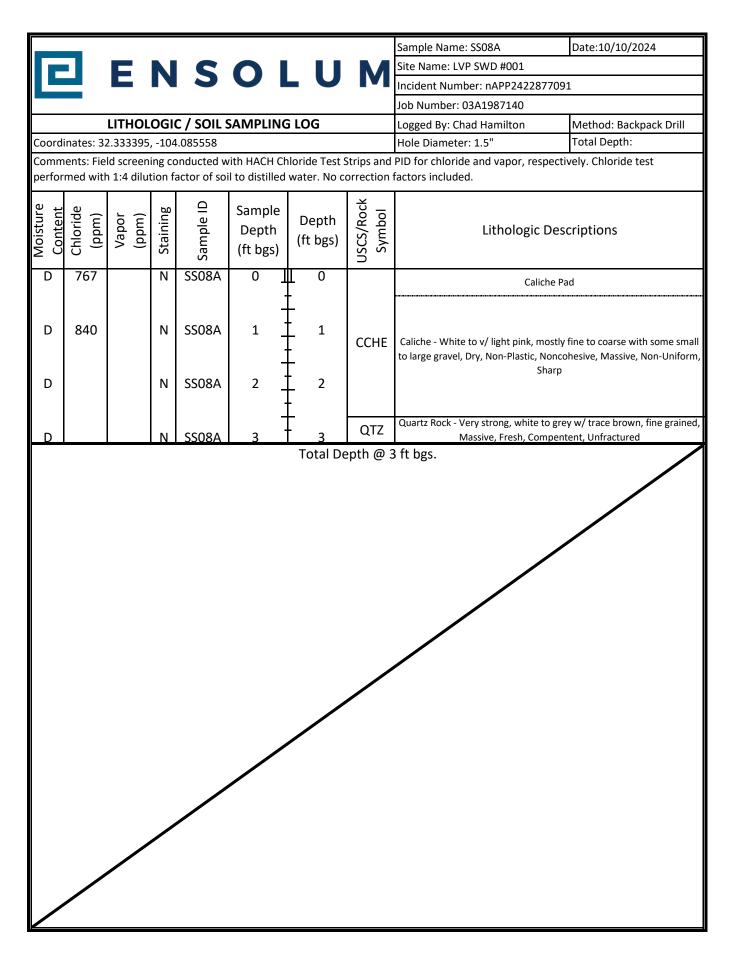
**APPENDIX B** 

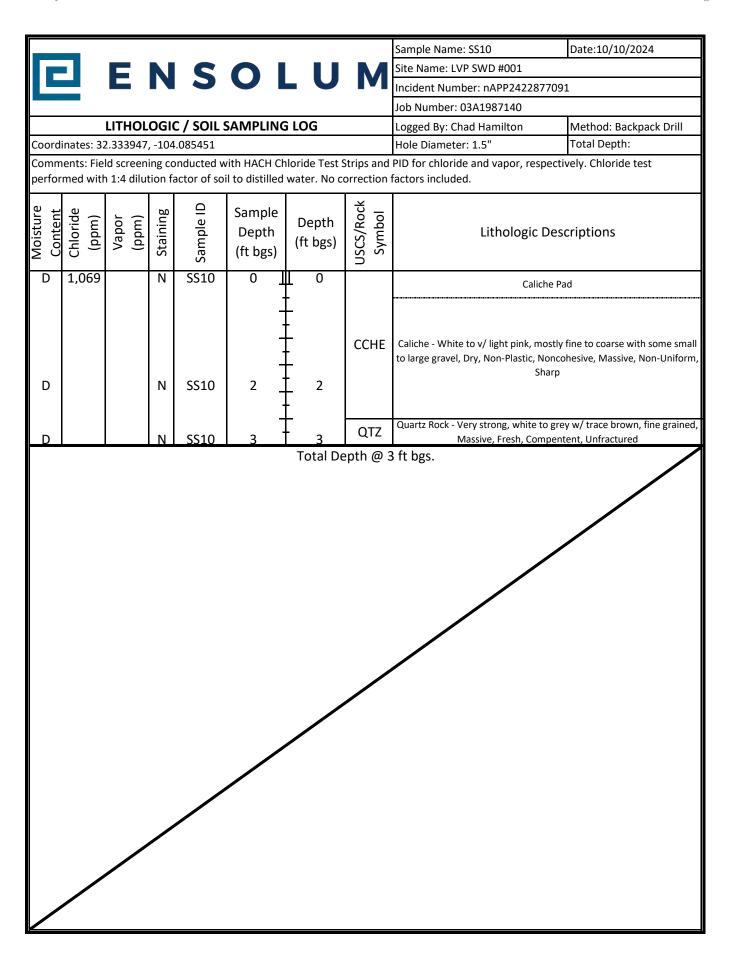
Lithologic Soil Sampling Logs

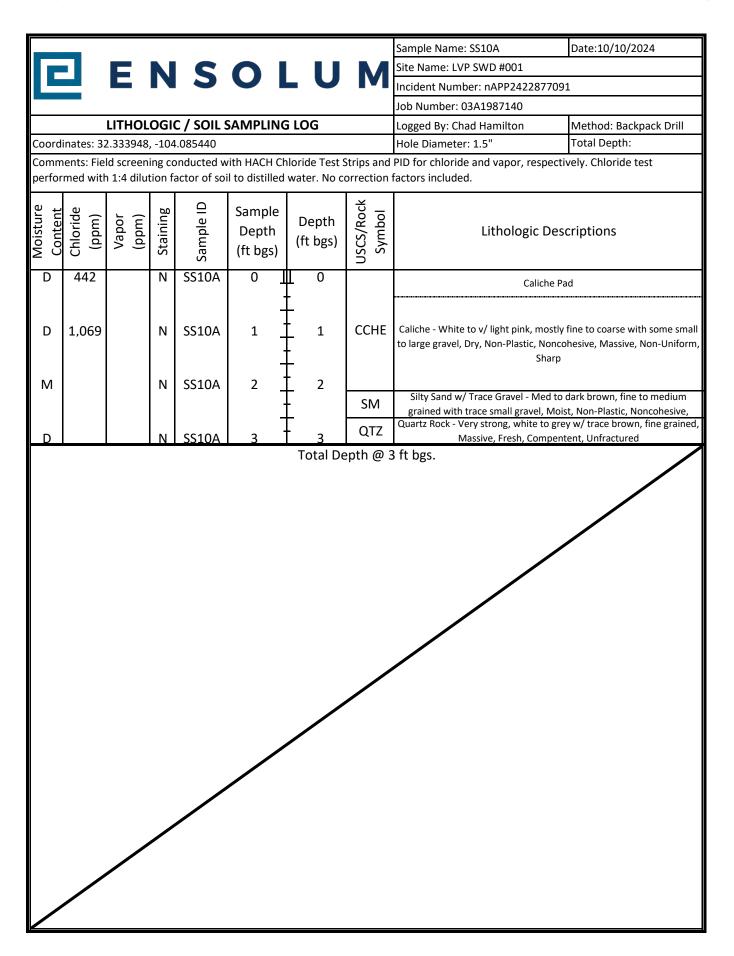














**APPENDIX C** 

Photographic Logs

### **Photographic Log**

Devon Energy Production Company, LP LVP SWD #001

Incident Number: nAPP2422877091





Photograph 1

Description: Release Extent

View: East

Photograph 2

Description: Release Extent

View: Northeast





Photograph 3

Description: Liner Inspection

View: West

Photograph 4

Description: Liner Inspection

View: West

Date: 08/22/2024

Date: 08/15/2024

Date: 08/22/2024

### **Photographic Log**

Devon Energy Production Company, LP LVP SWD #001

Incident Number: nAPP2422877091





Photograph 5 Date: 09/12/2024

Description: Lateral Delineation (SS02)

View: West

Photograph 6 Date: 09/12/2024

Description: Lateral Delineation (SS07)

View: Northwest





Photograph 7

Description: Liner Inspection

View: North

Photograph 8

Description: Liner Inspection

View: East

Date: 09/20/2024

Date: 09/20/2024

### **Photographic Log**

Devon Energy Production Company, LP LVP SWD #001

Incident Number: nAPP2422877091





Photograph 9

Description: Liner Inspection

View: North

Date: 09/20/2024

Photograph 10

Date: 09/20/2024

Description: Liner Inspection

View: East





Photograph 11

Description: Liner Inspection

View: West

Date: 09/20/2024 Pho

Photograph 12

Description: Liner Inspection

View: Southeast

Date: 09/20/2024

### **Photographic Log**

Devon Energy Production Company, LP LVP SWD #001

Incident Number: nAPP2422877091





Photograph 13

Date: 09/20/2024

Photograph 14

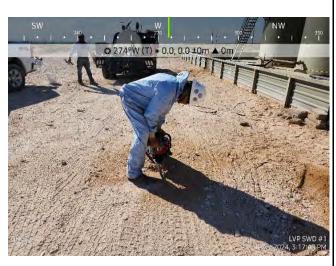
Date: 10/10/2024

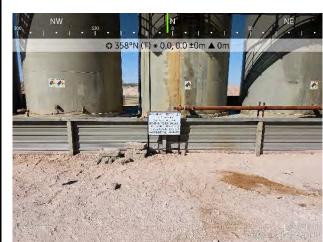
Description: Delineation (BH02)

View: South

Description: Vertical Delineation (BH01)

View: South





Photograph 15

Date: 10/10/2024

Photograph 16

Date: 10/10/2024

Description: Vertical Delineation (BH03)

Description: Lease Signage

View: West

View: North

### **Photographic Log**

Devon Energy Production Company, LP LVP SWD #001

Incident Number: nAPP2422877091





Photograph 17
Description: Excavation

View: East

Date: 12/05/2024

Photograph 18

Description: Excavation View: South

Date: 12/05/2024

Date: 12/05/2024





Photograph 19

Description: Excavation View: Southeast

Date: 12/05/2024

Photograph 20

Description: Excavation

View: Southeast

### **Photographic Log**

Devon Energy Production Company, LP LVP SWD #001

Incident Number: nAPP2422877091





Photograph 21 Date: 12/06/2024 Photograph 22 Date: 12/06/2024

Description: Excavation

View: East

Description: Excavation

View: West





Photograph 23 Date: 12/06/2024 Photograph 24 Date: 12/06/2024

Description: Excavation

View: Northeast

Description: Excavation

View: East

### **Photographic Log**

Devon Energy Production Company, LP LVP SWD #001 Incident Number: nAPP2422877091





Date: 12/09/2024

Date: 12/10/2024

Photograph 25

Description: Excavation View: West

Date: 12/09/2024

Photograph 26

Description: Excavation

View: East





Photograph 27

Description: Excavation

View: West

Date: 12/10/2024 Ph

Photograph 28

Description: Excavation

View: West

### **Photographic Log**

Devon Energy Production Company, LP LVP SWD #001

Incident Number: nAPP2422877091





Date: 12/11/2024

Date: 12/20/2024

Photograph 29
Description: Excavation

View: Northeast

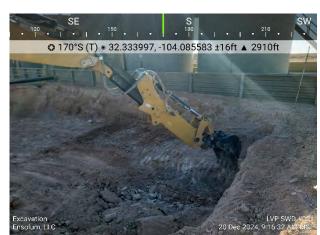
Date: 12/11/2024

Photograph 30

Description: Excavation

View: East





Photograph 31

Description: Excavation

View: East

Date: 12/20/2024 Pho

Photograph 32

Description: Excavation

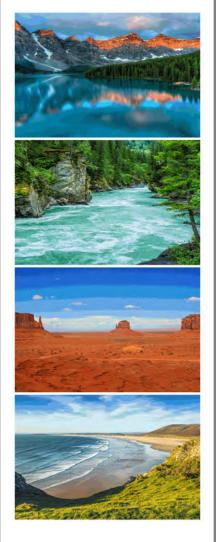
View: South



## APPENDIX D

Laboratory Analytical Reports & Chain-of-Custody Documentation

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





# envirotech

Practical Solutions for a Better Tomorrow

### **Analytical Report**

Devon Energy - Carlsbad

Project Name: LVP SWD #001

Work Order: E408205

Job Number: 01058-0007

Received: 8/26/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 8/27/24

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

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

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

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

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

Date Reported: 8/27/24

Ashley Giovengo 6488 7 Rivers Hwy Artesia, NM 88210

Project Name: LVP SWD #001

Workorder: E408205

Date Received: 8/26/2024 7:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 8/26/2024 7:00:00AM, under the Project Name: LVP SWD #001.

The analytical test results summarized in this report with the Project Name: LVP SWD #001 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881 Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

Field Offices:

**Southern New Mexico Area** 

Lynn Jarboe

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

Cell: 505-320-4759

ljarboe@envirotech-inc.com

**Michelle Gonzales** 

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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QC - Nonhalogenated Organics by EPA 8015D - GRO	7
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	8
QC - Anions by EPA 300.0/9056A	9
Definitions and Notes	10
Chain of Custody etc.	11

### **Sample Summary**

_				
Γ	Devon Energy - Carlsbad	Project Name:	LVP SWD #001	Reported:
ı	6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
	Artesia NM, 88210	Project Manager:	Ashley Giovengo	08/27/24 16:42

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS02 - 0'	E408205-01A	Solid	08/22/24	08/26/24	Glass Jar, 2 oz.



Devon Energy - Carlsbad	Project Name:	LVP SWD #001	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	8/27/2024 4:42:08PM

#### SS02 - 0' E408205-01

		2.00200 01					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	BA		Batch: 2435006
Benzene	ND	0.0250		1	08/26/24	08/26/24	
Ethylbenzene	ND	0.0250		1	08/26/24	08/26/24	
Toluene	ND	0.0250		1	08/26/24	08/26/24	
o-Xylene	ND	0.0250		1	08/26/24	08/26/24	
p,m-Xylene	ND	0.0500		1	08/26/24	08/26/24	
Total Xylenes	ND	0.0250		1	08/26/24	08/26/24	
Surrogate: Bromofluorobenzene		103 %	70-130		08/26/24	08/26/24	
Surrogate: 1,2-Dichloroethane-d4		92.8 %	70-130		08/26/24	08/26/24	
Surrogate: Toluene-d8		107 %	70-130		08/26/24	08/26/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	BA		Batch: 2435006
Gasoline Range Organics (C6-C10)	ND	20.0		1	08/26/24	08/26/24	
Surrogate: Bromofluorobenzene		103 %	70-130		08/26/24	08/26/24	
Surrogate: 1,2-Dichloroethane-d4		92.8 %	70-130		08/26/24	08/26/24	
Surrogate: Toluene-d8		107 %	70-130		08/26/24	08/26/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	NV		Batch: 2435002
Diesel Range Organics (C10-C28)	ND	25.0		1	08/26/24	08/27/24	
Oil Range Organics (C28-C36)	ND	50.0		1	08/26/24	08/27/24	
Surrogate: n-Nonane		84.4 %	50-200		08/26/24	08/27/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	IY		Batch: 2435008
Chloride	86.6	20.0		1	08/26/24	08/26/24	



Devon Energy - Carlsbad LVP SWD #001 Project Name: Reported: Project Number: 6488 7 Rivers Hwy 01058-0007 Artesia NM, 88210 Project Manager: Ashley Giovengo 8/27/2024 4:42:08PM **Volatile Organic Compounds by EPA 8260B** Analyst: BA Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % % Notes Blank (2435006-BLK1) Prepared: 08/26/24 Analyzed: 08/26/24 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 ND 0.0250 Total Xylenes Surrogate: Bromofluorobenzene 0.525 0.500 105 70-130 Surrogate: 1,2-Dichloroethane-d4 0.506 0.500 101 70-130 0.500 106 70-130 Surrogate: Toluene-d8 0.529 LCS (2435006-BS1) Prepared: 08/26/24 Analyzed: 08/26/24 2.33 0.0250 2.50 93.3 70-130 Benzene 2.38 2.50 70-130 95.2 Ethylbenzene 0.0250 2.39 0.0250 2.50 95.5 70-130 2.24 89.8 70-130 0.0250 2.50 o-Xylene 4.53 5.00 90.5 70-130 p,m-Xylene 0.0500 6.77 0.0250 7.50 90.3 70-130 Total Xylenes Surrogate: Bromofluorobenzene 0.498 0.500 99.5 70-130 0.500 96.8 70-130 Surrogate: 1,2-Dichloroethane-d4 0.484 70-130 Surrogate: Toluene-d8 0.500 0.528 Matrix Spike (2435006-MS1) Source: E408205-01 Prepared: 08/26/24 Analyzed: 08/26/24 2.28 0.0250 2.50 ND 91.2 48-131 45-135 Ethylbenzene 2.32 0.0250 2.50 ND 92.8 48-130 Toluene 2.32 0.0250 2.50 ND 92.6 2.24 0.0250 2.50 ND 89.8 43-135 o-Xylene 4.54 ND 90.9 43-135 p,m-Xylene 0.0500 5.00 Total Xylenes 6.79 0.0250 7.50 ND 90.5 43-135 Surrogate: Bromofluorobenzene 0.507 0.500 101 70-130 0.500 94.0 70-130 Surrogate: 1,2-Dichloroethane-d4 0.470 0.500 70-130 0.522 Surrogate: Toluene-d8 Matrix Spike Dup (2435006-MSD1) Source: E408205-01 Prepared: 08/26/24 Analyzed: 08/26/24 2.28 0.0250 2.50 ND 91.3 48-131 0.110 23 2.36 0.0250 2.50 ND 94.2 45-135 1.52 27 Ethylbenzene ND 93.9 48-130 1.35 24 2.35 2.50 Toluene 0.0250 o-Xylene 2.30 0.0250 2.50 ND 92.1 43-135 2.62 27 5.00 ND 91.8 43-135 1.05 27 4.59 p,m-Xylene 0.0500 27 6.89 0.0250 7.50 ND 91.9 43-135 1.57 Total Xylenes Surrogate: Bromofluorobenzene 0.509 0.500 102 70-130



0.500

0.500

0.469

0.525

93.8

70-130

70-130

Surrogate: 1,2-Dichloroethane-d4

Surrogate: Toluene-d8

Devon Energy - CarlsbadProject Name:LVP SWD #001Reported:6488 7 Rivers HwyProject Number:01058-0007Artesia NM, 88210Project Manager:Ashley Giovengo8/27/2024 4:42:08PM

M. J. J	^ · · · · · · · · · · · · · · · · · · ·	L EDA	0015D	CDO
Nonhalogenated	Organics	DV EPA	80151) -	CTKO

Analyst: BA

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

	Result	LIIIII	Level	Kesun	Rec	Lillits	KrD	LIIIII	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2435006-BLK1)							Prepared: 08	8/26/24 An	alyzed: 08/26/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.525		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.506		0.500		101	70-130			
Surrogate: Toluene-d8	0.529		0.500		106	70-130			
LCS (2435006-BS2)							Prepared: 08	8/26/24 An	alyzed: 08/26/24
Gasoline Range Organics (C6-C10)	51.5	20.0	50.0		103	70-130			
Surrogate: Bromofluorobenzene	0.518		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.468		0.500		93.6	70-130			
Surrogate: Toluene-d8	0.539		0.500		108	70-130			
Matrix Spike (2435006-MS2)				Source:	E408205-	01	Prepared: 08	8/26/24 An	alyzed: 08/26/24
Gasoline Range Organics (C6-C10)	49.7	20.0	50.0	ND	99.4	70-130			
Surrogate: Bromofluorobenzene	0.500		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.493		0.500		98.5	70-130			
Surrogate: Toluene-d8	0.532		0.500		106	70-130			
Matrix Spike Dup (2435006-MSD2)				Source:	E408205-	01	Prepared: 08	8/26/24 An	alyzed: 08/26/24
Gasoline Range Organics (C6-C10)	50.1	20.0	50.0	ND	100	70-130	0.705	20	
Surrogate: Bromofluorobenzene	0.528		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.483		0.500		96.6	70-130			
Surrogate: Toluene-d8	0.548		0.500		110	70-130			



Devon Energy - Carlsbad	Project Name:	LVP SWD #001	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	•
Artesia NM, 88210	Project Manager:	Ashley Giovengo	8/27/2024 4:42:08PM

Artesia NM, 88210		Project Manage	r: As	hley Gioveng	go			8/	27/2024 4:42:08PN
	Nonha	logenated Or	ganics by	EPA 8015I	) - DRO	/ORO			Analyst: NV
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2435002-BLK1)							Prepared: 0	8/26/24 Ana	lyzed: 08/26/24
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	36.4		50.0		72.7	50-200			
LCS (2435002-BS1)							Prepared: 0	8/26/24 Ana	lyzed: 08/26/24
Diesel Range Organics (C10-C28)	187	25.0	250		74.7	38-132			
urrogate: n-Nonane	41.6		50.0		83.2	50-200			
Matrix Spike (2435002-MS1)				Source:	E408201-	01	Prepared: 0	8/26/24 Ana	lyzed: 08/26/24
Diesel Range Organics (C10-C28)	181	25.0	250	ND	72.4	38-132			
urrogate: n-Nonane	41.7		50.0		83.3	50-200			
Matrix Spike Dup (2435002-MSD1)				Source:	E408201-	01	Prepared: 0	8/26/24 Ana	lyzed: 08/26/24
Diesel Range Organics (C10-C28)	191	25.0	250	ND	76.4	38-132	5.44	20	
Gurrogate: n-Nonane	41.7		50.0		83.4	50-200			



Devon Energy - Carlsbad		Project Name:		VP SWD #001					Reported:
6488 7 Rivers Hwy Artesia NM, 88210		Project Number: Project Manager:		058-0007 shley Gioveng	go				8/27/2024 4:42:08PM
		Anions	by EPA 3	00.0/9056	1				Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2435008-BLK1)							Prepared: 0	8/26/24 A	.nalyzed: 08/26/24
Chloride	ND	20.0							
LCS (2435008-BS1)							Prepared: 0	8/26/24 A	nalyzed: 08/26/24
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2435008-MS1)				Source:	E408202-0	)2	Prepared: 0	8/26/24 A	nalyzed: 08/26/24
Chloride	297	20.0	250	38.2	103	80-120			
Matrix Spike Dup (2435008-MSD1)				Source:	E408202-0	)2	Prepared: 0	8/26/24 A	nalyzed: 08/26/24
Chloride	294	20.0	250	38.2	102	80-120	0.877	20	

#### QC Summary Report Comment:

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



#### **Definitions and Notes**

Γ	Devon Energy - Carlsbad	Project Name:	LVP SWD #001	
l	6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
l	Artesia NM, 88210	Project Manager:	Ashley Giovengo	08/27/24 16:42

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



Page	of
rage	UI

City, State, Zip: Carlsbad NM, 88220   Email: dale.woodall@dvn.com   Miscellaneous: Dale Woodall   SDWA   CV   Compliance   PWSID #   Sample Information   Sample Information   Sample Information   SDWA   CV   CV   CV   CV   CV   CV   CV   C	
Project Manager: Ashley Giovengo Address: 3122 National Parks Hwy City, State, Zip: Carlsbad NM, 88220 Phone: 575-988-0055 Email: agiovengo@ensolum.com  Sample Information  City, State, Zip: Hobbs NM, 88240 Phone: (575)748-1838 Email: dale.woodall@dvn.com Miscellaneous: Dale Woodall  Sample Information  City, State, Zip: Hobbs NM, 88240 Phone: (575)748-1838 Email: dale.woodall@dvn.com Miscellaneous: Dale Woodall  Sample Information  Sample Information  Sample Information  City, State, Zip: Hobbs NM, 88240 Phone: (575)748-1838  Analysis and Method  SDWA CV  Compliance PWSID #  Ren  Ren	UT TX
Project Manager: Ashley Giovengo Address: 3122 National Parks Hwy City, State, Zip: Carlsbad NM, 88220 Phone: 575-988-0055 Email: agiovengo@ensolum.com  Time Sampled Date Sampled Matrix No. of Sample Information  City, State, Zip: Hobbs NM, 88240 Phone: (575)748-1838 Email: dale.woodall@dvn.com Miscellaneous: Dale Woodall  Miscellaneous: Dale Woodall  Sample Information  Sample ID  Date Sampled Date Sampled Matrix No. of Containers  Sample Information  City, State, Zip: Hobbs NM, 88240 Phone: (575)748-1838 Email: dale.woodall@dvn.com Miscellaneous: Dale Woodall  Sample Information  Sample ID  Date Sample Information  Sampl	
City, State, Zip: Carlsbad NM, 88220   Email: dale.woodall@dvn.com   Miscellaneous: Dale Woodall   Sampled   Date Sampled   Date Sampled   Matrix   No. of Sample Information	
Phone: 575-988-0055	rogram
Email: agiovengo@ensolum.com	WA RCRA
PWSID #   PWSI	
	Y or N
	0.0200
	narks
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, dale.woodall@dvn.com, iestrella@ensolum.com, bdeal@ensolum.com, chamilton@ensolum.com. bsimmons@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: Malle Many Bowan Simmons	4 4 4
Relinquished by: (Signature)  Date  A/23/24 10-15  Received by: (Signature)  Bate  B	
Relinquished by: (Signature)  Date  Time  Received by: (Signature)  Date  Date  Time  Received on ice:  Date  1700  Received on ice:  N/ N	
Relinquished by: (Signature)  Date  Received by: (Signature)  Received by: (Signature)  Date  Time  8.23.24 23.15 Received by: (Signature)  Time  8.26.24 0700  T1 T2 T3	
Relinquished by: (Signature)  Date  Time  Received by: (Signature)  Date  Time  AVG Temp °C	
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA	

(3

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Printed: 8/26/2024 8:17:09AM

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

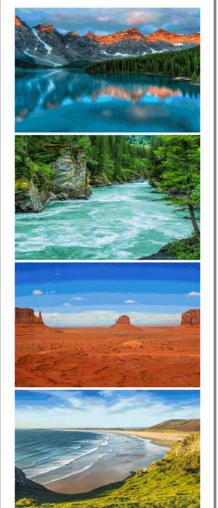
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Devon Energy - Carlsbad	Date Received:	08/26/24	07:00	Work Order ID:	E408205
Phone:	(505) 382-1211	Date Logged In:	08/23/24	16:32	Logged In By:	Noe Soto
Email:	ashley.giovengo@wescominc.com	Due Date:	08/30/24	17:00 (4 day TAT)		
Chain of	Custody (COC)					
1. Does th	ne sample ID match the COC?		Yes			
2. Does th	ne number of samples per sampling site location ma	tch the COC	Yes			
3. Were sa	amples dropped off by client or carrier?		Yes	Carrier: Cou	<u>irier</u>	
4. Was the	e COC complete, i.e., signatures, dates/times, reque	sted analyses?	Yes			
5. Were a	Il samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssi		Yes		<u>Commen</u>	uts/Resolution
Sample T	Turn Around Time (TAT)					
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes			
Sample C	<u>Cooler</u>					
7. Was a s	sample cooler received?		Yes			
8. If yes,	was cooler received in good condition?		Yes			
9. Was the	e sample(s) received intact, i.e., not broken?		Yes			
10. Were	custody/security seals present?		No			
11. If yes,	, were custody/security seals intact?		NA			
12. Was th	e sample received on ice? If yes, the recorded temp is 4°C.  Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	re received w/i 15	Yes			
Sample C		- F	_			
	queous VOC samples present?		No			
	OC samples collected in VOA Vials?		NA			
	head space less than 6-8 mm (pea sized or less)?		NA			
	trip blank (TB) included for VOC analyses?		NA			
	on-VOC samples collected in the correct containers	9	Yes			
	appropriate volume/weight or number of sample contain		Yes			
Field Lat	•	nois conceica.	105			
	field sample labels filled out with the minimum info	ormation:				
	ample ID?	ormation.	Yes			
	ate/Time Collected?		Yes			
C	ollectors name?		No			
Sample P	<u>reservation</u>					
21. Does	the COC or field labels indicate the samples were p	reserved?	No			
22. Are sa	ample(s) correctly preserved?		NA			
24. Is lab	filteration required and/or requested for dissolved n	netals?	No			
Multipha	se Sample Matrix					
26. Does	the sample have more than one phase, i.e., multipha	ise?	No			
27. If yes,	, does the COC specify which phase(s) is to be analy	yzed?	NA			
Subcontr	ract Laboratory					
	amples required to get sent to a subcontract laborato	rv?	No			
	subcontract laboratory specified by the client and i	•	NA	Subcontract Lab: N	JA	
	• •			Saccontract Lac. 19	11.1	
Chent II	<u>nstruction</u>					

Date

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

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





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Practical Solutions for a Better Tomorrow

# **Analytical Report**

Devon Energy - Carlsbad

Project Name: LVP SWD #1

Work Order: E409120

Job Number: 01058-0007

Received: 9/16/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 9/20/24

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

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

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

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

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

Date Reported: 9/20/24

Ashley Giovengo 6488 7 Rivers Hwy Artesia, NM 88210

Project Name: LVP SWD #1

Workorder: E409120

Date Received: 9/16/2024 7:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/16/2024 7:30:00AM, under the Project Name: LVP SWD #1.

The analytical test results summarized in this report with the Project Name: LVP SWD #1 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881 Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe

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

Cell: 505-320-4759

ljarboe@envirotech-inc.com

**Michelle Gonzales** 

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:	LVP SWD #1	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported.
Artesia NM, 88210	Project Manager:	Ashley Giovengo	09/20/24 14:36

Client Sample ID	Lab Sample ID M	latrix	Sampled	Received	Container
SS01 - 0'	E409120-01A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
SS03 - 0'	E409120-02A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
SS04 - 0'	E409120-03A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
SS05 - 0'	E409120-04A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
SS06 - 0'	E409120-05A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
SS07 - 0'	E409120-06A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
SS08 - 0'	E409120-07A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
SS09 - 0'	E409120-08A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
SS10 - 0'	E409120-09A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
SS10 - 0'	E409120-10A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
SS05 - 1'	E409120-11A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
SS06 - 1'	E409120-12A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
SS07 - 1'	E409120-13A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
SS08 - 1'	E409120-14A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
SS09 - 1'	E409120-15A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
SS10 - 1'	E409120-16A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
SS08A - 0'	E409120-17A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
SS08A - 1'		Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
SS10A - 0'		Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
SS10A - 1'		Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
SS08B - 0'		Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
SS08B - 1'		Soil	09/12/24	09/16/24	Glass Jar, 2 oz.



Devon Energy - Carlsbad	Project Name:	LVP SWD #1	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	9/20/2024 2:36:58PM

#### SS01 - 0' E409120-01

		E-10/120-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: CG		Batch: 2438009
Benzene	ND	0.0250	1	09/16/24	09/18/24	
Ethylbenzene	ND	0.0250	1	09/16/24	09/18/24	
Toluene	ND	0.0250	1	09/16/24	09/18/24	
o-Xylene	ND	0.0250	1	09/16/24	09/18/24	
p,m-Xylene	ND	0.0500	1	09/16/24	09/18/24	
Total Xylenes	ND	0.0250	1	09/16/24	09/18/24	
Surrogate: 4-Bromochlorobenzene-PID		89.7 %	70-130	09/16/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: CG		Batch: 2438009
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/24	09/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.6 %	70-130	09/16/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: NV		Batch: 2437108
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/24	09/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/14/24	09/17/24	
Surrogate: n-Nonane		71.5 %	50-200	09/14/24	09/17/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: WF		Batch: 2438026
Chloride	388	20.0	1	09/17/24	09/17/24	

Devon Energy - Carlsbad	Project Name:	LVP SWD #1	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	9/20/2024 2:36:58PM

SS03 - 0'

E409120-02						
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: CG		Batch: 2438009
Benzene	ND	0.0250	1	09/16/24	09/18/24	
Ethylbenzene	ND	0.0250	1	09/16/24	09/18/24	
Toluene	ND	0.0250	1	09/16/24	09/18/24	
o-Xylene	ND	0.0250	1	09/16/24	09/18/24	
p,m-Xylene	ND	0.0500	1	09/16/24	09/18/24	
Total Xylenes	ND	0.0250	1	09/16/24	09/18/24	
Surrogate: 4-Bromochlorobenzene-PID		88.1 %	70-130	09/16/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	lyst: CG		Batch: 2438009
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/24	09/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.1 %	70-130	09/16/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: NV		Batch: 2437108
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/24	09/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/14/24	09/17/24	
Surrogate: n-Nonane		74.1 %	50-200	09/14/24	09/17/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: WF		Batch: 2438026
Chloride	40.9	20.0	1	09/17/24	09/17/24	



Devon Energy - Carlsbad	Project Name:	LVP SWD #1	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	9/20/2024 2:36:58PM

#### SS04 - 0'

#### E409120-03

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: CG		Batch: 2438009
Benzene	ND	0.0250	1	09/16/24	09/18/24	
Ethylbenzene	ND	0.0250	1	09/16/24	09/18/24	
Toluene	ND	0.0250	1	09/16/24	09/18/24	
o-Xylene	ND	0.0250	1	09/16/24	09/18/24	
p,m-Xylene	ND	0.0500	1	09/16/24	09/18/24	
Total Xylenes	ND	0.0250	1	09/16/24	09/18/24	
Surrogate: 4-Bromochlorobenzene-PID		88.5 %	70-130	09/16/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: CG		Batch: 2438009
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/24	09/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.7 %	70-130	09/16/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: NV		Batch: 2437108
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/24	09/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/14/24	09/17/24	
Surrogate: n-Nonane		82.5 %	50-200	09/14/24	09/17/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: WF		Batch: 2438026
Chloride	139	20.0	1	09/17/24	09/17/24	



Devon Energy - Carlsbad	Project Name:	LVP SWD #1	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	9/20/2024 2:36:58PM

#### SS05 - 0'

		E409120-04				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: CG		Batch: 2438009
Benzene	ND	0.0250	1	09/16/24	09/18/24	
Ethylbenzene	ND	0.0250	1	09/16/24	09/18/24	
Toluene	ND	0.0250	1	09/16/24	09/18/24	
o-Xylene	ND	0.0250	1	09/16/24	09/18/24	
p,m-Xylene	ND	0.0500	1	09/16/24	09/18/24	
Total Xylenes	ND	0.0250	1	09/16/24	09/18/24	
Surrogate: 4-Bromochlorobenzene-PID		89.0 %	70-130	09/16/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: CG		Batch: 2438009
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/24	09/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.3 %	70-130	09/16/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: NV		Batch: 2437108
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/24	09/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/14/24	09/18/24	
Surrogate: n-Nonane		79.5 %	50-200	09/14/24	09/18/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: WF		Batch: 2438026
Chloride	141	20.0	1	09/17/24	09/17/24	



Devon Energy - Carlsbad	Project Name:	LVP SWD #1	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	9/20/2024 2:36:58PM

#### SS06 - 0' E409120-05

	E40/120-03				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy	vst: CG		Batch: 2438009
ND	0.0250	1	09/16/24	09/18/24	
ND	0.0250	1	09/16/24	09/18/24	
ND	0.0250	1	09/16/24	09/18/24	
ND	0.0250	1	09/16/24	09/18/24	
ND	0.0500	1	09/16/24	09/18/24	
ND	0.0250	1	09/16/24	09/18/24	
	88.5 %	70-130	09/16/24	09/18/24	
mg/kg	mg/kg	Analy	vst: CG		Batch: 2438009
ND	20.0	1	09/16/24	09/18/24	
	96.9 %	70-130	09/16/24	09/18/24	
mg/kg	mg/kg	Analy	st: NV		Batch: 2437108
ND	25.0	1	09/14/24	09/18/24	
ND	50.0	1	09/14/24	09/18/24	
	73.2 %	50-200	09/14/24	09/18/24	
mg/kg	mg/kg	Analy	st: WF		Batch: 2438026
40.8	20.0	1	09/17/24	09/17/24	
	mg/kg ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	Result         Reporting           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           88.5 %         mg/kg           mg/kg         mg/kg           ND         20.0           96.9 %         mg/kg           ND         25.0           ND         50.0           73.2 %         mg/kg           mg/kg         mg/kg	Reporting           Result         Limit         Dilution           mg/kg         mg/kg         Analy           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           ND         0.0250         1           MD         0.0250         1           Mg/kg         mg/kg         Analy           MD         20.0         1           96.9 %         70-130           mg/kg         mg/kg         Analy           ND         25.0         1           ND         50.0         1           73.2 %         50-200           mg/kg         mg/kg         Analy	Reporting           Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: CG           ND         0.0250         1         09/16/24           ND         0.0250         1         09/16/24           ND         0.0250         1         09/16/24           ND         0.0500         1         09/16/24           ND         0.0250         1         09/16/24           MD         0.0250         1         09/16/24           mg/kg         mg/kg         Analyst: CG           ND         20.0         1         09/16/24           mg/kg         mg/kg         Analyst: NV           ND         25.0         1         09/16/24           ND         50.0         1         09/14/24           ND         50.0         1         09/14/24           ND         50.0         1         09/14/24           ND         50.0         1         09/14/24           mg/kg         mg/kg         Analyst: WF	Reporting           Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: CG           ND         0.0250         1         09/16/24         09/18/24           ND         0.0250         1         09/16/24         09/18/24           ND         0.0250         1         09/16/24         09/18/24           ND         0.0500         1         09/16/24         09/18/24           ND         0.0250         1         09/16/24         09/18/24           ND         0.0250         1         09/16/24         09/18/24           mg/kg         mg/kg         Analyst: CG         09/18/24           mg/kg         mg/kg         Analyst: CG         09/18/24           ND         20.0         1         09/16/24         09/18/24           mg/kg         mg/kg         Analyst: NV         ND         09/18/24           ND         25.0         1         09/14/24         09/18/24           ND         50.0         1         09/14/24         09/18/24           ND         50.0         1         09/14/24         09/18/24           ND



Devon Energy - Carlsbad	Project Name:	LVP SWD #1	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	9/20/2024 2:36:58PM

SS07 - 0' E409120-06

		E409120-06				
Austra	Dk	Reporting	Diler	D	A Install	Notes
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: CG		Batch: 2438009
Benzene	ND	0.0250	1	09/16/24	09/18/24	
Ethylbenzene	ND	0.0250	1	09/16/24	09/18/24	
Toluene	ND	0.0250	1	09/16/24	09/18/24	
o-Xylene	ND	0.0250	1	09/16/24	09/18/24	
p,m-Xylene	ND	0.0500	1	09/16/24	09/18/24	
Total Xylenes	ND	0.0250	1	09/16/24	09/18/24	
Surrogate: 4-Bromochlorobenzene-PID		89.5 %	70-130	09/16/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	vst: CG		Batch: 2438009
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/24	09/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.2 %	70-130	09/16/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: NV		Batch: 2437108
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/24	09/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/14/24	09/18/24	
Surrogate: n-Nonane		78.1 %	50-200	09/14/24	09/18/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: WF		Batch: 2438026
Chloride	122	20.0	1	09/17/24	09/17/24	



Devon Energy - Carlsbad	Project Name:	LVP SWD #1	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	9/20/2024 2:36:58PM

#### SS08 - 0'

		E409120-07				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	lyst: CG		Batch: 2438009
Benzene	ND	0.0250	1	09/16/24	09/18/24	
Ethylbenzene	ND	0.0250	1	09/16/24	09/18/24	
Toluene	ND	0.0250	1	09/16/24	09/18/24	
o-Xylene	ND	0.0250	1	09/16/24	09/18/24	
p,m-Xylene	ND	0.0500	1	09/16/24	09/18/24	
Total Xylenes	ND	0.0250	1	09/16/24	09/18/24	
Surrogate: 4-Bromochlorobenzene-PID		88.1 %	70-130	09/16/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	lyst: CG		Batch: 2438009
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/24	09/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.1 %	70-130	09/16/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: NV		Batch: 2437108
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/24	09/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/14/24	09/18/24	
Surrogate: n-Nonane		77.7 %	50-200	09/14/24	09/18/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: WF		Batch: 2438026
Chloride	215	20.0	1	09/17/24	09/17/24	·



Devon Energy - Carlsbad	Project Name:	LVP SWD #1	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	9/20/2024 2:36:58PM

#### SS09 - 0'

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E40	171	211	הנוו–ו

	Reporting				
	Reporting				
Result	Limit	Diluti	on Prepared	Analyzed	Notes
mg/kg	mg/kg	A	nalyst: CG		Batch: 2438009
ND	0.0250	1	09/16/24	09/18/24	
ND	0.0250	1	09/16/24	09/18/24	
ND	0.0250	1	09/16/24	09/18/24	
ND	0.0250	1	09/16/24	09/18/24	
ND	0.0500	1	09/16/24	09/18/24	
ND	0.0250	1	09/16/24	09/18/24	
	87.8 %	70-130	09/16/24	09/18/24	
mg/kg	mg/kg	A	nalyst: CG		Batch: 2438009
ND	20.0	1	09/16/24	09/18/24	
	96.7 %	70-130	09/16/24	09/18/24	
mg/kg	mg/kg	A	nalyst: NV		Batch: 2437108
ND	25.0	1	09/14/24	09/18/24	
ND	50.0	1	09/14/24	09/18/24	
		50.200	09/14/24	09/18/24	
	83.0 %	50-200	09/14/24	09/10/24	
mg/kg	83.0 % mg/kg		09/14/24 nalyst: WF	09/10/24	Batch: 2438026
	ND N	ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0500 ND 0.0250 87.8 %  mg/kg mg/kg ND 20.0  96.7 %  mg/kg mg/kg ND 25.0	ND 0.0250 1  ND 0.0500 1  ND 0.0250 1  87.8 % 70-130  mg/kg mg/kg A  ND 20.0 1  96.7 % 70-130  mg/kg mg/kg A  ND 25.0 1	ND 0.0250 1 09/16/24 ND 0.0500 1 09/16/24 ND 0.0250 1 09/16/24 ND 0.0250 1 09/16/24  87.8 % 70-130 09/16/24  mg/kg mg/kg Analyst: CG  ND 20.0 1 09/16/24  mg/kg mg/kg Analyst: NV  mg/kg mg/kg Analyst: NV	ND 0.0250 1 09/16/24 09/18/24 ND 0.0500 1 09/16/24 09/18/24 ND 0.0250 1 09/16/24 09/18/24 ND 0.0250 1 09/16/24 09/18/24  87.8 % 70-130 09/16/24 09/18/24  mg/kg mg/kg Analyst: CG  ND 20.0 1 09/16/24 09/18/24  mg/kg mg/kg Analyst: NV  mg/kg mg/kg Analyst: NV



Devon Energy - Carlsbad	Project Name:	LVP SWD #1	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	9/20/2024 2:36:58PM

#### SS10 - 0' E409120-09

E407120-07						
Analyte	Result	Reporting Limit	Dilution	n Prepared	Analyzed	Notes
Tillalyee	resur	Emit	Dilation	Теригеа	7 Hary Zea	rotes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: CG		Batch: 2438056
Benzene	ND	0.0250	1	09/18/24	09/19/24	
Ethylbenzene	ND	0.0250	1	09/18/24	09/19/24	
Toluene	ND	0.0250	1	09/18/24	09/19/24	
o-Xylene	ND	0.0250	1	09/18/24	09/19/24	
p,m-Xylene	ND	0.0500	1	09/18/24	09/19/24	
Total Xylenes	ND	0.0250	1	09/18/24	09/19/24	
Surrogate: 4-Bromochlorobenzene-PID		86.1 %	70-130	09/18/24	09/19/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: CG		Batch: 2438056
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/18/24	09/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.3 %	70-130	09/18/24	09/19/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: NV		Batch: 2438074
Diesel Range Organics (C10-C28)	ND	25.0	1	09/18/24	09/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/18/24	09/20/24	
Surrogate: n-Nonane		93.9 %	50-200	09/18/24	09/20/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: WF		Batch: 2438052
Chloride	816	20.0	1	09/18/24	09/19/24	·



Devon Energy - Carlsbad	Project Name:	LVP SWD #1	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	9/20/2024 2:36:58PM

#### SS10 - 0' E409120-10

		E409120-10				
Analyte	Result	Reporting Limit	Dilutio	n Prepared	Analyzed	Notes
Allaryte	Result	Lillit	Dilution	ii Trepared	Allalyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: CG		Batch: 2438009
Benzene	ND	0.0250	1	09/16/24	09/18/24	
Ethylbenzene	ND	0.0250	1	09/16/24	09/18/24	
Toluene	ND	0.0250	1	09/16/24	09/18/24	
o-Xylene	ND	0.0250	1	09/16/24	09/18/24	
p,m-Xylene	ND	0.0500	1	09/16/24	09/18/24	
Total Xylenes	ND	0.0250	1	09/16/24	09/18/24	
Surrogate: 4-Bromochlorobenzene-PID		88.1 %	70-130	09/16/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: CG		Batch: 2438009
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/24	09/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.2 %	70-130	09/16/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: NV		Batch: 2437108
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/24	09/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/14/24	09/18/24	
Surrogate: n-Nonane		79.5 %	50-200	09/14/24	09/18/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: WF		Batch: 2438026
Chloride	333	20.0	1	09/17/24	09/17/24	



Devon Energy - Carlsbad	Project Name:	LVP SWD #1	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	9/20/2024 2:36:58PM

#### SS05 - 1'

E409120-11						
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: CG		Batch: 2438009
Benzene	ND	0.0250	1	09/16/24	09/18/24	
Ethylbenzene	ND	0.0250	1	09/16/24	09/18/24	
Toluene	ND	0.0250	1	09/16/24	09/18/24	
o-Xylene	ND	0.0250	1	09/16/24	09/18/24	
p,m-Xylene	ND	0.0500	1	09/16/24	09/18/24	
Total Xylenes	ND	0.0250	1	09/16/24	09/18/24	
Surrogate: 4-Bromochlorobenzene-PID		87.7 %	70-130	09/16/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: CG		Batch: 2438009
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/24	09/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.8 %	70-130	09/16/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: NV		Batch: 2437108
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/24	09/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/14/24	09/18/24	
Surrogate: n-Nonane		78.8 %	50-200	09/14/24	09/18/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	llyst: WF		Batch: 2438026
Chloride	242	20.0	1	09/17/24	09/17/24	



Devon Energy - Carlsbad	Project Name:	LVP SWD #1	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	9/20/2024 2:36:58PM

#### SS06 - 1'

E409120-12						
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: CG		Batch: 2438009
Benzene	ND	0.0250	1	09/16/24	09/18/24	
Ethylbenzene	ND	0.0250	1	09/16/24	09/18/24	
Toluene	ND	0.0250	1	09/16/24	09/18/24	
o-Xylene	ND	0.0250	1	09/16/24	09/18/24	
p,m-Xylene	ND	0.0500	1	09/16/24	09/18/24	
Total Xylenes	ND	0.0250	1	09/16/24	09/18/24	
Surrogate: 4-Bromochlorobenzene-PID		89.1 %	70-130	09/16/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: CG		Batch: 2438009
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/24	09/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.3 %	70-130	09/16/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: NV		Batch: 2437108
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/24	09/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/14/24	09/18/24	
Surrogate: n-Nonane		82.3 %	50-200	09/14/24	09/18/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: WF		Batch: 2438026
Chloride	329	20.0	1	09/17/24	09/17/24	



Devon Energy - Carlsbad	Project Name:	LVP SWD #1	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	9/20/2024 2:36:58PM

SS07 - 1'

E409	12	0-	13

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: CG		Batch: 2438009
Benzene	ND	0.0250	1	09/16/24	09/18/24	
Ethylbenzene	ND	0.0250	1	09/16/24	09/18/24	
Toluene	ND	0.0250	1	09/16/24	09/18/24	
o-Xylene	ND	0.0250	1	09/16/24	09/18/24	
p,m-Xylene	ND	0.0500	1	09/16/24	09/18/24	
Total Xylenes	ND	0.0250	1	09/16/24	09/18/24	
Surrogate: 4-Bromochlorobenzene-PID		88.5 %	70-130	09/16/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: CG		Batch: 2438009
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/24	09/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.0 %	70-130	09/16/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: NV		Batch: 2437108
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/24	09/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/14/24	09/18/24	
Surrogate: n-Nonane		81.2 %	50-200	09/14/24	09/18/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: WF		Batch: 2438026
Chloride	345	20.0	1	09/17/24	09/17/24	



Devon Energy - Carlsbad	Project Name:	LVP SWD #1	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	9/20/2024 2:36:58PM

#### SS08 - 1'

#### E409120-14

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: CG		Batch: 2438009
Benzene	ND	0.0250	1	09/16/24	09/18/24	
Ethylbenzene	ND	0.0250	1	09/16/24	09/18/24	
Toluene	ND	0.0250	1	09/16/24	09/18/24	
o-Xylene	ND	0.0250	1	09/16/24	09/18/24	
p,m-Xylene	ND	0.0500	1	09/16/24	09/18/24	
Total Xylenes	ND	0.0250	1	09/16/24	09/18/24	
Surrogate: 4-Bromochlorobenzene-PID		89.0 %	70-130	09/16/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: CG		Batch: 2438009
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/24	09/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.4 %	70-130	09/16/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: NV		Batch: 2437108
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/24	09/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/14/24	09/18/24	
Surrogate: n-Nonane		76.9 %	50-200	09/14/24	09/18/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: WF		Batch: 2438026
Chloride	533	20.0	1	09/17/24	09/17/24	_
Chioride	333	20.0	1	U)/1//24	07/1//24	



Devon Energy - Carlsbad	Project Name:	LVP SWD #1	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	9/20/2024 2:36:58PM

SS09 - 1'

		E409120-15				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: CG		Batch: 2438009
Benzene	ND	0.0250	1	09/16/24	09/18/24	
Ethylbenzene	ND	0.0250	1	09/16/24	09/18/24	
Toluene	ND	0.0250	1	09/16/24	09/18/24	
o-Xylene	ND	0.0250	1	09/16/24	09/18/24	
p,m-Xylene	ND	0.0500	1	09/16/24	09/18/24	
Total Xylenes	ND	0.0250	1	09/16/24	09/18/24	
Surrogate: 4-Bromochlorobenzene-PID		89.6 %	70-130	09/16/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: CG		Batch: 2438009
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/24	09/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.6 %	70-130	09/16/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: NV		Batch: 2437108
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/24	09/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/14/24	09/18/24	
Surrogate: n-Nonane		77.8 %	50-200	09/14/24	09/18/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	llyst: WF		Batch: 2438026
Chloride	227	20.0	1	09/17/24	09/17/24	



Devon Energy - Carlsbad	Project Name:	LVP SWD #1	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	9/20/2024 2:36:58PM

#### SS10 - 1' E409120-16

		E409120-16				
	D 1	Reporting	<b>D</b> 3.7	ъ.		N
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: CG		Batch: 2438009
Benzene	ND	0.0250	1	09/16/24	09/18/24	
Ethylbenzene	ND	0.0250	1	09/16/24	09/18/24	
Toluene	ND	0.0250	1	09/16/24	09/18/24	
o-Xylene	ND	0.0250	1	09/16/24	09/18/24	
p,m-Xylene	ND	0.0500	1	09/16/24	09/18/24	
Total Xylenes	ND	0.0250	1	09/16/24	09/18/24	
Surrogate: 4-Bromochlorobenzene-PID		89.3 %	70-130	09/16/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: CG		Batch: 2438009
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/24	09/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.2 %	70-130	09/16/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: NV		Batch: 2437108
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/24	09/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/14/24	09/18/24	
Surrogate: n-Nonane		77.4 %	50-200	09/14/24	09/18/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: WF		Batch: 2438026
Chloride	929	20.0	1	09/17/24	09/17/24	·



Devon Energy - Carlsbad	Project Name:	LVP SWD #1	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	9/20/2024 2:36:58PM

#### SS08A - 0' E409120-17

		E-10/120-17				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: CG	·	Batch: 2438009
Benzene	ND	0.0250	1	09/16/24	09/18/24	
Ethylbenzene	ND	0.0250	1	09/16/24	09/18/24	
Toluene	ND	0.0250	1	09/16/24	09/18/24	
o-Xylene	ND	0.0250	1	09/16/24	09/18/24	
p,m-Xylene	ND	0.0500	1	09/16/24	09/18/24	
Total Xylenes	ND	0.0250	1	09/16/24	09/18/24	
Surrogate: 4-Bromochlorobenzene-PID		88.8 %	70-130	09/16/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: CG		Batch: 2438009
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/24	09/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.5 %	70-130	09/16/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: NV		Batch: 2437108
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/24	09/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/14/24	09/18/24	
Surrogate: n-Nonane		80.6 %	50-200	09/14/24	09/18/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: WF		Batch: 2438026
Chloride	664	40.0	2	09/17/24	09/17/24	



Devon Energy - Carlsbad	Project Name:	LVP SWD #1	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	9/20/2024 2:36:58PM

### SS08A - 1'

		E409120-18				
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: CG		Batch: 2438009
Benzene	ND	0.0250	1	09/16/24	09/18/24	
Ethylbenzene	ND	0.0250	1	09/16/24	09/18/24	
Toluene	ND	0.0250	1	09/16/24	09/18/24	
o-Xylene	ND	0.0250	1	09/16/24	09/18/24	
p,m-Xylene	ND	0.0500	1	09/16/24	09/18/24	
Total Xylenes	ND	0.0250	1	09/16/24	09/18/24	
Surrogate: 4-Bromochlorobenzene-PID		88.8 %	70-130	09/16/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: CG		Batch: 2438009
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/24	09/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.7 %	70-130	09/16/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: NV		Batch: 2437108
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/24	09/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/14/24	09/18/24	
Surrogate: n-Nonane		88.8 %	50-200	09/14/24	09/18/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: WF		Batch: 2438026
Chloride	637	20.0	1	09/17/24	09/17/24	



Devon Energy - Carlsbad	Project Name:	LVP SWD #1	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	9/20/2024 2:36:58PM

#### SS10A - 0' E409120-19

		E409120-19				
Analyte	Result	Reporting Limit	Dilution	n Prepared	Analyzed	Notes
Allaryte	Result	Lillit	Dilution	1 Терагец	Allalyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: CG		Batch: 2438009
Benzene	ND	0.0250	1	09/16/24	09/18/24	
Ethylbenzene	ND	0.0250	1	09/16/24	09/18/24	
Toluene	ND	0.0250	1	09/16/24	09/18/24	
o-Xylene	ND	0.0250	1	09/16/24	09/18/24	
p,m-Xylene	ND	0.0500	1	09/16/24	09/18/24	
Total Xylenes	ND	0.0250	1	09/16/24	09/18/24	
Surrogate: 4-Bromochlorobenzene-PID		90.0 %	70-130	09/16/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: CG		Batch: 2438009
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/24	09/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.7 %	70-130	09/16/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: NV		Batch: 2437108
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/24	09/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/14/24	09/18/24	
Surrogate: n-Nonane		77.8 %	50-200	09/14/24	09/18/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: WF		Batch: 2438026
Chloride	ND	20.0	1	09/17/24	09/17/24	



Devon Energy - Carlsbad	Project Name:	LVP SWD #1	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	9/20/2024 2:36:58PM

#### SS10A - 1' E409120-20

		E409120-20				
	D 1:	Reporting	<b>D</b> 3:	D 1		N.
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2438009
Benzene	ND	0.0250	1	09/16/24	09/18/24	
Ethylbenzene	ND	0.0250	1	09/16/24	09/18/24	
Toluene	ND	0.0250	1	09/16/24	09/18/24	
o-Xylene	ND	0.0250	1	09/16/24	09/18/24	
p,m-Xylene	ND	0.0500	1	09/16/24	09/18/24	
Total Xylenes	ND	0.0250	1	09/16/24	09/18/24	
Surrogate: 4-Bromochlorobenzene-PID		90.1 %	70-130	09/16/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2438009	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/24	09/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.4 %	70-130	09/16/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2437108	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/24	09/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/14/24	09/18/24	
Surrogate: n-Nonane		86.5 %	50-200	09/14/24	09/18/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: WF		Batch: 2438026
Chloride	461	20.0	1	09/17/24	09/17/24	



Devon Energy - Carlsbad	Project Name:	LVP SWD #1	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	9/20/2024 2:36:58PM

SS08B - 0' E409120-21

		E409120-21				
	D 1:	Reporting	<b>D</b> 3.43	D 1		N
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG			Batch: 2438002
Benzene	ND	0.0250	1	09/16/24	09/16/24	
Ethylbenzene	ND	0.0250	1	09/16/24	09/16/24	
Toluene	ND	0.0250	1	09/16/24	09/16/24	
o-Xylene	ND	0.0250	1	09/16/24	09/16/24	
p,m-Xylene	ND	0.0500	1	09/16/24	09/16/24	
Total Xylenes	ND	0.0250	1	09/16/24	09/16/24	
Surrogate: 4-Bromochlorobenzene-PID		99.0 %	70-130	09/16/24	09/16/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2438002	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/24	09/16/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.3 %	70-130	09/16/24	09/16/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2437107	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/24	09/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/14/24	09/17/24	
Surrogate: n-Nonane		78.3 %	50-200	09/14/24	09/17/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: JM		Batch: 2438019
Chloride	194	20.0	1	09/16/24	09/17/24	



Devon Energy - Carlsbad	Project Name:	LVP SWD #1	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	9/20/2024 2:36:58PM

### SS08B - 1'

E409120-22									
		Reporting							
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes			
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: CG		Batch: 2438002			
Benzene	ND	0.0250	1	09/16/24	09/16/24				
Ethylbenzene	ND	0.0250	1	09/16/24	09/16/24				
Toluene	ND	0.0250	1	09/16/24	09/16/24				
o-Xylene	ND	0.0250	1	09/16/24	09/16/24				
p,m-Xylene	ND	0.0500	1	09/16/24	09/16/24				
Total Xylenes	ND	0.0250	1	09/16/24	09/16/24				
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	09/16/24	09/16/24				
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: CG		Batch: 2438002			
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/24	09/16/24				
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.9 %	70-130	09/16/24	09/16/24				
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: NV		Batch: 2437107			
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/24	09/17/24				
Oil Range Organics (C28-C36)	ND	50.0	1	09/14/24	09/17/24				
Surrogate: n-Nonane		87.1 %	50-200	09/14/24	09/17/24				
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: JM		Batch: 2438019			
Chloride	522	20.0	1	09/16/24	09/17/24				



Devon Energy - Carlsbad LVP SWD #1 Project Name: Reported: 6488 7 Rivers Hwy Project Number: 01058-0007 Artesia NM, 88210 Project Manager: Ashley Giovengo 9/20/2024 2:36:58PM **Volatile Organics by EPA 8021B** Analyst: CG Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % % Notes Blank (2438002-BLK1) Prepared: 09/16/24 Analyzed: 09/16/24 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 8.02 8.00 100 70-130 LCS (2438002-BS1) Prepared: 09/16/24 Analyzed: 09/16/24 5.67 113 70-130 5.00 Benzene 0.0250 Ethylbenzene 5.46 0.0250 5.00 109 70-130 5.58 0.0250 5.00 112 70-130 Toluene o-Xylene 5.45 0.0250 5.00 109 70-130 11.1 10.0 111 70-130 0.0500 p.m-Xvlene 110 70-130 15.0 Total Xylenes 16.6 0.0250 8.00 100 70-130 Surrogate: 4-Bromochlorobenzene-PID 8.01 Matrix Spike (2438002-MS1) Source: E409109-06 Prepared: 09/16/24 Analyzed: 09/16/24 5.12 0.0250 5.00 ND 54-133 Benzene ND 61-133 Ethylbenzene 4.92 0.0250 5.00 98.4 Toluene 5.04 0.0250 5.00 ND 101 61-130 4.90 ND 98.1 63-131 5.00 0.0250 o-Xylene p,m-Xylene 10.0 0.0500 10.0 ND 100 63-131 14.9 0.0250 15.0 ND 63-131 Total Xylenes 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.99 8.00 Matrix Spike Dup (2438002-MSD1) Source: E409109-06 Prepared: 09/16/24 Analyzed: 09/16/24 5.35 0.0250 5.00 ND 54-133 4.47 20 61-133 5.16 0.0250 5.00 ND 103 4.66 20 Ethylbenzene 61-130 Toluene 5.27 0.0250 5.00 ND 105 4 53 20 5.15 5.00 ND 103 63-131 4.90 20 o-Xylene 0.0250 10.5 10.0 ND 105 63-131 4.69 20 p,m-Xylene 0.0500 Total Xylenes 15.6 0.0250 15.0 ND 104 63-131 4.76 20

8.00

101

70-130



Surrogate: 4-Bromochlorobenzene-PID

8.06

		QC 50	41111110						
Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210		Project Name: Project Number: Project Manager:	01	VP SWD #1 1058-0007 shley Gioveng				9/2	<b>Reported:</b> 0/2024 2:36:58PM
Artesia Ivivi, 60210		Froject Manager.	A	Silicy Glovelig	30			912	0/2024 2.30.381 WI
		Volatile O	rganics b	oy EPA 802	21B				Analyst: CG
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2438009-BLK1)							Prepared: 0	9/16/24 Anal	yzed: 09/18/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
p-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	6.90		8.00		86.2	70-130			
LCS (2438009-BS1)							Prepared: 0	9/16/24 Anal	yzed: 09/19/24
Benzene	4.96	0.0250	5.00		99.1	70-130			
Ethylbenzene	4.83	0.0250	5.00		96.5	70-130			
Toluene	4.92	0.0250	5.00		98.3	70-130			
-Xylene	4.81	0.0250	5.00		96.1	70-130			
o,m-Xylene	9.78	0.0500	10.0		97.8	70-130			
Total Xylenes	14.6	0.0250	15.0		97.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.09		8.00		88.6	70-130			
Matrix Spike (2438009-MS1)				Source:	E409120-	06	Prepared: 0	9/16/24 Anal	yzed: 09/18/24
Benzene	4.00	0.0250	5.00	ND	79.9	54-133			
Ethylbenzene	3.83	0.0250	5.00	ND	76.6	61-133			
Coluene	3.93	0.0250	5.00	ND	78.6	61-130			
o-Xylene	3.81	0.0250	5.00	ND	76.1	63-131			
o,m-Xylene	7.81	0.0500	10.0	ND	78.1	63-131			
Total Xylenes	11.6	0.0250	15.0	ND	77.4	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.09		8.00		88.6	70-130			
Matrix Spike Dup (2438009-MSD1)				Source:	E409120-	06	Prepared: 0	9/16/24 Anal	yzed: 09/18/24
Benzene	4.58	0.0250	5.00	ND	91.5	54-133	13.5	20	
Ethylbenzene	4.40	0.0250	5.00	ND	88.1	61-133	13.9	20	
Toluene	4.50	0.0250	5.00	ND	90.0	61-130	13.5	20	
o-Xylene	4.38	0.0250	5.00	ND	87.5	63-131	14.0	20	
o,m-Xylene	8.96	0.0500	10.0	ND	89.6	63-131	13.7	20	
Total Xylenes	13.3	0.0250	15.0	ND	88.9	63-131	13.8	20	



70-130

Surrogate: 4-Bromochlorobenzene-PID

		QC bi	41111116	iry Data	1				
Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210		Project Name: Project Number: Project Manager:	01	VP SWD #1 1058-0007 shley Gioveng	o			9/2	<b>Reported:</b> 0/2024 2:36:58PM
		Volatile O	rganics b	oy EPA 802	1B			Analyst: CG	
Analyte		Reporting	Spike	Source	_	Rec	DDD	RPD	
	Result mg/kg	Limit mg/kg	Level mg/kg	Result mg/kg	Rec %	Limits %	RPD %	Limit %	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	/0	/0	/0	/0	rvotes
Blank (2438056-BLK1)							Prepared: 0	9/18/24 Anal	yzed: 09/19/24
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	6.94		8.00		86.7	70-130			
LCS (2438056-BS1)							Prepared: 0	9/18/24 Analy	yzed: 09/19/24
Benzene	4.73	0.0250	5.00		94.7	70-130			
Ethylbenzene	4.65	0.0250	5.00		92.9	70-130			
Toluene	4.72	0.0250	5.00		94.4	70-130			
o-Xylene	4.61	0.0250	5.00		92.2	70-130			
p,m-Xylene	9.44	0.0500	10.0		94.4	70-130			
Total Xylenes	14.1	0.0250	15.0		93.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	6.95		8.00		86.9	70-130			
Matrix Spike (2438056-MS1)				Source:	E409138-	07	Prepared: 0	9/18/24 Analy	yzed: 09/19/24
Benzene	4.60	0.0250	5.00	ND	92.0	54-133			
Ethylbenzene	4.51	0.0250	5.00	ND	90.2	61-133			
Toluene	4.59	0.0250	5.00	ND	91.8	61-130			
o-Xylene	4.48	0.0250	5.00	ND	89.6	63-131			
p,m-Xylene	9.17	0.0500	10.0	ND	91.7	63-131			
Total Xylenes	13.7	0.0250	15.0	ND	91.0	63-131			
Surrogate: 4-Bromochlorobenzene-PID	6.84		8.00		85.5	70-130			
Matrix Spike Dup (2438056-MSD1)				Source:	E409138-	07	Prepared: 0	9/18/24 Anal	yzed: 09/19/24
Benzene	4.46	0.0250	5.00	ND	89.1	54-133	3.20	20	
Ethylbenzene	4.39	0.0250	5.00	ND	87.8	61-133	2.62	20	
Toluene	4.45	0.0250	5.00	ND	89.0	61-130	3.09	20	
o-Xylene	4.36	0.0250	5.00	ND	87.1	63-131	2.86	20	
77.1	8.92	0.0500	10.0	ND	89.2	63-131	2.70	20	
p,m-Xylene	13.3	0.0300	10.0	ND	89.2 88.5	63-131	2.70	20	

8.00

6.88

70-130



Surrogate: 4-Bromochlorobenzene-PID

Devon Energy - Carlsbad	Project Name:	LVP SWD #1	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	-
Artesia NM, 88210	Project Manager:	Ashley Giovengo	9/20/2024 2:36:58PM

Artesia NM, 88210		Project Manage	r: As	hley Gioveng	go			9/2	0/2024 2:36:58PM	
	Non	halogenated	Organics l	by EPA 80	15D - Gl	RO		Analyst: CG		
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes	
Blank (2438002-BLK1)							Prepared: 0	9/16/24 Analy	/zed: 09/16/24	
Gasoline Range Organics (C6-C10)	ND	20.0								
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.45		8.00		93.1	70-130				
LCS (2438002-BS2)							Prepared: 0	9/16/24 Analy	zed: 09/16/24	
Gasoline Range Organics (C6-C10)	47.2	20.0	50.0		94.3	70-130				
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.60		8.00		95.0	70-130				
Matrix Spike (2438002-MS2)				Source:	E409109-	06	Prepared: 0	9/16/24 Analy	zed: 09/16/24	
Gasoline Range Organics (C6-C10)	46.6	20.0	50.0	ND	93.2	70-130				
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.60		8.00		95.0	70-130				
Matrix Spike Dup (2438002-MSD2)				Source:	E409109-	06	Prepared: 0	9/16/24 Analy	zed: 09/16/24	
Gasoline Range Organics (C6-C10)	47.9	20.0	50.0	ND	95.9	70-130	2.82	20		
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.61		8.00		95.1	70-130				



Surrogate: 1-Chloro-4-fluorobenzene-FID

# **QC Summary Data**

Devon Energy - Carlsbad	Project Name:	LVP SWD #1	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	•
Artesia NM, 88210	Project Manager:	Ashley Giovengo	9/20/2024 2:36:58PM

Artesia NM, 88210		Project Manage	r: As	shley Gioveng	go			9/2	0/2024 2:36:58PM
	Nor	halogenated	Organics	by EPA 80	15D - G	RO	Analyst: CG		
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes
Blank (2438009-BLK1)							Prepared: 0	9/16/24 Anal	yzed: 09/18/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.78		8.00		97.2	70-130			
LCS (2438009-BS2)							Prepared: 0	9/16/24 Anal	yzed: 09/18/24
Gasoline Range Organics (C6-C10)	38.3	20.0	50.0		76.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.85		8.00		98.2	70-130			
Matrix Spike (2438009-MS2)				Source:	E409120-	06	Prepared: 0	9/16/24 Anal	yzed: 09/19/24
Gasoline Range Organics (C6-C10)	47.3	20.0	50.0	ND	94.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.82		8.00		97.8	70-130			
Matrix Spike Dup (2438009-MSD2)				Source:	E409120-	06	Prepared: 0	9/16/24 Anal	yzed: 09/19/24
Gasoline Range Organics (C6-C10)	44.7	20.0	50.0	ND	89.3	70-130	5.66	20	

8.00

7.87

98.4

70-130

Devon Energy - Carlsbad	Project Name:	LVP SWD #1	Reported:
6488 7 Rivers Hwy Artesia NM, 88210	Project Number: Project Manager:	01058-0007 Ashley Giovengo	9/20/2024 2:36:58PM
Altesia IVIVI, 66210	i roject Manager.	Asincy Glovengo	7/20/2024 2:30:301 W

Artesia NM, 88210		Project Manage	r: As	hley Gioveng	go			9/2	0/2024 2:36:58PM	
	Non	halogenated	Organics l	by EPA 80	15D - Gl	RO		Analyst: CG		
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes	
Blank (2438056-BLK1)	Prepared: 09/							9/18/24 Anal	yzed: 09/19/24	
Gasoline Range Organics (C6-C10)	ND	20.0								
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.78		8.00		97.2	70-130				
LCS (2438056-BS2)							Prepared: 0	9/18/24 Anal	yzed: 09/19/24	
Gasoline Range Organics (C6-C10)	38.1	20.0	50.0		76.2	70-130				
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.85		8.00		98.1	70-130				
Matrix Spike (2438056-MS2)				Source:	E409138-	07	Prepared: 0	9/18/24 Anal	yzed: 09/19/24	
Gasoline Range Organics (C6-C10)	44.5	20.0	50.0	ND	89.0	70-130				
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.82		8.00		97.7	70-130				
Matrix Spike Dup (2438056-MSD2)				Source:	E409138-	07	Prepared: 0	9/18/24 Anal	yzed: 09/19/24	
Gasoline Range Organics (C6-C10)	41.6	20.0	50.0	ND	83.2	70-130	6.82	20		
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.85		8.00		98.1	70-130				



Devon Energy - Carlsbad	Project Name:	LVP SWD #1	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	-
Artesia NM, 88210	Project Manager:	Ashley Giovengo	9/20/2024 2:36:58PM

Artesia NM, 88210		Project Manager	r: As	niey Gioveng	go				9/20/2024 2:30:38PF	
	Nonhalogenated Organics by EPA 8015D - DRO/ORO								Analyst: NV	
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2437107-BLK1)							Prepared: 0	9/14/24 Aı	nalyzed: 09/16/24	
tiesel Range Organics (C10-C28)	ND	25.0								
vil Range Organics (C28-C36)	ND	50.0								
urrogate: n-Nonane	44.9		50.0		89.8	50-200				
CS (2437107-BS1)							Prepared: 0	9/14/24 Aı	nalyzed: 09/16/24	
riesel Range Organics (C10-C28)	194	25.0	250		77.5	38-132				
urrogate: n-Nonane	46.6		50.0		93.1	50-200				
Matrix Spike (2437107-MS1)				Source:	E409109-0	02	Prepared: 0	9/14/24 Aı	nalyzed: 09/16/24	
riesel Range Organics (C10-C28)	214	25.0	250	ND	85.7	38-132				
urrogate: n-Nonane	50.2		50.0		100	50-200				
Matrix Spike Dup (2437107-MSD1)				Source:	E409109-0	02	Prepared: 0	9/14/24 Aı	nalyzed: 09/16/24	
tiesel Range Organics (C10-C28)	209	25.0	250	ND	83.6	38-132	2.50	20		
urrogate: n-Nonane	49.7		50.0		99.3	50-200				



Devon Energy - CarlsbadProject Name:LVP SWD #1Reported:6488 7 Rivers HwyProject Number:01058-0007Artesia NM, 88210Project Manager:Ashley Giovengo9/20/2024 2:36:58PM

	Project Manager	r: As	hley Gioveng	go				9/20/2024 2:36:58PN
Nonha	logenated Or		Analyst: NV					
Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
						Prepared: 0	9/14/24 Ar	alyzed: 09/17/24
ND	25.0							
ND	50.0							
45.7		50.0		91.5	50-200			
						Prepared: 0	9/14/24 Ar	alyzed: 09/17/24
192	25.0	250		76.9	38-132			
46.3		50.0		92.6	50-200			
			Source:	E409120-0	03	Prepared: 0	9/14/24 Ar	alyzed: 09/17/24
183	25.0	250	ND	73.1	38-132			
45.6		50.0		91.1	50-200			
			Source:	E409120-0	03	Prepared: 0	9/14/24 Ar	alyzed: 09/17/24
190	25.0	250	ND	75.9	38-132	3.74	20	
	Result mg/kg  ND ND 45.7  192 46.3	Nonhalogenated Organization   Nonhalogenated Organization   Reporting Limit   mg/kg     ND   25.0   ND   50.0   45.7     192   25.0   46.3     183   25.0   45.6     45.6	Nonhalogenated Organics by	Nonhalogenated Organics by EPA 80151   Result	Nonhalogenated Organics by EPA 8015D - DRO	Nonhalogenated Organics by EPA 8015D - DRO/ORO   Result   Reporting   Limit   Level   Result   Rec   Limits   mg/kg   mg/kg   mg/kg   mg/kg   %   %   %	Nonhalogenated Organics by EPA 8015D - DRO/ORO   Result   Reporting   Limit   Level   Result   Rec   Limits   RPD   mg/kg   mg/kg   mg/kg   mg/kg   % % % % % %   % %   %   %   %   %	Nonhalogenated Organics by EPA 8015D - DRO/ORO   Result   Reporting   Limit   Level   Result   Rec   Limits   RPD   Limit   mg/kg   mg/kg   mg/kg   mg/kg   % % % % % % % % % % % % % % % % % %

Devon Energy - Carlsbad	Project Name:	LVP SWD #1	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	-
Artesia NM, 88210	Project Manager:	Ashley Giovengo	9/20/2024 2:36:58PM

Artesia NM, 88210		9/20/2024 2:36:58PM							
	Nonhal	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
Blank (2438074-BLK1)							Prepared: 0	9/18/24 An	alyzed: 09/20/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	48.4		50.0		96.7	50-200			
LCS (2438074-BS1)							Prepared: 0	9/18/24 An	alyzed: 09/20/24
Diesel Range Organics (C10-C28)	188	25.0	250		75.0	38-132			
Surrogate: n-Nonane	51.7		50.0		103	50-200			
LCS Dup (2438074-BSD1)							Prepared: 0	9/18/24 An	alyzed: 09/20/24
Diesel Range Organics (C10-C28)	197	25.0	250		78.7	38-132	4.75	20	
Surrogate: n-Nonane	50.3		50.0		101	50-200			



Devon Energy - Carlsbad	Project Name:	LVP SWD #1	<b>Reported:</b> 9/20/2024 2:36:58PM
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	
	Anions by 1	EPA 300.0/9056A	Analyst: JM

		Anions			Analyst: JM				
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2438019-BLK1)							Prepared: 0	9/16/24 Aı	nalyzed: 09/16/24
Chloride	ND	20.0							
LCS (2438019-BS1)							Prepared: 0	9/16/24 Aı	nalyzed: 09/16/24
Chloride	256	20.0	250		102	90-110			
Matrix Spike (2438019-MS1)				Source:	E409116-	06	Prepared: 0	9/16/24 Aı	nalyzed: 09/16/24
Chloride	350	20.0	250	126	89.7	80-120			
Matrix Spike Dup (2438019-MSD1)				Source:	E409116-	06	Prepared: 0	9/16/24 Aı	nalyzed: 09/16/24
Chloride	351	20.0	250	126	90.2	80-120	0.307	20	



Matrix Spike Dup (2438026-MSD1)

383

Chloride

### **QC Summary Data**

Devon Energy - Carlsbad 6488 7 Rivers Hwy	Project Name: Project Number:	LVP SWD #1 01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	9/20/2024 2:36:58PM

111001011111, 00210		110jeet Manage		mey croveng	50			-	
		Anions		Analyst: WF					
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2438026-BLK1)							Prepared: 0	9/17/24 Anal	yzed: 09/17/24
Chloride	ND	20.0							
LCS (2438026-BS1)							Prepared: 0	9/17/24 Anal	lyzed: 09/17/24
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2438026-MS1)				Source:	E409120-	03	Prepared: 0	9/17/24 Anal	lyzed: 09/17/24
Chloride	371	20.0	250	139	92.8	80-120			

250

20.0

Source: E409120-03

97.5

80-120

3.08

139



Prepared: 09/17/24 Analyzed: 09/17/24

20

Devon Energy - Carlsbad		Project Name:		/P SWD #1					Reported:			
6488 7 Rivers Hwy Artesia NM, 88210	Project Number: 01058-0007 Project Manager: Ashley Giovengo							9/20/2024 2:36:58PM				
		Anions	by EPA 3	00.0/9056	4				Analyst: WF			
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit				
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes			
Blank (2438052-BLK1)							Prepared: 0	9/18/24 A	.nalyzed: 09/18/24			
Chloride	ND	20.0										
LCS (2438052-BS1)							Prepared: 0	9/18/24 A	nalyzed: 09/18/24			
Chloride	250	20.0	250		99.9	90-110						
Matrix Spike (2438052-MS1)				Source:	E409128-0	03	Prepared: 0	9/18/24 A	nalyzed: 09/18/24			
Chloride	531	20.0	250	285	98.3	80-120						
Matrix Spike Dup (2438052-MSD1)				Source:	E409128-0	03	Prepared: 0	pared: 09/18/24 Analyzed: 09/18/24				
Chloride	622	20.0	250	285	135	80-120	15.8	20	M2			

#### QC Summary Report Comment:

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



### **Definitions and Notes**

ſ	Devon Energy - Carlsbad	Project Name:	LVP SWD #1	
١	6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
١	Artesia NM, 88210	Project Manager:	Ashley Giovengo	09/20/24 14:36

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

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

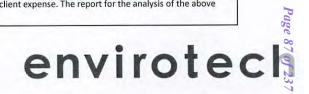
Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Page	of 3
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	Clier	nt Inform	ation			Invoice Informatio	n			La	b Us	e On	ly				TAT		State
Client: D						Company: Devon		Lat	WO	# .		Job	Num	ber		1D	2D 3	D Std	NM CO UT TX
Project:	LVP Su	H AL	= 1			Address: 205 E Bender Road #	150	E	400	1121	0	DIC	128	<i>-0</i> a	10			X	X
Project N	Manager: Asl	hley Giov	engo			City, State, Zip: Hobbs NM, 88	3240												
Address:	3122 Nation	nal Parks	Hwy			Phone: (575)748-1838						Ana	lysis	and	Met	hod			EPA Program
City, Stat	e, Zip: Carls	bad NM,	88220			Email: dale.woodall@dvn.co	om												SDWA CWA RCRA
Phone: 5	575-988-005	5			1	Miscellaneous: Dale Woodall													
Email: ag	giovengo@e	nsolum.c	om						15	2									Compliance Y or N
									8015	8015		-	0.0	-	×	- S			PWSID#
				Samp	ole Inform	ation			DRO/ORO by	GRO/DRO by	ВТЕХ ЬУ 802.	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals			
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9:05					-	304-01		3						X					
						5505-018		4						X					
921														1				-	
9:22						5506-01		5						X					
9:23						5507-01		6						X					
9:44						5508-01		7						X					
9:45						5509-61		8						X					
9:44								9,						X					
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	al Instructio	ns: Plea	ase CC: cb	urton@e	nsolum.co	om, agiovengo@ensolum.com,	dale.wo	odall@d	vn.co	m, cl	hami	lton(	@ens	olun	n.cor	n, ies	trella	@enso	lum.com
				-	The second second			1											Name of the second
I, (field sam	pler), attest to the	e validity and	authenticity	of this samp	le. I am aware	that tampering with or intentionally misla	beling the s	ample locati	on, date	or tim	ne of co	ollectio	n is co	nsider	ed frau	d and	may be g	rounds fo	r legal action.
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						ther arrangements are made. Hazardo									e cliei	nt exp	ense. Th	ne report	t for the analysis of the above





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Client: [			200,200		C	ompany:								Job N	uml	ber		1D	2D 3	D Std		NM C	TU	TX
Project:					A	ddress: 2	05 E Bender Road #	150		EL	40	312				·	57			X		X		
Project N	Manager: Ash	nley Giove	engo		<u>C</u>	ity, State,	Zip: Hobbs NM, 88	240														-		
Address:	3122 Nation	nal Parks	Hwy		Phone: (575)748-1838									Anal	ysis	and f	/let	hod					Program	
	e, Zip: Carls		88220				le.woodall@dvn.co	m		1-											SDV	VA (	CWA	RCRA
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email: a	giovengo@er	nsolum.co	om								8015	8015				18		S			PWS	oliance	11	OI IV
				Sample	Informat	ion					yd C		3021	VOC by 8260	Chloride 300.0	Σ×	X1 - S	8 Metals			1 113			
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		validity and	authenti	ity of this sample. I	am aware th	nat tampering	with or intentionally mislat	peling th	ne sample l	ocation,	date o	or time	of col	lection	is cor	nsidere	frau	d and r	nay be g	rounds fo	r legal a	ection.		
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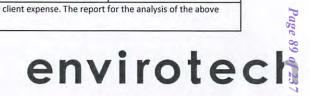


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Page _	3	_ of _

	Clie	nt Inform	ation			Invoice Informatio	n				La	b Us	e Or	ly				T	AT			State	e
Client: D	)evon					Company: Devon		L	ab V	ab WO# Job Number				1D 2D 3D Std			Std	NM	co ut	TX			
Project:						Address: 205 E Bender Road #	<sup>‡</sup> 150		EU	too	112	O	01	05	8.00	TOC				X	X		
Project N	Manager: As	hley Giov	engo			City, State, Zip: Hobbs NM, 88	3240														7		
Address:	3122 Natio	nal Parks	Hwy			Phone: (575)748-1838			Γ				Ana	lysis	and	Met	hod				EP	A Progra	ım
City, Stat	e, Zip: Carls	bad NM,	88220			Email: dale.woodall@dvn.co	om		1												SDWA	CWA	RCRA
	575-988-005					Miscellaneous: Dale Woodall		-												1			
	giovengo@e		om		5.17	Miscendificads. Bale Woodan				,,										ł	Compliand	e Y	or N
										801	8015			0			v			1	PWSID#	<u> </u>	01 11
-				Sam	ple Inforn	nation				DRO/ORO by 8015	GRO/DRO by 8015	8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				1 44310 #		
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Addition	al Instructio	ns: Plea	se CC: cbu	urton@	ensolum.c	om, agiovengo@ensolum.com,	dale.wo	odall@	dvn	.con	n, ch	amil	tone	ens	olun	ı.cor	n, ies	strell	a@ei	nsolu	um.com		
		validity and	authenticity o	of this samp	ole. I am awar	e that tampering with or intentionally misla	beling the sa	mple loca	ation,	date o	or time	of co	llection	is cor	nsidere	d frau	d and r	may be	e groun	ds for	legal action.		
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envirotech Inc.

Printed: 9/16/2024 10:51:36AM

### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Devon Energy - Carlsbad	Date Received:	09/16/24	07:30	Work Order ID:	E409120
Phone:	(505) 382-1211	Date Logged In:	09/13/24	16:36	Logged In By:	Noe Soto
Email:		Due Date:	09/20/24	17:00 (4 day TAT)		
Chain o	f Custody (COC)					
	the sample ID match the COC?		Yes			
	the number of samples per sampling site location mate	h the COC	Yes			
	samples dropped off by client or carrier?		Yes	Carrier: Courier		
	ne COC complete, i.e., signatures, dates/times, request	ed analyses?	Yes			
5. Were	all samples received within holding time?  Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion		Yes		<u>Comment</u>	s/Resolution
	Turn Around Time (TAT) e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample	<u>Cooler</u>					
7. Was a	sample cooler received?		Yes			
8. If yes,	was cooler received in good condition?		Yes			
9. Was th	ne sample(s) received intact, i.e., not broken?		Yes			
10. Were	custody/security seals present?		No			
	s, were custody/security seals intact?		NA			
	he sample received on ice? If yes, the recorded temp is 4°C, i Note: Thermal preservation is not required, if samples are minutes of sampling visible ice, record the temperature. Actual sample t	received w/i 15	Yes			
Sample	<u>Container</u>					
	aqueous VOC samples present?		No			
15. Are	VOC samples collected in VOA Vials?		NA			
16. Is the	e head space less than 6-8 mm (pea sized or less)?		NA			
17. Was	a trip blank (TB) included for VOC analyses?		NA			
18. Are 1	non-VOC samples collected in the correct containers?		Yes			
19. Is the	appropriate volume/weight or number of sample contained	ers collected?	Yes			
Field La	<u>bel</u>					
	e field sample labels filled out with the minimum infor	mation:				
	Sample ID?		Yes			
	Date/Time Collected? Collectors name?		Yes			
	Preservation		No			
	the COC or field labels indicate the samples were pre	eserved?	No			
	sample(s) correctly preserved?		NA			
	o filteration required and/or requested for dissolved me	etals?	No			
	ase Sample Matrix		110			
	the sample have more than one phase, i.e., multiphase	a?	No			
	s, does the COC specify which phase(s) is to be analyze		NA			
		.cu.	INA			
	ract Laboratory					
	samples required to get sent to a subcontract laboratory		No			
29. Was	a subcontract laboratory specified by the client and if	so who?	NA	Subcontract Lab: NA		
Client I	<u>nstruction</u>					

Date

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

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





# envirotech

Practical Solutions for a Better Tomorrow

# **Analytical Report**

Devon Energy - Carlsbad

Project Name: LVP SWD #001

Work Order: E409208

Job Number: 01058-0007

Received: 9/24/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 9/30/24

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

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

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

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

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

Date Reported: 9/30/24

Ashley Giovengo 6488 7 Rivers Hwy Artesia, NM 88210

Project Name: LVP SWD #001

Workorder: E409208

Date Received: 9/24/2024 7:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/24/2024 7:30:00AM, under the Project Name: LVP SWD #001.

The analytical test results summarized in this report with the Project Name: LVP SWD #001 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881 Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

Field Offices:

**Southern New Mexico Area** 

Lynn Jarboe

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

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Michelle Gonzales

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:	LVP SWD #001	Denouted
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	09/30/24 15:32

Client Sample ID	Lab Sample ID Ma	atrix Sampled	Received	Container
BHO1-0'	E409208-01A S	Soil 09/20/24	09/24/24	Glass Jar, 2 oz.
BH01-2'	E409208-02A S	Soil 09/20/24	09/24/24	Glass Jar, 2 oz.
BH02-0'	E409208-03A S	Soil 09/20/24	09/24/24	Glass Jar, 2 oz.
BH02-1.5'	E409208-04A S	Soil 09/20/24	09/24/24	Glass Jar, 2 oz.
BH03-0'	E409208-05A S	Soil 09/20/24	09/24/24	Glass Jar, 2 oz.
BH03-2'	E409208-06A S	Soil 09/20/24	09/24/24	Glass Jar, 2 oz.



Devon Energy - Carlsbad	Project Name:	LVP SWD #001	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	9/30/2024 3:32:15PM

### BHO1-0' E409208-01

		E409208-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Analyte	Result	Limit	Dilution	Prepared	Anatyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: CG		Batch: 2439027
Benzene	ND	0.0250	1	09/24/24	09/29/24	
Ethylbenzene	ND	0.0250	1	09/24/24	09/29/24	
Toluene	ND	0.0250	1	09/24/24	09/29/24	
-Xylene	ND	0.0250	1	09/24/24	09/29/24	
,m-Xylene	ND	0.0500	1	09/24/24	09/29/24	
Total Xylenes	ND	0.0250	1	09/24/24	09/29/24	
Surrogate: 4-Bromochlorobenzene-PID		93.5 %	70-130	09/24/24	09/29/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: CG		Batch: 2439027
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/24/24	09/29/24	
urrogate: 1-Chloro-4-fluorobenzene-FID		95.5 %	70-130	09/24/24	09/29/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: NV		Batch: 2439044
Diesel Range Organics (C10-C28)	ND	25.0	1	09/25/24	09/28/24	
Dil Range Organics (C28-C36)	ND	50.0	1	09/25/24	09/28/24	
Surrogate: n-Nonane		91.0 %	50-200	09/25/24	09/28/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: DT		Batch: 2439038
Chloride	13600	200	10	09/24/24	09/25/24	



Devon Energy - Carlsbad	Project Name:	LVP SWD #001	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	9/30/2024 3:32:15PM

#### BH01-2'

#### E409208-02

		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	A	nalyst: CG		Batch: 2439027
Benzene	ND	0.0250	1	09/24/24	09/29/24	
Ethylbenzene	ND	0.0250	1	09/24/24	09/29/24	
Toluene	ND	0.0250	1	09/24/24	09/29/24	
o-Xylene	ND	0.0250	1	09/24/24	09/29/24	
p,m-Xylene	ND	0.0500	1	09/24/24	09/29/24	
Total Xylenes	ND	0.0250	1	09/24/24	09/29/24	
Surrogate: 4-Bromochlorobenzene-PID		92.9 %	70-130	09/24/24	09/29/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: CG		Batch: 2439027
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/24/24	09/29/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.9 %	70-130	09/24/24	09/29/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: NV		Batch: 2439044
Diesel Range Organics (C10-C28)	ND	25.0	1	09/25/24	09/28/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/25/24	09/28/24	
Surrogate: n-Nonane		95.9 %	50-200	09/25/24	09/28/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: DT		Batch: 2439038
Chloride	1520	40.0	2	09/24/24	09/25/24	



Devon Energy - Carlsbad	Project Name:	LVP SWD #001	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	9/30/2024 3:32:15PM

#### BH02-0'

TC 40	000	າດ ທ	17
E40	971	1X_II	

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: CG		Batch: 2439027
Benzene	ND	0.0250	1	09/24/24	09/29/24	
Ethylbenzene	ND	0.0250	1	09/24/24	09/29/24	
Toluene	ND	0.0250	1	09/24/24	09/29/24	
o-Xylene	ND	0.0250	1	09/24/24	09/29/24	
p,m-Xylene	ND	0.0500	1	09/24/24	09/29/24	
Total Xylenes	ND	0.0250	1	09/24/24	09/29/24	
Surrogate: 4-Bromochlorobenzene-PID		93.8 %	70-130	09/24/24	09/29/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: CG		Batch: 2439027
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/24/24	09/29/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.4 %	70-130	09/24/24	09/29/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: NV		Batch: 2439044
Diesel Range Organics (C10-C28)	ND	25.0	1	09/25/24	09/28/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/25/24	09/28/24	
Surrogate: n-Nonane		88.2 %	50-200	09/25/24	09/28/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: DT		Batch: 2439038
Chloride	15700	400	20	09/24/24	09/25/24	



Devon Energy - Carlsbad	Project Name:	LVP SWD #001	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	9/30/2024 3:32:15PM

### BH02-1.5'

		E409208-04				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: CG		Batch: 2439027
Benzene	ND	0.0250	1	09/24/24	09/29/24	
Ethylbenzene	ND	0.0250	1	09/24/24	09/29/24	
Toluene	ND	0.0250	1	09/24/24	09/29/24	
o-Xylene	ND	0.0250	1	09/24/24	09/29/24	
o,m-Xylene	ND	0.0500	1	09/24/24	09/29/24	
Total Xylenes	ND	0.0250	1	09/24/24	09/29/24	
Surrogate: 4-Bromochlorobenzene-PID		92.3 %	70-130	09/24/24	09/29/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: CG		Batch: 2439027
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/24/24	09/29/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.7 %	70-130	09/24/24	09/29/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: NV		Batch: 2439044
Diesel Range Organics (C10-C28)	ND	25.0	1	09/25/24	09/28/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/25/24	09/28/24	
Surrogate: n-Nonane		95.5 %	50-200	09/25/24	09/28/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: DT		Batch: 2439038
Chloride	10400	200	10	09/24/24	09/25/24	



Devon Energy - Carlsbad	Project Name:	LVP SWD #001	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	9/30/2024 3:32:15PM

#### BH03-0'

		E409208-05				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: CG		Batch: 2439027
Benzene	ND	0.0250	1	09/24/24	09/29/24	
Ethylbenzene	ND	0.0250	1	09/24/24	09/29/24	
Toluene	ND	0.0250	1	09/24/24	09/29/24	
o-Xylene	ND	0.0250	1	09/24/24	09/29/24	
o,m-Xylene	ND	0.0500	1	09/24/24	09/29/24	
Total Xylenes	ND	0.0250	1	09/24/24	09/29/24	
Surrogate: 4-Bromochlorobenzene-PID		93.4 %	70-130	09/24/24	09/29/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	llyst: CG		Batch: 2439027
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/24/24	09/29/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.4 %	70-130	09/24/24	09/29/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: NV		Batch: 2439044
Diesel Range Organics (C10-C28)	90.7	25.0	1	09/25/24	09/28/24	
Oil Range Organics (C28-C36)	103	50.0	1	09/25/24	09/28/24	
Surrogate: n-Nonane		92.5 %	50-200	09/25/24	09/28/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	llyst: DT		Batch: 2439038
Chloride	1280	40.0	2	09/24/24	09/25/24	



Devon Energy - Carlsbad	Project Name:	LVP SWD #001	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	9/30/2024 3:32:15PM

#### BH03-2'

#### E409208-06

		Danastina				
Analyte	Result	Reporting Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	A	nalyst: CG		Batch: 2439027
Benzene	ND	0.0250	1	09/24/24	09/29/24	
Ethylbenzene	ND	0.0250	1	09/24/24	09/29/24	
Toluene	ND	0.0250	1	09/24/24	09/29/24	
o-Xylene	ND	0.0250	1	09/24/24	09/29/24	
p,m-Xylene	ND	0.0500	1	09/24/24	09/29/24	
Total Xylenes	ND	0.0250	1	09/24/24	09/29/24	
Surrogate: 4-Bromochlorobenzene-PID		93.1 %	70-130	09/24/24	09/29/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: CG		Batch: 2439027
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/24/24	09/29/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.5 %	70-130	09/24/24	09/29/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: NV		Batch: 2439044
Diesel Range Organics (C10-C28)	ND	25.0	1	09/25/24	09/28/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/25/24	09/28/24	
Surrogate: n-Nonane		92.3 %	50-200	09/25/24	09/28/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: DT		Batch: 2439038
Chloride	1740	20.0	1	09/24/24	09/25/24	



Surrogate: 4-Bromochlorobenzene-PID

Devon Energy - Carlsbad	Project Name:	LVP SWD #001	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	·
Artesia NM, 88210	Project Manager:	Ashley Giovengo	9/30/2024 3:32:15PM

Artesia NM, 88210		Project Manager:		shley Gioveng	o				9/30/2024 3:32:15PM	
Volatile Organics by EPA 8021B										
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2439027-BLK1)						F	Prepared: 0	9/24/24 Ar	nalyzed: 09/28/24	
Benzene	ND	0.0250								
Ethylbenzene	ND	0.0250								
Toluene	ND	0.0250								
o-Xylene	ND	0.0250								
o,m-Xylene	ND	0.0500								
Total Xylenes	ND	0.0250								
Surrogate: 4-Bromochlorobenzene-PID	7.14		8.00		89.2	70-130				
LCS (2439027-BS1)						F	Prepared: 0	9/24/24 Ar	nalyzed: 09/28/24	
Benzene	5.24	0.0250	5.00		105	70-130				
Ethylbenzene	5.01	0.0250	5.00		100	70-130				
Toluene	5.13	0.0250	5.00		103	70-130				
o-Xylene	4.99	0.0250	5.00		99.8	70-130				
o,m-Xylene	10.1	0.0500	10.0		101	70-130				
Total Xylenes	15.1	0.0250	15.0		101	70-130				
Surrogate: 4-Bromochlorobenzene-PID	7.21		8.00		90.2	70-130				
LCS Dup (2439027-BSD1)						F	Prepared: 0	9/24/24 Ar	nalyzed: 09/28/24	
Benzene	4.85	0.0250	5.00		96.9	70-130	7.75	20		
Ethylbenzene	4.66	0.0250	5.00		93.2	70-130	7.13	20		
Toluene	4.77	0.0250	5.00		95.3	70-130	7.42	20		
o-Xylene	4.65	0.0250	5.00		92.9	70-130	7.11	20		
p,m-Xylene	9.48	0.0500	10.0		94.8	70-130	6.68	20		
Total Xylenes	14.1	0.0250	15.0		94.2	70-130	6.82	20		



Surrogate: 1-Chloro-4-fluorobenzene-FID

### **QC Summary Data**

Devon Energy - Carlsbad	Project Name:	LVP SWD #001	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	9/30/2024 3:32:15PM

Artesia NM, 88210		Project Manage		shley Gioveng	go			9/30	0/2024 3:32:15PM
	Non	halogenated	Organics	by EPA 80	15D - G	RO			Analyst: CG
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2439027-BLK1)						I	Prepared: 0	9/24/24 Analy	yzed: 09/28/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.83		8.00		97.9	70-130			
LCS (2439027-BS2)						I	Prepared: 0	9/24/24 Analy	yzed: 09/28/24
Gasoline Range Organics (C6-C10)	42.6	20.0	50.0		85.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.78		8.00		97.3	70-130			
LCS Dup (2439027-BSD2)						I	Prepared: 0	9/24/24 Analy	yzed: 09/28/24
Gasoline Range Organics (C6-C10)	41.7	20.0	50.0		83.4	70-130	2.14	20	

70-130

Devon Energy - Carlsbad	Project Name:	LVP SWD #001	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	9/30/2024 3:32:15PM

Artesia NM, 88210		Project Manage	r: As	hley Gioveng	go			!	9/30/2024 3:32:15PN			
Nonhalogenated Organics by EPA 8015D - DRO/ORO  Analyst: NV												
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit				
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes			
Blank (2439044-BLK1)							Prepared: 0	9/25/24 Ar	alyzed: 09/28/24			
Diesel Range Organics (C10-C28)	ND	25.0										
Dil Range Organics (C28-C36)	ND	50.0										
urrogate: n-Nonane	47.6		50.0		95.3	50-200						
LCS (2439044-BS1)							Prepared: 0	9/25/24 Ar	alyzed: 09/28/24			
Diesel Range Organics (C10-C28)	260	25.0	250		104	38-132						
urrogate: n-Nonane	51.4		50.0		103	50-200						
Matrix Spike (2439044-MS1)				Source:	E409208-	01	Prepared: 0	9/25/24 Ar	alyzed: 09/28/24			
Diesel Range Organics (C10-C28)	266	25.0	250	ND	106	38-132						
urrogate: n-Nonane	51.5		50.0		103	50-200						
Matrix Spike Dup (2439044-MSD1)				Source:	E409208-	01	Prepared: 0	9/25/24 Ar	alyzed: 09/28/24			
Diesel Range Organics (C10-C28)	273	25.0	250	ND	109	38-132	2.67	20				
'urrogate: n-Nonane	53.6		50.0		107	50-200						



Chloride

### **QC Summary Data**

Devon Energy - Carlsbad		Project Name:	LV	P SWD #001	l				Reported:
6488 7 Rivers Hwy		Project Number:	01	058-0007					
Artesia NM, 88210		Project Manager	: As	hley Gioveng	go				9/30/2024 3:32:15PM
		Anions	by EPA 3	00.0/9056	4				Analyst: DT
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2439038-BLK1)							Prepared: 0	9/24/24 A	nalyzed: 09/25/24
Chloride	ND	20.0							
LCS (2439038-BS1)							Prepared: 0	9/24/24 A	nalyzed: 09/25/24
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2439038-MS1)				Source:	E409202-	02	Prepared: 0	9/24/24 A	nalyzed: 09/25/24
Chloride	297	20.0	250	47.1	100	80-120			
Matrix Spike Dup (2439038-MSD1)				Source:	E409202-	02	Prepared: 0	9/24/24 A	nalyzed: 09/25/24

250

20.0

47.1

99.4

80-120

0.574

#### 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:	LVP SWD #001	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	09/30/24 15:32

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



**Client Information** 

Chain	- 5	C	4.
Chain	OT	Custo	αy

**Invoice Information** 

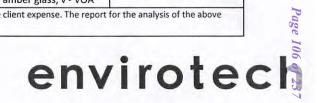
Lab Use Only

TAT

		State		-
DIDA	СО	2.32.0		-
INIV	CO	101	TX	
	-	-		
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WSID#				
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m.com				
gal action				
gal action	d on ice	the day	they ar	e

Client: [		H			-	Company: Devon	#150	_ La	Job Number				Std	d NM CO UT TX										
	LYP SWD			_	1 1 1 2 3	Address: 205 E Bender Road		_ <u> </u> E	-10	100	0	UIC	סכ י	-00	0 7				X	X				
	Manager: As : 3122 Natio					City, State, Zip: Hobbs NM, 8 Phone: (575)748-1838	38240	-		_		Ans	lycic	and	Mot	hod				C.F.	A Drogr	n m		
	The second second second	William Program 2			- 1	Email: dale.woodall@dvn.o		-	-	Analysis and Method						EPA Program								
	te, Zip: Carls 575-988-005		00220			Aiscellaneous: Dale Woodall	com	-												SDWA	CWA	RCRA		
	giovengo@e		om		- "	discellarieous. Dale Woodali														Complian	ce Y	or N		
Lillall. d	giovengowe	11301u111.c	OIII					_	8015	8015								PWSID#	e   1	OI   IV				
-				Sampl	e Informa	ntion			to by	O by	8021	8260	300.0	300.	NN	15 - TX	Metal			- 3	1 W315 #			
Time Sampled	Date Sampled	Matrix	No. of Containers			Sample ID		Sample ID			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					Remarks	
945	9/20/24	5	1	BHOI	-0'			1						X										
1007	9/20/24	5	1	BHOI	-21			2						X										
1030	9/20/24	5	1	B1402	1-0'			3						X										
1650	9/20/24	S	1	BHOS	2-1.5			4						X										
1137	9/20/24	S	1	BH03	5-01			5						X										
1143	9/20/24	2	ì	BH03	-21			6						X										
										-										7				
									+															
Addition	nal Instruction	ns: Ple	ase CC: cb	urton@en	solum.co	m, agiovengo@ensolum.com	n, dale.woo	dall@c	dvn.cc	om, c	hami	lton(	ens	olum	ı.con	n, ies	strell	a@ei	nsol	um.com				
I, (field sam	pler), attest to th	e validity and	dauthenticity	of this sample.	I am aware	that tampering with or intentionally mis	labeling the sam	ple locat	ion, date	e or tim	ne of co	ollectio	n is cor	nsidere	d frau	d and	may be	e groun	ds for	legal action.				
Relinquish	ned by: (Signatu	re)	Date	Ti	ime 130	Received by: (Signature)	Date	130	247	0	fo	5		100000		AT CHEST	The state of the state of			ust be received g temp above 0				
100	ed by: (Signatu		Date	732	1638	Received by: (Signature)	Date 9.2	3.20	Time (	73	30			Rece	eived	l on i	ce:		b Us	se Only				
/hon	ned by: (Signatu	100		13.24	1400			13-24			0			<u>T1</u>			_	<u>T2</u>			<u>T3</u>			
	ned by: (Signatu		Date	1	ime	Received by: (Signature)	Date	inor T	Time			nolv'	alact:		Ten			1						
	trix: S - Soil, Sd - S				dlv			ainer Ty			200					_				C	V.510 . F.1	a to but		
						ner arrangements are made. Hazaro									e chen	it exp	ense.	ine re	port	ior the anal	yais of the	above		





envirotech Inc.

Printed: 9/24/2024 12:06:33PM

### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Devon Energy - Carlsbad	Date Received:	09/24/24	07:30	Work Order ID:	E409208
Phone:	(505) 382-1211	Date Logged In:	09/23/24	14:55	Logged In By:	Caitlin Mars
Email:	ashley.giovengo@wescominc.com	Due Date:	09/30/24	17:00 (4 day TAT)		
Chain of	Custody (COC)					
	e sample ID match the COC?		Yes			
	ne number of samples per sampling site location man	tch the COC	Yes			
	amples dropped off by client or carrier?		Yes	Carrier: Courier		
	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes			
5. Were al	Il samples received within holding time?  Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssi		Yes		<u>Comment</u>	s/Resolution
Sample T	<u>urn Around Time (TAT)</u>					
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes			
Sample C	<u>Cooler</u>					
7. Was a s	sample cooler received?		Yes			
8. If yes, v	was cooler received in good condition?		Yes			
9. Was the	e sample(s) received intact, i.e., not broken?		Yes			
10. Were	custody/security seals present?		No			
11. If yes,	were custody/security seals intact?		NA			
	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes C			
Sample C	•		_			
	queous VOC samples present?		No			
	OC samples collected in VOA Vials?		NA			
	head space less than 6-8 mm (pea sized or less)?		NA			
	trip blank (TB) included for VOC analyses?		NA			
	on-VOC samples collected in the correct containers'	?	Yes			
	appropriate volume/weight or number of sample contain		Yes			
Field Lab	el					
20. Were :	— field sample labels filled out with the minimum info	ormation:				
	ample ID?		Yes			
	ate/Time Collected?		Yes			
	ollectors name?		Yes			
	reservation		NT.			
	the COC or field labels indicate the samples were pr	reserved?	No			
	umple(s) correctly preserved? filteration required and/or requested for dissolved n	actale?	NA Na			
	•	ictais:	No			
	se Sample Matrix	0				
	the sample have more than one phase, i.e., multipha		No			
27. If yes,	does the COC specify which phase(s) is to be analy	yzed?	NA			
Subcontr	act Laboratory					
	imples required to get sent to a subcontract laborato	-	No			
29. Was a	subcontract laboratory specified by the client and it	f so who?	NA	Subcontract Lab: NA		
Client In	astruction_					

Date

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

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





# envirotech

Practical Solutions for a Better Tomorrow

# **Analytical Report**

Devon Energy - Carlsbad

Project Name: LVP SWD #1

Work Order: E410116

Job Number: 01058-0007

Received: 10/13/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 10/17/24

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

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

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

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

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

Date Reported: 10/17/24

Ashley Giovengo 6488 7 Rivers Hwy Artesia, NM 88210

Project Name: LVP SWD #1

Workorder: E410116

Date Received: 10/13/2024 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/13/2024 8:00:00AM, under the Project Name: LVP SWD #1.

The analytical test results summarized in this report with the Project Name: LVP SWD #1 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881 Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe

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

Cell: 505-320-4759

ljarboe@envirotech-inc.com

**Michelle Gonzales** 

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:	LVP SWD #1	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	Keporteu:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	10/17/24 08:17

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS08A-3'	E410116-01A	Soil	10/10/24	10/13/24	Glass Jar, 2 oz.
SS10-3'	E410116-02A	Soil	10/10/24	10/13/24	Glass Jar, 2 oz.
SS10A-3'	E410116-03A	Soil	10/10/24	10/13/24	Glass Jar, 2 oz.
BH01-4'	E410116-04A	Soil	10/10/24	10/13/24	Glass Jar, 2 oz.
BH02-3'	E410116-05A	Soil	10/10/24	10/13/24	Glass Jar, 2 oz.
BH03-4'	E410116-06A	Soil	10/10/24	10/13/24	Glass Jar, 2 oz.
BH03-4.5'	E410116-07A	Soil	10/10/24	10/13/24	Glass Jar, 2 oz.



Devon Energy - Carlsbad	Project Name:	LVP SWD #1	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	10/17/2024 8:17:40AM

## SS08A-3' E410116-01

		2.10110 01					
		Reporting					
Analyte	Result	Limit	Dil	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	: RKS		Batch: 2442003
Benzene	ND	0.0250		1	10/14/24	10/15/24	
Ethylbenzene	ND	0.0250		1	10/14/24	10/15/24	
Toluene	ND	0.0250		1	10/14/24	10/15/24	
o-Xylene	ND	0.0250		1	10/14/24	10/15/24	
p,m-Xylene	ND	0.0500		1	10/14/24	10/15/24	
Total Xylenes	ND	0.0250		1	10/14/24	10/15/24	
Surrogate: Bromofluorobenzene		97.3 %	70-130		10/14/24	10/15/24	
Surrogate: 1,2-Dichloroethane-d4		99.4 %	70-130		10/14/24	10/15/24	
Surrogate: Toluene-d8		98.6 %	70-130		10/14/24	10/15/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	: RKS		Batch: 2442003
Gasoline Range Organics (C6-C10)	ND	20.0		1	10/14/24	10/15/24	
Surrogate: Bromofluorobenzene		97.3 %	70-130		10/14/24	10/15/24	
Surrogate: 1,2-Dichloroethane-d4		99.4 %	70-130		10/14/24	10/15/24	
Surrogate: Toluene-d8		98.6 %	70-130		10/14/24	10/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: NV		Batch: 2442021
Diesel Range Organics (C10-C28)	ND	25.0		1	10/14/24	10/14/24	
Oil Range Organics (C28-C36)	ND	50.0		1	10/14/24	10/14/24	
Surrogate: n-Nonane		105 %	50-200		10/14/24	10/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: DT		Batch: 2442005
Chloride	830	20.0		1	10/14/24	10/14/24	



Devon Energy - Carlsbad	Project Name:	LVP SWD #1	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	10/17/2024 8:17:40AM

#### SS10-3' E410116-02

Analyte	Result	Reporting Limit	Dilut	tion Prep	ared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RKS			Batch: 2442003
Benzene	ND	0.0250	1	10/14	4/24	10/15/24	Batem 2 1 12003
Ethylbenzene	ND	0.0250	1	10/14		10/15/24	
Toluene	ND	0.0250	1	10/14	4/24	10/15/24	
o-Xylene	ND	0.0250	1	10/14	4/24	10/15/24	
p,m-Xylene	ND	0.0500	1	10/1	4/24	10/15/24	
Total Xylenes	ND	0.0250	1	10/1	4/24	10/15/24	
Surrogate: Bromofluorobenzene		98.2 %	70-130	10/1-	4/24	10/15/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	10/1-	4/24	10/15/24	
Surrogate: Toluene-d8		101 %	70-130	10/1	4/24	10/15/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: RKS			Batch: 2442003
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/1	4/24	10/15/24	
Surrogate: Bromofluorobenzene		98.2 %	70-130	10/1-	4/24	10/15/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	10/1-	4/24	10/15/24	
Surrogate: Toluene-d8		101 %	70-130	10/1	4/24	10/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: NV			Batch: 2442021
Diesel Range Organics (C10-C28)	ND	25.0	1	10/1	4/24	10/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/14	4/24	10/14/24	
Surrogate: n-Nonane		102 %	50-200	10/1-	4/24	10/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT			Batch: 2442005
Chloride	321	20.0	1	10/14	4/24	10/14/24	



Devon Energy - Carlsbad	Project Name:	LVP SWD #1	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	10/17/2024 8:17:40AM

#### SS10A-3' E410116-03

		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: RKS		Batch: 2442003
Benzene	ND	0.0250		1	10/14/24	10/15/24	
Ethylbenzene	ND	0.0250		1	10/14/24	10/15/24	
Toluene	ND	0.0250		1	10/14/24	10/15/24	
o-Xylene	ND	0.0250		1	10/14/24	10/15/24	
p,m-Xylene	ND	0.0500		1	10/14/24	10/15/24	
Total Xylenes	ND	0.0250		1	10/14/24	10/15/24	
Surrogate: Bromofluorobenzene		95.5 %	70-130		10/14/24	10/15/24	
Surrogate: 1,2-Dichloroethane-d4		99.0 %	70-130		10/14/24	10/15/24	
Surrogate: Toluene-d8		101 %	70-130		10/14/24	10/15/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: RKS		Batch: 2442003
Gasoline Range Organics (C6-C10)	ND	20.0		1	10/14/24	10/15/24	
Surrogate: Bromofluorobenzene		95.5 %	70-130		10/14/24	10/15/24	
Surrogate: 1,2-Dichloroethane-d4		99.0 %	70-130		10/14/24	10/15/24	
Surrogate: Toluene-d8		101 %	70-130		10/14/24	10/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: NV		Batch: 2442021
Diesel Range Organics (C10-C28)	ND	25.0		1	10/14/24	10/14/24	
Oil Range Organics (C28-C36)	ND	50.0		1	10/14/24	10/14/24	
Surrogate: n-Nonane		102 %	50-200		10/14/24	10/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: DT		Batch: 2442005
Chloride	673	20.0		1	10/14/24	10/14/24	

Devon Energy - CarlsbadProject Name:LVP SWD #16488 7 Rivers HwyProject Number:01058-0007Reported:Artesia NM, 88210Project Manager:Ashley Giovengo10/17/2024 8:17:40AM

#### BH01-4' E410116-04

		2.10110 01					
Analyte	Result	Reporting Limit		lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS	<u> </u>	Batch: 2442003
Benzene	ND	0.0250		1	10/14/24	10/15/24	
Ethylbenzene	ND	0.0250		1	10/14/24	10/15/24	
Toluene	ND	0.0250		1	10/14/24	10/15/24	
o-Xylene	ND	0.0250		1	10/14/24	10/15/24	
p,m-Xylene	ND	0.0500		1	10/14/24	10/15/24	
Total Xylenes	ND	0.0250		1	10/14/24	10/15/24	
Surrogate: Bromofluorobenzene		97.1 %	70-130		10/14/24	10/15/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		10/14/24	10/15/24	
Surrogate: Toluene-d8		102 %	70-130		10/14/24	10/15/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	RKS		Batch: 2442003
Gasoline Range Organics (C6-C10)	ND	20.0		1	10/14/24	10/15/24	
Surrogate: Bromofluorobenzene		97.1 %	70-130		10/14/24	10/15/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		10/14/24	10/15/24	
Surrogate: Toluene-d8		102 %	70-130		10/14/24	10/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	NV		Batch: 2442021
Diesel Range Organics (C10-C28)	ND	25.0		1	10/14/24	10/14/24	
Oil Range Organics (C28-C36)	ND	50.0		1	10/14/24	10/14/24	
Surrogate: n-Nonane		94.9 %	50-200		10/14/24	10/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2442005
Chloride	189	20.0		1	10/14/24	10/14/24	

Devon Energy - CarlsbadProject Name:LVP SWD #16488 7 Rivers HwyProject Number:01058-0007Reported:Artesia NM, 88210Project Manager:Ashley Giovengo10/17/2024 8:17:40AM

#### BH02-3' E410116-05

		L+10110-03					
Andre	D14	Reporting		4:	D 1	A	N
Analyte	Result	Limit	Dilut	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst: RK	S		Batch: 2442003
Benzene	ND	0.0250	1		10/14/24	10/15/24	
Ethylbenzene	ND	0.0250	1		10/14/24	10/15/24	
Toluene	ND	0.0250	1		10/14/24	10/15/24	
o-Xylene	ND	0.0250	1		10/14/24	10/15/24	
p,m-Xylene	ND	0.0500	1		10/14/24	10/15/24	
Total Xylenes	ND	0.0250	1		10/14/24	10/15/24	
Surrogate: Bromofluorobenzene		98.0 %	70-130		10/14/24	10/15/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		10/14/24	10/15/24	
Surrogate: Toluene-d8		100 %	70-130		10/14/24	10/15/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: RK	S		Batch: 2442003
Gasoline Range Organics (C6-C10)	ND	20.0	1		10/14/24	10/15/24	
Surrogate: Bromofluorobenzene		98.0 %	70-130		10/14/24	10/15/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		10/14/24	10/15/24	
Surrogate: Toluene-d8		100 %	70-130		10/14/24	10/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: NV			Batch: 2442021
Diesel Range Organics (C10-C28)	ND	25.0	1		10/14/24	10/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	·	10/14/24	10/14/24	
Surrogate: n-Nonane		109 %	50-200		10/14/24	10/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: DT			Batch: 2442005
Chloride	1200	20.0	1		10/14/24	10/14/24	



Devon Energy - Carlsbad	Project Name:	LVP SWD #1	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	10/17/2024 8:17:40AM

#### BH03-4' E410116-06

		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS		Batch: 2442003
Benzene	ND	0.0250		1	10/14/24	10/15/24	
Ethylbenzene	ND	0.0250		1	10/14/24	10/15/24	
Toluene	ND	0.0250		1	10/14/24	10/15/24	
o-Xylene	ND	0.0250		1	10/14/24	10/15/24	
p,m-Xylene	ND	0.0500		1	10/14/24	10/15/24	
Total Xylenes	ND	0.0250	į	1	10/14/24	10/15/24	
Surrogate: Bromofluorobenzene		95.0 %	70-130		10/14/24	10/15/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		10/14/24	10/15/24	
Surrogate: Toluene-d8		101 %	70-130		10/14/24	10/15/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	RKS		Batch: 2442003
Gasoline Range Organics (C6-C10)	ND	20.0		1	10/14/24	10/15/24	
Surrogate: Bromofluorobenzene		95.0 %	70-130		10/14/24	10/15/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		10/14/24	10/15/24	
Surrogate: Toluene-d8		101 %	70-130		10/14/24	10/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	NV		Batch: 2442021
Diesel Range Organics (C10-C28)	ND	25.0		1	10/14/24	10/14/24	
Oil Range Organics (C28-C36)	ND	50.0		1	10/14/24	10/14/24	
Surrogate: n-Nonane		96.1 %	50-200		10/14/24	10/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2442005
Chloride	336	20.0		1	10/14/24	10/14/24	



Devon Energy - CarlsbadProject Name:LVP SWD #16488 7 Rivers HwyProject Number:01058-0007Reported:Artesia NM, 88210Project Manager:Ashley Giovengo10/17/2024 8:17:40AM

#### BH03-4.5' E410116-07

sult	Reporting Limit	Di	lution	Prepared	Analyzed	Notes
/kg	mg/kg		Analyst:	RKS		Batch: 2442003
D	0.0250		1	10/14/24	10/15/24	
D	0.0250		1	10/14/24	10/15/24	
D	0.0250		1	10/14/24	10/15/24	
D	0.0250		1	10/14/24	10/15/24	
D	0.0500		1	10/14/24	10/15/24	
D	0.0250		1	10/14/24	10/15/24	
	96.0 %	70-130		10/14/24	10/15/24	
	101 %	70-130		10/14/24	10/15/24	
	102 %	70-130		10/14/24	10/15/24	
/kg	mg/kg		Analyst:	RKS		Batch: 2442003
D	20.0		1	10/14/24	10/15/24	
	96.0 %	70-130		10/14/24	10/15/24	
	101 %	70-130		10/14/24	10/15/24	
	102 %	70-130		10/14/24	10/15/24	
/kg	mg/kg		Analyst:	NV		Batch: 2442021
D	25.0		1	10/14/24	10/14/24	-
D	50.0		1	10/14/24	10/14/24	
	91.7 %	50-200		10/14/24	10/14/24	
/kg	mg/kg		Analyst:	DT		Batch: 2442005
-1-5	0 0					
<u>/ I I I I I I I I I I I I I I I I I I I</u>	/kg D D D D D D D D Vkg D	Limit  /kg mg/kg  D 0.0250  D 0.0250  D 0.0250  D 0.0250  D 0.0250  D 0.0500  D 0.0250  P6.0 %  101 %  102 %  /kg mg/kg  D 20.0  96.0 %  101 %  102 %  /kg mg/kg  D 25.0  D 50.0  91.7 %	Limit   Di	Limit   Dilution	Limit   Dilution   Prepared	Limit   Dilution   Prepared   Analyzed



## **QC Summary Data**

LVP SWD #1 Devon Energy - Carlsbad Project Name: Reported: 6488 7 Rivers Hwy Project Number: 01058-0007 Artesia NM, 88210 Project Manager: Ashley Giovengo 10/17/2024 8:17:40AM Volatile Organic Compounds by EPA 8260B Analyst: RKS Spike Source RPD Reporting Rec Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % % Notes Blank (2442003-BLK1) Prepared: 10/14/24 Analyzed: 10/15/24 ND 0.0250 ND Ethylbenzene 0.0250 ND Toluene 0.0250 o-Xylene ND 0.0250 ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: Bromofluorobenzene 0.487 0.500 97.3 70-130 Surrogate: 1,2-Dichloroethane-d4 0.485 0.500 97.0 70-130 0.516 0.500 103 70-130 Surrogate: Toluene-d8 LCS (2442003-BS1) Prepared: 10/14/24 Analyzed: 10/15/24

,						•	
Benzene	2.26	0.0250	2.50	90.3	70-130		
Ethylbenzene	2.46	0.0250	2.50	98.2	70-130		
Toluene	2.34	0.0250	2.50	93.6	70-130		
o-Xylene	2.45	0.0250	2.50	98.0	70-130		
p,m-Xylene	4.91	0.0500	5.00	98.3	70-130		
Total Xylenes	7.36	0.0250	7.50	98.2	70-130		
Surrogate: Bromofluorobenzene	0.479		0.500	95.7	70-130		
Surrogate: 1,2-Dichloroethane-d4	0.510		0.500	102	70-130		
Surrogate: Toluene-d8	0.504		0.500	101	70-130		

Matrix Spike (2442003-MS1)				Source:	E410117-	02	Prepared: 10/14/24 Analyzed: 10/15/24
Benzene	2.33	0.0250	2.50	ND	93.3	48-131	
Ethylbenzene	2.50	0.0250	2.50	ND	100	45-135	
Toluene	2.41	0.0250	2.50	ND	96.2	48-130	
o-Xylene	2.53	0.0250	2.50	ND	101	43-135	
p,m-Xylene	5.06	0.0500	5.00	ND	101	43-135	
Total Xylenes	7.58	0.0250	7.50	ND	101	43-135	
Surrogate: Bromofluorobenzene	0.486		0.500		97.2	70-130	
Surrogate: 1,2-Dichloroethane-d4	0.500		0.500		99.9	70-130	
Surrogate: Toluene-d8	0.501		0.500		100	70-130	

Matrix Spike Dup (2442003-MSD1)				Source:	: E410117-	02	Prepared: 10/14/24 Analyzed: 10/15/24					
Benzene	2.33	0.0250	2.50	ND	93.3	48-131	0.0214	23				
Ethylbenzene	2.55	0.0250	2.50	ND	102	45-135	1.84	27				
Toluene	2.43	0.0250	2.50	ND	97.1	48-130	0.890	24				
o-Xylene	2.51	0.0250	2.50	ND	100	43-135	0.655	27				
p,m-Xylene	5.08	0.0500	5.00	ND	102	43-135	0.503	27				
Total Xylenes	7.59	0.0250	7.50	ND	101	43-135	0.119	27				
Surrogate: Bromofluorobenzene	0.486		0.500		97.2	70-130						
Surrogate: 1,2-Dichloroethane-d4	0.478		0.500		95.5	70-130						
Surrogate: Toluene-d8	0.513		0.500		103	70-130						

Surrogate: 1,2-Dichloroethane-d4

Surrogate: Toluene-d8

## **QC Summary Data**

Devon Energy - CarlsbadProject Name:LVP SWD #1Reported:6488 7 Rivers HwyProject Number:01058-0007Artesia NM, 88210Project Manager:Ashley Giovengo10/17/2024 8:17:40AM

Artesia NM, 88210		Project Number: Project Manager		shley Gioveng	go			1	10/17/2024 8:17:40A
	Non	halogenated (	Organics	by EPA 80	15D - GI	RO			Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2442003-BLK1)							Prepared: 1	0/14/24 A	nalyzed: 10/15/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.487		0.500		97.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.485		0.500		97.0	70-130			
Surrogate: Toluene-d8	0.516		0.500		103	70-130			
LCS (2442003-BS2)							Prepared: 1	0/14/24 A	nalyzed: 10/15/24
Gasoline Range Organics (C6-C10)	53.8	20.0	50.0		108	70-130			
Surrogate: Bromofluorobenzene	0.500		0.500		99.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.512		0.500		102	70-130			
Surrogate: Toluene-d8	0.520		0.500		104	70-130			
Matrix Spike (2442003-MS2)				Source:	E410117-0	02	Prepared: 1	0/14/24 A	nalyzed: 10/15/24
Gasoline Range Organics (C6-C10)	55.2	20.0	50.0	ND	110	70-130			
Surrogate: Bromofluorobenzene	0.499		0.500		99.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.508		0.500		102	70-130			
Surrogate: Toluene-d8	0.511		0.500		102	70-130			
Matrix Spike Dup (2442003-MSD2)				Source:	E410117-0	02	Prepared: 1	0/14/24 A	nalyzed: 10/15/24
Gasoline Range Organics (C6-C10)	54.0	20.0	50.0	ND	108	70-130	2.30	20	
Surrogate: Bromofluorobenzene	0.505		0.500		101	70-130			

0.500

0.500

0.473

0.507

94.5

101

70-130

70-130



# **QC Summary Data**

Devon Energy - Carlsbad	Project Name:	LVP SWD #1	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	10/17/2024 8:17:40AM

Artesia NM, 88210		Project Manager	r: As	hley Gioveng	go			10	/17/2024 8:17:40Af
	Nonha	logenated Or	ganics by l	EPA 8015I	) - DRO	/ORO			Analyst: NV
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2442021-BLK1)							Prepared: 1	0/14/24 Ana	lyzed: 10/14/24
Diesel Range Organics (C10-C28)	ND	25.0							
il Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	47.0		50.0		94.0	50-200			
LCS (2442021-BS1)							Prepared: 1	0/14/24 Ana	lyzed: 10/14/24
Diesel Range Organics (C10-C28)	252	25.0	250		101	38-132			
urrogate: n-Nonane	49.3		50.0		98.6	50-200			
Matrix Spike (2442021-MS1)				Source:	E410116-0	)1	Prepared: 1	0/14/24 Ana	lyzed: 10/14/24
Diesel Range Organics (C10-C28)	275	25.0	250	ND	110	38-132			
urrogate: n-Nonane	51.0		50.0		102	50-200			
Matrix Spike Dup (2442021-MSD1)				Source:	E410116-0	)1	Prepared: 1	0/14/24 Ana	lyzed: 10/14/24
Diesel Range Organics (C10-C28)	273	25.0	250	ND	109	38-132	0.583	20	
urrogate: n-Nonane	51.7		50.0		103	50-200			

## **QC Summary Data**

Devon Energy - Carlsbad 6488 7 Rivers Hwy		Project Name: Project Number:		VP SWD #1 1058-0007					Reported:
Artesia NM, 88210		Project Manager		shley Gioveng		10/17/2024 8:17:40A			
		Anions	by EPA	300.0/9056 <i>A</i>	4				Analyst: DT
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2442005-BLK1)							Prepared:	10/14/24 A	Analyzed: 10/14/24
Chloride	ND	20.0							
LCS (2442005-BS1)							Prepared:	10/14/24	Analyzed: 10/14/24
Chloride	260	20.0	250		104	90-110			
Matrix Spike (2442005-MS1)				Source:	E410115-0	)5	Prepared:	10/14/24	Analyzed: 10/14/24
Chloride	679	200	250	422	103	80-120			
Matrix Spike Dup (2442005-MSD1)				Source:	E410115-0	)5	Prepared:	10/14/24	Analyzed: 10/14/24
Chloride	682	200	250	422	104	80-120	0.376	20	

#### QC Summary Report Comment:

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



## **Definitions and Notes**

Γ	Devon Energy - Carlsbad	Project Name:	LVP SWD #1	
l	6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
١	Artesia NM, 88210	Project Manager:	Ashley Giovengo	10/17/24 08:17

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.



Released to Imaging: 4/7/2025 8:57:39 AM

Page	 of_	
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	Clie	nt Inform	ation			Invoice Information					Lab U	se O	ıly				TA	\T	State
Client: D	evon				┪	Company: Devon		La	b W	O#		Job	Num	ber		1D	2D	3D St	d NM CO UT TX
	LVP SWD #1				ł	Address: 205 E Bender Road #1	50		41	0# 011	10	101	058	.00	ו דנ			Х	
	lanager: As		engo			City, State, Zip: Hobbs NM, 882		[~							•			•	
	3122 Natio				]	Phone: (575)748-1838			Г			An	alysis	and	Meti	hod			EPA Program
City, Stat	e, Zip: Carls	bad NM,	88220		_	Email: dale.woodall@dvn.com													SDWA CWA RCRA
Phone: 5	<u> </u>	5				Miscellaneous: Dale Woodall						1	Ì		l				
Email: a	giovengo@e	nsolum.c	om		_				#	אַן אַ	2		l		l				Compliance Y or N
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				Sample	Inform	nation			니 :	2   2		826	ا ا	Ž					
Time Sampled	Date Sampled	Matrix	No. of Containers			Sample ID	Field	Lab Numbe	er er	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	GRO// DRO BY 8013 BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals			Remarks
1005	10/10/24	S	1		5:	SO8A-3'								X					Mostly Rock Must Pulverice
1419	10/10/24	5	1			10 - 3'		2				1		χ					
1447	10110iz¥	ζ	1	5.		A - 3'		3						χ					Must Palvery
12,2	10/10/24	ς	1	-		101-4		4						χ					Must Pulverice Must Pulverize
	10/10/24	C	\			102-31		5		1				X					100 Land 100
7, 20	10/10/24		1					4	T	1	$\top$	$\dagger$	-	X					Mastly Rock
1604		5				103-41	$\dashv$	<del>                                     </del>	╅	+	╅	+	-	<u> </u>				$\vdash$	Must Pulverice Mostly Rock
1630	10/10/24	5	(		131	103-4.5	+	7	+	+	+		-	X			_		Mast Palvaries
ļ								-	_	$\perp$		-	_				_		
																-			
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Addition	al Instructio	ns: Plea	se CC: cb	urton@ensc	olum.c	om, agiovengo@ensolum.com, o	lale.wo	odall@d	dvn.c	com,	cham	ilton	@ens	olun	n.con	n, ie	strel	a@ens	olum.com,
bdeal@e	ensolum.con	n, bsimme	ons@ens	olum.com, je	zonza	es@ensolum.com, oaderinto@e	<u>nsolum</u>	.com											
I			authenticity	of this sample. I	am awa	re that tampering with or intentionally mislab	ling the sa	mple locat	ion, da	ate or t	ime of	ollectio	n is co	nsidere	d frau	d and	may b	e grounds	for legal action.
	Chad Hamil						/ Invi		l <del>e</del> s.			1		lea-nai		-1			must be received on ice the day they are
Relinquish	ed by: (Signatu	(e)	Date	Tim	е	Received by: (Signature)	Date		"ال	// 4	17	İ				_	-		avg temp above 0 but less than 6 °C on
Polinguich	ed by: (Signatu	rol 1	10/ Date	///24 Time		Regelyted by: (Signature)  Date  Time  Lab I							Use Only						
		yano	10	11.24 1	63	Regelyed by: (Signature)	10	.11.24	1	170		Received on ice: (Y) N							
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Relinquish	ed by: (Signatu	re)	Date	Time	e	Received by: (Signature)	Date	•	Tir	me				AVG	i Tem	ס מו		4	
Sample Mat	rix: S - Soil, Sd - S	olid, <b>Sg</b> - Sluc	ige, A - Aque	ous, O - Other			Cor	tainer T	ype: (	g - gla	iss, p -	poly/	plasti	c, ag	- amb	er g	lass, v	/L VOA	
						other arrangements are made. Hazardou									e clien	t exp	ense.	The repo	ort for the analysis of the above
samples is	applicable only	to those sa	amples rece	ived by the lab	oratory	with this COC. The liability of the labora	tory is lim	ited to th	e amo	ount p	oaid for	on th	e repo	rt.					



ent expense. The report for the analysis of the above

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ent expense. The report for the analysis of the above

envirotech Inc.

Printed: 10/14/2024 10:00:49AM

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Devon Energy - Carlsbad	Date Received:	10/13/24	08:00		Work Order ID:	E410116
Phone:	(505) 382-1211	Date Logged In:	10/11/24	14:37		Logged In By:	Caitlin Mars
Email:	ashley.giovengo@wescominc.com	Due Date:	10/18/24	17:00 (4 day TAT)			
Chain of	Custody (COC)						
			Yes				
	ne sample ID match the COC? The number of samples per sampling site location ma	tch the COC					
	amples dropped off by client or carrier?	ion the coc	Yes Yes	<b>a</b> : <b>a</b>			
	e COC complete, i.e., signatures, dates/times, reque	eted analyses?	Yes	Carrier: <u>C</u>	ourier		
	Il samples received within holding time?	sted analyses:	Yes				
J. Wele a	Note: Analysis, such as pH which should be conducted i i.e, 15 minute hold time, are not included in this disucssi		168			Comment	s/Resolution
Sample T	urn Around Time (TAT)						
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C	<u>Cooler</u>						
7. Was a s	sample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was the	e sample(s) received intact, i.e., not broken?		Yes				
10. Were	custody/security seals present?		No				
	were custody/security seals intact?		NA				
	e sample received on ice? If yes, the recorded temp is 4°C	ie 6°+2°C	Yes				
	Note: Thermal preservation is not required, if samples arminutes of sampling	re received w/i 15					
13. If no v	visible ice, record the temperature. Actual sample	temperature: 4°C	2				
Sample C	Container queous VOC samples present?		No				
	OC samples collected in VOA Vials?		No NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers	9	Yes				
	appropriate volume/weight or number of sample contain		Yes				
	· · · · · · · · · · · · · · · · · · ·	ners conected:	105				
Field Lab	field sample labels filled out with the minimum info	armetion:					
	ample ID?	ormation.	Yes				
	ate/Time Collected?		Yes	L			
C	ollectors name?		Yes				
Sample P	reservation_						
21. Does	the COC or field labels indicate the samples were p	reserved?	No				
22. Are sa	ample(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved r	netals?	No				
Multipha	se Sample Matrix						
26. Does	the sample have more than one phase, i.e., multipha	ise?	No				
27. If yes,	does the COC specify which phase(s) is to be analy	yzed?	NA				
Subcontr	act Laboratory						
	amples required to get sent to a subcontract laborate	rv?	No				
	subcontract laboratory specified by the client and i	•	NA	Subcontract Lab	· NA		
	istruction	1 50 W.10.	111.2	Subcontract East	. 1 1 1 1		
CHEILI	isti uction						
Samples	s 1,3,4,6 & 7- Mostly rock must pulverize Per	client.					
	•						

Date

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

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





# envirotech

Practical Solutions for a Better Tomorrow

# **Analytical Report**

Devon Energy - Carlsbad

Project Name: LVP SWD #001

Work Order: E410117

Job Number: 01058-0007

Received: 10/14/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 10/17/24

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

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

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

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

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

Date Reported: 10/17/24

Ashley Giovengo 6488 7 Rivers Hwy Artesia, NM 88210

Project Name: LVP SWD #001

Workorder: E410117

Date Received: 10/14/2024 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/14/2024 8:00:00AM, under the Project Name: LVP SWD #001.

The analytical test results summarized in this report with the Project Name: LVP SWD #001 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881 Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

Field Offices:

**Southern New Mexico Area** 

Lynn Jarboe

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

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Michelle Gonzales

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:	LVP SWD #001	Donouted.
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	10/17/24 08:19

Client Sample ID	Lab Sample ID M	latrix	Sampled	Received	Container
SS08A-2'	E410117-01A	Soil	10/10/24	10/14/24	Glass Jar, 2 oz.
SS10A-2'	E410117-02A	Soil	10/10/24	10/14/24	Glass Jar, 2 oz.
SS10-2'	E410117-03A	Soil	10/10/24	10/14/24	Glass Jar, 2 oz.
BH01-3'	E410117-04A	Soil	10/10/24	10/14/24	Glass Jar, 2 oz.
BH02-2'	E410117-05A	Soil	10/10/24	10/14/24	Glass Jar, 2 oz.
BH03-3'	E410117-06A	Soil	10/10/24	10/14/24	Glass Jar, 2 oz.



Devon Energy - Carlsbad	Project Name:	LVP SWD #001	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	10/17/2024 8:19:50AM

## SS08A-2' E410117-01

		Reporting					
Analyte	Result	Limit	Dilu	ition	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS		Batch: 2442003
Benzene	ND	0.0250	1	1	10/14/24	10/15/24	
Ethylbenzene	ND	0.0250	1	1	10/14/24	10/15/24	
Toluene	ND	0.0250	1	1	10/14/24	10/15/24	
o-Xylene	ND	0.0250	1	1	10/14/24	10/15/24	
p,m-Xylene	ND	0.0500	1	1	10/14/24	10/15/24	
Total Xylenes	ND	0.0250	1	1	10/14/24	10/15/24	
Surrogate: Bromofluorobenzene		97.5 %	70-130		10/14/24	10/15/24	
Surrogate: 1,2-Dichloroethane-d4		98.6 %	70-130		10/14/24	10/15/24	
Surrogate: Toluene-d8		100 %	70-130		10/14/24	10/15/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	_	Analyst:	RKS		Batch: 2442003
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	10/14/24	10/15/24	
Surrogate: Bromofluorobenzene		97.5 %	70-130		10/14/24	10/15/24	
Surrogate: 1,2-Dichloroethane-d4		98.6 %	70-130		10/14/24	10/15/24	
Surrogate: Toluene-d8		100 %	70-130		10/14/24	10/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	NV		Batch: 2442021
Diesel Range Organics (C10-C28)	ND	25.0	1	1	10/14/24	10/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	1	10/14/24	10/15/24	
Surrogate: n-Nonane		99.1 %	50-200		10/14/24	10/15/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2442005



Devon Energy - Carlsbad	Project Name:	LVP SWD #001	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	10/17/2024 8:19:50AM

#### SS10A-2' E410117-02

		E410117-02					
Analyte	Result	Reporting Limit		ıtion	Prepared	Analyzed	Notes
Thayte					•	rmaryzea	
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:			Batch: 2442003
Benzene	ND	0.0250	1	1	10/14/24	10/15/24	
Ethylbenzene	ND	0.0250	1	1	10/14/24	10/15/24	
Toluene	ND	0.0250	1	1	10/14/24	10/15/24	
o-Xylene	ND	0.0250	1	1	10/14/24	10/15/24	
p,m-Xylene	ND	0.0500	1	1	10/14/24	10/15/24	
Total Xylenes	ND	0.0250	1	1	10/14/24	10/15/24	
Surrogate: Bromofluorobenzene		97.9 %	70-130		10/14/24	10/15/24	
Surrogate: 1,2-Dichloroethane-d4		99.7 %	70-130		10/14/24	10/15/24	
Surrogate: Toluene-d8		101 %	70-130		10/14/24	10/15/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	RKS		Batch: 2442003
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	10/14/24	10/15/24	
Surrogate: Bromofluorobenzene		97.9 %	70-130		10/14/24	10/15/24	
Surrogate: 1,2-Dichloroethane-d4		99.7 %	70-130		10/14/24	10/15/24	
Surrogate: Toluene-d8		101 %	70-130		10/14/24	10/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	NV		Batch: 2442021
Diesel Range Organics (C10-C28)	ND	25.0	1	1	10/14/24	10/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	1	10/14/24	10/15/24	
Surrogate: n-Nonane		89.5 %	50-200		10/14/24	10/15/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	DT		Batch: 2442005
Chloride	319	20.0	1	1	10/14/24	10/14/24	



Devon Energy - Carlsbad	Project Name:	LVP SWD #001	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	10/17/2024 8:19:50AM

#### SS10-2'

		E410117-03				
		Reporting				
Analyte	Result	Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: RKS		Batch: 2442003
Benzene	ND	0.0250	1	10/14/24	10/15/24	
Ethylbenzene	ND	0.0250	1	10/14/24	10/15/24	
Toluene	ND	0.0250	1	10/14/24	10/15/24	
o-Xylene	ND	0.0250	1	10/14/24	10/15/24	
p,m-Xylene	ND	0.0500	1	10/14/24	10/15/24	
Total Xylenes	ND	0.0250	1	10/14/24	10/15/24	
Surrogate: Bromofluorobenzene		100 %	70-130	10/14/24	10/15/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	10/14/24	10/15/24	
Surrogate: Toluene-d8		101 %	70-130	10/14/24	10/15/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: RKS		Batch: 2442003
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/24	10/15/24	
Surrogate: Bromofluorobenzene		100 %	70-130	10/14/24	10/15/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	10/14/24	10/15/24	
Surrogate: Toluene-d8		101 %	70-130	10/14/24	10/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: NV		Batch: 2442021
Diesel Range Organics (C10-C28)	ND	25.0	1	10/14/24	10/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/14/24	10/15/24	
Surrogate: n-Nonane		98.2 %	50-200	10/14/24	10/15/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: DT		Batch: 2442005
Chloride	522	20.0	1	10/14/24	10/14/24	



Devon Energy - CarlsbadProject Name:LVP SWD #0016488 7 Rivers HwyProject Number:01058-0007Reported:Artesia NM, 88210Project Manager:Ashley Giovengo10/17/2024 8:19:50AM

#### BH01-3' E410117-04

		2110117 01					
Analyte	Result	Reporting Limit	Dilut	tion Pr	epared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	Analyst: RKS			Batch: 2442003
Benzene	ND	0.0250	1	10	/14/24	10/15/24	
Ethylbenzene	ND	0.0250	1	10	/14/24	10/15/24	
Toluene	ND	0.0250	1	10	/14/24	10/15/24	
o-Xylene	ND	0.0250	1	10	/14/24	10/15/24	
p,m-Xylene	ND	0.0500	1	10	/14/24	10/15/24	
Total Xylenes	ND	0.0250	1	10	/14/24	10/15/24	
Surrogate: Bromofluorobenzene		97.3 %	70-130	10	/14/24	10/15/24	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130	10	/14/24	10/15/24	
Surrogate: Toluene-d8		103 %	70-130	10	/14/24	10/15/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: RKS			Batch: 2442003
Gasoline Range Organics (C6-C10)	ND	20.0	1	10	/14/24	10/15/24	
Surrogate: Bromofluorobenzene		97.3 %	70-130	10	/14/24	10/15/24	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130	10	/14/24	10/15/24	
Surrogate: Toluene-d8		103 %	70-130	10	/14/24	10/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: NV			Batch: 2442021
Diesel Range Organics (C10-C28)	ND	25.0	1	10	/14/24	10/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10	/14/24	10/15/24	
Surrogate: n-Nonane		91.2 %	50-200	10	/14/24	10/15/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: DT			Batch: 2442005
Chloride	409	20.0	1	10	/14/24	10/14/24	

Devon Energy - Carlsbad	Project Name:	LVP SWD #001	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	10/17/2024 8:19:50AM

#### BH02-2' E410117-05

		2.10117 00					
Analyte	Result	Reporting Limit	; Dilu	tion Draw	oared	Analyzed	Notes
Allaryte	Result	Liiiit			Jaieu	Allalyzeu	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS				Batch: 2442003
Benzene	ND	0.0250	1	10/1	14/24	10/15/24	
Ethylbenzene	ND	0.0250	1	10/1	14/24	10/15/24	
Toluene	ND	0.0250	1	10/1	14/24	10/15/24	
o-Xylene	ND	0.0250	1	10/1	14/24	10/15/24	
p,m-Xylene	ND	0.0500	1	10/1	14/24	10/15/24	
Total Xylenes	ND	0.0250	1	10/1	14/24	10/15/24	
Surrogate: Bromofluorobenzene		96.8 %	70-130	10/1	14/24	10/15/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	10/1	14/24	10/15/24	
Surrogate: Toluene-d8		102 %	70-130	10/1	14/24	10/15/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: RKS			Batch: 2442003
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/1	14/24	10/15/24	
Surrogate: Bromofluorobenzene		96.8 %	70-130	10/1	14/24	10/15/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	10/1	14/24	10/15/24	
Surrogate: Toluene-d8		102 %	70-130	10/1	14/24	10/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: NV			Batch: 2442021
Diesel Range Organics (C10-C28)	ND	25.0	1	10/1	14/24	10/15/24	_
Oil Range Organics (C28-C36)	ND	50.0	1	10/1	14/24	10/15/24	
Surrogate: n-Nonane		95.1 %	50-200	10/1	14/24	10/15/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: DT			Batch: 2442005
Chloride	1330	20.0	1	10/1	14/24	10/14/24	



Devon Energy - Carlsbad	Project Name:	LVP SWD #001	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	10/17/2024 8:19:50AM

#### BH03-3' E410117-06

P. 1.	Reporting	P.1				27.
Kesult	Limit	Dili	ution	Prepared	Analyzed	Notes
mg/kg	mg/kg		Analyst:	RKS		Batch: 2442003
ND	0.0250		1	10/14/24	10/15/24	
ND	0.0250		1	10/14/24	10/15/24	
ND	0.0250		1	10/14/24	10/15/24	
ND	0.0250		1	10/14/24	10/15/24	
ND	0.0500		1	10/14/24	10/15/24	
ND	0.0250		1	10/14/24	10/15/24	
	97.0 %	70-130		10/14/24	10/15/24	
	104 %	70-130		10/14/24	10/15/24	
	100 %	70-130		10/14/24	10/15/24	
mg/kg	mg/kg		Analyst:	RKS		Batch: 2442003
ND	20.0		1	10/14/24	10/15/24	
	97.0 %	70-130		10/14/24	10/15/24	
	104 %	70-130		10/14/24	10/15/24	
	100 %	70-130		10/14/24	10/15/24	
mg/kg	mg/kg		Analyst:	NV		Batch: 2442021
ND	25.0		1	10/14/24	10/15/24	
ND	50.0		1	10/14/24	10/15/24	
	88.5 %	50-200		10/14/24	10/15/24	
mg/kg	mg/kg		Analyst:	DT		Batch: 2442005
871	20.0		1	10/14/24	10/14/24	
	ND Mg/kg ND Mg/kg	Result         Limit           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           97.0 %         104 %           100 %         100 %           mg/kg         mg/kg           ND         20.0           97.0 %         104 %           100 %         100 %           mg/kg         mg/kg           ND         25.0           ND         50.0           88.5 %         mg/kg           mg/kg         mg/kg	Result         Limit         Dil           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           ND         0.0250           97.0 %         70-130           104 %         70-130           100 %         70-130           mg/kg         mg/kg           ND         20.0           97.0 %         70-130           104 %         70-130           100 %         70-130           mg/kg         mg/kg           ND         25.0           ND         50.0           88.5 %         50-200           mg/kg         mg/kg	Result         Limit         Dilution           mg/kg         mg/kg         Analyst:           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           ND         70-130         1           104 %         70-130         70-130           mg/kg         mg/kg         Analyst:           ND         20.0         1           97.0 %         70-130         70-130           100 %         70-130         1           mg/kg         mg/kg         Analyst:           ND         25.0         1           ND         50.0         1           88.5 %         50-200           mg/kg         Mg/kg         Analyst:	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: RKS           ND         0.0250         1         10/14/24           ND         0.0250         1         10/14/24           ND         0.0250         1         10/14/24           ND         0.0250         1         10/14/24           ND         0.0500         1         10/14/24           ND         0.0250         1         10/14/24           ND         70-130         10/14/24           104 %         70-130         10/14/24           100 %         70-130         10/14/24           mg/kg         mg/kg         Analyst: RKS           ND         20.0         1         10/14/24           104 %         70-130         10/14/24           100 %         70-130         10/14/24           100 %         70-130         10/14/24           100 %         70-130         10/14/24           ND         25.0         1         10/14/24           ND         50.0         1         10/14/24           ND         50.0         1         10/14/24           88	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: RKS           ND         0.0250         1         10/14/24         10/15/24           ND         0.0500         1         10/14/24         10/15/24           ND         0.0250         1         10/14/24         10/15/24           ND         0.0250         1         10/14/24         10/15/24           104 %         70-130         10/14/24         10/15/24           100 %         70-130         10/14/24         10/15/24           mg/kg         mg/kg         Analyst: RKS           ND         20.0         1         10/14/24         10/15/24           100 %         70-130         10/14/24         10/15/24           100 %         70-130         10/14/24         10/15/24           mg/kg         mg/kg         Analyst: NV           ND         50.0         1



## **QC Summary Data**

Devon Energy - Carlsbad LVP SWD #001 Project Name: Reported: 6488 7 Rivers Hwy Project Number: 01058-0007 Artesia NM, 88210 Project Manager: Ashley Giovengo 10/17/2024 8:19:50AM Volatile Organic Compounds by EPA 8260B Analyst: RKS Spike Source RPD Reporting Rec Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2442003-BLK1) Prepared: 10/14/24 Analyzed: 10/15/24 ND 0.0250 ND Ethylbenzene 0.0250 ND Toluene 0.0250 ND 0.0250 o-Xylene ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: Bromofluorobenzene 0.487 0.500 97.3 70-130 Surrogate: 1,2-Dichloroethane-d4 0.485 0.500 97.0 70-130 0.500 103 70-130 Surrogate: Toluene-d8 0.516 LCS (2442003-BS1) Prepared: 10/14/24 Analyzed: 10/15/24 2.26 0.0250 2.50 90.3 70-130 Benzene 70-130 2.46 2.50 98.2 0.0250 Ethylbenzene Toluene 2.34 0.0250 2.50 93.6 70-130 2.45 2.50 98.0 70-130 0.0250 o-Xylene 98.3 p,m-Xylene 4.91 5.00 70-130 0.0500 7.36 0.0250 7.50 98.2 70-130 Total Xylenes Surrogate: Bromofluorobenzene 0.479 0.500 95.7 70-130 0.510 0.500 102 70-130 Surrogate: 1,2-Dichloroethane-d4 Surrogate: Toluene-d8 0.500 70-130 0.504

<b>Matrix Spike (2442003-MS1)</b>				Source	: E410117-	02	Prepared: 10/14/24 Analyzed: 10/15/24
Benzene	2.33	0.0250	2.50	ND	93.3	48-131	
Ethylbenzene	2.50	0.0250	2.50	ND	100	45-135	
Toluene	2.41	0.0250	2.50	ND	96.2	48-130	
o-Xylene	2.53	0.0250	2.50	ND	101	43-135	
p,m-Xylene	5.06	0.0500	5.00	ND	101	43-135	
Total Xylenes	7.58	0.0250	7.50	ND	101	43-135	
Surrogate: Bromofluorobenzene	0.486		0.500		97.2	70-130	
Surrogate: 1,2-Dichloroethane-d4	0.500		0.500		99.9	70-130	
Surrogate: Toluene-d8	0.501		0.500		100	70-130	

			Source:	E410117-0	02	Prepared: 10	/14/24 Analyzed: 10/15/24
2.33	0.0250	2.50	ND	93.3	48-131	0.0214	23
2.55	0.0250	2.50	ND	102	45-135	1.84	27
2.43	0.0250	2.50	ND	97.1	48-130	0.890	24
2.51	0.0250	2.50	ND	100	43-135	0.655	27
5.08	0.0500	5.00	ND	102	43-135	0.503	27
7.59	0.0250	7.50	ND	101	43-135	0.119	27
0.486		0.500		97.2	70-130		
0.478		0.500		95.5	70-130		
0.513		0.500		103	70-130		
	2.55 2.43 2.51 5.08 7.59 0.486 0.478	2.55 0.0250 2.43 0.0250 2.51 0.0250 5.08 0.0500 7.59 0.0250 0.486 0.478	2.55     0.0250     2.50       2.43     0.0250     2.50       2.51     0.0250     2.50       5.08     0.0500     5.00       7.59     0.0250     7.50       0.486     0.500       0.478     0.500	2.33     0.0250     2.50     ND       2.55     0.0250     2.50     ND       2.43     0.0250     2.50     ND       2.51     0.0250     2.50     ND       5.08     0.0500     5.00     ND       7.59     0.0250     7.50     ND       0.486     0.500       0.478     0.500	2.33         0.0250         2.50         ND         93.3           2.55         0.0250         2.50         ND         102           2.43         0.0250         2.50         ND         97.1           2.51         0.0250         2.50         ND         100           5.08         0.0500         5.00         ND         102           7.59         0.0250         7.50         ND         101           0.486         0.500         97.2           0.478         0.500         95.5	2.33         0.0250         2.50         ND         93.3         48-131           2.55         0.0250         2.50         ND         102         45-135           2.43         0.0250         2.50         ND         97.1         48-130           2.51         0.0250         2.50         ND         100         43-135           5.08         0.0500         5.00         ND         102         43-135           7.59         0.0250         7.50         ND         101         43-135           0.486         0.500         97.2         70-130           0.478         0.500         95.5         70-130	2.33         0.0250         2.50         ND         93.3         48-131         0.0214           2.55         0.0250         2.50         ND         102         45-135         1.84           2.43         0.0250         2.50         ND         97.1         48-130         0.890           2.51         0.0250         2.50         ND         100         43-135         0.655           5.08         0.0500         5.00         ND         102         43-135         0.503           7.59         0.0250         7.50         ND         101         43-135         0.119           0.486         0.500         97.2         70-130           0.478         0.500         95.5         70-130

Surrogate: 1,2-Dichloroethane-d4

Surrogate: Toluene-d8

## **QC Summary Data**

Devon Energy - CarlsbadProject Name:LVP SWD #001Reported:6488 7 Rivers HwyProject Number:01058-0007Artesia NM, 88210Project Manager:Ashley Giovengo10/17/20248:19:50AM

Artesia NM, 88210		Project Manager:		shley Giovengo				1	0/17/2024 8:19:50AM
	Non	ihalogenated (	Organics l	by EPA 8015	5D - GI	RO			Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2442003-BLK1)							Prepared: 1	0/14/24 An	alyzed: 10/15/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.487		0.500		97.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.485		0.500		97.0	70-130			
Surrogate: Toluene-d8	0.516		0.500		103	70-130			
LCS (2442003-BS2)							Prepared: 1	0/14/24 An	alyzed: 10/15/24
Gasoline Range Organics (C6-C10)	53.8	20.0	50.0		108	70-130			
Surrogate: Bromofluorobenzene	0.500		0.500		99.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.512		0.500		102	70-130			
Surrogate: Toluene-d8	0.520		0.500		104	70-130			
Matrix Spike (2442003-MS2)				Source: E	410117-0	)2	Prepared: 10	0/14/24 An	alyzed: 10/15/24
Gasoline Range Organics (C6-C10)	55.2	20.0	50.0	ND	110	70-130			
Surrogate: Bromofluorobenzene	0.499		0.500		99.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.508		0.500		102	70-130			
Surrogate: Toluene-d8	0.511		0.500		102	70-130			
Matrix Spike Dup (2442003-MSD2)				Source: E	410117-0	)2	Prepared: 1	0/14/24 An	alyzed: 10/15/24
Gasoline Range Organics (C6-C10)	54.0	20.0	50.0	ND	108	70-130	2.30	20	
Surrogate: Bromofluorobenzene	0.505		0.500		101	70-130			

0.500

0.500

0.473

0.507

94.5

101

70-130

70-130



# **QC Summary Data**

Devon Energy - Carlsbad	Project Name:	LVP SWD #001	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	•
Artesia NM, 88210	Project Manager:	Ashley Giovengo	10/17/2024 8:19:50AM

Artesia NM, 88210		Project Manage	r: As	shley Gioveng	go			1	0/17/2024 8:19:50A
	Nonha	logenated Or	ganics by	EPA 8015I	D - DRO	/ORO			Analyst: NV
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2442021-BLK1)							Prepared: 1	0/14/24 Ar	nalyzed: 10/14/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	47.0		50.0		94.0	50-200			
LCS (2442021-BS1)							Prepared: 1	0/14/24 Ar	nalyzed: 10/14/24
Diesel Range Organics (C10-C28)	252	25.0	250		101	38-132			
Surrogate: n-Nonane	49.3		50.0		98.6	50-200			
Matrix Spike (2442021-MS1)				Source:	E410116-0	01	Prepared: 1	0/14/24 Ar	nalyzed: 10/14/24
Diesel Range Organics (C10-C28)	275	25.0	250	ND	110	38-132			
Surrogate: n-Nonane	51.0		50.0		102	50-200			
Matrix Spike Dup (2442021-MSD1)				Source:	E410116-0	01	Prepared: 1	0/14/24 Ar	nalyzed: 10/14/24
Diesel Range Organics (C10-C28)	273	25.0	250	ND	109	38-132	0.583	20	
Surrogate: n-Nonane	51.7		50.0		103	50-200			



## **QC Summary Data**

Devon Energy - Carlsbad 6488 7 Rivers Hwy		Project Name: Project Number:		VP SWD #001 .058-0007	l				Reported:
Artesia NM, 88210		Project Manager:		shley Gioveng	go			1	0/17/2024 8:19:50AM
		Anions	by EPA 3	300.0/9056 <i>A</i>	4				Analyst: DT
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2442005-BLK1)							Prepared: 1	0/14/24 Aı	nalyzed: 10/14/24
Chloride	ND	20.0							
LCS (2442005-BS1)							Prepared: 1	0/14/24 Aı	nalyzed: 10/14/24
Chloride	260	20.0	250		104	90-110			
Matrix Spike (2442005-MS1)				Source:	E410115-0	)5	Prepared: 1	0/14/24 Aı	nalyzed: 10/14/24
Chloride	679	200	250	422	103	80-120			
Matrix Spike Dup (2442005-MSD1)				Source:	E410115-0	)5	Prepared: 1	0/14/24 Aı	nalyzed: 10/14/24
Chloride	682	200	250	422	104	80-120	0.376	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:	LVP SWD #001	
-	6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
	Artesia NM, 88210	Project Manager:	Ashley Giovengo	10/17/24 08:19

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.



Released to Imaging: 4/7/2025 8:57:39 AM

Page _	of _	_
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Client Information	Invoice Information				La	b Us	e On	ly				TA	<b>λ</b> Τ		State
Client: Devon	Company: Devon		Lab,\	WO#			Job I	Num	ber		1D	2D	3D	Std	NM CO UT TX
Project: LVP SWD #1	Address: 205 E Bender Road #150		E Lab	<b>Olf</b>	[[	+ 1	Olo	58	$\omega$	$\Pi$				X	Х
Project Manager: Ashley Giovengo	City, State, Zip: Hobbs NM, 88240			•											
Address: 3122 National Parks Hwy	Phone: (575)748-1838		[				Ana	lysis	and	Met	hod				EPA Program
City, State, Zip: Carlsbad NM, 88220	Email: dale.woodall@dvn.com		1												SDWA CWA RCRA
Phone: 575-988-0055	Miscellaneous: Dale Woodall														
Email: agiovengo@ensolum.com			1 1	22	2					- 1				l	Compliance Y or N
				y 8015	8	π.		8	_	ا ج	als				PWSID#
Sample Int				ğ	g	y 802	826	e 30	ž	<u> </u>	Met				
Time Sampled Date Sampled Matrix No. of Containers	Sample ID	Nun	ab nber	DRO/ORO by	GRO/DRO by 8015	ВТЕХ Ьу 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Remarks
0921 10/10/24 5 1	58" SSU8A-2'								X						Mostly Rat must pulve
1435 10/10/24 5 1	5510A-2'	ર્વ							Χ						
1355 10/10/24 5 1	SS10-2'	13	3						X						Mostly Rock must pulver
1200 10/10/24 5	BH01-3'	4							λ						Mostly Rock Must Pulverize Mostly Rock
1050 10/10/24 5 1	BH02-2'	<u>~</u>	5						Χ						Mostly Rock Must Pulverlee
1538 10/10/24 5 1	BH03-3'		0						人						Mostly Rock - pulver, z
Additional Instructions: Please CC: cburton@ensolu				n.con	n, ch	amil	ton@	ens	olun	ı.con	n, ie	streil	a@e	nsol	um.com,
bdeal@ensolum.com, bsimmons@ensolum.com, jgol j, (field sampler), attest to the validity and authenticity of this sample. I am				, date o	or time	of co	llection	n is cor	nsidere	d frau	d and	may be	e grour	nds for	legal action.
Sampled by:Chad Hamilton															
Relinquished by: (Signature) Date Time	, , , , , , , , , , , , , , , , , , ,	ate		Time		_					-				ist be received on ice the day they are temp above 0 but less than 6 °C on
10/11/24	Janto	-/0.11	.24		<u>114</u>	<u>ک</u>				uent da		раскео			
Relinquished by: (Signature) Date Time	Received by: (Signature)	/0 - 11	. દવ	Time	200				Rece	eived	on i	ce:	La Y		e Only
Relinarished by: (Signature) Date Time	Received by: (Signature)	ate <i>0-14-</i>	- 1	Time	$\alpha$				<u>T1</u>				T2_		<u>T3</u>
Relinquished by: (Signature) Date Time	Received by: (Signature)	ate		Time					AVG	Tem	np °C		1		
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other		ontaine							_						
Note: Samples are discarded 14 days after results are reported unl samples is applicable only to those samples received by the labora	- · · · · · · · · · · · · · · · · · · ·						•			clien	it exp	ense.	The re	port :	for the analysis of the above



er glass, v-voa
nt expense. The report for the analysis of the above

Page 141

Characteristics of the above

Printed: 10/14/2024 10:09:38AM

#### **Envirotech Analytical Laboratory**

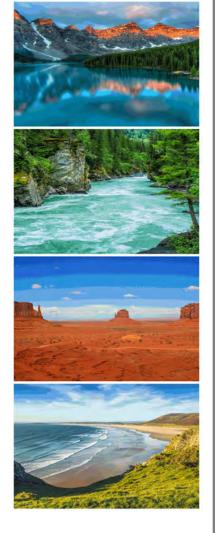
Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Devon Energy - Carlsbad	Date Received:	10/14/24	08:00		Work Order ID:	E410117
Phone:	(505) 382-1211	Date Logged In:	10/11/24	14:40		Logged In By:	Raina Schwanz
Email:	ashley.giovengo@wescominc.com	Due Date:	10/18/24	17:00 (4 day TAT)			
Chain of	Custody (COC)						
1. Does the sample ID match the COC?  Yes							
	ne number of samples per sampling site location mat	ch the COC	Yes				
	amples dropped off by client or carrier?		Yes	Carrier: C	Courier		
	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes	Carrier. <u>c</u>	<u>Journer</u>		
	Il 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 disucssion.					Comment	s/Resolution	
	urn Around Time (TAT) COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C							
7. Was a s	sample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was the	e sample(s) received intact, i.e., not broken?		Yes				
10. Were	custody/security seals present?		No				
	were custody/security seals intact?		NA				
	e sample received on ice? If yes, the recorded temp is 4°C,	ie 6°+2°C	Yes				
	Note: Thermal preservation is not required, if samples are minutes of sampling	e received w/i 15					
	visible ice, record the temperature. Actual sample	temperature: 4°C	<u> </u>				
Sample C							
	queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	trip blank (TB) included for VOC analyses?	,	NA				
	on-VOC samples collected in the correct containers'		Yes				
	appropriate volume/weight or number of sample contain	iers confected?	Yes				
Field Lab	<del></del>	4*					
	field sample labels filled out with the minimum info ample ID?	rmation:	Yes				
	ate/Time Collected?		Yes				
C	ollectors name?		Yes				
Sample Preservation							
21. Does	the COC or field labels indicate the samples were pr	eserved?	No				
22. Are sa	ample(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved m	netals?	No				
Multipha	se Sample Matrix						
26. Does	the sample have more than one phase, i.e., multipha	se?	No				
27. If yes,	, does the COC specify which phase(s) is to be analy	zed?	NA				
Subcontract Laboratory							
	amples required to get sent to a subcontract laborato	mu?	No				
	subcontract laboratory specified by the client and if	-	NA	Subcontract Lab	· NIA		
		. 50 WIIO:	11/1	Subcontract Lat	), NA		
Client Instruction							
Samples	s 1, 3-6. Mostly rock must pulverize- Per client.						
							0

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





# envirotech

Practical Solutions for a Better Tomorrow

# **Analytical Report**

Devon Energy - Carlsbad

Project Name: LVP SWD #1

Work Order: E412050

Job Number: 01058-0007

Received: 12/9/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 12/10/24

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

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

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

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

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

Date Reported: 12/10/24

Ashley Giovengo 6488 7 Rivers Hwy Artesia, NM 88210

Project Name: LVP SWD #1

Workorder: E412050

Date Received: 12/9/2024 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/9/2024 8:00:00AM, under the Project Name: LVP SWD #1.

The analytical test results summarized in this report with the Project Name: LVP SWD #1 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881 Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

Field Offices:

**Southern New Mexico Area** 

Lynn Jarboe

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

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Michelle Gonzales

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:	LVP SWD #1	Donoutod.
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/10/24 11:39

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
FS01 - 4.5'	E412050-01A Soil	12/05/24	12/09/24	Glass Jar, 2 oz.
SW01 - 0-4'	E412050-02A Soil	12/05/24	12/09/24	Glass Jar, 2 oz.
SW02 - 0-4'	E412050-03A Soil	12/05/24	12/09/24	Glass Jar, 2 oz.



Devon Energy - Carlsbad	Project Name:	LVP SWD #1	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/10/2024 11:39:32AM

#### FS01 - 4.5' E412050-01

		E412050-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2450008
Benzene	ND	0.0250	1	12/09/24	12/10/24	
Ethylbenzene	ND	0.0250	1	12/09/24	12/10/24	
Toluene	ND	0.0250	1	12/09/24	12/10/24	
p-Xylene	ND	0.0250	1	12/09/24	12/10/24	
o,m-Xylene	ND	0.0500	1	12/09/24	12/10/24	
Total Xylenes	ND	0.0250	1	12/09/24	12/10/24	
Surrogate: 4-Bromochlorobenzene-PID		109 %	70-130	12/09/24	12/10/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2450008
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/24	12/10/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		104 %	70-130	12/09/24	12/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: KH		Batch: 2450003
Diesel Range Organics (C10-C28)	ND	25.0	1	12/09/24	12/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/09/24	12/09/24	
Surrogate: n-Nonane		108 %	50-200	12/09/24	12/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: DT		Batch: 2450014
Chloride	583	20.0	1	12/09/24	12/09/24	

Devon Energy - Carlsbad	Project Name:	LVP SWD #1	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/10/2024 11:39:32AM

#### SW01 - 0-4' E412050-02

		E412050-02				
Aughte	Result	Reporting Limit	Dilution	Dromonod	Amalyzad	Notes
Analyte	Resuit	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	lyst: SL		Batch: 2450008
Benzene	ND	0.0250	1	12/09/24	12/10/24	
Ethylbenzene	ND	0.0250	1	12/09/24	12/10/24	
Toluene	ND	0.0250	1	12/09/24	12/10/24	
o-Xylene	ND	0.0250	1	12/09/24	12/10/24	
p,m-Xylene	ND	0.0500	1	12/09/24	12/10/24	
Total Xylenes	ND	0.0250	1	12/09/24	12/10/24	
Surrogate: 4-Bromochlorobenzene-PID		110 %	70-130	12/09/24	12/10/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	lyst: SL		Batch: 2450008
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/24	12/10/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		104 %	70-130	12/09/24	12/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	lyst: KH		Batch: 2450003
Diesel Range Organics (C10-C28)	ND	25.0	1	12/09/24	12/09/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/09/24	12/09/24	
Surrogate: n-Nonane		113 %	50-200	12/09/24	12/09/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	lyst: DT		Batch: 2450014
Chloride	414	20.0	1	12/09/24	12/09/24	



Devon Energy - Carlsbad	Project Name:	LVP SWD #1	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/10/2024 11:39:32AM

## SW02 - 0-4'

E412050-03							
Reporting							
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: SL		Batch: 2450008	
Benzene	ND	0.0250	1	12/09/24	12/10/24		
Ethylbenzene	ND	0.0250	1	12/09/24	12/10/24		
Toluene	ND	0.0250	1	12/09/24	12/10/24		
o-Xylene	ND	0.0250	1	12/09/24	12/10/24		
p,m-Xylene	ND	0.0500	1	12/09/24	12/10/24		
Total Xylenes	ND	0.0250	1	12/09/24	12/10/24		
Surrogate: 4-Bromochlorobenzene-PID		109 %	70-130	12/09/24	12/10/24		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: SL		Batch: 2450008	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/09/24	12/10/24		
Surrogate: 1-Chloro-4-fluorobenzene-FID		104 %	70-130	12/09/24	12/10/24		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: KH		Batch: 2450003	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/09/24	12/10/24		
Oil Range Organics (C28-C36)	ND	50.0	1	12/09/24	12/10/24		
Surrogate: n-Nonane		102 %	50-200	12/09/24	12/10/24		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: DT		Batch: 2450014	
Chloride	3020	40.0	2	12/09/24	12/09/24		



Surrogate: 4-Bromochlorobenzene-PID

# **QC Summary Data**

Devon Energy - Carlsbad	Project Name:	LVP SWD #1	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/10/2024 11:39:32AM

Artesia NM, 88210		Project Manager	: As	shley Gioveng	go			12/	10/2024 11:39:32Al
Volatile Organics by EPA 8021B Analyst: SL									
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2450008-BLK1)							Prepared: 1	2/09/24 Ana	yzed: 12/10/24
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: 4-Bromochlorobenzene-PID	8.93		8.00		112	70-130			
LCS (2450008-BS1)							Prepared: 1	2/09/24 Ana	lyzed: 12/10/24
Benzene	4.77	0.0250	5.00		95.4	70-130			
Ethylbenzene	4.60	0.0250	5.00		91.9	70-130			
Toluene	4.70	0.0250	5.00		93.9	70-130			
o-Xylene	4.59	0.0250	5.00		91.9	70-130			
p,m-Xylene	9.34	0.0500	10.0		93.4	70-130			
Total Xylenes	13.9	0.0250	15.0		92.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.93		8.00		112	70-130			
LCS Dup (2450008-BSD1)							Prepared: 1	2/09/24 Ana	lyzed: 12/10/24
Benzene	4.69	0.0250	5.00		93.8	70-130	1.63	20	
Ethylbenzene	4.53	0.0250	5.00		90.6	70-130	1.47	20	
Toluene	4.62	0.0250	5.00		92.4	70-130	1.58	20	
o-Xylene	4.53	0.0250	5.00		90.6	70-130	1.42	20	
p,m-Xylene	9.21	0.0500	10.0		92.1	70-130	1.47	20	
Total Xylenes	13.7	0.0250	15.0		91.6	70-130	1.45	20	



Devon Energy - CarlsbadProject Name:LVP SWD #1Reported:6488 7 Rivers HwyProject Number:01058-0007Artesia NM, 88210Project Manager:Ashley Giovengo12/10/2024 11:39:32AM

Nonhalogenated	Organics by	v EPA	.8015D -	GRO

Analyst: SL

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

Blank (2450008-BLK1)						Prepared: 12	2/09/24	Analyzed: 12/10/24
Gasoline Range Organics (C6-C10)	ND	20.0						
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.22		8.00	103	70-130			
LCS (2450008-BS2)						Prepared: 12	2/09/24	Analyzed: 12/10/24
Gasoline Range Organics (C6-C10)	43.9	20.0	50.0	87.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.45		8.00	106	70-130			
LCS Dup (2450008-BSD2)						Prepared: 12	2/09/24	Analyzed: 12/10/24
Gasoline Range Organics (C6-C10)	42.0	20.0	50.0	84.0	70-130	4.35	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.31		8.00	104	70-130			



Devon Energy - Carlsbad	Project Name:	LVP SWD #1	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	·
Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/10/2024 11:39:32AM

Artesia NM, 88210		Project Manage	r: As	hley Gioveng	go			1	2/10/2024 11:39:32A
	Nonha	logenated Or	ganics by	EPA 8015I	D - DRO	/ORO			Analyst: KH
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2450003-BLK1)							Prepared: 1	2/09/24 A	nalyzed: 12/09/24
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	55.0		50.0		110	50-200			
LCS (2450003-BS1)							Prepared: 1	2/09/24 A	nalyzed: 12/09/24
Diesel Range Organics (C10-C28)	284	25.0	250		114	38-132			
urrogate: n-Nonane	57.8		50.0		116	50-200			
Matrix Spike (2450003-MS1)				Source:	E412049-	06	Prepared: 1	2/09/24 A	nalyzed: 12/09/24
Diesel Range Organics (C10-C28)	286	25.0	250	ND	114	38-132			
urrogate: n-Nonane	60.1		50.0		120	50-200			
Matrix Spike Dup (2450003-MSD1)				Source:	E412049-	06	Prepared: 1	2/09/24 A	nalyzed: 12/09/24
Diesel Range Organics (C10-C28)	274	25.0	250	ND	110	38-132	4.32	20	
'urrogate: n-Nonane	57.9		50.0		116	50-200			



Devon Energy - Carlsbad 6488 7 Rivers Hwy		Project Name: Project Number:		VP SWD #1 .058-0007					Reported:
Artesia NM, 88210		Project Manager		shley Gioveng	go			12	2/10/2024 11:39:32AM
		Anions	by EPA 3	300.0/9056 <i>A</i>	1				Analyst: DT
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2450014-BLK1)							Prepared: 12	2/09/24 An	alyzed: 12/09/24
Chloride	ND	20.0							
LCS (2450014-BS1)							Prepared: 12	2/09/24 An	alyzed: 12/09/24
Chloride	257	20.0	250		103	90-110			
LCS Dup (2450014-BSD1)							Prepared: 12	2/09/24 An	alyzed: 12/09/24
Chloride	258	20.0	250		103	90-110	0.384	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:	LVP SWD #1	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/10/24 11:39

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**

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Client Information					Invoice Information			Lab Use Only						TAT					Ĺ	Stat					
Client: Devon					Company: Devon				ab V				Job	Num	ber	4	1D	2D	3D	Std	1 '	NM	CO UT	TX	
Project:	LVP SWD #1					Address: 5315 Buena Vista Dr			_  E	: 4	11%	05	D	O	057	Sac	<b>D</b> 7				Х	1	X		
Project N	Manager: As	hley Giove	engo			City, State, Zip: Carlsbad NM, 88220			_													•			
Address:	3122 Natio	nal Parks	Hwy		[8	hone: (575)689-7597			_					Ana	lysis	and	Met	hod			_	П	EP	A Progra	am
City, Stat	e, Zip: Carls	bad NM,	88220			Email: jim.raley@dvn.com				Ī										Π		SD	WA	CWA	RCRA
Phone: 575-988-0055 Miscellaneous: Jim Ra			1iscellaneous: Jim Raley							ŀ			l												
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Addition	nal Instructio	ns: Plea	ase CC: (	:burton@e	ensolum.co	m, agiovengo@ensolum.com,	iim.ra	ilev@	dvn.	com	1. ie:	strel	la@e	ensol	um.e	com.	bde	al@e	nsol	um.	char	nilto	n@er	solum.c	om.
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envirotech Inc.

Printed: 12/9/2024 9:38:28AM

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Phone: (903) 182-121   Dute Logged In: 12 (200-24 ft 6-3)   Logged In By: Nos Soto Establish and Society COCO   1. Does the surplet Dute the COC? 2. Does the number of namples per sampling site location match the COC   Yes   Yes   Sover surplets of Dute the COC; Overplets, i.e., signatures, dates times, requested analyses? Yes   When the COK complete, i.e., signatures, dates times, requested analyses? Yes   When the COK complete, i.e., signatures, dates times, requested analyses? Yes   When all samples received within holding times?   Sover all samples received within holding times?   Sover all samples received within holding times?   Sover all samples received within holding times?   Sample Frank of Committee (TAT)   Yes   Sample Frank of Committee (TAT)   Yes   Sample Condex standard TAT, or Expedited TAT?   Yes   Sample Condex   Yes   Yes   When the sample's of occived in inst. i.e., not broken?   Yes   Note the sample's of occived instet, i.e., not broken?   Yes   Note the sample's of occived instet, i.e., not broken?   Yes   Note the sample for occived in inst. i.e., not broken?   Yes   Note the sample for occived in inst. i.e., not broken?   Yes   Note the sample for occived in inst. i.e., not broken?   Yes   Note the sample for occived in inst. i.e., not broken?   Yes   Note the sample for occived in inst. i.e., not broken?   Yes   Note the sample for occived in inst. i.e., not broken?   Yes   Note the sample for occived in inst. i.e., not broken?   Yes   Note the sample for occived in inst. i.e., not broken?   Yes   Note that the sample for occived in inst. i.e., not broken?   Yes   Note that the sample for occived in inst. i.e., not broken?   Yes   Note that the sample for occived in inst. i.e., not broken?   Yes   Note that the sample collected in the context container.   Yes   Note that the sample collected in the correct container?   Yes   Note that the sample collected in the correct container?   Yes   Note that the sample collected in the correct container?   Yes   Note that the sample collected i	Client:	Devon Energy - Carlsbad	Date Received:	12/09/24	08:00	Work Order ID:	E412050
Email: agioverago@emolum.com. Due Date: 12/13/24 17/80 (# day TAT)  Chain of Custedy (COC)  1. Does the sample ID match the COC? 2	Phone:	(505) 382-1211	Date Logged In:	12/06/24	16:51	Logged In By:	Noe Soto
1. Does the sample ID match the COC? 2. Does the number of samples per sampling site location match the COC 3. Were and lamples of somples per sampling site location match the COC 4. Was the COC complete, iz., signatures, dates/times, requested analyse; 4. Was the COC complete, iz., signatures, dates/times, requested unalyse; 5. Were all samples received within bolding time? 5. Were all samples received within bolding time? 6. Dath the COC indicate standard TAT, or Expedited TAT? 6. Dath the COC indicate standard TAT, or Expedited TAT? 7. Was a sample cooler received? 7. Was a sample cooler received? 8. Was a sample cooler received? 8. Was a sample cooler received? 9. Was the sample(s) received intact, i.e., not broken? 10. Were cutastly/security seals present? 10. Were cutastly/security seals present? 11. If yes, were custody/security seals intact? 12. Was the sample received on itself type, the recoeded temp is 4°C, i.e., 6°+2°C Note. Termand preservation in or required, if samples are received wit 5 minutes of sampling 13. If no visible is, exceed the temperature. Actual sample temperature: 14. Are aqueous VOC samples collected in VOA Visik? 15. Are VOC samples collected in the correct containers? 16. Is the head space less than 6-8 mm (pea sized or less)? 17. Was a trip blank (TB) included for VOC analyses? 18. Are non-VOC samples collected in the correct containers? 19. Is the appropriate volume/weight or unaber of sample containers collected? 19. Is the appropriate volume/weight or unaber of sample containers collected? 20. Were field sample labels filled out with the minimum information: 21. Does the COC or field labels indicate the samples were preserved? 22. Are samples collected required to get sent to a subcontract laboratory? 23. Are samples required to get sent to a subcontract laboratory? 24. Are samples required to get sent to a subcontract laboratory? 25. Was a subcontract laboratory. 26. Were field laboratory. 27. If yes, done the COC specify which phase(s) is to be analyzed? 28. Are samples re							
1. Does the sample ID match the COC? 2. Does the number of samples per sampling site location match the COC 3. Were and lamples of somples per sampling site location match the COC 4. Was the COC complete, iz., signatures, dates/times, requested analyse; 4. Was the COC complete, iz., signatures, dates/times, requested unalyse; 5. Were all samples received within bolding time? 5. Were all samples received within bolding time? 6. Dath the COC indicate standard TAT, or Expedited TAT? 6. Dath the COC indicate standard TAT, or Expedited TAT? 7. Was a sample cooler received? 7. Was a sample cooler received? 8. Was a sample cooler received? 8. Was a sample cooler received? 9. Was the sample(s) received intact, i.e., not broken? 10. Were cutastly/security seals present? 10. Were cutastly/security seals present? 11. If yes, were custody/security seals intact? 12. Was the sample received on itself type, the recoeded temp is 4°C, i.e., 6°+2°C Note. Termand preservation in or required, if samples are received wit 5 minutes of sampling 13. If no visible is, exceed the temperature. Actual sample temperature: 14. Are aqueous VOC samples collected in VOA Visik? 15. Are VOC samples collected in the correct containers? 16. Is the head space less than 6-8 mm (pea sized or less)? 17. Was a trip blank (TB) included for VOC analyses? 18. Are non-VOC samples collected in the correct containers? 19. Is the appropriate volume/weight or unaber of sample containers collected? 19. Is the appropriate volume/weight or unaber of sample containers collected? 20. Were field sample labels filled out with the minimum information: 21. Does the COC or field labels indicate the samples were preserved? 22. Are samples collected required to get sent to a subcontract laboratory? 23. Are samples required to get sent to a subcontract laboratory? 24. Are samples required to get sent to a subcontract laboratory? 25. Was a subcontract laboratory. 26. Were field laboratory. 27. If yes, done the COC specify which phase(s) is to be analyzed? 28. Are samples re							
2. Does the number of samples per sampling site location match the COC Yes Carrier: Courier 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes Norce-Analysis, such as If which should be conducted in the field, i.e., 15 minute bold time, are not included in this discussion.  Sample Furnal Time TATA  Did the COC indicates standard TAT, or Expedited TAT? Yes Sample Cooler received?  7. Was a sample cooler received?  8. If yes, was cooler received?  9. Was the sample cooler received?  10. Were custody/security seals intact?  11. If yes, were custody/security seals intact?  12. Was the sample received on ise? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received with 15 minutes of sampling.  13. If no visible ice, record the temperature. Actual sample temperature: 4°C Sample Cooler for sampling in the Cooler of Sample Cooler of Samples on the temperature. Actual sample temperature: 4°C Sample Cooler for NOC samples present?  14. Arr acqueous VOC samples collected in VOA Vials?  15. Are VOC samples collected in VOA Vials?  16. Is the head space less than 6.8 mm (pea sized or less)?  17. Was a trip blank (TB) included for VOC analyses?  18. Are non-VOC samples collected in the correct containers?  19. Is the appropriate volume/weight or number of sample containers?  19. Our Time Collected?  20. Were field sample labels filled out with the minimum information:  Sample Preservation  21. Does the COC or field labels indicate the samples were preserved?  22. Are sample(s) correctly preserved?  23. Are samples played have more than one phase, i.s., multiphase?  24. Is lab filteration required and/or requested for dissolved metals?  No  Subcontract Laboratory  25. Are samples played have more than one phase, i.s., multiphase?  26. Conset the sample have more than one phase, i.s., multiphase?  27. If yes, does the COC specify which phase(s) is to be analyzed?  No  Subcontract Laboratory  No  Subcontract Laboratory  No  Client Structure.	Chain of	Custody (COC)					
2. Does the number of samples per sampling site location match the COC Yes Carrier: Courier 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes Norce-Analysis, such as If which should be conducted in the field, i.e., 15 minute bold time, are not included in this discussion.  Sample Furnal Time TATA  Did the COC indicates standard TAT, or Expedited TAT? Yes Sample Cooler received?  7. Was a sample cooler received?  8. If yes, was cooler received?  9. Was the sample cooler received?  10. Were custody/security seals intact?  11. If yes, were custody/security seals intact?  12. Was the sample received on ise? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received with 15 minutes of sampling.  13. If no visible ice, record the temperature. Actual sample temperature: 4°C Sample Cooler for sampling in the Cooler of Sample Cooler of Samples on the temperature. Actual sample temperature: 4°C Sample Cooler for NOC samples present?  14. Arr acqueous VOC samples collected in VOA Vials?  15. Are VOC samples collected in VOA Vials?  16. Is the head space less than 6.8 mm (pea sized or less)?  17. Was a trip blank (TB) included for VOC analyses?  18. Are non-VOC samples collected in the correct containers?  19. Is the appropriate volume/weight or number of sample containers?  19. Our Time Collected?  20. Were field sample labels filled out with the minimum information:  Sample Preservation  21. Does the COC or field labels indicate the samples were preserved?  22. Are sample(s) correctly preserved?  23. Are samples played have more than one phase, i.s., multiphase?  24. Is lab filteration required and/or requested for dissolved metals?  No  Subcontract Laboratory  25. Are samples played have more than one phase, i.s., multiphase?  26. Conset the sample have more than one phase, i.s., multiphase?  27. If yes, does the COC specify which phase(s) is to be analyzed?  No  Subcontract Laboratory  No  Subcontract Laboratory  No  Client Structure.				Yes			
3. Were samples dropped off by client or carrier? 4. Was the COC complete, i.e., signatures, dates times, requested analyses? 5. Were all samples received within holding time? 6. Nute. Analysis, such as pH which should be conducted in the field, i.e., 15 minutes hold true, are not included in this dissussion.  Sample Turn Around Time (TAT) 6. Did the COC indicate standard TAT, or Expedited TAT?  7. Yes  Sample Cooler 7. Was a sample cooler received? 8. If yes, was cooler received induct, i.e., not broken? 9. Were custody/security seals present? 9. No Were custody/security seals received mines of the present of the prese		-	tch the COC				
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?  5. Were all samples received within holding time?  Note Analysis, such say fly which should be conduced in the field, 1e, 15 minute hold time, are not included in this discussion.  Samule Turn Arraylis, such say fly which should be conduced in the field, 1e, 15 minute hold time, are not included in this discussion.  Samule Turn Arraylis, such say fly which should be conduced in the field, 1e, 15 minute hold time, are not included in this discussion.  Samule Could Turn Could Time (TAT)  7. Did the COC indicate standard TAT, or Expedited TAT?  8. Samule Could received?  9. Was the sample(s) received inted, i.e., not broken?  9. Was the sample(s) received inted, i.e., not broken?  9. Was the sample(s) received inted, i.e., not broken?  10. Were custedy/security seals present?  10. Were custedy/security seals intact?  12. Was the sample received on ite? If ye, the recorded temp is 4°C, i.e., 6°±2°C  Note: Thermal preservation is not required, if samples are received wii 15 minutes of sampling  13. If no visible ice, record the temperature. Actual sample temperature: 4°C  Samule Container  14. Are aqueous VOC samples present?  15. Are VOC samples collected in VOA Vials?  16. Is the head space less than 6°S mm (pea sized or less)?  17. Was a trip blank (TB) included for VOC analyses?  18. Are non-VOC samples protected in the correct containers?  19. Is the appropriate volume/weight or number of sample containers collected?  20. Were field sample labels filled out with the minimum information:  Sample DY  21. Was a trip blank (TB) included for VOC analyses?  No  22. Are sample(s) correctly preserved?  No  Sample Preservation  10. Does the Sample have more than one phase, i.e., multiphase?  No  Subcontract Laboratory.  No  Subcontract Laboratory  No  29. Was a subcontract laboratory specified by the client and if so who?  No  Subcontract Laboratory  No  Subcontract Laboratory  No  Subcontract Laboratory					Carrier: Courie	er	
5. Were call samples received within holding time? Note Analysis such as pile which should be conducted in the field, i.e., 15 minute hold time, are not included in this dissuession.  Samule Turn Around Time (TAT) Did the COC indicate standard TAT; or Expedited TAT? Yes Samule Cooler Ves 8. If yes, was cooler received? Site sample cooler received in good condition? Yes 9. Was the sample(c) received indicat, i.e., not broken? Yes 10. Were custody/security seals intact? No 11. If yes, were custody/security seals intact? No 12. Wes the sample received on ite? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received wil 15 minutes of sampling 13. If no visible ice, record the temperature. Actual sample temperature: 4°C Sample Container 14. Are augeous VOC samples collected in VOA Vials? No 15. Are VOC samples collected in VOA Vials? No 16. Is the head space less than 6-8 mm (pea sized or less)? No 17. Was a trip blank (TB) included for VOC analyses? No 18. Are non-VOC samples collected in the correct containers? Yes 19. Is the pappopriate volume-weight or number of sample containers collected? Yes 19. Date: Time Collected? Collectors name? No Sample Preservation 11. If yes, the record of received will be samples were preserved? No No Sample Preservation 12. Does the COC or field labels indicate the samples were preserved? No No Multiphase Cample Matrix Suppole have more than one phase, i.e., multiphase? No Multiphase Cample have more than one phase, i.e., multiphase? No Subcontract Laboratory No Subcontract Laboratory No Subcontract Laboratory Say subcontract Laboratory No Subcontract Laboratory Say subcontract Laboratory No Subcontract Laboratory		• • • •	sted analyses?		Carrier. Courte	<u> </u>	
Note: Analysis, such as pH which should be conducted in this discussion.  Sample Turn Around Time (TAT)  6. Did the COC indicate standard TAT, or Expedited TAT?  7. Was a sample cooler received?  7. Was a sample cooler received in good condition?  9. Was the sample(s) received intact, i.e., not broken?  9. Was the sample(s) received intact, i.e., not broken?  10. Were custedy/security seals present?  10. Were custedy/security seals present?  10. Were custedy/security seals intact?  11. If yes, were custedy/security seals intact?  12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C  Note: Thermal preservation is not required, if samples are received wil 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?  15. Are VOC samples collected in VOA Vials?  16. Is the head space less than 6-8 mm (pea sized of resy)?  17. Was a trip blank (TB) included for VOC analyses?  18. Are non-VOC samples collected in the correct containers?  19. Is the appropriate volume/weight or number of sample containers collected?  19. Is the appropriate volume/weight or number of sample containers collected?  20. Were field sample labels filled out with the minimum information:  Sample ID?  Date Time Collected?  Collectors name?  No  Sample Preservation.  21. Does the sample have more than one phase, i.e., multiphase?  No  Sample Sample Matrix  26. Does the sample have more than one phase, i.e., multiphase?  No  Subcontract Laboratory.  28. Are samples prequired to get sent to a subcontract laboratory?  No  29. Was a subcontract Laboratory specified by the client and if so who?  No  Subcontract Laboratory.  28. As a subcontract Laboratory specified by the client and if so who?  No  Client Instruction		· · · · · ·	,,				
6. Did the COC indicate standard TAT, or Expedited TAF?  Sample Cooler  7. Was a sample cooler received?  8. If yes, was cooler received in good condition?  9. Was the sample (s) received intact, i.e., not broken?  9. Was the sample (s) received intact, i.e., not broken?  10. Were custody/security seals present?  11. If yes, were custody/security seals intact?  12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C  Note: Thermal preservation is not required, if samples are received wii 15 minutes of sampling  13. If no visible ice, record the temperature. Actual sample temperature: 4°C  Sample Container  14. Are aqueous VOC samples collected in VOA Vials?  15. Are VOC samples collected in the correct containers?  17. Was a trip blank (TB) included for VOC analyses?  19. Is the appropriate volume/weight or number of sample containers collected?  19. User field sample labels filled out with the minimum information:  Sample ID?  20. Were field sample labels filled out with the minimum information:  Sample ID?  20. Were field sample soldceted in the correct containers?  Yes  21. Does the COC of field labels indicate the samples were preserved?  No  Sample ID?  22. Are sample(s) correctly preserved?  No  Sample ID preservation.  12. Does the COC of field labels indicate the samples were preserved?  No  Sample ID preservation.  23. Are sample(s) correctly preserved?  No  Sample ID preservation.  24. Is lab filteration required and/or requested for dissolved metals?  No  Sample ID;  No  Sample Preservation.  25. Are sample sequired to get sent to a subcontract laboratory?  No  Subcontract Laboratory  26. Are samples required to get sent to a subcontract laboratory?  No  Subcontract Laboratory  27. If yes, does the COC specify which phase(s) is to be analyzed?  No  Client Instruction	5. West a	Note: Analysis, such as pH which should be conducted it		100		Commen	ts/Resolution
Sample Cooler 7. Was a sample cooler received? 7. Was a sample cooler received in good condition? 7. Was a sample (so preceived intact, i.e., not broken? 7. Was the sample(s) received intact, i.e., not broken? 7. Was the sample (so preceived intact, i.e., not broken? 7. Was the sample received intact, i.e., not broken? 7. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C 7. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C 7. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C 8. Mote: Thermal preservation is not required, if samples are received will 15 minutes of sampling 8. Jiff no visible ice, record the temperature. 8. Actual sample temperature: 4°C 8. Sample Container 14. Are aqueous VOC samples present? 15. Are VOC samples collected in VOA Vials? 16. Is the head space less than 6.8 mm (pea sized or less)? 17. Was a trip blank (TB) included for VOC analyses? 18. Are non-VOC samples collected in the correct containers? 19. Is the appropriate volume/weight or number of sample containers collected? 19. Is the appropriate volume/weight or number of sample containers collected? 19. User field sample labels filled out with the minimum information: 19. Sample ID? 20. Were field sample labels filled out with the minimum information: 19. Sample ID? 21. Does the COC or field labels indicate the samples were preserved? 22. Are sample(s) correctly preserved? 23. Are sample Martix 24. Does the COC or field have more than one phase, i.e., multiphase? 25. Does the cock specify which phase(s) is to be analyzed? 26. Are samples required to get sent to a subcontract laboratory? 27. If yes, does the COC specify which phase(s) is to be analyzed? 28. Are samples required to get sent to a subcontract laboratory? 29. Was a subcontract laboratory specified by the client and if so who? 29. Was a subcontract laboratory specified by the client and if so who?	Sample 7	<u> Furn Around Time (TAT)</u>					
7. Was a sample cooler received? 7. Was a sample cooler received in good condition? 7. Yes 8. If yes, was cooler received in good condition? 7. Yes 9. Was the sample (s) received in fact, i.e., not broken? 7. No 11. If yes, were custody/security seals present? 8. No 11. If yes, were custody/security seals present? 12. Was the sample received in ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received win 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? 15. Are VOC samples collected in VOA Vials? 16. Is the head space less than 6-8 mm (pea sized or less)? 17. Was a trip blank (TB) included for VOC analyses? 18. Are non-VOC samples collected in the correct containers? 19. Is the appropriate volume/weight or number of sample containers collected? 19. Is the appropriate volume/weight or number of sample containers collected? 29. Ower field sample labels filled out with the minimum information: Sample ID? 20. Were field sample labels filled out with the minimum information: Sample Preservation 21. Does the COC or field labels indicate the samples were preserved? 22. Are sample(s) correctly preserved? 32. Are sample(s) correctly preserved? 33. No 34. No 35. No 36. No 36. No 37. If yes, does the COC specify which phase(s) is to be analyzed? 36. Does the sample have more than one phase, i.e., multiphase? 37. If yes, does the COC specify which phase(s) is to be analyzed? 38. No 39. Was a subcontract Laboratory specified by the client and if so who? 39. Was a subcontract laboratory specified by the client and if so who? 30. Verified Instruction	6. Did the	e COC indicate standard TAT, or Expedited TAT?		Yes			
8. If yes, was cooler received in good condition?  9. Was the sample(s) received intact, i.e., not broken?  10. Were custody/security seals present?  11. If yes, were custody/security seals intact?  12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received wii 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?  15. Are VOC samples collected in VOA Vials?  16. Is the head space less than 6-8 mm (pea sized or less)?  17. Was a trip blank (TB) included for VOC analyses?  18. Are non-VOC samples collected in the correct containers?  19. Is the appropriate volume/weight or number of sample containers?  19. Is the appropriate volume/weight or number of sample containers collected?  20. Were field sample labels filled out with the minimum information:  Sample ID?  Date Time Collected?  Collectors name?  21. Does the COC or field labels indicate the samples were preserved?  22. Are sample(s) correctly preserved?  23. Are sample Sample Matrix  26. Does the sample have more than one phase, i.e., multiphase?  29. Was authout that one phase, i.e., multiphase?  29. Was authout that one phase, i.e., multiphase?  29. Was authout that one phase required to get sent to a subcontract laboratory?  29. Was a subcontract Laboratory specified by the client and if so who?  Client Instruction	Sample (	<u>Cooler</u>					
9. Was the sample(s) received infact, i.e., not broken? 10. Were custody/security seals present? No 11. If yes, were custody/security seals infact? NA 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received win 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 16. Is the head space less than 6-8 mm (pea sized or less)? NA 17. Was a trip bank (TB) included for VOC analyses? NA 18. Are non-VOC samples collected in the correct containers? Yes 19. Is the appropriate volume/weight or number of sample containers collected? Yes Field Label 20. Were field sample labels filled out with the minimum information: Sample ID? Date Time Collected? Collectors name? No Sample Preservation 21. Does the COC or field labels indicate the samples were preserved? No Sample Idilected in required and/or requested for dissolved metals? No Multiphase Sample Matrix 26. Does the sample have more than one phase, i.e., multiphase? No No Shubeontract Laboratory No No Shubeontract Laboratory specified by the client and if so who? No Client Instruction	7. Was a	sample cooler received?		Yes			
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11. If yes, were custody/security seals intact?  12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling  13. If no visible ice, record the temperature. Actual sample temperature: 4°C  Sample Container  14. Are aqueous VOC samples present?  15. Are VOC samples collected in VOA Vials?  16. Is the head space less than 6-8 mm (pea sized or less)?  17. Was a trip blank (TB) included for VOC analyses?  18. Are non-VOC samples collected in the correct containers?  19. Is the appropriate volume/weight or number of sample containers collected?  19. Effed Label  20. Were field sample labels filled out with the minimum information:  Sample ID?  Date/Time Collected?  Collectors name?  No  Sample Preservation  21. Does the COC or field labels indicate the samples were preserved?  No  Sample (S) correctly preserved?  No  Multiphase Sample Martx  26. Does the sample have more than one phase, i.e., multiphase?  No  Subcontract Laboratory  28. Are samples required to get sent to a subcontract laboratory?  No  Client Instruction	10. Were	custody/security seals present?					
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Sample Container  14. Are aqueous VOC samples present?  15. Are VOC samples collected in VOA Vials?  16. Is the head space less than 6-8 mm (pea sized or less)?  17. Was a trip blank (TB) included for VOC analyses?  18. Are non-VOC samples collected in the correct containers?  19. Is the appropriate volume/weight or number of sample containers collected?  Field Label  20. Were field sample labels filled out with the minimum information:  Sample ID?  Date/Time Collected?  Collectors name?  10. Does the COC or field labels indicate the samples were preserved?  11. Does the COC or field labels indicate the samples were preserved?  12. Are sample(s) correctly preserved?  13. Is lab filteration required and/or requested for dissolved metals?  Multiphase Sample Matrix  26. Does the sample have more than one phase, i.e., multiphase?  17. If yes, does the COC specify which phase(s) is to be analyzed?  No  Subcontract Laboratory  28. Are samples required to get sent to a subcontract laboratory?  No  Client Instruction		Note: Thermal preservation is not required, if samples a minutes of sampling	re received w/i 15				
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Field Label  20. Were field sample labels filled out with the minimum information: Sample ID? Date/Time Collected? Collectors name?  Sample Preservation  21. Does the COC or field labels indicate the samples were preserved? No  22. Are sample(s) correctly preserved? NA  24. Is lab filteration required and/or requested for dissolved metals? No  Multiphase Sample Matrix  26. Does the sample have more than one phase, i.e., multiphase? No  71. 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  99. Was a subcontract laboratory specified by the client and if so who?  NA  Subcontract Lab: NA				Yes			
20. Were field sample labels filled out with the minimum information: Sample ID? Date/Time Collected? Collectors name? No  Sample Preservation 21. Does the COC or field labels indicate the samples were preserved? No 22. Are sample(s) correctly preserved? No Multiphase Sample Matrix 26. Does the sample have more than one phase, i.e., multiphase? No  No Subcontract Laboratory 28. Are samples required to get sent to a subcontract laboratory? No Subcontract Laboratory specified by the client and if so who? No Client Instruction	19. Is the	appropriate volume/weight or number of sample contain	ners collected?	Yes			
Sample ID? Date/Time Collected? Collectors name? No  Sample Preservation 21. Does the COC or field labels indicate the samples were preserved? No 22. Are sample(s) correctly preserved? No Multiphase Sample Matrix 26. Does the sample have more than one phase, i.e., multiphase? No 7. If yes, does the COC specify which phase(s) is to be analyzed? No  Subcontract Laboratory 28. Are samples required to get sent to a subcontract laboratory? No Subcontract Laboratory specified by the client and if so who?  Client Instruction		<del></del>					
Date/Time Collected? Collectors name? No  Sample Preservation  21. Does the COC or field labels indicate the samples were preserved? No  22. Are sample(s) correctly preserved? No  Multiphase Sample Matrix  26. Does the sample have more than one phase, i.e., multiphase? No  71. If yes, does the COC specify which phase(s) is to be analyzed? NA  Subcontract Laboratory  28. Are samples required to get sent to a subcontract laboratory? No  Client Instruction			ormation:				
Collectors name?  Sample Preservation  21. Does the COC or field labels indicate the samples were preserved? No  22. Are sample(s) correctly preserved? No  Multiphase Sample Matrix  26. Does the sample have more than one phase, i.e., multiphase? No  71. If yes, does the COC specify which phase(s) is to be analyzed? NA  Subcontract Laboratory  28. Are samples required to get sent to a subcontract laboratory? No  No  Client Instruction  No  No  Subcontract Lab: NA  Client Instruction		•					
Sample Preservation  21. Does the COC or field labels indicate the samples were preserved?  22. Are sample(s) correctly preserved?  23. Is lab filteration required and/or requested for dissolved metals?  24. Is lab filteration required and/or requested for dissolved metals?  25. Does the sample have more than one phase, i.e., multiphase?  26. Does the sample have more than one phase, is to be analyzed?  27. If yes, does the COC specify which phase(s) is to be analyzed?  28. Are samples required to get sent to a subcontract laboratory?  29. Was a subcontract laboratory specified by the client and if so who?  Client Instruction							
21. Does the COC or field labels indicate the samples were preserved?  22. Are sample(s) correctly preserved?  24. Is lab filteration required and/or requested for dissolved metals?  No  Multiphase Sample Matrix  26. Does the sample have more than one phase, i.e., multiphase?  No  27. If yes, does the COC specify which phase(s) is to be analyzed?  NA  Subcontract Laboratory  28. Are samples required to get sent to a subcontract laboratory?  No  29. Was a subcontract laboratory specified by the client and if so who?  NA  Subcontract Lab: NA  Client Instruction				No			
22. Are sample(s) correctly preserved?  24. Is lab filteration required and/or requested for dissolved metals?  No  Multiphase Sample Matrix  26. Does the sample have more than one phase, i.e., multiphase?  No  27. If yes, does the COC specify which phase(s) is to be analyzed?  NA  Subcontract Laboratory  28. Are samples required to get sent to a subcontract laboratory?  No  29. Was a subcontract laboratory specified by the client and if so who?  NA  Subcontract Lab: NA  Client Instruction			reserved?	No			
24. Is lab filteration required and/or requested for dissolved metals?  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?  Client Instruction  No  No  Subcontract Lab: NA		•	reserved:				
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?  Client Instruction  No  Subcontract Lab: NA			metals?				
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		•	neurs:	110			
27. If yes, does the COC specify which phase(s) is to be analyzed?  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?  Client Instruction  NA Subcontract Lab: NA			9				
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?  Client Instruction  No  Subcontract Lab: NA							
28. Are samples required to get sent to a subcontract laboratory?  29. Was a subcontract laboratory specified by the client and if so who?  Client Instruction  No  NA  Subcontract Lab: NA	27. If yes	i, does the COC specify which phase(s) is to be anal	yzed?	NA			
29. Was a subcontract laboratory specified by the client and if so who?  NA Subcontract Lab: NA  Client Instruction	Subconti	ract Laboratory					
Client Instruction	28. Are s	amples required to get sent to a subcontract laborate	ory?	No			
	29. Was a	a subcontract laboratory specified by the client and i	f so who?	NA	Subcontract Lab: NA	<b>L</b>	
Samples 1,3,4,6 & 7- Mostly rock must pulverize Per client.	Client I	<u>nstruction</u>					
Samples 1,3,4,6 & 7- Mostly rock must pulverize Per client.	Cample	a 1 2 4 6 9 7. Manthy work much multiparine. Day	. aliant				
	Sample	s 1,3,4,6 & 7- Mostly rock must pulverize Per	client.				
							-

Date

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

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





# envirotech

Practical Solutions for a Better Tomorrow

# **Analytical Report**

**Devon Energy** 

Project Name: LVP. SWD #001

Work Order: E412061

Job Number: 01058-0007

Received: 12/10/2024

Revision: 4

Report Reviewed By:

Walter Hinchman Laboratory Director 12/17/24

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

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

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

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

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

Date Reported: 12/17/24

Ashley Giovengo PO Box 6459 Navajo Dam, NM 87419

Project Name: LVP. SWD #001

Workorder: E412061

Date Received: 12/10/2024 7:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/10/2024 7:00:00AM, under the Project Name: LVP. SWD #001.

The analytical test results summarized in this report with the Project Name: LVP. SWD #001 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881 Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

**Laboratory Administrator** Office: 505-632-1881

rainaschwanz@envirotech-inc.com

Field Offices:

**Southern New Mexico Area** Lynn Jarboe

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

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Michelle Gonzales

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	Project Name:	LVP. SWD #001	Donoutoda
PO Box 6459	Project Number:	01058-0007	Reported:
Navajo Dam NM, 87419	Project Manager:	Ashley Giovengo	12/17/24 08:29

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
FS02-4'	E412061-01A Soil	12/06/24	12/10/24	Glass Jar, 2 oz.
SW04- 0-4'	E412061-02A Soil	12/06/24	12/10/24	Glass Jar, 2 oz.



Project Name: LVP. SWD #001

Workorder:E412061

Date Received: 12/10/24 07:00

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

Sample Name <u>Laboratory ID</u> <u>Analysis</u>

FS03-4' E412061-01 Chloride 300.00

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

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

Respectfully,

Walter Hinchman

## **Sample Data**

Devon Energy	Project Name:	LVP. SWD #001	
PO Box 6459	Project Number:	01058-0007	Reported:
Navajo Dam NM, 87419	Project Manager:	Ashley Giovengo	12/17/2024 8:29:24AM

#### FS02-4' E412061-01

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: SL		Batch: 2450020
Benzene	ND	0.0250	1	12/10/24	12/10/24	
Ethylbenzene	ND	0.0250	1	12/10/24	12/10/24	
Toluene	ND	0.0250	1	12/10/24	12/10/24	
o-Xylene	ND	0.0250	1	12/10/24	12/10/24	
p,m-Xylene	ND	0.0500	1	12/10/24	12/10/24	
Total Xylenes	ND	0.0250	1	12/10/24	12/10/24	
Surrogate: 4-Bromochlorobenzene-PID	·	86.5 %	70-130	12/10/24	12/10/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	vst: SL		Batch: 2450020
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/24	12/10/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.7 %	70-130	12/10/24	12/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	/st: AF		Batch: 2450024
Diesel Range Organics (C10-C28)	ND	25.0	1	12/10/24	12/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/10/24	12/11/24	
Surrogate: n-Nonane		115 %	50-200	12/10/24	12/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: AK		Batch: 2450073
Chloride	739	20.0	1	12/12/24	12/12/24	

# Sample Data

Devon Energy	Project Name:	LVP. SWD #001	
PO Box 6459	Project Number:	01058-0007	Reported:
Navajo Dam NM, 87419	Project Manager:	Ashley Giovengo	12/17/2024 8:29:24AM

#### SW04- 0-4'

		E412061-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2450020
Benzene	ND	0.0250	1	12/10/24	12/10/24	
Ethylbenzene	ND	0.0250	1	12/10/24	12/10/24	
Toluene	ND	0.0250	1	12/10/24	12/10/24	
o-Xylene	ND	0.0250	1	12/10/24	12/10/24	
p,m-Xylene	ND	0.0500	1	12/10/24	12/10/24	
Total Xylenes	ND	0.0250	1	12/10/24	12/10/24	
Surrogate: 4-Bromochlorobenzene-PID		86.7 %	70-130	12/10/24	12/10/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2450020
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/10/24	12/10/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.5 %	70-130	12/10/24	12/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: AF		Batch: 2450024
Diesel Range Organics (C10-C28)	ND	25.0	1	12/10/24	12/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/10/24	12/11/24	
Surrogate: n-Nonane		116 %	50-200	12/10/24	12/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: AK		Batch: 2450029
Chloride	494	20.0	1	12/10/24	12/10/24	



		<i>J</i>	
Devon Energy	Project Name:	LVP. SWD #001	Reported:
PO Box 6459	Project Number:	01058-0007	
Navajo Dam NM, 87419	Project Manager:	Ashley Giovengo	12/17/2024 8:29:24AM
	Volatile Orga	nics by EPA 8021B	Analyst: SL

Navajo Dam NM, 87419		Project Manager	:: As	shley Gioveng	go			12/	17/2024 8:29:24AN		
		Volatile C	Organics b	y EPA 802	21B			Analyst: SL			
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit			
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes		
Blank (2450020-BLK1)							Prepared: 12	2/10/24 Anal	yzed: 12/10/24		
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: 4-Bromochlorobenzene-PID	6.82		8.00		85.2	70-130					
LCS (2450020-BS1)							Prepared: 12	2/10/24 Anal	yzed: 12/10/24		
Benzene	4.52	0.0250	5.00		90.4	70-130					
Ethylbenzene	4.35	0.0250	5.00		87.0	70-130					
Toluene	4.46	0.0250	5.00		89.1	70-130					
o-Xylene	4.37	0.0250	5.00		87.3	70-130					
p,m-Xylene	8.86	0.0500	10.0		88.6	70-130					
Total Xylenes	13.2	0.0250	15.0		88.2	70-130					
Surrogate: 4-Bromochlorobenzene-PID	6.84		8.00		85.5	70-130					
Matrix Spike (2450020-MS1)				Source:	E412060-	04	Prepared: 12	2/10/24 Anal	yzed: 12/10/24		
Benzene	5.06	0.0250	5.00	ND	101	54-133					
Ethylbenzene	4.89	0.0250	5.00	ND	97.8	61-133					
Toluene	5.00	0.0250	5.00	ND	100	61-130					
p-Xylene	4.87	0.0250	5.00	ND	97.5	63-131					
p,m-Xylene	9.95	0.0500	10.0	ND	99.5	63-131					
Total Xylenes	14.8	0.0250	15.0	ND	98.8	63-131					
Surrogate: 4-Bromochlorobenzene-PID	6.93		8.00		86.6	70-130					
Matrix Spike Dup (2450020-MSD1)				Source:	E412060-	04	Prepared: 12	2/10/24 Anal	yzed: 12/10/24		
Benzene	4.91	0.0250	5.00	ND	98.1	54-133	3.02	20			
Ethylbenzene	4.74	0.0250	5.00	ND	94.7	61-133	3.21	20			
Toluene	4.84	0.0250	5.00	ND	96.8	61-130	3.23	20			
o-Xylene	4.73	0.0250	5.00	ND	94.6	63-131	3.01	20			
p,m-Xylene	9.63	0.0500	10.0	ND	96.3	63-131	3.22	20			
Total Xylenes	14.4	0.0250	15.0	ND	95.8	63-131	3.15	20			
Surrogate: 4-Bromochlorobenzene-PID	6.95		8.00		86.9	70-130					



Gasoline Range Organics (C6-C10)

Surrogate: 1-Chloro-4-fluorobenzene-FID

## **QC Summary Data**

Devon EnergyProject Name:LVP. SWD #001Reported:PO Box 6459Project Number:01058-0007Navajo Dam NM, 87419Project Manager:Ashley Giovengo12/17/2024 8:29:24AM

Navajo Dam NM, 87419		Project Manage	r: As	shley Gioveng	go			12/	/17/2024 8:29:24AN	
	Nonhalogenated Organics by EPA 8015D - GRO								Analyst: SL	
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2450020-BLK1)							Prepared: 1	2/10/24 Ana	lyzed: 12/10/24	
Gasoline Range Organics (C6-C10)	ND	20.0								
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.75		8.00		96.8	70-130				
LCS (2450020-BS2)							Prepared: 1	2/10/24 Ana	lyzed: 12/10/24	
Gasoline Range Organics (C6-C10)	40.3	20.0	50.0		80.7	70-130				
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.74		8.00		96.8	70-130				
Matrix Spike (2450020-MS2)				Source:	E412060-0	04	Prepared: 1	2/10/24 Ana	lyzed: 12/10/24	
Gasoline Range Organics (C6-C10)	42.1	20.0	50.0	ND	84.2	70-130				
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.78		8.00		97.2	70-130				
Matrix Spike Dup (2450020-MSD2)				Source:	E412060-0	)4	Prepared: 1	2/10/24 Ana	lyzed: 12/10/24	

50.0

8.00

ND

70-130

70-130

97.6

4.78

20

40.2

7.81

20.0

Devon EnergyProject Name:LVP. SWD #001Reported:PO Box 6459Project Number:01058-0007Navajo Dam NM, 87419Project Manager:Ashley Giovengo12/17/20248:29:24AM

Navajo Dani NW, 8/419		Project Manager	i. As	mey Gloveng	30			1.	2/17/2024 6.29.24A
	Nonha	logenated Or	ganics by l	EPA 8015I	) - DRO	/ORO			Analyst: AF
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2450024-BLK1)							Prepared: 1	2/10/24 An	alyzed: 12/10/24
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	53.9		50.0		108	50-200			
LCS (2450024-BS1)							Prepared: 1	2/10/24 An	alyzed: 12/10/24
Diesel Range Organics (C10-C28)	265	25.0	250		106	38-132			
urrogate: n-Nonane	55.3		50.0		111	50-200			
Matrix Spike (2450024-MS1)				Source:	E412063-	03	Prepared: 1	2/10/24 An	alyzed: 12/10/24
Diesel Range Organics (C10-C28)	284	25.0	250	ND	114	38-132			
urrogate: n-Nonane	57.3		50.0		115	50-200			
Matrix Spike Dup (2450024-MSD1)				Source:	E412063-	03	Prepared: 1	2/10/24 An	alyzed: 12/10/24
Diesel Range Organics (C10-C28)	275	25.0	250	ND	110	38-132	3.23	20	
hurrogate: n-Nonane	58.3		50.0		117	50-200			

# **QC Summary Data**

Devon Energy PO Box 6459	Project Name: Project Number:	LVP. SWD #001 01058-0007	Reported:
Navajo Dam NM, 87419	Project Manager:	Ashley Giovengo	12/17/2024 8:29:24AM

Anions by	EPA 300.0/9056A
-----------	-----------------

		Analyst: AK
D	RPD Limit	

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2450029-BLK1)							Prepared: 12	2/10/24 Ana	llyzed: 12/10/24
Chloride	ND	20.0							
LCS (2450029-BS1)							Prepared: 12	2/10/24 Ana	lyzed: 12/10/24
Chloride	255	20.0	250		102	90-110			
LCS Dup (2450029-BSD1)							Prepared: 12	2/10/24 Ana	lyzed: 12/10/24
Chloride	254	20.0	250		102	90-110	0.158	20	

LCS (2450073-BS1)

LCS Dup (2450073-BSD1)

Chloride

Chloride

Prepared: 12/12/24 Analyzed: 12/12/24

Prepared: 12/12/24 Analyzed: 12/12/24

## **QC Summary Data**

Devon Energy PO Box 6459 Navajo Dam NM, 87419		Project Name: Project Number Project Manager	: 01	LVP. SWD #001 01058-0007 Ashley Giovengo					<b>Reported:</b> 12/17/2024 8:29:24AM
		Anions	by EPA 3	300.0/9056 <i>A</i>	4				Analyst: AK
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2450073-BLK1)							Prepared: 1	2/12/24 A	Analyzed: 12/12/24
Chloride	ND	20.0							

250

250

102

102

90-110

90-110

0.0904

254

255

20.0

20.0

#### 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**

ſ	Devon Energy	Project Name:	LVP. SWD #001	
١	PO Box 6459	Project Number:	01058-0007	Reported:
l	Navajo Dam NM, 87419	Project Manager:	Ashley Giovengo	12/17/24 08:29

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.



									Ch	ain of	Cust	ody				6	OIO.	58-	0	07	0	M				Pa	ge_	-	וכ
	Clie	nt Inform	nation					Invoic	ce Inform	ation					La		e On						AT			Sta	ate		
Client: D	evon					Co	mpany:	: Devo	n Energy			_ 1	Lab \	WO#			Job I	Numl	ber		1D	2D	3D	Std	N	M CO L	T	ГХ	٦
Project:	LVP SWD #00	01				Ad	ldress:	5315 B	uena Vis	ta Dr			E4	120	lox	- 1	23	•						х	х				
Project N	lanager: Ash	nley Giov	engo			Cit	y, State	, Zip: C	Carlsbad	NM, 882	220	_ [																	
	3122 Nation					Pho	one: (57	75)689-	-7597			_					Ana	lysis	and	Met	hod					EPA Prog			
	e, Zip: Carlsh		88220			Em	ail: jim	ı.raley@	@dvn.con	n															SDW	CWA		RCRA	
	75-988-0055					Misc	ellaneo	ous: Jim	Raley																				
Email: a	giovengo@er	nsolum.c	om											015	315										Compli		Y (	or N	1
														by 8	by 8	171	90	0.00	Σ	7	tals				PWSID	#			
				San	nple Info	rmatio	n				L 0			ORO	SRO SRO	3y 8C	y 82	de 3(	C. N	- 500	8 M						Ca.		
Time Sampled	Date Sampled	Matrix	No. of Containers			4	Sample	ID			Field	Lal Num		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					Remar	KS		
10:43	12/6/2024	Sd	1				FS03 - 4	4'			13	1							х										
10:33	12/6/2024	Sd	1			S	W04 - 0	)-4'				2							х										
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A ddition	al Instruction	nc. Dlan	so CC: ch	urton@o	ncolum	com a	giovono	70@000	solum so	m lim r	alov@	dun c	om	iostr	olla	Done	olun	n cor	n ch	amil	ton/	Done	olum	com					
bsimmor	s@ensolum	.com			April 100 Co		7 10 10 10	1.30.40	10000			1111	9.00		- Control														
	ler), attest to the _Cole Burton	validity and	d authenticity	of this samp	ole. I am av	vare that 1	tampering	with or in	ntentionally	mislabeling -	the sam	ple loca	ition, (	date or	time	of colle	ection	is cons	idered	fraud	and m	nay be	ground	is for le	gal action				
Relinquishe	ed-by: (Signatur	e)	Date 12	19/24	Time	5	Received	by (Sign	nature)		Date	9.	24	Time	20	1			A		0 10-00					ed on ice the o			
(a)	d by: (Signature		Date	9.20	Time (	30	An	d by: (Sign	. М.		Date	·a:	24	Time /	63	0			Rec	eived	l on i	ice:	_	ab Us )/ N	e Only				î
Relinerishe	d by: (Signature	e)	Date	9.24	77	5	Receive	by: (Sign	nature)	Mari	Date	10-2	24	Time 7:	00				<u>T1</u>				T2			T3			
Relinquish	ed by: (Signature	e)	Date		Time		Receive	Sign	natura	4.00	Date			Time					AVG	i Ten	o° ar	. 1	+						
Sample Mat	rix: S - Soil, Sd - So	olid, Sg - Slu	dge, A - Aque	ous, O - Oth	er						Conf	ainer	Туре	: g - g	glass,	<b>p</b> - po	oly/p						VOA						7
														7		100								C 40 10 15				A	-

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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Printed: 12/10/2024 9:06:33AM

### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Devon Energy	Date Received:	12/10/24	07:00		Work Order ID:	E412061
Phone:	(505)324-5600	Date Logged In:	12/09/24	15:11		Logged In By:	Caitlin Mars
Email:		Due Date:		17:00 (4 day TAT)		Bogged in By.	Culvini Maio
Chain at	S Cueto du (COC)						
	Custody (COC) he sample ID match the COC?		Yes				
	he number of samples per sampling site location mate	th the COC	Yes				
	samples dropped off by client or carrier?		Yes	Carrier: C	Courrier		
	the COC complete, i.e., signatures, dates/times, request	ed analyses?	Yes	Carrier: C	<u>Journer</u>		
	all samples received within holding time?	ea anary ses.	Yes				
<i>3.</i> <b>We</b> le t	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion		103			<u>Comment</u>	s/Resolution
Sample '	<u> Furn Around Time (TAT)</u>						
6. Did th	e COC indicate standard TAT, or Expedited TAT?		Yes				
Sample (	<u>Cooler</u>						
7. Was a	sample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was th	ne sample(s) received intact, i.e., not broken?		Yes				
10. Were	custody/security seals present?		No				
	s, were custody/security seals intact?		NA				
	ne sample received on ice? If yes, the recorded temp is 4°C, i Note: Thermal preservation is not required, if samples are minutes of sampling	received w/i 15	Yes				
	visible ice, record the temperature. Actual sample	emperature: 4°C	<u> </u>				
	Container 1 2 2						
	equeous VOC samples present?		No				
	/OC samples collected in VOA Vials?		NA NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	a trip blank (TB) included for VOC analyses?		NA				
	non-VOC samples collected in the correct containers?	oma a alla ata d?	Yes				
	appropriate volume/weight or number of sample containe	ers conecteu?	Yes				
Field La	net be sample labels filled out with the minimum infor	matian					
	sample ID?	mation.	Yes				
	Date/Time Collected?		Yes				
(	Collectors name?		No				
	Preservation	10					
	the COC or field labels indicate the samples were pro	eserved?	No				
	ample(s) correctly preserved?	-4-1-9	NA				
	filteration required and/or requested for dissolved me	etais?	No				
	ase Sample Matrix	_					
	the sample have more than one phase, i.e., multiphas		No				
27. If yes	s, does the COC specify which phase(s) is to be analyzed	zed?	NA				
Subcont	ract Laboratory						
28. Are s	amples required to get sent to a subcontract laborator	y?	No				
29. Was a	a subcontract laboratory specified by the client and if	so who?	NA	Subcontract Lab	o: NA		
Client I	nstruction_						
<u></u>							

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roject N	LVP SWD #00 lanager: Ash	hley Giov				Add City	dress: 531 , State, Zi	Devon Energy 15 Buena Vista ip: Carlsbad N		0		HI.	206	<u>_</u>	lgb I	Numb	oer		1D	2D	3D :	_	NM x	CO UT	TX
City, Stat Phone: 5	3122 Nation e, Zip: Carlsb 575-988-0055 giovengo@er	bad NM, 5	88220			Ema		689-7597 ley@dvn.com : Jim Raley				F	10		Ana	lysis	and	Met	hod				SDWA Compliance	CWA Y	RCRA or N
				Com	ala Inform				***			hv 0015	by 8015	021	098	0.00	N.	ř.	Metals			- 1	PWSID#		
Time Sampled	Date Sampled	Matrix	No, of Containers		ole Inform	9	Sample ID			Field	Lab Number	1 080/080	GRO/DRO by	ВТЕХ ЬУ 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 M					Remarks	
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bsimmo	ditional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, jim.raley@dvn.com, iestrella@ensolum.com, chamilton@ensolum.com, immons@ensolum.com  led 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.																								
	telinquithed by: Cole Burton  Time   Received by (Signature)   Date   Time   Received by (Signature)   Date   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																								
10	ed by: (Signatur	_	Darle	1.9.24	Time	30	Received by	(Signature)		Date 12	40	Time Lab Use Only													
Chila	ed by: (Signatur		Date	9.24	72	30	Received by	r: (Signature)	law	Date 12	1029	1	7:00	)	<u>T1                                    </u>										
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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.



ent or disposed of at the client expense. The report for the analysis of the above samples is report.

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Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





# envirotech

Practical Solutions for a Better Tomorrow

# **Analytical Report**

Devon Energy - Carlsbad

Project Name: LVP SWD #001

Work Order: E412076

Job Number: 01058-0007

Received: 12/11/2024

Revision: 2

Report Reviewed By:

Walter Hinchman Laboratory Director 12/20/24

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

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

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

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

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

Date Reported: 12/20/24

Ashley Giovengo 6488 7 Rivers Hwy Artesia, NM 88210

Project Name: LVP SWD #001

Workorder: E412076

Date Received: 12/11/2024 8:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/11/2024 8:00:00AM, under the Project Name: LVP SWD #001.

The analytical test results summarized in this report with the Project Name: LVP SWD #001 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881 Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe

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

Cell: 505-320-4759

ljarboe@envirotech-inc.com

**Michelle Gonzales** 

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:	LVP SWD #001	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	Reporteu:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/20/24 09:38

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
SW03 - 0-4'	E412076-01A Soil	12/09/24	12/11/24	Glass Jar, 2 oz.
FS03 - 4'	E412076-02A Solid	12/09/24	12/11/24	Glass Jar, 2 oz.
FS04 - 4'	E412076-03A Solid	12/09/24	12/11/24	Glass Jar, 2 oz.
FS05 - 4'	E412076-04A Solid	12/09/24	12/11/24	Glass Jar, 2 oz.



Devon Energy - Carlsbad	Project Name:	LVP SWD #001	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/20/2024 9:38:15AM

#### SW03 - 0-4' E412076-01

		E412070-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: SL		Batch: 2450054
Benzene	ND	0.0250	1	12/11/24	12/11/24	
Ethylbenzene	ND	0.0250	1	12/11/24	12/11/24	
Toluene	ND	0.0250	1	12/11/24	12/11/24	
o-Xylene	ND	0.0250	1	12/11/24	12/11/24	
p,m-Xylene	ND	0.0500	1	12/11/24	12/11/24	
Total Xylenes	ND	0.0250	1	12/11/24	12/11/24	
Surrogate: 4-Bromochlorobenzene-PID		94.2 %	70-130	12/11/24	12/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: SL		Batch: 2450054
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/11/24	12/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.8 %	70-130	12/11/24	12/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: NV		Batch: 2450049
Diesel Range Organics (C10-C28)	ND	25.0	1	12/11/24	12/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/11/24	12/11/24	
Surrogate: n-Nonane		102 %	50-200	12/11/24	12/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: JM		Batch: 2450055
Chloride	6330	100	5	12/11/24	12/12/24	

Devon Energy - Carlsbad	Project Name:	LVP SWD #001	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/20/2024 9:38:15AM

#### FS03 - 4' E412076-02

		E4120/0-02				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: SL		Batch: 2450054
Benzene	ND	0.0250	1	12/11/24	12/11/24	
Ethylbenzene	ND	0.0250	1	12/11/24	12/11/24	
Toluene	ND	0.0250	1	12/11/24	12/11/24	
o-Xylene	ND	0.0250	1	12/11/24	12/11/24	
p,m-Xylene	ND	0.0500	1	12/11/24	12/11/24	
Total Xylenes	ND	0.0250	1	12/11/24	12/11/24	
Surrogate: 4-Bromochlorobenzene-PID		94.4 %	70-130	12/11/24	12/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	vst: SL		Batch: 2450054
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/11/24	12/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.8 %	70-130	12/11/24	12/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: NV		Batch: 2450049
Diesel Range Organics (C10-C28)	ND	25.0	1	12/11/24	12/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/11/24	12/11/24	
Surrogate: n-Nonane		109 %	50-200	12/11/24	12/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	/st: JM		Batch: 2450055
Chloride	273	20.0	1	12/11/24	12/12/24	



Devon Energy - Carlsbad	Project Name:	LVP SWD #001	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/20/2024 9:38:15AM

#### FS04 - 4' E412076-03

		E412070-03				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2450054
Benzene	ND	0.0250	1	12/11/24	12/11/24	
Ethylbenzene	ND	0.0250	1	12/11/24	12/11/24	
Toluene	ND	0.0250	1	12/11/24	12/11/24	
o-Xylene	ND	0.0250	1	12/11/24	12/11/24	
p,m-Xylene	ND	0.0500	1	12/11/24	12/11/24	
Total Xylenes	ND	0.0250	1	12/11/24	12/11/24	
Surrogate: 4-Bromochlorobenzene-PID		92.1 %	70-130	12/11/24	12/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2450054
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/11/24	12/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.5 %	70-130	12/11/24	12/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: NV		Batch: 2450049
Diesel Range Organics (C10-C28)	ND	25.0	1	12/11/24	12/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/11/24	12/11/24	
Surrogate: n-Nonane		108 %	50-200	12/11/24	12/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: JM		Batch: 2450055
Chloride	98.1	20.0	1	12/11/24	12/12/24	



Devon Energy - Carlsbad	Project Name:	LVP SWD #001	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/20/2024 9:38:15AM

#### FS05 - 4' E412076-04

		E412070-04				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2450054
Benzene	ND	0.0250	1	12/11/24	12/11/24	
Ethylbenzene	ND	0.0250	1	12/11/24	12/11/24	
Toluene	ND	0.0250	1	12/11/24	12/11/24	
o-Xylene	ND	0.0250	1	12/11/24	12/11/24	
p,m-Xylene	ND	0.0500	1	12/11/24	12/11/24	
Total Xylenes	ND	0.0250	1	12/11/24	12/11/24	
Surrogate: 4-Bromochlorobenzene-PID		91.6 %	70-130	12/11/24	12/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2450054
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/11/24	12/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.9 %	70-130	12/11/24	12/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: NV		Batch: 2450049
Diesel Range Organics (C10-C28)	ND	25.0	1	12/11/24	12/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/11/24	12/11/24	
Surrogate: n-Nonane		99.7 %	50-200	12/11/24	12/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: JM		Batch: 2450055
Chloride	111	20.0	1	12/11/24	12/12/24	



Devon Energy - Carlsbad LVP SWD #001 Project Name: Reported: 6488 7 Rivers Hwy Project Number: 01058-0007 Artesia NM, 88210 Project Manager: Ashley Giovengo 12/20/2024 9:38:15AM **Volatile Organics by EPA 8021B** Analyst: SL Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % % Notes Blank (2450054-BLK1) Prepared: 12/11/24 Analyzed: 12/11/24 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 7.54 8.00 94.2 70-130 LCS (2450054-BS1) Prepared: 12/11/24 Analyzed: 12/11/24 4.98 99.7 70-130 5.00 Benzene 0.0250 Ethylbenzene 4.90 0.0250 5.00 97.9 70-130 4.97 0.0250 5.00 99.4 70-130 Toluene 98.5 o-Xylene 4.93 0.0250 5.00 70-130 9.99 10.0 99.9 70-130 0.0500 p.m-Xvlene 99.4 70-130 14.9 15.0 Total Xylenes 0.0250 8.00 94.3 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.54 Source: E412076-02 Matrix Spike (2450054-MS1) Prepared: 12/11/24 Analyzed: 12/11/24 5.14 0.0250 5.00 ND 54-133 Benzene ND 61-133 Ethylbenzene 5.05 0.0250 5.00 101 Toluene 5.12 0.0250 5.00 ND 102 61-130 ND 102 63-131 5.08 5.00 0.0250 o-Xylene p,m-Xylene 10.3 0.0500 10.0 ND 103 63-131 15.4 0.0250 15.0 ND 63-131 Total Xylenes 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.56 8.00

Source: E412076-02

107

109

108

109

109

95.0

54-133

61-133

61-130

63-131

63-131

63-131

70-130

5.85

6.13

5.86

5.95

5.85

5.88

ND

ND

ND

ND

ND

ND



Prepared: 12/11/24 Analyzed: 12/11/24

20

20

20

20

20

20

Matrix Spike Dup (2450054-MSD1)

Surrogate: 4-Bromochlorobenzene-PID

Ethylbenzene

Toluene

o-Xylene

p,m-Xylene

Total Xylenes

5.45

5.37

5 43

5.39

10.9

16.3

7.60

0.0250

0.0250

0.0250

0.0250

0.0500

0.0250

5.00

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5.00

5.00

10.0

15.0

8.00

Devon Energy - Carlsbad	Project Name:	LVP SWD #001	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	•
Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/20/2024 9:38:15AM

Artesia NM, 88210		Project Manage	r: As	hley Gioveng	go			12	/20/2024 9:38:15AN		
	Non	halogenated	Organics l	by EPA 80	15D - Gl	RO			Analyst: SL		
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes		
Blank (2450054-BLK1)							Prepared: 1	2/11/24 Ana	lyzed: 12/11/24		
Gasoline Range Organics (C6-C10)	ND	20.0									
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.21		8.00		90.2	70-130					
LCS (2450054-BS2)							Prepared: 1	2/11/24 Ana	lyzed: 12/11/24		
Gasoline Range Organics (C6-C10)	46.4	20.0	50.0		92.8	70-130					
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.38		8.00		92.3	70-130					
Matrix Spike (2450054-MS2)				Source:	E412076-	02	Prepared: 1	2/11/24 Ana	lyzed: 12/11/24		
Gasoline Range Organics (C6-C10)	46.6	20.0	50.0	ND	93.1	70-130					
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.35		8.00		91.8	70-130					
Matrix Spike Dup (2450054-MSD2)				Source:	E412076-	02	Prepared: 1	epared: 12/11/24 Analyzed: 12/11/24			
Gasoline Range Organics (C6-C10)	46.8	20.0	50.0	ND	93.5	70-130	0.424	20			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.39		8.00		92.3	70-130					

Devon Energy - Carlsbad 6488 7 Rivers Hwy	Project Name: Project Number:	LVP SWD #001 01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/20/2024 9:38:15AM

Artesia NM, 88210		Project Manage	r: As	shley Gioveng	go			12	/20/2024 9:38:15AN
	Nonha	logenated Or	ganics by	EPA 8015I	) - 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
Blank (2450049-BLK1)							Prepared: 1	2/11/24 Ana	lyzed: 12/11/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	53.8		50.0		108	50-200			
LCS (2450049-BS1)							Prepared: 1	2/11/24 Ana	lyzed: 12/11/24
Diesel Range Organics (C10-C28)	248	25.0	250		99.4	38-132			
Surrogate: n-Nonane	54.9		50.0		110	50-200			
LCS Dup (2450049-BSD1)							Prepared: 1	2/11/24 Ana	lyzed: 12/11/24
Diesel Range Organics (C10-C28)	263	25.0	250		105	38-132	5.56	20	
Surrogate: n-Nonane	55.9		50.0		112	50-200			

Chloride

Chloride

LCS Dup (2450055-BSD1)

## **QC Summary Data**

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210	Project Name: Project Number Project Manage	: 0	VP SWD #001 1058-0007 shley Giovens			Reported: 12/20/2024 9:38:15A						
	Anions by EPA 300.0/9056A											
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes			
Blank (2450055-BLK1)						I	Prepared: 1	2/11/24 Ana	alyzed: 12/11/24			
Chloride	ND	20.0										
LCS (2450055-BS1)						F	Prepared: 1	2/11/24 Ana	alyzed: 12/11/24			

250

250

256

257

20.0

20.0

102

103

90-110

90-110

0.186

Prepared: 12/11/24 Analyzed: 12/11/24

#### 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:	LVP SWD #001	
١	6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
	Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/20/24 09:38

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



Client: Devon

Time

Sampled

10:18

10:22

10:28

10:33

Client Information

eceived by OCD: 1/8/2025 12:45:05 PM

Page / of

State

NM CO UT TX

**Chain of Custody** 

Invoice Information

Company: Devon Energy

Lab Use Only

Job Number

TAT

1D 2D 3D Std

Sampled by: _Cole Burton					11.	
Relinquished by (Signature)	Date 12/10/24	7:30	Received by: (Signature)	12-10.2	30	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.
Relinquished by: (Signature)	Date 12-11-29	Time SCA	Received by: (Signature)	Date 12-10-24	fime 1700	Lab Use Only Received on ice: (Y) / N
Reliaquished by: (Signature)	12.10.24	2400	Received by (Signature)	Date 12-11-24	7'. 00	T1 T2 T3
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	AVG Temp °C 4
ample Matrix: S - Soil, Sd - Solid, Sg - Slu	dge, A - Aqueous, O - Othe	r		Container Typ	pe: g - glass, p - poly,	/plastic, ag - amber glass, v - VOA

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

Printed: 12/11/2024 9:04:19AM

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

	Davon Engagy Coulched	D . D . 1	10/11/04	00.00			T440056
Client:		Date Received:	12/11/24			Work Order ID:	E412076
Phone:		Date Logged In:	12/10/24			Logged In By:	Caitlin Mars
Email:	agiovengo@ensolum.com	Due Date:	12/17/24	17:00 (4 day TAT)			
Chain of	f Custody (COC)						
	the sample ID match the COC?		Yes				
	the number of samples per sampling site location mate.	h the COC	Yes				
	samples dropped off by client or carrier?		Yes	Carrier: C	`ourier		
	ne COC complete, i.e., signatures, dates/times, requesto	ed analyses?	Yes	carrier. <u>c</u>	<u>Jourier</u>		
	all samples received within holding time?	J	Yes				
	Note: Analysis, such as pH which should be conducted in t					C	-/D14
	i.e, 15 minute hold time, are not included in this disucssion	<b>.</b>				Comment	s/Resolution
	<u> Turn Around Time (TAT)</u>						
6. Did th	e COC indicate standard TAT, or Expedited TAT?		Yes				
Sample (							
	sample cooler received?		Yes				
•	was cooler received in good condition?		Yes				
9. Was th	ne sample(s) received intact, i.e., not broken?		Yes				
10. Were	custody/security seals present?		No				
11. If yes	s, were custody/security seals intact?		NA				
	he sample received on ice? If yes, the recorded temp is 4°C, i.  Note: Thermal preservation is not required, if samples are minutes of sampling	received w/i 15	Yes				
13. If no	visible ice, record the temperature. Actual sample to	emperature: 4°C	<u> </u>				
	<u>Container</u>						
	equeous VOC samples present?		No				
	VOC samples collected in VOA Vials?		NA				
	e head space less than 6-8 mm (pea sized or less)?		NA				
	a trip blank (TB) included for VOC analyses?		NA				
	non-VOC samples collected in the correct containers?		Yes				
19. Is the	appropriate volume/weight or number of sample containe	rs collected?	Yes				
Field La							
	e field sample labels filled out with the minimum inform	mation:	<b>V</b>				
	Sample ID? Date/Time Collected?		Yes				
	Collectors name?		Yes No				
Sample 1	Preservation_		110				
	the COC or field labels indicate the samples were pre	served?	No				
	sample(s) correctly preserved?		NA				
	o filteration required and/or requested for dissolved me	tals?	No				
Multiph	ase Sample Matrix						
	the sample have more than one phase, i.e., multiphase	?	No				
	s, does the COC specify which phase(s) is to be analyz		NA				
		.ou.	11/1				
	ract Laboratory	0	N.T.				
	samples required to get sent to a subcontract laboratory a subcontract laboratory specified by the client and if s		No NA	Subcontract Lab	o: NA		
Client I	nstruction						
<u> </u>							
Sample	es 1, 3-6. Mostly rock must pulverize- Per client.						

Date

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

age	of	_/
tate		
UT	TX	
188		
ogra	m	
/A	RCRA	
Υ	or N	

Chain	of	Custody	
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	Clie	nt Inform	ation				Invoice	e Information			Lab Use Only TAT State							te	Tive						
Client: D						_	npany: Devor	Lab	Lab WO# Job Number							1D	2D	3D S	Std	NN	/ CO U	TX	d b		
	LVP SWD #0						dress: 5315 Bu			_ E4	120	071	0	010	28-0	D				×		x			
	lanager: Ash			-				Carlsbad NM, 882	20	- 60	1	-		1	- 1000	0 30		FAIR		TIME			A 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		<u>S</u>
	3122 Nation				-		ne: (575)689-			- 18		_		Ana	lysis	and	Met	hod					EPA Progi	ram	9.
	e, Zip: Carlsl		88220	-	-	_	ail: jim.raley@	THE RESERVE OF THE PARTY OF THE		0.00								- 1				SDWA	CWA	RCRA	
	375-988-0055 giovengo@ei				-	Misce	ellaneous: Jim	Raley		100															
Liliali. a	giovengowei	isolum.co	ווונ								by 8015	8015									_	Complia		or N	1 25
		_180	LE TRUIT	Samr	ple Inform	mation	STATE OF THE PARTY	THE RESERVE OF THE PARTY OF THE	-143	1000	P P	<u>6</u>	021	8260	000	Σ	Ķ.	8 Metals				PWSID	#		12
Time Sampled	Date Sampled	Matrix	No. of Containers	3411	ore miles		Sample ID		Field	Lab Number	DRO/ORO	GRO/DRO	BTEX by 8021	VOC by 87	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 M					Remark	s	ived by OCD: 1/8/2025 12:45:05 PM
10:18	12/9/2024	S	1			SI	NO2-0-4'	-4'								x							re chi		5 PM
10:22	12/9/2024	Sd	1				FS03 - 4'			2						x							81W.E		
10:28	12/9/2024	Sd	1				FS04 - 4'			3						х									
10:33	12/9/2024	Sd	1				FS05 - 4'			4						x							~		
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	al Instructions@ensolum		se CC: cbi	urton@en	solum.c	om, ag	giovengo@ens	solum.com, jim.r	aley@	dvn.con	, iest	rella	@en:	solur	n.cor	n, ch	amil	ton@	Penso	olum.	com	),			
l, (field sam	pler), attest to the Cole Burton	e validity and	authenticity	of this sample	e. I am awa	re that t	ampering with or in	ntentionally mislabeling	the san	nple location	, date	or time	of coll	ection	is cons	idered	fraud	and m	ay be g	grounds	for le	gal action			
	ed by Sign	el	Date	10/24	Time 7.3	0	Receive by: (Shu	gatore)	Date	1.10 2	Tighe	3	2										ed on ice the d		-
Relinquish	ed by: (Signatur	e)	Date	7-11-94	THE	K	Received by: (Sign	nature)	Date		time	1				cubcas	nuent d	30.05	270	La	b Us	e Only			9
Relinquish	ed by: (Signatur	e)	Date		Time	0	Received by (Sign	nature)	Date 17	11.711	Time			TO STATE		Rec	eived	on i	ce:	(3)	N		P		A TOTAL
Relinquish	ed by: (Signatur	e)	Date	10.24	2400 Time		Received by: (Sign	11129	Time	i.ac				T1_		7		<u>T2</u>			<u>T3</u>				
	trix: S - Soil, Sd - S										e: g -	glass	, <b>p</b> - p	oly/p	lastic	ag -	Tem ambe	r gla	SS, V -	VOA					P
Note: Sam applicable	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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								Page 16	of 1	6			E	3			e	T	7	V	Ĭ	rc	t	ec	1/23
																					-				7

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





# envirotech

Practical Solutions for a Better Tomorrow

# **Analytical Report**

Devon Energy - Carlsbad

Project Name: LVP SWD #001

Work Order: E412108

Job Number: 01058-0007

Received: 12/13/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 12/17/24

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

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

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

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

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

Date Reported: 12/17/24

Ashley Giovengo 6488 7 Rivers Hwy Artesia, NM 88210

Project Name: LVP SWD #001

Workorder: E412108

Date Received: 12/13/2024 8:00:04AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/13/2024 8:00:04AM, under the Project Name: LVP SWD #001.

The analytical test results summarized in this report with the Project Name: LVP SWD #001 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881 Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe

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

Cell: 505-320-4759

ljarboe@envirotech-inc.com

**Michelle Gonzales** 

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

ſ	Devon Energy - Carlsbad	Project Name:	LVP SWD #001	Reported:
١	6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
١	Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/17/24 08:07

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
SW05 - 0-4'	E412108-01A Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
FS06 - 3'	E412108-02A Soil	12/11/24	12/13/24	Glass Jar, 2 oz.
FS07 - 3'	E412108-03A Soil	12/11/24	12/13/24	Glass Jar, 2 oz.



Devon Energy - Carlsbad	Project Name:	LVP SWD #001	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/17/2024 8:07:35AM

#### SW05 - 0-4' E412108-01

		L412100-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	Analyst: RKS		Batch: 2450127
Benzene	ND	0.0250	1	12/13/24	12/14/24	
Ethylbenzene	ND	0.0250	1	12/13/24	12/14/24	
Toluene	ND	0.0250	1	12/13/24	12/14/24	
o-Xylene	ND	0.0250	1	12/13/24	12/14/24	
p,m-Xylene	ND	0.0500	1	12/13/24	12/14/24	
Total Xylenes	ND	0.0250	1	12/13/24	12/14/24	
Surrogate: 4-Bromochlorobenzene-PID		86.0 %	70-130	12/13/24	12/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: RKS		Batch: 2450127
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/24	12/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.2 %	70-130	12/13/24	12/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: NV		Batch: 2450123
Diesel Range Organics (C10-C28)	ND	25.0	1	12/13/24	12/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/13/24	12/14/24	
Surrogate: n-Nonane		120 %	50-200	12/13/24	12/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	vst: AK		Batch: 2450132
Chloride	163	20.0	1	12/13/24	12/14/24	

Devon Energy - Carlsbad	Project Name:	LVP SWD #001	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/17/2024 8:07:35AM

#### FS06 - 3' E412108-02

		E-12100-02				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg mg/kg Analyst: RKS		Batch: 2450127			
Benzene	ND	0.0250	1	12/13/24	12/14/24	
Ethylbenzene	ND	0.0250	1	12/13/24	12/14/24	
Toluene	ND	0.0250	1	12/13/24	12/14/24	
o-Xylene	ND	0.0250	1	12/13/24	12/14/24	
p,m-Xylene	ND	0.0500	1	12/13/24	12/14/24	
Total Xylenes	ND	0.0250	1	12/13/24	12/14/24	
Surrogate: 4-Bromochlorobenzene-PID		86.5 %	70-130	12/13/24	12/14/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: RKS		Batch: 2450127
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/13/24	12/14/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.1 %	70-130	12/13/24	12/14/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: NV		Batch: 2450123
Diesel Range Organics (C10-C28)	ND	25.0	1	12/13/24	12/14/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/13/24	12/14/24	
Surrogate: n-Nonane		131 %	50-200	12/13/24	12/14/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: AK		Batch: 2450132
Chloride	301	20.0	1	12/13/24	12/14/24	



Devon Energy - Carlsbad	Project Name:	LVP SWD #001	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/17/2024 8:07:35AM

#### FS07 - 3' E412108-03

	E-112100 05				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: RKS		Batch: 2450127
ND	0.0250	1	12/13/24	12/15/24	
ND	0.0250	1	12/13/24	12/15/24	
ND	0.0250	1	12/13/24	12/15/24	
ND	0.0250	1	12/13/24	12/15/24	
ND	0.0500	1	12/13/24	12/15/24	
ND	0.0250	1	12/13/24	12/15/24	
	86.3 %	70-130	12/13/24	12/15/24	
mg/kg	mg/kg	Anal	yst: RKS		Batch: 2450127
ND	20.0	1	12/13/24	12/15/24	
	95.5 %	70-130	12/13/24	12/15/24	
mg/kg	mg/kg	Anal	yst: NV		Batch: 2450123
ND	25.0	1	12/13/24	12/14/24	
ND	50.0	1	12/13/24	12/14/24	
	115 %	50-200	12/13/24	12/14/24	
mg/kg	mg/kg	Anal	yst: AK		Batch: 2450132
159	20.0	1	12/13/24	12/14/24	
	mg/kg ND Mg/kg ND mg/kg	Result         Reporting           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           86.3 %         mg/kg           Mg/kg         mg/kg           ND         20.0           95.5 %         mg/kg           MD         25.0           ND         50.0           115 %         mg/kg           mg/kg         mg/kg	Reporting           Result         Limit         Dilution           mg/kg         mg/kg         Anal           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           86.3 %         70-130           mg/kg         mg/kg         Anal           ND         20.0         1           95.5 %         70-130           mg/kg         mg/kg         Anal           ND         25.0         1           ND         50.0         1           115 %         50-200           mg/kg         Mg/kg         Anal	Reporting           Result         Limit         Dilution         Prepared           mg/kg         Analyst: RKS           ND         0.0250         1         12/13/24           ND         0.0250         1         12/13/24           ND         0.0250         1         12/13/24           ND         0.0250         1         12/13/24           ND         0.0500         1         12/13/24           ND         0.0250         1         12/13/24           mg/kg         mg/kg         Analyst: RKS           ND         20.0         1         12/13/24           mg/kg         mg/kg         Analyst: NV           ND         25.5 %         70-130         12/13/24           mg/kg         mg/kg         Analyst: NV           ND         25.0         1         12/13/24           ND         50.0         1         12/13/24           ND         50.0         1         12/13/24           mg/kg         mg/kg         Analyst: AK	Reporting           Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: RKS           ND         0.0250         1         12/13/24         12/15/24           ND         0.0250         1         12/13/24         12/15/24           ND         0.0250         1         12/13/24         12/15/24           ND         0.0500         1         12/13/24         12/15/24           ND         0.0250         1         12/13/24         12/15/24           ND         0.0250         1         12/13/24         12/15/24           mg/kg         mg/kg         Analyst: RKS           ND         20.0         1         12/13/24         12/15/24           mg/kg         mg/kg         Analyst: RKS           ND         20.0         1         12/13/24         12/15/24           mg/kg         mg/kg         Analyst: NV           ND         25.0         1         12/13/24         12/14/24           ND         50.0         1         12/13/24         12/14/24           ND         50.0         1         12/13/24         12/14/24



Surrogate: 4-Bromochlorobenzene-PID

		*	
Devon Energy - Carlsbad	Project Name:	LVP SWD #001	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	•
Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/17/2024 8:07:35AM

Artesia NM, 88210		Project Manager:		shley Giovengo	o			12	2/17/2024 8:07:35A
		Volatile O	rganics b	y EPA 802	1B			Analyst: RKS	
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2450127-BLK1)							Prepared: 12	2/13/24 An	alyzed: 12/14/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
o,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	6.70		8.00		83.7	70-130			
LCS (2450127-BS1)							Prepared: 12	2/13/24 An	alyzed: 12/14/24
Benzene	4.85	0.0250	5.00		97.0	70-130			
Ethylbenzene	4.63	0.0250	5.00		92.6	70-130			
Toluene	4.76	0.0250	5.00		95.2	70-130			
-Xylene	4.62	0.0250	5.00		92.4	70-130			
o,m-Xylene	9.41	0.0500	10.0		94.1	70-130			
Total Xylenes	14.0	0.0250	15.0		93.6	70-130			
Surrogate: 4-Bromochlorobenzene-PID	6.80		8.00		85.0	70-130			
LCS Dup (2450127-BSD1)							Prepared: 12	2/13/24 An	alyzed: 12/14/24
Benzene	4.91	0.0250	5.00		98.2	70-130	1.17	20	
Ethylbenzene	4.70	0.0250	5.00		93.9	70-130	1.37	20	
Toluene	4.81	0.0250	5.00		96.3	70-130	1.17	20	
o-Xylene	4.68	0.0250	5.00		93.6	70-130	1.23	20	
o,m-Xylene	9.54	0.0500	10.0		95.4	70-130	1.31	20	
Total Xylenes	14.2	0.0250	15.0		94.8	70-130	1.28	20	



Devon Energy - Carlsbad 6488 7 Rivers Hwy	Project Name: Project Number:	LVP SWD #001 01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/17/2024 8:07:35AM

Artesia NM, 88210		Project Manage	r: As	shley Gioveng	go			12/1	7/2024 8:07:35A		
	Non	Nonhalogenated Organics by EPA 8015D - GRO							Analyst: RKS		
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit			
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes		
Blank (2450127-BLK1)						]	Prepared: 12	2/13/24 Analy	yzed: 12/14/24		
Gasoline Range Organics (C6-C10)	ND	20.0									
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.56		8.00		94.5	70-130					
LCS (2450127-BS2)						]	Prepared: 12	2/13/24 Analy	yzed: 12/14/24		
Gasoline Range Organics (C6-C10)	41.8	20.0	50.0		83.6	70-130					
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.63		8.00		95.4	70-130					
LCS Dup (2450127-BSD2)						]	Prepared: 12	2/13/24 Analy	yzed: 12/14/24		
Gasoline Range Organics (C6-C10)	40.8	20.0	50.0		81.5	70-130	2.54	20			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7 68		8.00		96.0	70-130					

Devon Energy - Carlsbad	Project Name:	LVP SWD #001	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/17/2024 8:07:35AM

Artesia NM, 88210		Project Manager	r: As	hley Gioveng	go			1.	2/17/2024 8:07:35A
	Nonha	logenated Or	ganics by	EPA 8015I	) - DRO	/ORO			Analyst: NV
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2450123-BLK1)							Prepared: 1	2/13/24 An	alyzed: 12/14/24
iesel Range Organics (C10-C28)	ND	25.0							
ril Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	59.0		50.0		118	50-200			
CS (2450123-BS1)							Prepared: 1	2/13/24 An	alyzed: 12/14/24
iesel Range Organics (C10-C28)	263	25.0	250		105	38-132			
urrogate: n-Nonane	55.9		50.0		112	50-200			
Aatrix Spike (2450123-MS1)				Source:	E412100-	03	Prepared: 1	2/13/24 An	alyzed: 12/14/24
riesel Range Organics (C10-C28)	288	25.0	250	ND	115	38-132			
urrogate: n-Nonane	60.1		50.0		120	50-200			
Matrix Spike Dup (2450123-MSD1)				Source:	E412100-	03	Prepared: 1	2/13/24 An	alyzed: 12/14/24
riesel Range Organics (C10-C28)	293	25.0	250	ND	117	38-132	1.80	20	
urrogate: n-Nonane	57.6		50.0		115	50-200			



LCS Dup (2450132-BSD1)

Chloride

255

Prepared: 12/13/24 Analyzed: 12/13/24

20

## **QC Summary Data**

Devon Energy - Carlsbad		Project Name:		VP SWD #001	[				Reported:
6488 7 Rivers Hwy Artesia NM, 88210		Project Number: Project Manager		1058-0007 shley Gioveng	go			12	2/17/2024 8:07:35AM
		Anions	by EPA 3	300.0/9056 <i>A</i>	4				Analyst: AK
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2450132-BLK1)							Prepared: 1	2/13/24 An	alyzed: 12/13/24
Chloride	ND	20.0							
LCS (2450132-BS1)							Prepared: 1	2/13/24 An	alyzed: 12/13/24
Chloride	255	20.0	250		102	90-110			

250

20.0

102

90-110

0.0624

#### 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**

ſ	Devon Energy - Carlsbad	Project Name:	LVP SWD #001	
l	6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
١	Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/17/24 08:07

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.



Lab Use Only

TAT

**Invoice Information** 

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CWA	RCRA	<u> </u>
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		3 of 1

Client: D	evon					ompany: Devor	n Energy		L	ab V	NO#			Job N	lumi	oer_	_	1D	2D	3D	Std	NM	CO UT	TX
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Project N	lanager: Ash	ley Giove	engo		c	ty, State, Zip: C	arlsbad NM, 8822	20	_ [															
Address:	3122 Nation	al Parks	Hwy		Pt	one: (575)689-	7597			Γ				Ana	lysis	and	Met	hod				EF	A Progra	ım
City, Stat	e, Zip: Carlsl	oad NM,	88220		Ei	nail: jim.raley@	dvn.com															SDWA	CWA	RCRA
Phone: 5	75-988-0055	5			Mis	cellaneous: Jim	Ralev			- 1	ı			l										
Email: a	giovengo@ei	nsolum.co	om							- 1	2	ᆈ				I						Compliand	e Y	or N
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				Sam	ple Informati	on					ğ	٥	80	826(	ĕ	乡	5	Met						
Time Sampled	Date Sampled	Matrix	No. of Containers			Sample ID		Field Filter	Lab Numb	oer	DRO/ORO by	GRO/DRO by	ВТЕХ by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals		l			Remarks	
14:25	12/11/2024	S	1			SW05 - 0-4'			1							х								
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Sample Mat	rix: <b>S -</b> Soil, <b>Sd -</b> So	olid, Sg - Sluc	ige, A - Aqu	eous, O - Othe	г	·		Cont	ainer T	ype	: <b>g</b> - g	lass,	<b>p</b> - pc	oly/pi						VOA		I		
						rrangements are m	ade. Hazardous samp	les will	l be retu	urnec	d to cl	ient o	r disp	osed c	f at t	ne clie	nt ex	pense	. The	report	for th	ne analysis o	f the abov	e samples is
							oratory is limited to the																	

envirotec

envirotech Inc.

Printed: 12/13/2024 11:21:03AM

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

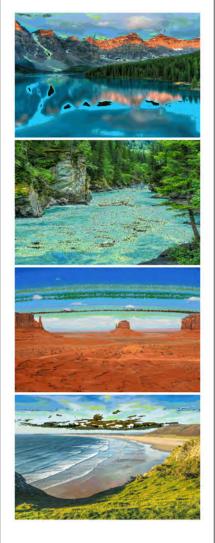
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Phone: (\$95) 382-1211 Date Logged In: 12/12/24 16-31 Logged In By: Not S Email: agioverprogi@emolum.com Due Date: 12/19/24 17:90 (4 day TAT)  Chain of Custody (COC)  1. Does the sample ID match the COC? 3. Were samples dropped off by client or carrier? 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? 5. Were all samples received within holding time? 6. Were all samples received within holding time? 7. Was a sumple cooler received? 8. Hyes, was cooler received? 9. Was the sample (so) received? and pooler received in a good condition? 9. Was the sample (so) received intact, i.e., not broken? 9. Was the sample (so) received intact, i.e., not broken? 11. If yes, were custody/security seals present? 12. Was the sample received on leef if yes, the recorded temp is 4°C, i.e., 6°=2°C. Note: Thermal preservation is not required, if samples are received wit 15 minutes of sampling. 13. If no visible ice, record the temperature. Actual sample temperature: 4°C sample container. 14. Are aqueous VOC samples present? 15. Are VOC samples collected in VOA Vials? 16. Is the head space less than 6-8 mm (pea sized or less)? 17. Was a trip blank (TB) included for VOC analyses? 18. Are non-VOC samples collected? 19. Is the appropriate volume/weight or number of sample containers collected? 20. Were field sample labels filled out with the minimum informatior.  Sample Dresservation. 21. Uses the sample Matrix. 22. Looss the Coor field labels indicate the samples were preserved? 22. Are sample(s) correctly preserved? 23. Are sample(s) correctly preserved? 24. Are sample Matrix. 25. Does the COC or field labels indicate the samples were preserved? 25. Are samples required to get sent to a subcontract laboratory? 26. Are samples required to get sent to a subcontract laboratory? 27. If yes, does the COC specify which phase(s) is to be analyzed? 28. Are samples required to get sent to a subcontract laboratory? 28. Are samples required to get sent to a subcontract laboratory?	Client:	Devon Energy - Carlsbad	Date Received:	12/13/24	08:00		Work Order ID:	E412108
Email: agiovengo@ensolum.com  Due Date: 12/19/24 17:00 (4 day TAT)  Chain of Custedy (COC)  1. Does the sample ID match the COC? 2. Does the number of samples per sampling site location match the COC 3. Were samples dropped off by client or carrier? 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? 5. Were of also serviced within holding time? 5. Were all samples received within holding time? 6. Did the COC indicate standard TAT, or Expedited TAT? 7. Was a sample cooler received? 7. Was a sample cooler received? 8. If yes, was cooler received in good condition? 9. Was the sample(s) received intact, i.e., not broken? 9. Was the sample(s) received intact, i.e., not broken? 10. Were custedy/security seals present? 11. If yes, were custody/security seals present? 12. Was the sample received on ise? If yes, the received with 15 minutes of sampling. 13. If no visible ice, record the temperature. Actual sample temperature: 14. Are aqueous VOC samples present? 14. Are aqueous VOC samples collected in the Great container? 14. Are aqueous VOC samples collected in the Cortect container? 15. Are VOC samples collected in VOA Vails? 16. Is the head space less than 6-8 mm (pea sized or less)? 17. Was a trip blank (TB) included for VOC analyses? 19. Is the appropriate volume/weight or number of sample containers? 19. Is the appropriate volume/weight or number of sample containers? 20. Were field sample labels filled out with the minimum information: 21. Does the COC or field labels indicate the samples were preserved? 22. Are samplefy correctly preserved? 23. Les amplefy correctly preserved? 24. Is lab filteration required and/or requested for dissolved metals? 25. Molithages Sample Mark Text and subcontract laboratory? 26. Does the Sample have more than one phase, i.e., multiphase? 27. If yes, does the COC specify which phase(s) is to be analyzed? 28. Are samples pearly and yet get sent to a subcontract laboratory? 29. Was a subcontract laboratory specified by the client and if so who? 29. Was a subc		 (505) 382-1211	Date Logged In:					Noe Soto
Chain of Custed v (COC)  1. Does the sample ID match the COC? 2. Does the number of samples per sampling site location match the COC 3. Were samples dropped off by client or carrier? 4. Was the COC complete, i.e., againstures, dates/times, requested analyses? 5. Were all samples received within holding time? 6. Note Analysis, such as play which should be conducted in the field, i.e. 15 minute hold time, are not included in this dissuession.  Sample Turn Around Time (TAT) 6. Did the COC indicate standard TAT, or Expedited TAT? 8. Higher Condeter 7. Was a sample cooler received? 8. Hyes, was cooler received? 9. Was the sample (so) received in good condition? 9. Was the sample (so) received in tea, not broken? 10. Were custody/security seals intact? 11. Hyes, were custody/security seals intact? 12. Was the sample coile received one? If yes, the recorded temp is 4°C, i.e., 6°-2°C Note: Thermal preservation is not required, if samples are received will 15 minutes of sampling 13. If no visible ice, record the temperature. Actual sample temperature:  Sample Container 14. Are aqueous VOC samples present? 15. Are VOC samples collected in VOA Viuls? 16. Is the head space less than 6-8 mm (pea sized or less)? 17. Was a trip shank (TB) included for VOC analyses? 18. Are non-VOC samples collected in the correct containers? 19. Is the proportiate volume/weight or number of sample containers ollected? 20. Were field sample labels filled out with the minimum information. 21. Does the COC or field labels indicate the samples were preserved? 22. Are sample/go ourcedly preserved? 23. La lab filteration required and/or requested for dissolved metals? 24. Is lab filteration required and/or requested for dissolved metals? 25. Does the sample have more than one phase, i.e., multiphase? 26. Does the sample have more than one phase, i.e., multiphase? 27. If yes, does the COC specify which phase(s) is to be analyzed? 28. Are samples required to get sent to a subcontract laboratory? 29. Was a subcontract laboratory specified by the clien							Logged in Dy.	1100 5010
11. If yes, were custody/security seals intact?  12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C  Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling  13. If no visible ice, record the temperature. Actual sample temperature: 4°C  Sample Container  14. Are aqueous VOC samples present?  15. Are VOC samples collected in VOA Vials?  NA  16. Is the head space less than 6-8 mm (pea sized or less)?  17. Was a trip blank (TB) included for VOC analyses?  NA  18. Are non-VOC samples collected in the correct containers?  19. Is the appropriate volume/weight or number of sample containers collected?  Field Label  20. Were field sample labels filled out with the minimum information:  Sample ID?  Date/Time Collected?  Collectors name?  No  Sample Preservation  21. Does the COC or field labels indicate the samples were preserved?  No  NA  NA  NA  NA  NA  NA  NA  Sample Preservation  22. Are sample(s) correctly preserved?  No  No  Multiphase Sample Matrix  Co Does the sample have more than one phase, i.e., multiphase?  No  No  No  Subcontract Laboratory  No  Client Instruction	Chain of C  1. Does the 2. Does the 3. Were san 4. Was the 6 5. Were all  Sample Tu 6. Did the C Sample Co 7. Was a san 8. If yes, wa 9. Was the s	sample ID match the COC? number of samples per sampling site location manples dropped off by client or carrier? COC complete, i.e., signatures, dates/times, requestamples received within holding time? Note: Analysis, such as pH which should be conducted i.e., 15 minute hold time, are not included in this disucss rn Around Time (TAT) COC indicate standard TAT, or Expedited TAT?  oler mple cooler received? as cooler received in good condition? sample(s) received intact, i.e., not broken?	atch the COC ested analyses?	Yes Yes Yes Yes Yes Yes Yes Yes		Courier	<u>Comment</u>	's/Resolution
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received wi 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?  15. Are VOC samples collected in VOA Vials?  16. Is the head space less than 6-8 mm (pea sized or less)?  17. Was a trip blank (TB) included for VOC analyses?  18. Are non-VOC samples collected in the correct containers?  19. Is the appropriate volume/weight or number of sample containers collected?  Field Label  20. Were field sample labels filled out with the minimum information:  Sample ID?  Date/Time Collected?  Collectors name?  11. Does the COC or field labels indicate the samples were preserved?  22. Are sample(s) correctly preserved?  24. Is lab filteration required and/or requested for dissolved metals?  Multiphase Sample Matrix  26. Does the sample have more than one phase, i.e., multiphase?  No  Multiphase Sample Matrix  28. Are samples required to get sent to a subcontract laboratory?  No  Subcontract Laboratory  29. Was a subcontract laboratory specified by the client and if so who?  No  Client Instruction		• •						
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?  Date/Time Collected?  Collectors name?  No  Sample Preservation  21. Does the COC or field labels indicate the samples were preserved?  No  22. Are sample(s) correctly preserved?  NA  24. Is lab filteration required and/or requested for dissolved metals?  Multiphase Sample Matrix  26. Does the sample have more than one phase, i.e., multiphase?  No  No  Subcontract Laboratory  28. Are samples required to get sent to a subcontract laboratory?  No  Client Instruction	12. Was the	sample received on ice? If yes, the recorded temp is 4°C Note: Thermal preservation is not required, if samples a minutes of sampling	re received w/i 15	Yes				
15. Are VOC samples collected in VOA Vials?  16. Is the head space less than 6-8 mm (pea sized or less)?  17. Was a trip blank (TB) included for VOC analyses?  18. Are non-VOC samples collected in the correct containers?  19. Is the appropriate volume/weight or number of sample containers collected?  Field Label  20. Were field sample labels filled out with the minimum information:  Sample ID?  Date/Time Collected?  Collectors name?  11. Does the COC or field labels indicate the samples were preserved?  12. Are sample(s) correctly preserved?  24. Is lab filteration required and/or requested for dissolved metals?  No  Multiphase Sample Matrix  26. Does the sample have more than one phase, i.e., multiphase?  27. If yes, does the COC specify which phase(s) is to be analyzed?  No  Subcontract Laboratory  28. Are samples required to get sent to a subcontract laboratory?  No  Client Instruction	Sample Co	<u>ntainer</u>						
16. Is the head space less than 6-8 mm (pea sized or less)?  17. Was a trip blank (TB) included for VOC analyses?  18. Are non-VOC samples collected in the correct containers?  19. Is the appropriate volume/weight or number of sample containers collected?  Field Label  20. Were field sample labels filled out with the minimum information:  Sample ID?  Date/Time Collected?  Collectors name?  No  Sample Preservation.  21. Does the COC or field labels indicate the samples were preserved?  No  22. Are sample(s) correctly preserved?  And  Multiphase Sample Matrix  26. Does the sample have more than one phase, i.e., multiphase?  No  No  Subcontract Laboratory  28. Are samples required to get sent to a subcontract laboratory?  No  No  Subcontract Laboratory specified by the client and if so who?  No  Client Instruction	14. Are aqu	eous VOC samples present?		No				
17. Was a trip blank (TB) included for VOC analyses?  18. Are non-VOC samples collected in the correct containers?  19. Is the appropriate volume/weight or number of sample containers collected?  19. Is the appropriate volume/weight or number of sample containers collected?  19. Is the appropriate volume/weight or number of sample containers collected?  19. Is the appropriate volume/weight or number of sample containers collected?  10. Were field sample labels filled out with the minimum information:  10. Sample ID?  11. Does (Time Collected?  12. Are sample Preservation  12. Does the COC or field labels indicate the samples were preserved?  13. No  14. Is lab filteration required and/or requested for dissolved metals?  15. No  16. Multiphase Sample Matrix  17. If yes, does the Sample have more than one phase, i.e., multiphase?  17. If yes, does the COC specify which phase(s) is to be analyzed?  18. Are samples required to get sent to a subcontract laboratory?  19. Was a subcontract Laboratory specified by the client and if so who?  10. No  11. No  12. Subcontract Lab: NA  13. Subcontract Lab: NA  14. Subcontract Lab: NA	15. Are VO	C samples collected in VOA Vials?		NA				
18. Are non-VOC samples collected in the correct containers?  19. Is the appropriate volume/weight or number of sample containers collected?  Field Label  20. Were field sample labels filled out with the minimum information: Sample ID? Date/Time Collected? Collectors name?  Yes Collectors name?  10. Does the COC or field labels indicate the samples were preserved? No  21. Does the COC or field labels indicate the samples were preserved? No  22. Are sample(s) correctly preserved? No  Multiphase Sample Matrix  26. Does the sample have more than one phase, i.e., multiphase? No  Multiphase Sample Matrix  27. If yes, does the COC specify which phase(s) is to be analyzed? No  Subcontract Laboratory  28. Are samples required to get sent to a subcontract laboratory? No  No  Client Instruction	16. Is the he	ead space less than 6-8 mm (pea sized or less)?		NA				
19. Is the appropriate volume/weight or number of sample containers collected?  Field Label  20. Were field sample labels filled out with the minimum information: Sample ID? Date/Time Collected? Collectors name?  Sample Preservation  21. Does the COC or field labels indicate the samples were preserved? No  22. Are sample(s) correctly preserved? No  Multiphase Sample Matrix  26. Does the sample have more than one phase, i.e., multiphase? No  Subcontract Laboratory  28. Are samples required to get sent to a subcontract laboratory? No  Client Instruction	17. Was a tr	rip blank (TB) included for VOC analyses?		NA				
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20. Were field sample labels filled out with the minimum information: Sample ID? Pate/Time Collected? Collectors name? No  Sample Preservation  21. Does the COC or field labels indicate the samples were preserved? No  22. Are sample(s) correctly preserved? No  Multiphase Sample Matrix  26. Does the sample have more than one phase, i.e., multiphase? No  7. If yes, does the COC specify which phase(s) is to be analyzed? No  Subcontract Laboratory  28. Are samples required to get sent to a subcontract laboratory? No  Client Instruction  No  No  Subcontract Lab: NA  Client Instruction	19. Is the ap	propriate volume/weight or number of sample conta	iners collected?	Yes				
21. Does the COC or field labels indicate the samples were preserved?  22. Are sample(s) correctly preserved?  23. Is lab filteration required and/or requested for dissolved metals?  24. Is lab filteration required and/or requested for dissolved metals?  25. Does the sample have more than one phase, i.e., multiphase?  26. Does the sample have more than one phase, i.e., multiphase?  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	20. Were fie San Dat	eld sample labels filled out with the minimum inf nple ID? e/Time Collected?	formation:	Yes				
22. Are sample(s) correctly preserved?  24. Is lab filteration required and/or requested for dissolved metals?  No  Multiphase Sample Matrix  26. Does the sample have more than one phase, i.e., multiphase?  No  27. If yes, does the COC specify which phase(s) is to be analyzed?  NA  Subcontract Laboratory  28. Are samples required to get sent to a subcontract laboratory?  No  29. Was a subcontract laboratory specified by the client and if so who?  NA  Subcontract Lab: NA  Client Instruction								
24. Is lab filteration required and/or requested for dissolved metals?  No  Multiphase Sample Matrix 26. Does the sample have more than one phase, i.e., multiphase? No  27. If yes, does the COC specify which phase(s) is to be analyzed? NA  Subcontract Laboratory  28. Are samples required to get sent to a subcontract laboratory? No  29. Was a subcontract laboratory specified by the client and if so who?  NA  Subcontract Lab: NA  Client Instruction			oreserved?	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								
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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	26. Does th	e sample have more than one phase, i.e., multipha						
	28. Are san	nples required to get sent to a subcontract laborate	•		Subcontract Lab	: NA		
Samples 1, 3-6. Mostly rock must pulverize- Per client.	Client Inst	truction_						
	Samples	1, 3-6. Mostly rock must pulverize- Per clien	t.					

Date

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

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





# envirotech

Practical Solutions for a Better Tomorrow

# **Analytical Report**

Devon Energy - Carlsbad

Project Name: LVP SWD #001

Work Order: E412178

Job Number: 01058-0007

Received: 12/23/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 1/2/25

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: 1/2/25

Ashley Giovengo 6488 7 Rivers Hwy Artesia, NM 88210

Project Name: LVP SWD #001

Workorder: E412178

Date Received: 12/23/2024 8:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/23/2024 8:30:00AM, under the Project Name: LVP SWD #001.

The analytical test results summarized in this report with the Project Name: LVP SWD #001 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881 Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe

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

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Michelle Gonzales

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**

_				
Γ	Devon Energy - Carlsbad	Project Name:	LVP SWD #001	Reported:
ı	6488 7 Rivers Hwy	Project Number:	01058-0007	Reported.
	Artesia NM, 88210	Project Manager:	Ashley Giovengo	01/02/25 14:50

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS02 - 4.25'	F412178-01A	Solid	12/20/24	12/23/24	Glass Jar, 4 oz.



Devon Energy - Carlsbad	Project Name:	LVP SWD #001	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	1/2/2025 2:50:40PM

FS02 - 4.25' E412178-01

		E-112170-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2452019
Benzene	ND	0.0250	1	12/23/24	12/24/24	
Ethylbenzene	ND	0.0250	1	12/23/24	12/24/24	
Toluene	ND	0.0250	1	12/23/24	12/24/24	
o-Xylene	ND	0.0250	1	12/23/24	12/24/24	
p,m-Xylene	ND	0.0500	1	12/23/24	12/24/24	
Total Xylenes	ND	0.0250	1	12/23/24	12/24/24	
Surrogate: 4-Bromochlorobenzene-PID		91.3 %	70-130	12/23/24	12/24/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2452019
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/23/24	12/24/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.4 %	70-130	12/23/24	12/24/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: NV		Batch: 2452016
Diesel Range Organics (C10-C28)	ND	25.0	1	12/23/24	12/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/23/24	12/31/24	
Surrogate: n-Nonane		101 %	50-200	12/23/24	12/31/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2452015
Chloride	76.1	20.0	1	12/23/24	12/23/24	



Surrogate: 4-Bromochlorobenzene-PID

Devon Energy - Carlsbad	Project Name:	LVP SWD #001	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	•
Artesia NM, 88210	Project Manager:	Ashley Giovengo	1/2/2025 2:50:40PM

Artesia NM, 88210		Project Manager	As	shley Gioveng	go			1	/2/2025 2:50:40PM
		Volatile O	rganics b	y EPA 802	1B				Analyst: SL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2452019-BLK1)							Prepared: 1	2/23/24 Ana	lyzed: 12/24/24
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	7.26		8.00		90.8	70-130			
LCS (2452019-BS1)							Prepared: 1	2/23/24 Ana	lyzed: 12/24/24
Benzene	5.10	0.0250	5.00		102	70-130			
Ethylbenzene	4.88	0.0250	5.00		97.5	70-130			
Toluene	5.00	0.0250	5.00		100	70-130			
o-Xylene	4.87	0.0250	5.00		97.3	70-130			
p,m-Xylene	9.88	0.0500	10.0		98.8	70-130			
Total Xylenes	14.7	0.0250	15.0		98.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.13		8.00		89.1	70-130			
LCS Dup (2452019-BSD1)							Prepared: 1	2/23/24 Ana	lyzed: 12/24/24
Benzene	5.17	0.0250	5.00		103	70-130	1.36	20	
Ethylbenzene	4.93	0.0250	5.00		98.6	70-130	1.11	20	
Toluene	5.06	0.0250	5.00		101	70-130	1.27	20	
o-Xylene	4.92	0.0250	5.00		98.4	70-130	1.17	20	
p,m-Xylene	9.99	0.0500	10.0		99.9	70-130	1.05	20	
Total Xylenes	14.9	0.0250	15.0		99.4	70-130	1.09	20	



Surrogate: 1-Chloro-4-fluorobenzene-FID

# **QC Summary Data**

Devon Energy - Carlsbad	Project Name:	LVP SWD #001	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	•
Artesia NM, 88210	Project Manager:	Ashley Giovengo	1/2/2025 2:50:40PM

Artesia NM, 88210		Project Manage		hley Gioveng	go			1/	/2/2025 2:50:40PM
	Non	halogenated	Analyst: SL						
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2452019-BLK1)							Prepared: 12	2/23/24 Ana	lyzed: 12/24/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.40		8.00		92.5	70-130			
LCS (2452019-BS2)							Prepared: 12	2/23/24 Ana	lyzed: 12/24/24
Gasoline Range Organics (C6-C10)	43.2	20.0	50.0		86.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.57		8.00		94.6	70-130			
LCS Dup (2452019-BSD2)							Prepared: 12	2/23/24 Ana	lyzed: 12/24/24
Gasoline Range Organics (C6-C10)	42.7	20.0	50.0		85.4	70-130	1.04	20	

70-130

Devon Energy - Carlsbad	Project Name:	LVP SWD #001	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	1/2/2025 2:50:40PM

Artesia NM, 88210		Project Manage	r: As	shley Gioveng	go				1/2/2025 2:50:40PM
	Nonhal	logenated Or	ganics by l	EPA 8015I	D - DRO	/ORO			Analyst: NV
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2452016-BLK1)							Prepared: 1	2/23/24 A	analyzed: 12/31/24
riesel Range Organics (C10-C28)	ND	25.0							
ril Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	52.8		50.0		106	50-200			
CS (2452016-BS1)							Prepared: 1	2/23/24 A	analyzed: 12/31/24
iesel Range Organics (C10-C28)	278	25.0	250		111	38-132			
urrogate: n-Nonane	52.2		50.0		104	50-200			
Aatrix Spike (2452016-MS1)				Source:	E412176-0	03	Prepared: 1	2/23/24 A	analyzed: 01/02/25
riesel Range Organics (C10-C28)	256	25.0	250	ND	102	38-132			
urrogate: n-Nonane	55.0		50.0		110	50-200			
Matrix Spike Dup (2452016-MSD1)				Source:	E412176-	03	Prepared: 1	2/23/24 A	analyzed: 01/02/25
tiesel Range Organics (C10-C28)	301	25.0	250	ND	121	38-132	16.5	20	
urrogate: n-Nonane	62.1		50.0		124	50-200			



## **QC Summary Data**

Devon Energy - Carlsbad 6488 7 Rivers Hwy		Project Name: Project Number		VP SWD #001 1058-0007					Reported:
Artesia NM, 88210		Project Manager		shley Gioveng	go				1/2/2025 2:50:40PM
		Anions	by EPA	300.0/9056	1				Analyst: DT
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2452015-BLK1)							Prepared: 1	2/23/24 A	nalyzed: 12/23/24
Chloride	ND	20.0							
LCS (2452015-BS1)							Prepared: 1	2/23/24 A	nalyzed: 12/23/24
Chloride	253	20.0	250		101	90-110			
LCS Dup (2452015-BSD1)							Prepared: 1	2/23/24 A	nalyzed: 12/23/24
Chloride	255	20.0	250		102	90-110	0.872	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:	LVP SWD #001	
١	6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
	Artesia NM, 88210	Project Manager:	Ashley Giovengo	01/02/25 14:50

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.



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#### **Chain of Custody**

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Project: l	VP SWD #00	)1				_	Add	lress: 5	315 B	Buena Vi	ista Dr				E4	la	78	3	0109	5 <b>9</b> ~	200	<b>}</b>			_	x	x		
Project M	lanager: Ash	ley Giove	engo				City	, State,	Zip:	Carlsbac	d NM, 88	220	)	_			•												
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City, State	e, Zip: Carlsb	oad NM, 8	88220			_	Ema	il: jim.	raley@	@dvn.co	om .	:			ſ												SDWA	CWA	RCRA
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Time Sampled	Date Sampled	Matrix	No. of Container	rs			Sample ID				Field Filter	La Nun	ıb nber	DRO/ORO	GRO/DRO by	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals					Remarks			
9:44	12/20/2024	Sd	1				FS	02 - 4.2	25'		_	,		1						Ť	x								
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<b>bsimmor</b> Liffield same	ns@ensolum pler), attest to the	.com validity and	Lauthentic	rity of this sar	mple. I	am aware	that ta	mpering	with or i	intentional	llv mislabeli	ng th	e sam	ple loc	ation.	date o	r time	of coll	ection	is con:	idered	fraud	and m	av be	ground	ls for le	gal action.		
	_Cole Burton	· vandit, and		,							.,																•		
		e)	Da	ate	Tin		R	eseived	by: (Şie	gnatu <u>re</u> )			Date			Time							_				st be received o		
w	ed by: Signature		11.	2/20/	29 1	1:46	2	Mic	hell	e Go	mzale	S.	121	10%	24	11	sampled or received packed in ice at an avg temp above 0 but less than 6 °C on						°C on						
Religauishe	dby: Asignates	e) <b>0</b>		ate /	, Tin	_	R	Received	by: (Sig	gnature)	-0		Date																
VV[u	ed by: Asignator	ongal	es II	2-20-24		1610	Ţ	حليلا	JÌ.	Ж			12	.20	พ		700	Ď			Rec	eived	l on i	ce:	(4)	/ N	-		
Relinquished by: (Signature) Date Time Received by: (Signature) Date						Date		•	Time			]		1	<u> </u>														
12.20.24 2400 Noc Soto						12-	137	ગ્રેત	0	83	0			<u>T1</u>				<u>T2</u>			<u>T3</u>								
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																					AVC	Ten	np °C		<u> </u>				
	rix: <b>S -</b> Soil, <b>Sd -</b> So														Туре												L		
Note: Samo	oles are discardo	ed 14 davs	after res	ults are repo	orted u	uniess oth	er arra	angemen	nts are r	made. Haz	zardous sa	mple	es wil	l be re	eturne	d to c	lient c	or disp	osed	of at f	ne cli	ent ex	pense	. The	report	t for th	ne analysis o	t the above	samples is

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

Page 213 of 237

envirotech Inc.

Printed: 12/23/2024 9:10:31AM

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Devon Energy	Date Received:	12/23/24	08:30		Work Order ID:	E412178
Phone:	(505)324-5600	Date Logged In:	12/23/24	09:05		Logged In By:	Noe Soto
Email:		Due Date:	01/02/25	17:00 (4 day TAT)			
Chain of	f Custody (COC)						
1. Does t	the sample ID match the COC?		Yes				
	the number of samples per sampling site location mate	ch the COC	Yes				
3. Were	samples dropped off by client or carrier?		Yes	Carrier: C	ourier		
4. Was th	ne COC complete, i.e., signatures, dates/times, request	ted analyses?	Yes		<del></del>		
5. Were a	all samples received within holding time?  Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion		Yes			Comment	s/Resolution
Sample '	Turn Around Time (TAT)	ш.		Г			
	e COC indicate standard TAT, or Expedited TAT?		Yes				
Sample	•						
	sample cooler received?		Yes				
	was cooler received in good condition?		Yes				
•	ne sample(s) received intact, i.e., not broken?						
	e custody/security seals present?		Yes				
	* *		No				
•	s, were custody/security seals intact?		NA				
	he sample received on ice? If yes, the recorded temp is 4°C, i Note: Thermal preservation is not required, if samples are minutes of sampling	received w/i 15	Yes				
	visible ice, record the temperature. Actual sample	temperature: 4°0	<u>C</u>				
	Container						
	aqueous VOC samples present?		No				
	VOC samples collected in VOA Vials?		NA				
	e head space less than 6-8 mm (pea sized or less)?		NA				
	a trip blank (TB) included for VOC analyses?		NA				
	non-VOC samples collected in the correct containers?		Yes				
	appropriate volume/weight or number of sample contained	ers collected?	Yes				
Field La							
	r field sample labels filled out with the minimum infor Sample ID?	mation:	Yes				
	Date/Time Collected?			L			
	Collectors name?		Yes No				
	Preservation		110				
	the COC or field labels indicate the samples were pre	eserved?	No				
	sample(s) correctly preserved?		NA				
	o filteration required and/or requested for dissolved me	etals?	No				
Multiph	ase Sample Matrix						
	the sample have more than one phase, i.e., multiphas	e?	No				
	s, does the COC specify which phase(s) is to be analyze		NA				
			1421				
	ract Laboratory	0	NT.				
	samples required to get sent to a subcontract laborator	-	No NA	01 4 41 1	37.4		
	a subcontract laboratory specified by the client and if	so who?	NA	Subcontract Lab	: NA		
Client I	<u>nstruction</u>						

Date

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



# **APPENDIX E**

NMOCD Correspondence

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

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

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

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

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

QUESTIONS

Action 383093

#### **QUESTIONS**

ı	Operator:	OGRID:
ı	DEVON ENERGY PRODUCTION COMPANY, LP	6137
ı	333 West Sheridan Ave.	Action Number:
ı	Oklahoma City, OK 73102	383093
ı		Action Type:
ı		[NOTIFY] Notification Of Liner Inspection (C-141L)

#### QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2422877091
Incident Name	NAPP2422877091 LVP SWD #001 @ 30-015-42234
Incident Type	Produced Water Release
Incident Status	Initial C-141 Approved
Incident Well	[30-015-42234] LVP SWD #001

ocation of Release Source	
Site Name	LVP SWD #001
Date Release Discovered	08/15/2024
Surface Owner	Private

Liner Inspection Event Information		
Please answer all the questions in this group.		
What is the liner inspection surface area in square feet	6,309	
Have all the impacted materials been removed from the liner	Yes	
Liner inspection date pursuant to Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC	09/19/2024	
Time liner inspection will commence	09:00 AM	
Please provide any information necessary for observers to liner inspection	Ashley Giovengo Senior Engineer 575-988-0055	
Please provide any information necessary for navigation to liner inspection site	32.3330917, -104.0850372	

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

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

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

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

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

CONDITIONS

Action 383093

#### **CONDITIONS**

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	383093
	Action Type:
	[NOTIFY] Notification Of Liner Inspection (C-141L)

#### CONDITIONS

Created By	Condition	Condition Date
wdale	Failure to notify the OCD of liner inspections including any changes in date/time per the requirements of 19.15.29.11.A(5)(a)(ii) NMAC, may result in the inspection not being accepted.	9/12/2024

Phone: (505) 629-6116
Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS

Action 407823

## **QUESTIONS**

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	407823
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Prerequisites	
Incident ID (n#)	nAPP2422877091
Incident Name	NAPP2422877091 LVP SWD #001 @ 30-015-42234
Incident Type	Produced Water Release
Incident Status	Remediation Plan Approved
Incident Well	[30-015-42234] LVP SWD #001

Location of Release Source	
Site Name	LVP SWD #001
Date Release Discovered	08/15/2024
Surface Owner	Private

Sampling Event General Information		
Please answer all the questions in this group.		
What is the sampling surface area in square feet	1,020	
What is the estimated number of samples that will be gathered	10	
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	12/05/2024	
Time sampling will commence	09:00 AM	
Please provide any information necessary for observers to contact samplers	Please contact Cole Burton at 575-706-5056	
Please provide any information necessary for navigation to sampling site	32.3330917, -104.0850372	

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

CONDITIONS

Action 407823

## **CONDITIONS**

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	407823
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Create By		Condition Date
jraley	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.	12/3/2024

Phone: (505) 629-6116
Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS

Action 407830

## **QUESTIONS**

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	407830
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Prerequisites	
Incident ID (n#)	nAPP2422877091
Incident Name	NAPP2422877091 LVP SWD #001 @ 30-015-42234
Incident Type	Produced Water Release
Incident Status	Remediation Plan Approved
Incident Well	[30-015-42234] LVP SWD #001

Location of Release Source	
Site Name	LVP SWD #001
Date Release Discovered	08/15/2024
Surface Owner	Private

Sampling Event General Information		
Please answer all the questions in this group.		
What is the sampling surface area in square feet	1,020	
What is the estimated number of samples that will be gathered	10	
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	12/06/2024	
Time sampling will commence	09:00 AM	
Please provide any information necessary for observers to contact samplers	Please contact Cole Burton at 575-706-5056	
Please provide any information necessary for navigation to sampling site	32.3330917, -104.0850372	

General Information Phone: (505) 629-6116

Online Phone Directory <a href="https://www.emnrd.nm.gov/ocd/contact-us">https://www.emnrd.nm.gov/ocd/contact-us</a>

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

CONDITIONS

Action 407830

## **CONDITIONS**

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	407830
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Creat By		Condition Date
jrale	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.	12/3/2024

Sante Fe Main Office Phone: (505) 476-3441 General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS

Action 407834

## **QUESTIONS**

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	407834
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Prerequisites	
Incident ID (n#)	nAPP2422877091
Incident Name	NAPP2422877091 LVP SWD #001 @ 30-015-42234
Incident Type	Produced Water Release
Incident Status	Remediation Plan Approved
Incident Well	[30-015-42234] LVP SWD #001

Location of Release Source	
Site Name	LVP SWD #001
Date Release Discovered	08/15/2024
Surface Owner	Private

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	1,020
What is the estimated number of samples that will be gathered	10
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	12/09/2024
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Please contact Cole Burton at 575-706-5056
Please provide any information necessary for navigation to sampling site	32.3330917, -104.0850372

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

CONDITIONS

Action 407834

## **CONDITIONS**

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	407834
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Creat By		Condition Date
jrale	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.	12/3/2024

Phone: (505) 629-6116
Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS

Action 407836

## **QUESTIONS**

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	407836
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Prerequisites	
Incident ID (n#)	nAPP2422877091
Incident Name	NAPP2422877091 LVP SWD #001 @ 30-015-42234
Incident Type	Produced Water Release
Incident Status	Remediation Plan Approved
Incident Well	[30-015-42234] LVP SWD #001

Location of Release Source	
Site Name	LVP SWD #001
Date Release Discovered	08/15/2024
Surface Owner	Private

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	1,020
What is the estimated number of samples that will be gathered	10
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	12/10/2024
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Please contact Cole Burton at 575-706-5056
Please provide any information necessary for navigation to sampling site	32.3330917, -104.0850372

General Information Phone: (505) 629-6116

Online Phone Directory <a href="https://www.emnrd.nm.gov/ocd/contact-us">https://www.emnrd.nm.gov/ocd/contact-us</a>

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

CONDITIONS

Action 407836

## **CONDITIONS**

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	407836
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Create By		Condition Date
jraley	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.	12/3/2024

Sante Fe Main Office Phone: (505) 476-3441 General Information Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS

Action 409990

## **QUESTIONS**

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	409990
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Prerequisites	
Incident ID (n#)	nAPP2422877091
Incident Name	NAPP2422877091 LVP SWD #001 @ 30-015-42234
Incident Type	Produced Water Release
Incident Status	Remediation Plan Approved
Incident Well	[30-015-42234] LVP SWD #001

Location of Release Source	
Site Name	LVP SWD #001
Date Release Discovered	08/15/2024
Surface Owner	Private

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	973
What is the estimated number of samples that will be gathered	10
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	12/11/2024
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	N/A
Please provide any information necessary for navigation to sampling site	32.3330917, -104.0850372

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

CONDITIONS

Action 409990

## **CONDITIONS**

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	409990
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Creat By		Condition Date
jrale	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.	12/9/2024

Sante Fe Main Office Phone: (505) 476-3441 General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS

Action 409937

Qu	UESTIONS	
Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137 Action Number: 409937 Action Type:	
QUESTIONS	[NOTIFY] Notification Of Sampling (C-141N)	
Prerequisites		
	Т	
Incident ID (n#)	nAPP2422877091	
Incident Name	NAPP2422877091 LVP SWD #001 @ 30-015-42234	
Incident Type	Produced Water Release	
Incident Status	Remediation Plan Approved	
Incident Well	[30-015-42234] LVP SWD #001	
Location of Release Source		
Site Name	LVP SWD #001	
Date Release Discovered	08/15/2024	
Surface Owner	Private	
Sampling Event General Information		
Please answer all the questions in this group.  What is the sampling surface area in square feet	973	
What is the estimated number of samples that will be gathered	10	
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	12/10/2024	
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	N/A	
Please provide any information necessary for navigation to sampling site	32.3330917, -104.0850372	

General Information Phone: (505) 629-6116

Online Phone Directory <a href="https://www.emnrd.nm.gov/ocd/contact-us">https://www.emnrd.nm.gov/ocd/contact-us</a>

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

CONDITIONS

Action 409937

## **CONDITIONS**

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	409937
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Create By		Condition Date
jraley	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.	12/9/2024

Phone: (505) 629-6116
Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS

Action 413062

## **QUESTIONS**

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	413062
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Prerequisites	
Incident ID (n#)	nAPP2422877091
Incident Name	NAPP2422877091 LVP SWD #001 @ 30-015-42234
Incident Type	Produced Water Release
Incident Status	Remediation Plan Approved
Incident Well	[30-015-42234] LVP SWD #001

Location of Release Source	
Site Name	LVP SWD #001
Date Release Discovered	08/15/2024
Surface Owner	Private

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	400
What is the estimated number of samples that will be gathered	2
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	12/20/2024
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	N/A
Please provide any information necessary for navigation to sampling site	32.3330917, -104.0850372

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

CONDITIONS

Action 413062

## **CONDITIONS**

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	413062
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

Created By	1 Condition	Condition Date
jraley	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.	12/17/2024

Sante Fe Main Office Phone: (505) 476-3441 General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS

Action 418500

## **QUESTIONS**

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	418500
	Action Type:
	[C-141] Deferral Request C-141 (C-141-v-Deferral)

Prerequisites	
Incident ID (n#)	nAPP2422877091
Incident Name	NAPP2422877091 LVP SWD #001 @ 30-015-42234
Incident Type	Produced Water Release
Incident Status	Deferral Request Received
Incident Well	[30-015-42234] LVP SWD #001

Location of Release Source	
Please answer all the questions in this group.	
Site Name	LVP SWD #001
Date Release Discovered	08/15/2024
Surface Owner	Private

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

Nature and Volume of Release		
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.		
Crude Oil Released (bbls) Details	Not answered.	
Produced Water Released (bbls) Details	Cause: Equipment Failure   Valve   Produced Water   Released: 361 BBL   Recovered: 360 BBL   Lost: 1 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)	inlet enardo failed. 360.5 bbls spilled into lined containment and 360 bbls recovered. 0.71 bbls spilled onto the pad, not recovered	

General Information Phone: (505) 629-6116

Operator:

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

QUESTIONS, Page 2

Action 418500

QUESTIONS	(continued)

OGRID:

DEVON ENERGY PRODUCTION COMPANY, LP	6137	
333 West Sheridan Ave. Oklahoma City, OK 73102	Action Number:	
	418500	
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)	
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	Yes	
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.	
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.	
In West Programs		
Initial Response  The responsible party must undertake the following actions immediately unless they could create a	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	rhy Not answered.	
	udiation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative o leted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of evaluation in the follow-up C-141 submission.	
to report and/or file certain release notifications and perform corrective actions for relithe OCD does not relieve the operator of liability should their operations have failed to	whowledge and understand that pursuant to OCD rules and regulations all operators are required eases which may endanger public health or the environment. The acceptance of a C-141 report by a adequately investigate and remediate contamination that pose a threat to groundwater, surface out does not relieve the operator of responsibility for compliance with any other federal, state, or	
I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dvn.com	

Phone: (505) 629-6116

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

QUESTIONS, Page 3

Action 418500

**QUESTIONS** (continued)

Operator		OGRID:
	DEVON ENERGY PRODUCTION COMPANY, LP	6137
	333 West Sheridan Ave.	Action Number:
	Oklahoma City, OK 73102	418500
		Action Type:
		[C-141] Deferral Request C-141 (C-141-v-Deferral)

## 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 26 and 50 (ft.)	
What method was used to determine the depth to ground water	Direct Measurement	
Did this release impact groundwater or surface water	No	
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:		
A continuously flowing watercourse or any other significant watercourse	Between 500 and 1000 (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 1 and 5 (mi.)	
Any other fresh water well or spring	Between 1 and 5 (mi.)	
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1 and 5 (mi.)	
A wetland	Between 500 and 1000 (ft.)	
A subsurface mine	Between 1 and 5 (mi.)	
An (non-karst) unstable area	Between 1 and 5 (mi.)	
Categorize the risk of this well / site being in a karst geology	Medium	
A 100-year floodplain	Between 500 and 1000 (ft.)	
Did the release impact areas not on an exploration, development, production, or storage site	No	

Remediation Plan		
Please answer all the questions th	at apply or are indicated. This information must be provided to t	the appropriate district office no later than 90 days after the release discovery date.
Requesting a remediation	olan approval with this submission	Yes
Attach a comprehensive report der	monstrating 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 vertica	l extents of contamination been fully delineated	Yes
Was this release entirely co	ontained within a lined containment area	No
Soil Contamination Sampling	: (Provide the highest observable value for each, in mill	ligrams per kilograms.)
Chloride	(EPA 300.0 or SM4500 CI B)	15700
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	194
GRO+DRO	(EPA SW-846 Method 8015M)	90.7
BTEX	(EPA SW-846 Method 8021B or 8260B)	0
Benzene	(EPA SW-846 Method 8021B or 8260B)	0
	IMAC unless the site characterization report includes completed elines for beginning and completing the remediation.	efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC,
On what estimated date wil	I the remediation commence	12/05/2024
On what date will (or did) th	ne final sampling or liner inspection occur	09/20/2024
On what date will (or was) the remediation complete(d)		12/20/2024
What is the estimated surface area (in square feet) that will be reclaimed		1368
What is the estimated volur	ne (in cubic yards) that will be reclaimed	337
What is the estimated surfa	ce area (in square feet) that will be remediated	1368
What is the estimated volume (in cubic yards) that will be remediated		337
These estimated dates and measur	rements 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.

General Information Phone: (505) 629-6116

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

QUESTIONS, Page 4

Action 418500

**QUESTIONS** (continued)

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	418500
	Action Type:
	[C-141] Deferral Request C-141 (C-141-v-Deferral)

## QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the	appropriate district office no later than 90 days after the release discovery date.
This remediation will (or is expected to) utilize the following processes to remediate	/ reduce contaminants:
(Select all answers below that apply.)	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	HALFWAY DISPOSAL AND LANDFILL [fEEM0112334510]
OR which OCD approved well (API) will be used for off-site disposal	30-015-42234 LVP SWD #001
OR is the off-site disposal site, to be used, out-of-state	No
OR is the off-site disposal site, to be used, an NMED facility	No
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No

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

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

I hereby agree and sign off to the above statement

I hereby agree and sign off to the above statement

Title: EHS Professional
Email: jim.raley@dvn.com
Date: 01/08/2025

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.

Operator:

Phone: (505) 629-6116
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# State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

QUESTIONS, Page 5

Action 418500

**QUESTIONS** (continued)

OGRID:

DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	418500
	Action Type:
	[C-141] Deferral Request C-141 (C-141-v-Deferral)
QUESTIONS	
Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of	of the following items must be confirmed as part of any request for deferral of remediation.
Requesting a deferral of the remediation closure due date with the approval of this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Is the remaining contamination in areas immediately under or around production equipment where remediation could cause a major facility deconstruction	Yes
Please list or describe the production equipment and how (re)moving the equipment would cause major facility deconstruction	Lined secondary containment, production tanks and associated production pipping.
What is the remaining surface area (in square feet) that will still need to be remediated if a deferral is granted	6337
What is the remaining volume (in cubic yards) that will still need to be remediated if a deferral is granted	1056
	diately under or around production equipment such as production tanks, wellheads and pipelines where on may be deferred with division written approval until the equipment is removed during other operations, or when
Enter the facility ID (f#) on which this deferral should be granted	Not answered.
Enter the well API (30-) on which this deferral should be granted	30-015-42234 LVP SWD #001
Contamination does not cause an imminent risk to human health, the environment, or groundwater	True
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed e which includes the anticipated timelines for beginning and completing the remediation.	efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMA
to report and/or file certain release notifications and perform corrective actions for rele the OCD does not relieve the operator of liability should their operations have failed to	knowledge and understand that pursuant to OCD rules and regulations all operators are required asses which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface rt does not relieve the operator of responsibility for compliance with any other federal, state, or Name: James Raley
I hereby agree and sign off to the above statement	Title: EHS Professional Email: jim.raley@dvn.com Date: 01/08/2025

Phone: (505) 629-6116
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# State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

QUESTIONS, Page 6

Action 418500

QUESTIONS (continued)

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Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	418500
	Action Type:
	[C-141] Deferral Request C-141 (C-141-v-Deferral)

Sampling Event Information	
Last sampling notification (C-141N) recorded	413062
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	12/20/2024
What was the (estimated) number of samples that were to be gathered	2
What was the sampling surface area in square feet	400

Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all re	emediation steps have been completed.
Requesting a remediation closure approval with this submission	No

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

CONDITIONS

Action 418500

## **CONDITIONS**

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	418500
	Action Type:
	[C-141] Deferral Request C-141 (C-141-v-Deferral)

Created By		Condition Date
nvelez	Deferral is approved. Remediation Due date will be left open until the site has been plugged and abandoned or a major facility deconstruction takes place.	4/7/2025