NAPP2114741269

Free Standing Fluid Only	
Area (square feet)	Depth(inches)
2523	0.250
Standing fluid	9.369
Total fluids spilled	9.369

ENSOLUM

April 5, 2024

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

Re: Deferral Request
Mean Green 23 Fed 1H Battery
Incident Number nAPP2114741269
Lea County, New Mexico

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of Devon Energy Production Company (Devon), has prepared this *Deferral Request* to document assessment and soil sampling activities at the Mean Green 23 Fed 1H Battery (Site) in Unit P, Section 23, Township 26 South, Range 34 East, in Lea County, New Mexico (Figure 1). The Site (32.022023°, -103.433148°) is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (BLM).

The purpose of the Site assessment and soil sampling activities was to assess for the presence or absence of impacts to soil following a release of produced water within a lined 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 and delineation activities that have occurred and requesting deferral of final remediation for Incident Number nAPP2114741269 until the Site is reconstructed and/or the well pad is abandoned.

BACKGROUND

On May 14, 2021, a leak developed on inlet piping for a produced water tank, resulting in the release of approximately 9.3 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; all 9.3 bbls of released produced water were recovered from within the lined containment. Devon reported the release to the New Mexico Oil Conservation Division (NMOCD) via email on May 27, 2021, and subsequently the release was assigned Incident Number nAPP2114741269 (Appendix A). A liner integrity inspection was conducted by Devon personnel following fluid recovery. Upon inspection, the liner was determined to be insufficient.

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 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.

On March 5, 2024, a soil boring (New Mexico Office of the State Engineer (NMOSE) file number C-04809 POD1 was drilled 245 feet southwest of the secondary containment. Soil boring C-04809 was drilled to a depth of 102 feet below ground surface (bgs). Depth to groundwater was confirmed to be greater than 102 feet bgs as indicated on the well log and record (see Appendix B).

The closest continuously flowing or significant watercourse to the Site is a freshwater pond, located approximately 1.16 miles northeast 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 (low karst potential designation area). Site receptors are identified on Figure 1.

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

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

SITE ASSESSMENT ACTIVITIES

On November 16, 2023, Ensolum personnel visited the Site to verify the liner integrity inspection completed by Devon and to conducted Site assessment activities. Ensolum personnel verified the presence of five tears in the containment liner and it was determined the liner was insufficient and did not have the ability to contain the release in question. Four assessment soil samples (SS01 through SS04) were collected from each side of the lined secondary containment at surface level. The soil samples were field screened for TPH utilizing a PetroFLAG® Hydrocarbon Test Kit and chloride using the MOHR method titration. 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 C.

The soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were transported under strict chain-of-custody procedures to Envirotech 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- GRO, TPH- DRO, and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following Standard Method SM4500.

DELINEATION ACTIVITIES

Ensolum returned to the Site on December 7, 2023, to conduct delineation activities and to assess for the presence or absence of impacts to soil beneath the containment. The liner was found insufficient during the initial liner inspection and as such, five boreholes (BH01 through BH05) were advanced in the general vicinity of the tears in the damaged liner. The boreholes were advanced via hand auger to a depth of 2 feet bgs in boreholes BH01, BH03, and BH04; to a depth of 3-feet bgs in borehole BH02; and to a depth of 1-foot bgs in borehole BH05, and field screened for TPH and chlorides at each foot as described above. The soil samples were handled and analyzed as previously described. Field screening

results and observations from the boreholes were logged on lithologic/soil sampling logs, which are included in Appendix D. Discrete delineation soil samples were collected at ground surface and from each foot in boreholes BH01 through BH05 and submitted for laboratory analysis.

On January 19, 2024, Ensolum personnel returned to the Site to recollect lateral assessment soil sample SS03, which exceeded the strictest Closure Criteria per NMOCD Table I due to localized surface contamination from ongoing production operations. Lateral assessment soil sample SS03A was recollected at ground surface; the sample was handled and analyzed in the same manner as previously described.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for assessment soil samples SS01, SS02, SS03A, and SS04, collected from outside of the lined secondary containment, indicated all COC concentrations were compliant with Site Closure Criteria and with NMOCD Table I. Laboratory analytical results are summarized in Table 1 and the complete laboratory analytical reports are included as Appendix E.

Laboratory analytical results for vertical delineation soil samples collected from boreholes BH03 and BH05 indicated COC concentrations were compliant with the Site Closure Criteria at ground surface to 2 feet bgs and 1-foot bgs respectively. Concentrations of TPH exceeded the Site Closure Criteria at ground surface in boreholes BH01, BH02, and BH04. Laboratory analytical results are summarized in Table 1 and the complete laboratory analytical reports are included as Appendix E.

DEFERRAL REQUEST

Devon is requesting 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 delineation soil samples BH01 through BH05, collected from a depth of 2 feet bgs in boreholes BH01, BH02, and BH04; at 3-feet bgs in borehole BH02; and at 1-foot bgs in borehole BH05, and laterally by surface soil samples SS01, SS02, SS03A, and SS04, collected at the ground surface. A maximum of 281 cubic yards of chloride impacted soil remains in place beneath the liner assuming a maximum 1-foot depth based on the delineation soil samples listed above. Impacted soil volumes estimate include waste-containing soil volumes to be addressed through reconstruction of the containment or final pad reclamation. The area of deferment is depicted on Figure 3.

Devon does not believe deferment will result in imminent risk to human health, the environment, or groundwater. Depth to groundwater was determined to be greater than 102 feet bgs, the release was contained laterally by the lined containment, 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 nAPP2114741269 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.

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
Senior Managing Geologist

cc: Dale Woodall, Devon
Bureau of Land Management

Appendices:

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

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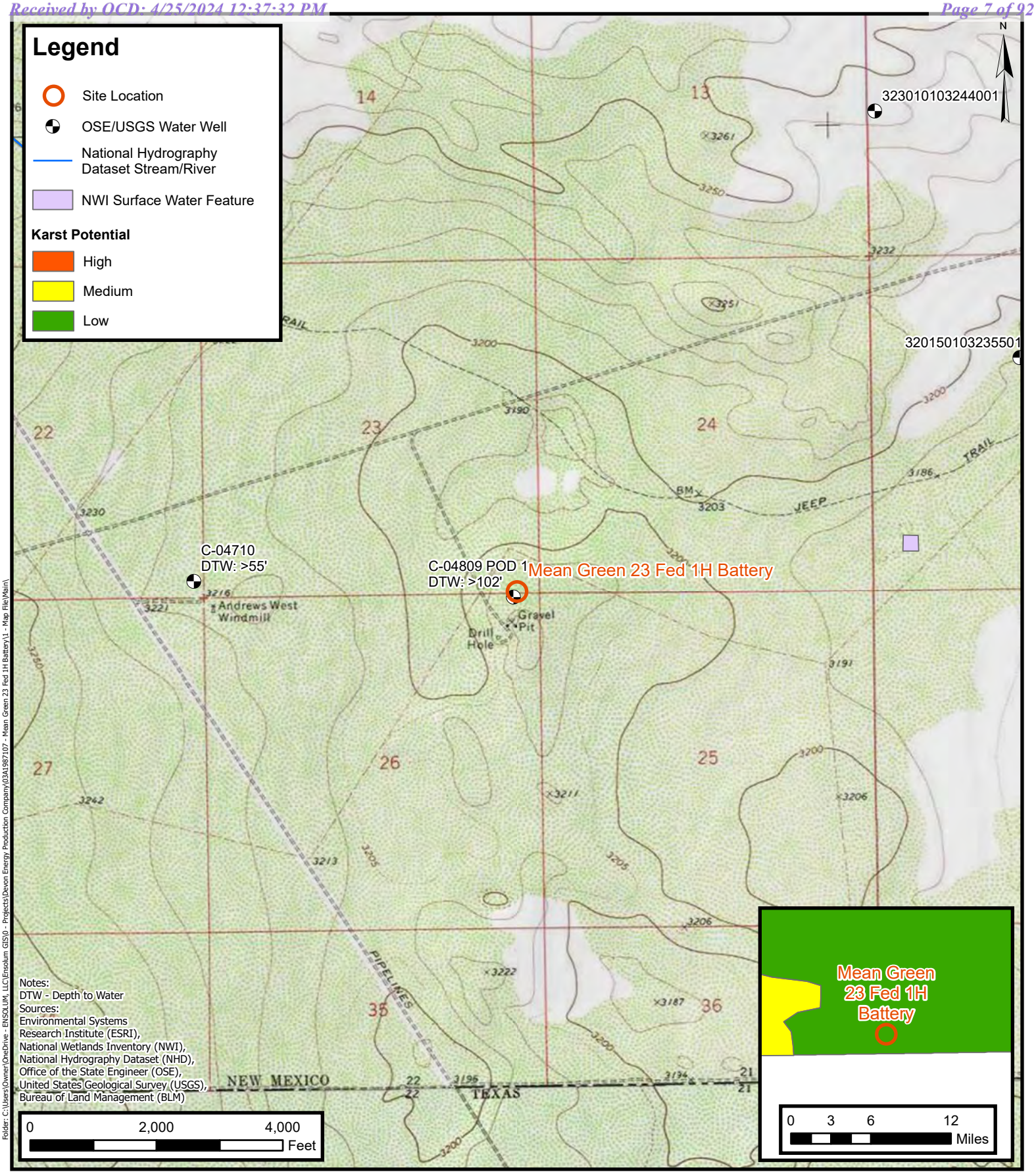
FIGURES



Folder: C:\Users\Owner\OneDrive - ENSOLUM, LLC\Ensolum GIS\0 - Projects\Devon Energy Production Company\03A1987107 - Mean Green 23 Fed 1H Battery\1 - Map File\Main\

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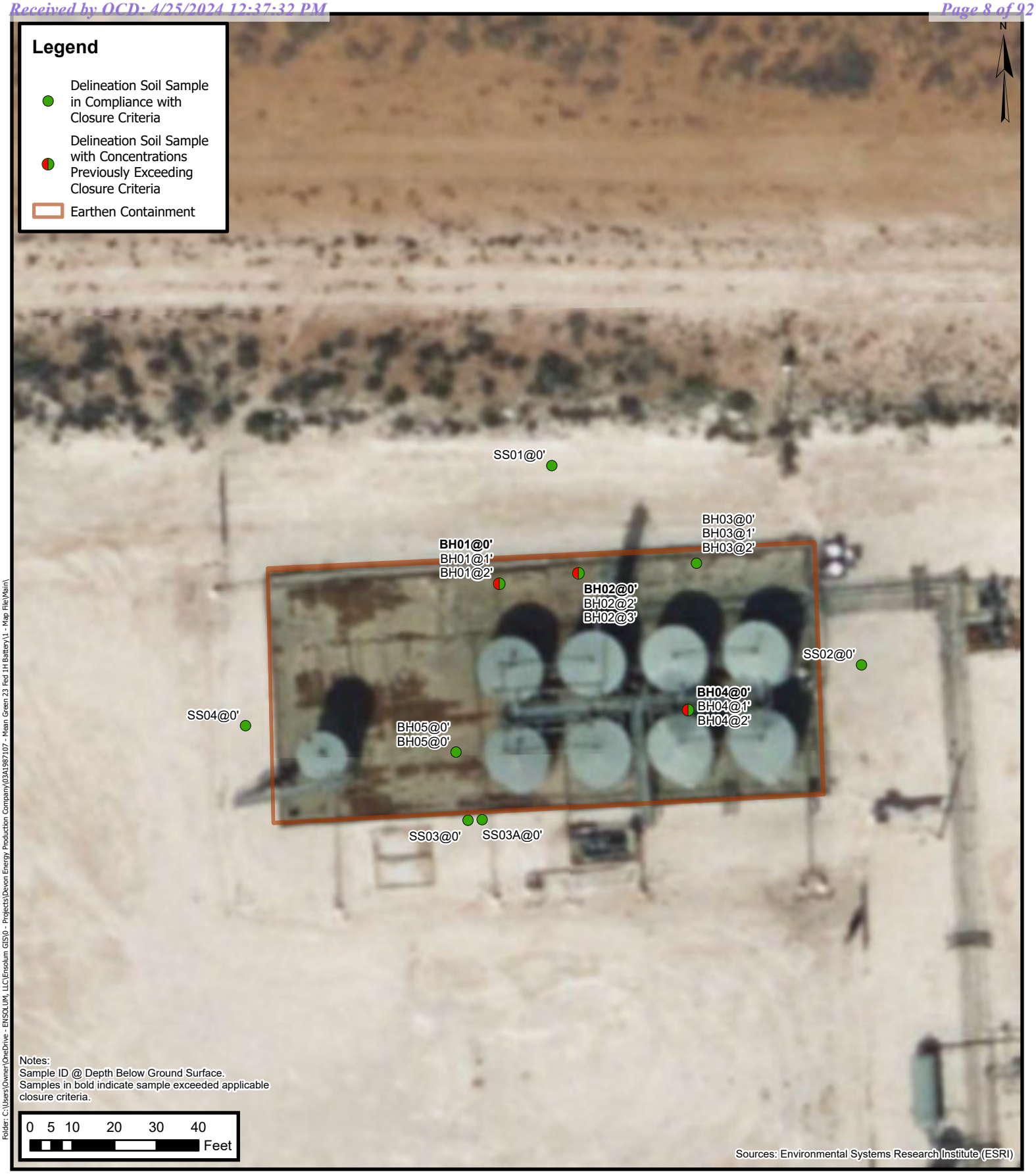
Environmental, Engineering and Hydrogeologic Consultants

Site Receptor Map

Devon Energy Production Company
Mean Green 23 Fed 1H Battery
Incident Number: nAPP2114741269
Unit P, Section 23, T26S, R34E
Eddy County, New Mexico

FIGURE 1



Folder: C:\Users\Owner\OneDrive - ENSOLUM, LLC\Ensolum GIS\0 - Projects\Devon Energy Production Company\03A1987107 - Mean Green 23 Fed 1H Battery\1 - Map File\Main\

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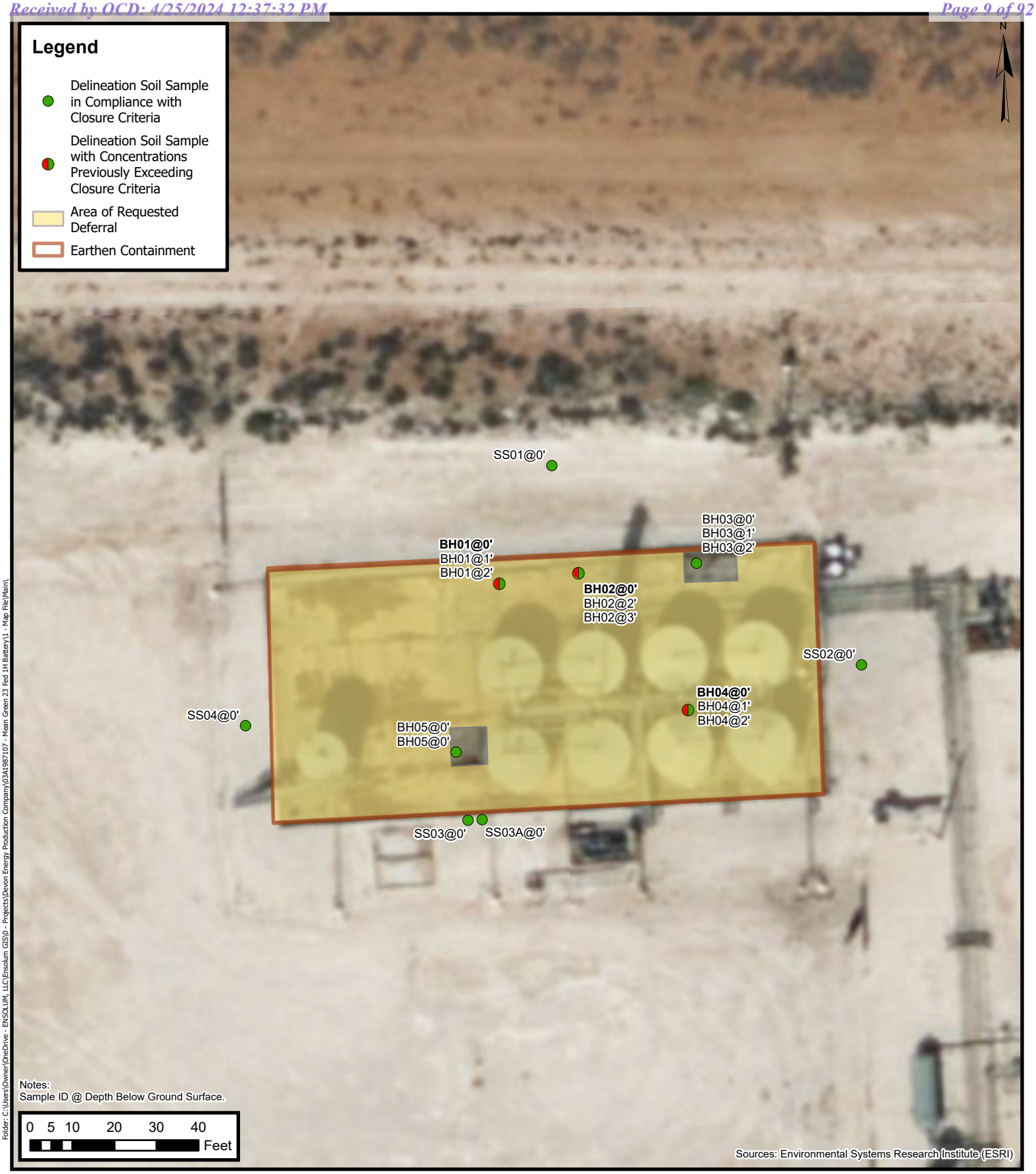
Environmental, Engineering and Hydrogeologic Consultants

Delineation Soil Sample Locations

Devon Energy Production Company
Mean Green 23 Fed 1H Battery
Incident Number: nAPP2114741269
Unit P, Section 23, T26S, R34E
Eddy County, New Mexico

FIGURE 2



Folder: C:\Users\Owner\OneDrive - ENSOLUM, LLC\Ensolum GIS\0 - Projects\Devon Energy Production Company\03A1987107 - Mean Green 23 Fed 1H Battery\1 - Map File\Main\

ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

Area of Requested Deferral

Devon Energy Production Company
Mean Green 23 Fed 1H Battery
Incident Number: nAPP2114741269
Unit P, Section 23, T26S, R34E
Eddy County, New Mexico

FIGURE 3

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TABLES

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TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS
Mean Green 23 Fed 1H Battery
Devon Energy Production Company
Lea County, New Mexico

Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria (NMAC 19.15.29)			**10**	**50**	**NE**	**NE**	**NE**	**1,000**	**2,500**	**20,000**
Delineation Soil Samples										
SS01	11/16/2023	0	<0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	86.8
SS02	11/16/2023	0	<0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	162
SS03	11/16/2023	0	<0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	632
SS03A	1/19/2024	0	<0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	130
SS04	11/16/2023	0	<0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH01	12/7/2023	0	<0.025	<0.025	<20.0	1,320	2,050	**3,270**	**3,270**	<20.0
BH01	12/7/2023	1	<0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH01	12/7/2023	2	<0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH02	12/7/2023	0	<0.025	<0.025	<20.0	2,730	3,550	**6,280**	**6,280**	<20.0
BH02	12/7/2023	2	<0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH02	12/7/2023	3	<0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH03	12/7/2023	0	<0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH03	12/7/2023	1	<0.025	<0.025	<20.0	<25.0	55.6	<25.0	55.6	<20.0
BH03	12/7/2023	2	<0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH04	12/7/2023	0	<0.025	<0.025	<20.0	548	613	**1,161**	1,161	31.5
BH04	12/7/2023	1	<0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	<20.0
BH04	12/7/2023	2	<0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	115
BH05	12/7/2023	0	<0.025	<0.025	<20.0	178	429	607	607	49.2
BH05	12/7/2023	1	<0.025	<0.025	<20.0	<25.0	<50.0	<25.0	<50.0	52.1

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

~~*Grey*~~ *text represents samples that have been excavated*

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

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

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

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

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APPENDIX A

Form C-141

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

State of New Mexico
Energy Minerals and Natural Resources Department

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

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

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	OGRID
Contact Name	Contact Telephone
Contact email	Incident # *(assigned by OCD)*
Contact mailing address	

Location of Release Source

Latitude _____ Longitude _____
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Site Type
Date Release Discovered	API# *(if applicable)*

Unit Letter	Section	Township	Range	County

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

Nature and Volume of Release

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

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☐ Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
Cause of Release		

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☐ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

Initial Response

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

- ☐ The source of the release has been stopped.
- ☐ The impacted area has been secured to protect human health and the environment.
- ☐ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
- ☐ All free liquids and recoverable materials have been removed and managed appropriately.

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

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

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

Printed Name: _____ Title: _____

Signature: Kendra DeHoyos Date: _____

email: _____ Telephone: _____

OCD Only

Received by: Ramona Marcus Date: 5/27/2021

NAPP2114741269

Free Standing Fluid Only	
Area (square feet)	Depth(inches)
2523	0.250
Standing fluid	9.369
Total fluids spilled	9.369

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

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

CONDITIONS

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	6137
	Action Number: 29729
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rmarcus	None	5/27/2021

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APPENDIX B

Well Log and Record

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION

OSE POD NO. (WELL NO.) POD1	WELL TAG ID NO. N/A	OSE FILE NO(S) C-04809
WELL OWNER NAME(S) Devon Energy Production Company		PHONE (OPTIONAL) 575-748-1838
WELL OWNER MAILING ADDRESS 205 E. Bender Road #150		CITY Hobbs STATE Nm ZIP 88240

WELL LOCATION (FROM GPS)		DEGREES	MINUTES	SECONDS	
	LATITUDE	32	1	16.8594	N
	LONGITUDE	-103	26	0.186	W

* ACCURACY REQUIRED: ONE TENTH OF A SECOND
* DATUM REQUIRED: WGS 84

DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE
Unit P, Section 23, Township 26S, Range 34E, Lea County, New Mexico

2. DRILLING & CASING INFORMATION

LICENSE NO.	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
WD1188	John Scarborough	John Scarborough Drilling Inc.

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
03/05/2024	03/05/2024	102	102	N/A

COMPLETED WELL IS: ☐ ARTESIAN ☑ DRY HOLE ☐ SHALLOW (UNCONFINED) — STATIC WATER LEVEL IN COMPLETED WELL (FT): N/A

DRILLING FLUID: ☑ AIR ☐ MUD ADDITIVES – SPECIFY:

DRILLING METHOD: ☑ ROTARY ☐ HAMMER ☐ CABLE TOOL ☐ OTHER – SPECIFY:

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
0	102	5.00	Soil Boring	-	-	-	-

3. ANNULAR MATERIAL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT
			N/A		

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 04/30/19)

FILE NO.	POD NO.	TRN NO.
LOCATION	WELL TAG ID NO.	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
0	10	10		Y ✓ N	
10	20	10	Sand, trace gravel, brown to tan, med to fine grain, nonuniform	Y ✓ N	
20	30	10	Sand with gravel, red to tan, med to fine grain, samll to large gravel	Y ✓ N	
30	40	10	Sandy clay, med to dark brown, noncohesive, uniform	Y ✓ N	
40	50	10	Sand, light to med brown, fine to medium grain, noncohesive, uniform	Y ✓ N	
50	60	10	Sand, light to red, fine to med grain size, noncohesive, uniform	Y ✓ N	
60	70	10	Sand with trace gravel, grey, mostly medium, to fine, noncohesive, nonuniform	Y ✓ N	
70	80	10	Sandy clay, grey to med brown, fine to very fine grain size, noncohesive	Y ✓ N	
80	90	10	Caliche, white to grey, thickly bedded, interbedded with sand	Y ✓ N	
90	100	10	Caliche, brown to red thickly bedded, interbedded with brown to red sand	Y ✓ N	
100	102	2	Sand with trace gravel, tan to light brown, fine to med fine grain	Y ✓ N	
102	102	0	caliche, white to grey	Y ✓ N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:

☐ PUMP ☐ AIR LIFT ☐ BAILER ☐ OTHER – SPECIFY:

TOTAL ESTIMATED WELL YIELD (gpm): 0.00

5. TEST; RIG SUPERVISION

WELL TEST: TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.

MISCELLANEOUS INFORMATION: Temporary well material removed and soil boring backfilled using drill cuttings from total depth to 10 ft below ground surface (bgs), then hydrated bentonite chips 10 ft bgs to ground surface.

PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:

Scott Scarborough

6. SIGNATURE

BY SIGNING BELOW, I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED WELL. I ALSO CERTIFY THAT THE WELL TAG, IF REQUIRED, HAS BEEN INSTALLED AND THAT THIS WELL RECORD WILL ALSO BE FILED WITH THE PERMIT HOLDER WITHIN 30 DAYS AFTER THE COMPLETION OF WELL DRILLING.

Scott Scarborough — Digitally signed by Scott Scarborough Date: 2024.03.25 09:29:53 -06'00'

Scott Scarborough — 03/25/2024

SIGNATURE OF DRILLER / PRINT SIGNEE NAME — DATE

FOR OSE INTERNAL USE — WR-20 WELL RECORD & LOG (Version 04/30/2019)

FILE NO.	POD NO.	TRN NO.	
LOCATION		WELL TAG ID NO.	PAGE 2 OF 2

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APPENDIX C

Lithologic Soil Sampling Logs

ENSOLUM	Sample Name: BH01	Date: 12/07/2023
	Site Name: Mean Green 23 Fed 1H Battery	
	Incident Number: nApp2114741269	
	Job Number: 03A1987107	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Chad Hamilton	Method: Hand Auger
Coordinates: 32.022161, -103.433240	Hole Diameter: 3"	Total Depth: 2'

Comments: Field screening conducted with HACH Chloride Test Strips and PetroFLAG for chloride and voilatiles, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D	NA	NA	Y	BH03	0	0	CCHE	Caliche Pad
M	ND	28	N	BH03	1	1	SP-SC	Primarily Med Brn to Red, fine to med grn sz, moist, non-plastic, cohesive, massive, few intermixed caliche rocks ranging in size from small to large gravel, non- uniform, alluvial, sharp
M	ND	NA	N	BH03	2	2	SM	Primarily Med Brn to Red, fine to med grn sz, moist, non-plastic, cohesive, massive, uniform, alluvial, sharp

Total Depth @ 2ft bgs.

ENSOLUM

	Sample Name: BH02	Date: 12/07/2023
	Site Name: Mean Green 23 Fed 1H Battery	
	Incident Number: nAPP2114741269	
	Job Number: 03A1987107	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Ethan Haft	Method: Hand Auger
Coordinates: 32.0221656, -103.4331796	Hole Diameter: 3"	Total Depth: 2'

Comments: Field screening conducted with HACH Chloride Test Strips and PetroFLAG for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D	ND	NA	Y	BH02	0	0	CCHE	Pad caliche and tar from liner. Gravelly white stained black.
D	ND	659	N	BH02	1	1	SP-SC	Primarily Med Brn to Red, fine to med grn sz, dry, non-plastic, cohesive, massive, few intermixed caliche rocks ranging in size from small to large gravel, non- uniform, alluvial, sharp
M	ND	86	Y	BH02	2	2	SM	Mostly Dark brown silty sand w/ limestone cobble, med to fine grn sz w/ trc small to large cobble, moist, non-plastic, noncohesive
M	ND	44	Y	BH02	3	3		

Total Depth @ 3 ft bgs.

ENSOLUM	Sample Name: BH03	Date: 12/07/2023
	Site Name: Mean Green 23 Fed 1H Battery	
	Incident Number: nApp2114741269	
	Job Number: 03A1987107	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Chad Hamilton	Method: Hand Auger
Coordinates: 32.022172, -103.433089	Hole Diameter: 3"	Total Depth: 2'

Comments: Field screening conducted with HACH Chloride Test Strips and PetroFLAG for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D	NA	NA	Y	BH03	0	0	CCHE	Caliche Pad
M	ND	47	N	BH03	1	1	SP-SC	Primarily Med Brn to Red, fine to med grn sz, moist, non-plastic, cohesive, massive, few intermixed caliche rocks ranging in size from small to large gravel, non- uniform, alluvial, sharp
M	ND	NA	N	BH03	2	2	SM	Primarily Med Brn to Red, fine to med grn sz, moist, non-plastic, cohesive, massive, uniform, alluvial, sharp

Total Depth @ 2ft bgs.

ENSOLUM

	Sample Name: BH04	Date: 12/07/2023
	Site Name: Mean Green 23 Fed 1H Battery	
	Incident Number: nAPP2114741269	
	Job Number: 03A1987107	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Ethan Haft	Method: Hand Auger
Coordinates: 32.0220757, -103.4330971	Hole Diameter: 3"	Total Depth: 2'

Comments: Field screening conducted with HACH Chloride Test Strips and PetroFLAG for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D	ND	NA	Y	BH04	0	0	GP	Pad caliche and tar from liner. Gravelly white stained black.
M	ND	67	N	BH04	1	1	SP-SC	Primarily Med Brn to Red, fine to med grn sz, dry, non-plastic, cohesive, massive, few intermixed caliche rocks ranging in size from small to large gravel, non- uniform, alluvial, sharp
M	ND	NA	N	BH04	2	2	SW-SM	Mostly Dark brown silty sand w/ limestone cobble, med to fine grn sz w/ trc small to large cobble, moist, non-plastic, noncohesive

Total Depth @ 2ft bgs.

ENSOLUM	Sample Name: BH05	Date: 12/07/2023
	Site Name: Mean Green 23 Fed 1H Battery	
	Incident Number: nAPP2114741269	
	Job Number: 03A1987107	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: Ethan Haft	Method: Hand Auger
Coordinates: 32.0220507, -103.4332748	Hole Diameter: 3"	Total Depth: 3'

Comments: Field screening conducted with HACH Chloride Test Strips and PetroFLAG for chloride and TPH, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.

Moisture Content	Chloride (ppm)	TPH (ppm)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic Descriptions
D	ND	NA	Y	BH05	0	0	CCHE	Pad caliche and tar from liner. Gravelly white stained black.
D	240	NA	N	BH05	1	1	SP-SC	Primarily Med Brn to Red, fine to med grn sz, dry, non-plastic, cohesive, massive, few intermixed caliche rocks ranging in size from small to large gravel, non- uniform, alluvial, sharp
M	2,145	NA	Y	BH05	2	2	SM	Mostly Dark brown silty sand w/ limestone cobble, med to fine grn sz w/ trc small to large cobble, moist, non-plastic, noncohesive
M	1,870	NA	Y	BH05	3	3		

Total Depth @ 3 ft bgs.

ENSOLUM

APPENDIX D

Photographic Log

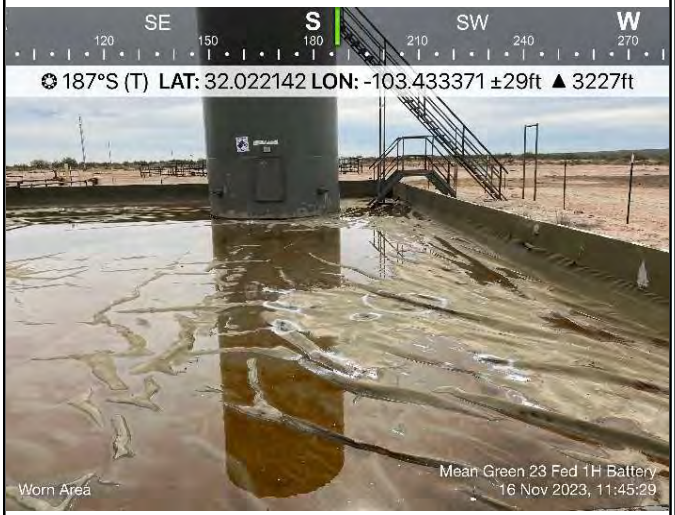
ENSOLUM

Photographic Log
Devon Energy Production Company
Mean Green 23 Fed 1H Battery
Incident Number: nAPP2114741269

Photograph 1 Date: 11/16/2023
Description: Hole in liner
View: East

Photograph 2 Date: 11/16/2023
Description: Hole in liner
View: Northeast

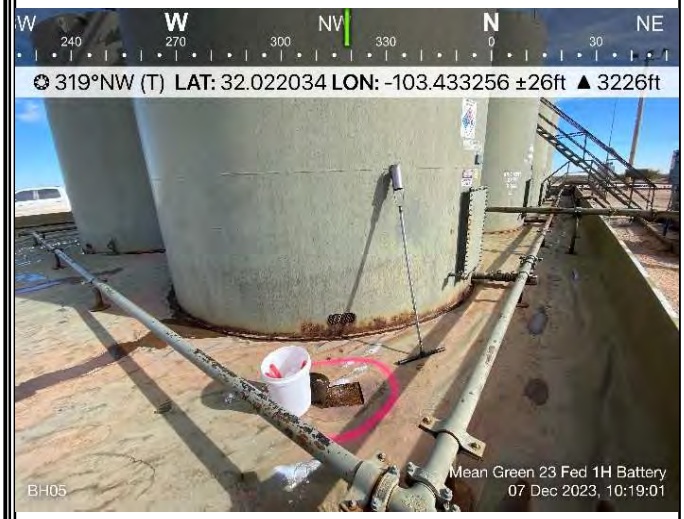
Photograph 3 Date: 11/16/2023
Description: Hole in liner, worn area
View: East



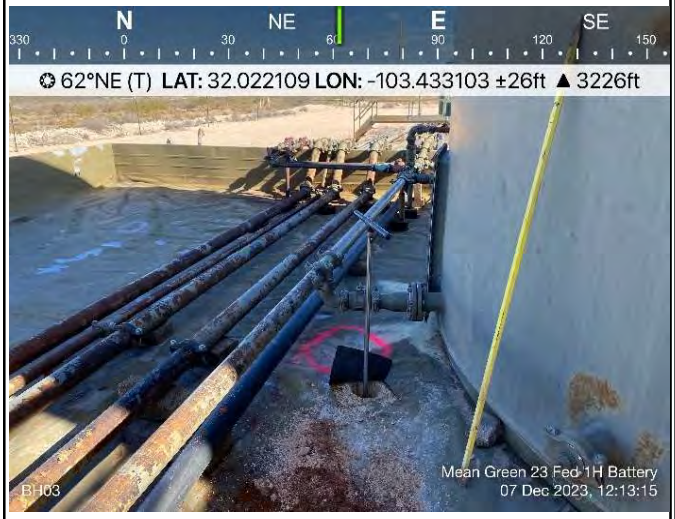
Photograph 4 Date: 11/16/2023
Description: Worn area in containment
View: South

ENSOLUM

Photographic Log
Devon Energy Production Company
Mean Green 23 Fed 1H Battery
Incident Number: nAPP2114741269

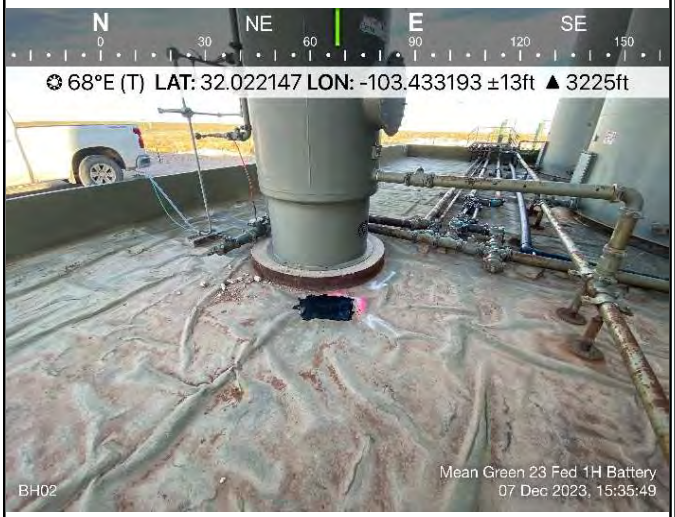


Photograph 5 Date: 12/07/2023
Description: BH05 before delineation
View: Northwest



Photograph 6 Date: 12/07/2023
Description: BH03
View: Northeast

Photograph 7 Date: 12/07/2023
Description: BH05 patch
View: Southeast



Photograph 8 Date: 12/07/2023
Description: BH02 patch
View: Northeast

ENSOLUM

Photographic Log
Devon Energy Production Company
Mean Green 23 Fed 1H Battery
Incident Number: nAPP2114741269

Photograph 9 Date: 12/14/2023
Description: SS03 Sample Area
View: Northwest

Photograph 10 Date: 01/19/2024
Description: SS03A Sample Area
View: Northeast

Photograph 11 Date: 01/19/2024
Description: Potential Water Well Location #1
View: South

Photograph 12 Date: 01/19/2024
Description: Potential Water Well Location #2
View: West

ENSOLUM

APPENDIX E

Laboratory Analytical Reports & Chain-of-Custody Documentation

Report to:

Ashley Giovengo

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy

Project Name:	Mean Green 23 Fed 1H Battery
Work Order:	E311157
Job Number:	01058-0007
Received:	11/18/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/29/23

Date Reported: 11/29/23

Ashley Giovengo
PO Box 6459
Navajo Dam, NM 87419

Project Name: Mean Green 23 Fed 1H Battery
Workorder: E311157
Date Received: 11/18/2023 7:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/18/2023 7:30:00AM, under the Project Name: Mean Green 23 Fed 1H Battery.

The analytical test results summarized in this report with the Project Name: Mean Green 23 Fed 1H Battery apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

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

Field Offices:

Southern New Mexico Area

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

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

Devon Energy	Project Name:	Mean Green 23 Fed 1H Battery	**Reported:**
PO Box 6459	Project Number:	01058-0007	
Navajo Dam NM, 87419	Project Manager:	Ashley Giovengo	11/29/23 14:21

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS01-0'	E311157-01A	Soil	11/16/23	11/18/23	Glass Jar, 2 oz.
SS02-0'	E311157-02A	Soil	11/16/23	11/18/23	Glass Jar, 2 oz.
SS03-0'	E311157-03A	Soil	11/16/23	11/18/23	Glass Jar, 2 oz.
SS04-0'	E311157-04A	Soil	11/16/23	11/18/23	Glass Jar, 2 oz.

Sample Data

Devon Energy	Project Name:	Mean Green 23 Fed 1H Battery	
PO Box 6459	Project Number:	01058-0007	**Reported:**
Navajo Dam NM, 87419	Project Manager:	Ashley Giovengo	11/29/2023 2:21:42PM

SS01-0'

E311157-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2347025
Benzene	ND	0.0250	1	11/20/23	11/27/23	
Ethylbenzene	ND	0.0250	1	11/20/23	11/27/23	
Toluene	ND	0.0250	1	11/20/23	11/27/23	
o-Xylene	ND	0.0250	1	11/20/23	11/27/23	
p,m-Xylene	ND	0.0500	1	11/20/23	11/27/23	
Total Xylenes	ND	0.0250	1	11/20/23	11/27/23	
Surrogate: Bromofluorobenzene		*118 %*	*70-130*	*11/20/23*	*11/27/23*	
Surrogate: 1,2-Dichloroethane-d4		*93.2 %*	*70-130*	*11/20/23*	*11/27/23*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*11/20/23*	*11/27/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2347025
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/20/23	11/27/23	
Surrogate: Bromofluorobenzene		*118 %*	*70-130*	*11/20/23*	*11/27/23*	
Surrogate: 1,2-Dichloroethane-d4		*93.2 %*	*70-130*	*11/20/23*	*11/27/23*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*11/20/23*	*11/27/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2348015
Diesel Range Organics (C10-C28)	ND	25.0	1	11/27/23	11/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/27/23	11/27/23	
Surrogate: n-Nonane		*91.7 %*	*50-200*	*11/27/23*	*11/27/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2348046
Chloride	**86.8**	20.0	1	11/28/23	11/29/23	

Sample Data

Devon Energy	Project Name:	Mean Green 23 Fed 1H Battery	
PO Box 6459	Project Number:	01058-0007	**Reported:**
Navajo Dam NM, 87419	Project Manager:	Ashley Giovengo	11/29/2023 2:21:42PM

SS02-0'

E311157-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2347025
Benzene	ND	0.0250	1	11/20/23	11/27/23	
Ethylbenzene	ND	0.0250	1	11/20/23	11/27/23	
Toluene	ND	0.0250	1	11/20/23	11/27/23	
o-Xylene	ND	0.0250	1	11/20/23	11/27/23	
p,m-Xylene	ND	0.0500	1	11/20/23	11/27/23	
Total Xylenes	ND	0.0250	1	11/20/23	11/27/23	
Surrogate: Bromofluorobenzene		*117 %*	*70-130*	*11/20/23*	*11/27/23*	
Surrogate: 1,2-Dichloroethane-d4		*94.6 %*	*70-130*	*11/20/23*	*11/27/23*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*11/20/23*	*11/27/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2347025
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/20/23	11/27/23	
Surrogate: Bromofluorobenzene		*117 %*	*70-130*	*11/20/23*	*11/27/23*	
Surrogate: 1,2-Dichloroethane-d4		*94.6 %*	*70-130*	*11/20/23*	*11/27/23*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*11/20/23*	*11/27/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2348015
Diesel Range Organics (C10-C28)	ND	25.0	1	11/27/23	11/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/27/23	11/27/23	
Surrogate: n-Nonane		*85.7 %*	*50-200*	*11/27/23*	*11/27/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2348046
Chloride	**162**	20.0	1	11/28/23	11/29/23	

Sample Data

Devon Energy	Project Name:	Mean Green 23 Fed 1H Battery	
PO Box 6459	Project Number:	01058-0007	**Reported:**
Navajo Dam NM, 87419	Project Manager:	Ashley Giovengo	11/29/2023 2:21:42PM

SS03-0'

E311157-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2347025
Benzene	ND	0.0250	1	11/20/23	11/28/23	
Ethylbenzene	ND	0.0250	1	11/20/23	11/28/23	
Toluene	ND	0.0250	1	11/20/23	11/28/23	
o-Xylene	ND	0.0250	1	11/20/23	11/28/23	
p,m-Xylene	ND	0.0500	1	11/20/23	11/28/23	
Total Xylenes	ND	0.0250	1	11/20/23	11/28/23	
Surrogate: Bromofluorobenzene		*119 %*	*70-130*	*11/20/23*	*11/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*91.9 %*	*70-130*	*11/20/23*	*11/28/23*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*11/20/23*	*11/28/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2347025
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/20/23	11/28/23	
Surrogate: Bromofluorobenzene		*119 %*	*70-130*	*11/20/23*	*11/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*91.9 %*	*70-130*	*11/20/23*	*11/28/23*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*11/20/23*	*11/28/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2348015
Diesel Range Organics (C10-C28)	ND	25.0	1	11/27/23	11/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/27/23	11/27/23	
Surrogate: n-Nonane		*87.4 %*	*50-200*	*11/27/23*	*11/27/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2348046
Chloride	**632**	20.0	1	11/28/23	11/29/23	

Sample Data

Devon Energy	Project Name:	Mean Green 23 Fed 1H Battery	
PO Box 6459	Project Number:	01058-0007	**Reported:**
Navajo Dam NM, 87419	Project Manager:	Ashley Giovengo	11/29/2023 2:21:42PM

SS04-0'

E311157-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2347025
Benzene	ND	0.0250	1	11/20/23	11/28/23	
Ethylbenzene	ND	0.0250	1	11/20/23	11/28/23	
Toluene	ND	0.0250	1	11/20/23	11/28/23	
o-Xylene	ND	0.0250	1	11/20/23	11/28/23	
p,m-Xylene	ND	0.0500	1	11/20/23	11/28/23	
Total Xylenes	ND	0.0250	1	11/20/23	11/28/23	
Surrogate: Bromofluorobenzene		*117 %*	*70-130*	*11/20/23*	*11/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*95.0 %*	*70-130*	*11/20/23*	*11/28/23*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*11/20/23*	*11/28/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2347025
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/20/23	11/28/23	
Surrogate: Bromofluorobenzene		*117 %*	*70-130*	*11/20/23*	*11/28/23*	
Surrogate: 1,2-Dichloroethane-d4		*95.0 %*	*70-130*	*11/20/23*	*11/28/23*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*11/20/23*	*11/28/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2348015
Diesel Range Organics (C10-C28)	ND	25.0	1	11/27/23	11/27/23	
Oil Range Organics (C28-C36)	ND	50.0	1	11/27/23	11/27/23	
Surrogate: n-Nonane		*89.0 %*	*50-200*	*11/27/23*	*11/27/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA			Batch: 2348046
Chloride	ND	20.0	1	11/28/23	11/29/23	

QC Summary Data

Devon Energy	Project Name:	Mean Green 23 Fed 1H Battery	**Reported:**
PO Box 6459	Project Number:	01058-0007	
Navajo Dam NM, 87419	Project Manager:	Ashley Giovengo	11/29/2023 2:21:42PM

Volatile Organic Compounds by EPA 8260B

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2347025-BLK1)									Prepared: 11/20/23 Analyzed: 11/27/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	*0.591*		*0.500*		*118*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.445*		*0.500*		*88.9*	*70-130*			
Surrogate: Toluene-d8	*0.538*		*0.500*		*108*	*70-130*			
LCS (2347025-BS1)									Prepared: 11/20/23 Analyzed: 11/27/23
Benzene	2.85	0.0250	2.50		114	70-130			
Ethylbenzene	2.80	0.0250	2.50		112	70-130			
Toluene	2.76	0.0250	2.50		110	70-130			
o-Xylene	2.69	0.0250	2.50		108	70-130			
p,m-Xylene	5.41	0.0500	5.00		108	70-130			
Total Xylenes	8.10	0.0250	7.50		108	70-130			
Surrogate: Bromofluorobenzene	*0.597*		*0.500*		*119*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.494*		*0.500*		*98.7*	*70-130*			
Surrogate: Toluene-d8	*0.557*		*0.500*		*111*	*70-130*			
Matrix Spike (2347025-MS1)				**Source: E311158-16**					Prepared: 11/20/23 Analyzed: 11/27/23
Benzene	2.85	0.0250	2.50	ND	114	48-131			
Ethylbenzene	2.78	0.0250	2.50	ND	111	45-135			
Toluene	2.74	0.0250	2.50	ND	110	48-130			
o-Xylene	2.68	0.0250	2.50	ND	107	43-135			
p,m-Xylene	5.41	0.0500	5.00	ND	108	43-135			
Total Xylenes	8.10	0.0250	7.50	ND	108	43-135			
Surrogate: Bromofluorobenzene	*0.589*		*0.500*		*118*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.474*		*0.500*		*94.8*	*70-130*			
Surrogate: Toluene-d8	*0.547*		*0.500*		*109*	*70-130*			
Matrix Spike Dup (2347025-MSD1)				**Source: E311158-16**					Prepared: 11/20/23 Analyzed: 11/27/23
Benzene	2.82	0.0250	2.50	ND	113	48-131	0.987	23	
Ethylbenzene	2.74	0.0250	2.50	ND	110	45-135	1.61	27	
Toluene	2.71	0.0250	2.50	ND	108	48-130	1.34	24	
o-Xylene	2.70	0.0250	2.50	ND	108	43-135	0.669	27	
p,m-Xylene	5.41	0.0500	5.00	ND	108	43-135	0.120	27	
Total Xylenes	8.11	0.0250	7.50	ND	108	43-135	0.142	27	
Surrogate: Bromofluorobenzene	*0.609*		*0.500*		*122*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.474*		*0.500*		*94.7*	*70-130*			
Surrogate: Toluene-d8	*0.540*		*0.500*		*108*	*70-130*			

QC Summary Data

Devon Energy	Project Name:	Mean Green 23 Fed 1H Battery	**Reported:**
PO Box 6459	Project Number:	01058-0007	
Navajo Dam NM, 87419	Project Manager:	Ashley Giovengo	11/29/2023 2:21:42PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2347025-BLK1)									Prepared: 11/20/23 Analyzed: 11/27/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.591*		*0.500*		*118*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.445*		*0.500*		*88.9*	*70-130*			
Surrogate: Toluene-d8	*0.538*		*0.500*		*108*	*70-130*			
LCS (2347025-BS2)									Prepared: 11/20/23 Analyzed: 11/27/23
Gasoline Range Organics (C6-C10)	54.9	20.0	50.0		110	70-130			
Surrogate: Bromofluorobenzene	*0.602*		*0.500*		*120*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.484*		*0.500*		*96.7*	*70-130*			
Surrogate: Toluene-d8	*0.563*		*0.500*		*113*	*70-130*			
Matrix Spike (2347025-MS2)				**Source: E311158-16**					Prepared: 11/20/23 Analyzed: 11/27/23
Gasoline Range Organics (C6-C10)	54.0	20.0	50.0	ND	108	70-130			
Surrogate: Bromofluorobenzene	*0.589*		*0.500*		*118*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.461*		*0.500*		*92.1*	*70-130*			
Surrogate: Toluene-d8	*0.553*		*0.500*		*111*	*70-130*			
Matrix Spike Dup (2347025-MSD2)				**Source: E311158-16**					Prepared: 11/20/23 Analyzed: 11/27/23
Gasoline Range Organics (C6-C10)	55.8	20.0	50.0	ND	112	70-130	3.24	20	
Surrogate: Bromofluorobenzene	*0.611*		*0.500*		*122*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.466*		*0.500*		*93.1*	*70-130*			
Surrogate: Toluene-d8	*0.557*		*0.500*		*111*	*70-130*			

QC Summary Data

Devon Energy	Project Name:	Mean Green 23 Fed 1H Battery	**Reported:**
PO Box 6459	Project Number:	01058-0007	
Navajo Dam NM, 87419	Project Manager:	Ashley Giovengo	11/29/2023 2:21:42PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2348015-BLK1)									Prepared: 11/27/23 Analyzed: 11/27/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*46.1*		*50.0*		*92.1*	*50-200*			
LCS (2348015-BS1)									Prepared: 11/27/23 Analyzed: 11/27/23
Diesel Range Organics (C10-C28)	243	25.0	250		97.1	38-132			
Surrogate: n-Nonane	*46.3*		*50.0*		*92.5*	*50-200*			
Matrix Spike (2348015-MS1)				**Source: E311166-01**					Prepared: 11/27/23 Analyzed: 11/27/23
Diesel Range Organics (C10-C28)	241	25.0	250	ND	96.3	38-132			
Surrogate: n-Nonane	*47.2*		*50.0*		*94.4*	*50-200*			
Matrix Spike Dup (2348015-MSD1)				**Source: E311166-01**					Prepared: 11/27/23 Analyzed: 11/27/23
Diesel Range Organics (C10-C28)	243	25.0	250	ND	97.2	38-132	0.878	20	
Surrogate: n-Nonane	*42.1*		*50.0*		*84.2*	*50-200*			

QC Summary Data

Devon Energy	Project Name:	Mean Green 23 Fed 1H Battery	**Reported:**
PO Box 6459	Project Number:	01058-0007	
Navajo Dam NM, 87419	Project Manager:	Ashley Giovengo	11/29/2023 2:21:42PM

Anions by EPA 300.0/9056A

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2348046-BLK1)									Prepared: 11/28/23 Analyzed: 11/29/23
Chloride	ND	20.0							
LCS (2348046-BS1)									Prepared: 11/28/23 Analyzed: 11/29/23
Chloride	251	20.0	250		100	90-110			
Matrix Spike (2348046-MS1)				**Source: E311157-03**					Prepared: 11/28/23 Analyzed: 11/29/23
Chloride	920	20.0	250	632	115	80-120			
Matrix Spike Dup (2348046-MSD1)				**Source: E311157-03**					Prepared: 11/28/23 Analyzed: 11/29/23
Chloride	892	20.0	250	632	104	80-120	3.12	20	

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

Definitions and Notes

Devon Energy	Project Name:	Mean Green 23 Fed 1H Battery	
PO Box 6459	Project Number:	01058-0007	**Reported:**
Navajo Dam NM, 87419	Project Manager:	Ashley Giovengo	11/29/23 14:21

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

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

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

Project Information | Chain of Custody | Page __1__ of __1__

Client: Devon Energy	**Bill To**
Project: Mean Green 23 Fed 1H Battery	Attention: Dale Woodall
Project Manager: Ashley Giovengo	Address: 5315 Buena Vista Dr
Address: 3122 National Parks Hwy	City, State, Zip: Carlsbad NM, 88220
City, State, Zip: Carlsbad NM, 88220	Phone: (575)689-7597
Phone: 575-988-0055	Email: Dale.woodall@dvn.com
Email: agiovengo@ensolum.com	
Report due by:	

Lab Use Only

Lab WO#	Job Number
E311157	01058-0007

TAT

1D	2D	3D	Standard
			X

EPA Program

CWA	SDWA	RCRA

State

NM	CO	UT	AZ	TX	
X					

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	Remarks
13:09	11/16/2023	Soil	1	SS01 - 0'	1						X		
13:38	11/16/2023	Soil	1	SS02 -0'	2						X		
13:13	11/16/2023	Soil	1	SS03 - 0'	3						X		
12:10	11/16/2023	Soil	1	SS04 - 0'	4						X		

Additional Instructions: **Please CC: cburton@ensolum.com, agiovengo@ensolum.com, Dale.woodall@dvn.com, chamilton@ensolum.com, ehaft@ensolum.com - kept on ice**

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	11/17/23	0700		11-17-23	1015
	11-17-23	1700		11-17-23	1800
	11-17-23	2400		11-18-23	730

Lab Use Only

Received on ice: (Y) N

T1 _____ T2 _____ T3 _____

AVG Temp °C 4

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

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

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

envirotech

Envirotech Analytical Laboratory

Printed: 11/20/2023 10:44:34AM

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:	11/18/23 07:30	Work Order ID:	E311157
Phone:	(505)324-5600	Date Logged In:	11/17/23 15:18	Logged In By:	Jordan Montano
Email:		Due Date:	11/29/23 17:00 (5 day TAT)		

Chain of Custody (COC)

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

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

Report to:

Ashley Giovengo

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name:	Mean Green 23 Fed1H Battery
Work Order:	E312062
Job Number:	01058-0007
Received:	12/11/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
12/18/23

Date Reported: 12/18/23

Ashley Giovengo
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Mean Green 23 Fed1H Battery
Workorder: E312062
Date Received: 12/11/2023 7:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/11/2023 7:30:00AM, under the Project Name: Mean Green 23 Fed1H Battery.

The analytical test results summarized in this report with the Project Name: Mean Green 23 Fed1H Battery apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

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

Field Offices:

Southern New Mexico Area

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

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Devon Energy - Carlsbad	Project Name:	Mean Green 23 Fed1H Battery	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/18/23 11:35

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH01-0'	E312062-01A	Soil	12/07/23	12/11/23	Glass Jar, 2 oz.
BH01-1'	E312062-02A	Soil	12/07/23	12/11/23	Glass Jar, 2 oz.
BH01-2'	E312062-03A	Soil	12/07/23	12/11/23	Glass Jar, 2 oz.
BH02-0'	E312062-04A	Soil	12/07/23	12/11/23	Glass Jar, 2 oz.
BH02-2'	E312062-05A	Soil	12/07/23	12/11/23	Glass Jar, 2 oz.
BH02-3'	E312062-06A	Soil	12/07/23	12/11/23	Glass Jar, 2 oz.
BH03-0'	E312062-07A	Soil	12/07/23	12/11/23	Glass Jar, 2 oz.
BH03-1'	E312062-08A	Soil	12/07/23	12/11/23	Glass Jar, 2 oz.
BH03-2'	E312062-09A	Soil	12/07/23	12/11/23	Glass Jar, 2 oz.
BH04-0'	E312062-10A	Soil	12/07/23	12/11/23	Glass Jar, 2 oz.
BH04-1'	E312062-11A	Soil	12/07/23	12/11/23	Glass Jar, 2 oz.
BH04-2'	E312062-12A	Soil	12/07/23	12/11/23	Glass Jar, 2 oz.
BH05-0'	E312062-13A	Soil	12/07/23	12/11/23	Glass Jar, 2 oz.
BH05-1'	E312062-14A	Soil	12/07/23	12/11/23	Glass Jar, 2 oz.

Sample Data

Devon Energy - Carlsbad	Project Name:	Mean Green 23 Fed1H Battery	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/18/2023 11:35:48AM

BH01-0'

E312062-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2350023
Benzene	ND	0.0250	1	12/11/23	12/14/23	
Ethylbenzene	ND	0.0250	1	12/11/23	12/14/23	
Toluene	ND	0.0250	1	12/11/23	12/14/23	
o-Xylene	ND	0.0250	1	12/11/23	12/14/23	
p,m-Xylene	ND	0.0500	1	12/11/23	12/14/23	
Total Xylenes	ND	0.0250	1	12/11/23	12/14/23	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*12/11/23*	*12/14/23*	
Surrogate: 1,2-Dichloroethane-d4		*96.0 %*	*70-130*	*12/11/23*	*12/14/23*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*12/11/23*	*12/14/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2350023
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/11/23	12/14/23	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*12/11/23*	*12/14/23*	
Surrogate: 1,2-Dichloroethane-d4		*96.0 %*	*70-130*	*12/11/23*	*12/14/23*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*12/11/23*	*12/14/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2350071
Diesel Range Organics (C10-C28)	**1320**	500	20	12/14/23	12/16/23	
Oil Range Organics (C28-C36)	**2050**	1000	20	12/14/23	12/16/23	
Surrogate: n-Nonane		*84.2 %*	*50-200*	*12/14/23*	*12/16/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2350019
Chloride	ND	20.0	1	12/11/23	12/12/23	

Sample Data

Devon Energy - Carlsbad	Project Name:	Mean Green 23 Fed1H Battery	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/18/2023 11:35:48AM

BH01-1'

E312062-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2350023
Benzene	ND	0.0250	1	12/11/23	12/14/23	
Ethylbenzene	ND	0.0250	1	12/11/23	12/14/23	
Toluene	ND	0.0250	1	12/11/23	12/14/23	
o-Xylene	ND	0.0250	1	12/11/23	12/14/23	
p,m-Xylene	ND	0.0500	1	12/11/23	12/14/23	
Total Xylenes	ND	0.0250	1	12/11/23	12/14/23	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*12/11/23*	*12/14/23*	
Surrogate: 1,2-Dichloroethane-d4		*97.1 %*	*70-130*	*12/11/23*	*12/14/23*	
Surrogate: Toluene-d8		*110 %*	*70-130*	*12/11/23*	*12/14/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2350023
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/11/23	12/14/23	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*12/11/23*	*12/14/23*	
Surrogate: 1,2-Dichloroethane-d4		*97.1 %*	*70-130*	*12/11/23*	*12/14/23*	
Surrogate: Toluene-d8		*110 %*	*70-130*	*12/11/23*	*12/14/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2350071
Diesel Range Organics (C10-C28)	ND	25.0	1	12/14/23	12/16/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/14/23	12/16/23	
Surrogate: n-Nonane		*92.3 %*	*50-200*	*12/14/23*	*12/16/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2350019
Chloride	ND	20.0	1	12/11/23	12/12/23	

Sample Data

Devon Energy - Carlsbad	Project Name:	Mean Green 23 Fed1H Battery	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/18/2023 11:35:48AM

BH01-2'

E312062-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2350023
Benzene	ND	0.0250	1	12/11/23	12/14/23	
Ethylbenzene	ND	0.0250	1	12/11/23	12/14/23	
Toluene	ND	0.0250	1	12/11/23	12/14/23	
o-Xylene	ND	0.0250	1	12/11/23	12/14/23	
p,m-Xylene	ND	0.0500	1	12/11/23	12/14/23	
Total Xylenes	ND	0.0250	1	12/11/23	12/14/23	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*12/11/23*	*12/14/23*	
Surrogate: 1,2-Dichloroethane-d4		*99.3 %*	*70-130*	*12/11/23*	*12/14/23*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*12/11/23*	*12/14/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2350023
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/11/23	12/14/23	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*12/11/23*	*12/14/23*	
Surrogate: 1,2-Dichloroethane-d4		*99.3 %*	*70-130*	*12/11/23*	*12/14/23*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*12/11/23*	*12/14/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2350071
Diesel Range Organics (C10-C28)	ND	25.0	1	12/14/23	12/16/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/14/23	12/16/23	
Surrogate: n-Nonane		*89.9 %*	*50-200*	*12/14/23*	*12/16/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2350019
Chloride	ND	20.0	1	12/11/23	12/12/23	

Sample Data

Devon Energy - Carlsbad	Project Name:	Mean Green 23 Fed1H Battery	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/18/2023 11:35:48AM

BH02-0'

E312062-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2350023
Benzene	ND	0.0250	1	12/11/23	12/14/23	
Ethylbenzene	ND	0.0250	1	12/11/23	12/14/23	
Toluene	ND	0.0250	1	12/11/23	12/14/23	
o-Xylene	ND	0.0250	1	12/11/23	12/14/23	
p,m-Xylene	ND	0.0500	1	12/11/23	12/14/23	
Total Xylenes	ND	0.0250	1	12/11/23	12/14/23	
Surrogate: Bromofluorobenzene		*105 %*	*70-130*	*12/11/23*	*12/14/23*	
Surrogate: 1,2-Dichloroethane-d4		*94.9 %*	*70-130*	*12/11/23*	*12/14/23*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*12/11/23*	*12/14/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2350023
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/11/23	12/14/23	
Surrogate: Bromofluorobenzene		*105 %*	*70-130*	*12/11/23*	*12/14/23*	
Surrogate: 1,2-Dichloroethane-d4		*94.9 %*	*70-130*	*12/11/23*	*12/14/23*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*12/11/23*	*12/14/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2350071
Diesel Range Organics (C10-C28)	**2730**	500	20	12/14/23	12/16/23	
Oil Range Organics (C28-C36)	**3550**	1000	20	12/14/23	12/16/23	
Surrogate: n-Nonane		*88.6 %*	*50-200*	*12/14/23*	*12/16/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2350019
Chloride	ND	20.0	1	12/11/23	12/12/23	

Sample Data

Devon Energy - Carlsbad	Project Name:	Mean Green 23 Fed1H Battery	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/18/2023 11:35:48AM

BH02-2'

E312062-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2350023
Benzene	ND	0.0250	1	12/11/23	12/14/23	
Ethylbenzene	ND	0.0250	1	12/11/23	12/14/23	
Toluene	ND	0.0250	1	12/11/23	12/14/23	
o-Xylene	ND	0.0250	1	12/11/23	12/14/23	
p,m-Xylene	ND	0.0500	1	12/11/23	12/14/23	
Total Xylenes	ND	0.0250	1	12/11/23	12/14/23	
Surrogate: Bromofluorobenzene		*106 %*	*70-130*	*12/11/23*	*12/14/23*	
Surrogate: 1,2-Dichloroethane-d4		*95.0 %*	*70-130*	*12/11/23*	*12/14/23*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*12/11/23*	*12/14/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2350023
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/11/23	12/14/23	
Surrogate: Bromofluorobenzene		*106 %*	*70-130*	*12/11/23*	*12/14/23*	
Surrogate: 1,2-Dichloroethane-d4		*95.0 %*	*70-130*	*12/11/23*	*12/14/23*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*12/11/23*	*12/14/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2350071
Diesel Range Organics (C10-C28)	ND	25.0	1	12/14/23	12/16/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/14/23	12/16/23	
Surrogate: n-Nonane		*95.1 %*	*50-200*	*12/14/23*	*12/16/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2350019
Chloride	ND	20.0	1	12/11/23	12/12/23	

Sample Data

Devon Energy - Carlsbad	Project Name:	Mean Green 23 Fed1H Battery	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/18/2023 11:35:48AM

BH02-3'

E312062-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2350023
Benzene	ND	0.0250	1	12/11/23	12/13/23	
Ethylbenzene	ND	0.0250	1	12/11/23	12/13/23	
Toluene	ND	0.0250	1	12/11/23	12/13/23	
o-Xylene	ND	0.0250	1	12/11/23	12/13/23	
p,m-Xylene	ND	0.0500	1	12/11/23	12/13/23	
Total Xylenes	ND	0.0250	1	12/11/23	12/13/23	
Surrogate: Bromofluorobenzene		*106 %*	*70-130*	*12/11/23*	*12/13/23*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*12/11/23*	*12/13/23*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*12/11/23*	*12/13/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2350023
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/11/23	12/13/23	
Surrogate: Bromofluorobenzene		*106 %*	*70-130*	*12/11/23*	*12/13/23*	
Surrogate: 1,2-Dichloroethane-d4		*101 %*	*70-130*	*12/11/23*	*12/13/23*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*12/11/23*	*12/13/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2350071
Diesel Range Organics (C10-C28)	ND	25.0	1	12/14/23	12/16/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/14/23	12/16/23	
Surrogate: n-Nonane		*98.4 %*	*50-200*	*12/14/23*	*12/16/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2350019
Chloride	ND	20.0	1	12/11/23	12/12/23	

Sample Data

Devon Energy - Carlsbad	Project Name:	Mean Green 23 Fed1H Battery	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/18/2023 11:35:48AM

BH03-0'

E312062-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2350023
Benzene	ND	0.0250	1	12/11/23	12/14/23	
Ethylbenzene	ND	0.0250	1	12/11/23	12/14/23	
Toluene	ND	0.0250	1	12/11/23	12/14/23	
o-Xylene	ND	0.0250	1	12/11/23	12/14/23	
p,m-Xylene	ND	0.0500	1	12/11/23	12/14/23	
Total Xylenes	ND	0.0250	1	12/11/23	12/14/23	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*12/11/23*	*12/14/23*	
Surrogate: 1,2-Dichloroethane-d4		*98.6 %*	*70-130*	*12/11/23*	*12/14/23*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*12/11/23*	*12/14/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2350023
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/11/23	12/14/23	
Surrogate: Bromofluorobenzene		*104 %*	*70-130*	*12/11/23*	*12/14/23*	
Surrogate: 1,2-Dichloroethane-d4		*98.6 %*	*70-130*	*12/11/23*	*12/14/23*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*12/11/23*	*12/14/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2350071
Diesel Range Organics (C10-C28)	ND	25.0	1	12/14/23	12/16/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/14/23	12/16/23	
Surrogate: n-Nonane		*96.8 %*	*50-200*	*12/14/23*	*12/16/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2350019
Chloride	ND	20.0	1	12/11/23	12/12/23	

Sample Data

Devon Energy - Carlsbad	Project Name:	Mean Green 23 Fed1H Battery	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/18/2023 11:35:48AM

BH03-1'

E312062-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2350023
Benzene	ND	0.0250	1	12/11/23	12/14/23	
Ethylbenzene	ND	0.0250	1	12/11/23	12/14/23	
Toluene	ND	0.0250	1	12/11/23	12/14/23	
o-Xylene	ND	0.0250	1	12/11/23	12/14/23	
p,m-Xylene	ND	0.0500	1	12/11/23	12/14/23	
Total Xylenes	ND	0.0250	1	12/11/23	12/14/23	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*12/11/23*	*12/14/23*	
Surrogate: 1,2-Dichloroethane-d4		*99.3 %*	*70-130*	*12/11/23*	*12/14/23*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*12/11/23*	*12/14/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2350023
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/11/23	12/14/23	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*12/11/23*	*12/14/23*	
Surrogate: 1,2-Dichloroethane-d4		*99.3 %*	*70-130*	*12/11/23*	*12/14/23*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*12/11/23*	*12/14/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2350071
Diesel Range Organics (C10-C28)	ND	25.0	1	12/14/23	12/16/23	
Oil Range Organics (C28-C36)	**55.6**	50.0	1	12/14/23	12/16/23	
Surrogate: n-Nonane		*96.0 %*	*50-200*	*12/14/23*	*12/16/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2350019
Chloride	ND	20.0	1	12/11/23	12/12/23	

Sample Data

Devon Energy - Carlsbad	Project Name:	Mean Green 23 Fed1H Battery	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/18/2023 11:35:48AM

BH03-2'

E312062-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RKS			Batch: 2350023
Benzene	ND	0.0250	1	12/11/23	12/14/23	
Ethylbenzene	ND	0.0250	1	12/11/23	12/14/23	
Toluene	ND	0.0250	1	12/11/23	12/14/23	
o-Xylene	ND	0.0250	1	12/11/23	12/14/23	
p,m-Xylene	ND	0.0500	1	12/11/23	12/14/23	
Total Xylenes	ND	0.0250	1	12/11/23	12/14/23	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*12/11/23*	*12/14/23*	
Surrogate: 1,2-Dichloroethane-d4		*99.7 %*	*70-130*	*12/11/23*	*12/14/23*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*12/11/23*	*12/14/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2350023
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/11/23	12/14/23	
Surrogate: Bromofluorobenzene		*102 %*	*70-130*	*12/11/23*	*12/14/23*	
Surrogate: 1,2-Dichloroethane-d4		*99.7 %*	*70-130*	*12/11/23*	*12/14/23*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*12/11/23*	*12/14/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2350071
Diesel Range Organics (C10-C28)	ND	25.0	1	12/14/23	12/16/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/14/23	12/16/23	
Surrogate: n-Nonane		*98.0 %*	*50-200*	*12/14/23*	*12/16/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2350019
Chloride	ND	20.0	1	12/11/23	12/12/23	

Sample Data

Devon Energy - Carlsbad	Project Name:	Mean Green 23 Fed1H Battery	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/18/2023 11:35:48AM

BH04-0'

E312062-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2350023
Benzene	ND	0.0250	1	12/11/23	12/14/23	
Ethylbenzene	ND	0.0250	1	12/11/23	12/14/23	
Toluene	ND	0.0250	1	12/11/23	12/14/23	
o-Xylene	ND	0.0250	1	12/11/23	12/14/23	
p,m-Xylene	ND	0.0500	1	12/11/23	12/14/23	
Total Xylenes	ND	0.0250	1	12/11/23	12/14/23	
Surrogate: Bromofluorobenzene		*107 %*	*70-130*	*12/11/23*	*12/14/23*	
Surrogate: 1,2-Dichloroethane-d4		*97.7 %*	*70-130*	*12/11/23*	*12/14/23*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*12/11/23*	*12/14/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2350023
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/11/23	12/14/23	
Surrogate: Bromofluorobenzene		*107 %*	*70-130*	*12/11/23*	*12/14/23*	
Surrogate: 1,2-Dichloroethane-d4		*97.7 %*	*70-130*	*12/11/23*	*12/14/23*	
Surrogate: Toluene-d8		*107 %*	*70-130*	*12/11/23*	*12/14/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2350071
Diesel Range Organics (C10-C28)	**548**	50.0	2	12/14/23	12/16/23	
Oil Range Organics (C28-C36)	**613**	100	2	12/14/23	12/16/23	
Surrogate: n-Nonane		*92.8 %*	*50-200*	*12/14/23*	*12/16/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2350019
Chloride	**31.5**	20.0	1	12/11/23	12/12/23	

Sample Data

Devon Energy - Carlsbad	Project Name:	Mean Green 23 Fed1H Battery	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/18/2023 11:35:48AM

BH04-1'

E312062-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2350023
Benzene	ND	0.0250	1	12/11/23	12/14/23	
Ethylbenzene	ND	0.0250	1	12/11/23	12/14/23	
Toluene	ND	0.0250	1	12/11/23	12/14/23	
o-Xylene	ND	0.0250	1	12/11/23	12/14/23	
p,m-Xylene	ND	0.0500	1	12/11/23	12/14/23	
Total Xylenes	ND	0.0250	1	12/11/23	12/14/23	
Surrogate: Bromofluorobenzene		*108 %*	*70-130*	*12/11/23*	*12/14/23*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*12/11/23*	*12/14/23*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*12/11/23*	*12/14/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2350023
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/11/23	12/14/23	
Surrogate: Bromofluorobenzene		*108 %*	*70-130*	*12/11/23*	*12/14/23*	
Surrogate: 1,2-Dichloroethane-d4		*100 %*	*70-130*	*12/11/23*	*12/14/23*	
Surrogate: Toluene-d8		*105 %*	*70-130*	*12/11/23*	*12/14/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2350071
Diesel Range Organics (C10-C28)	ND	25.0	1	12/14/23	12/16/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/14/23	12/16/23	
Surrogate: n-Nonane		*95.6 %*	*50-200*	*12/14/23*	*12/16/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2350019
Chloride	ND	20.0	1	12/11/23	12/12/23	

Sample Data

Devon Energy - Carlsbad	Project Name:	Mean Green 23 Fed1H Battery	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/18/2023 11:35:48AM

BH04-2'

E312062-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2350023
Benzene	ND	0.0250	1	12/11/23	12/14/23	
Ethylbenzene	ND	0.0250	1	12/11/23	12/14/23	
Toluene	ND	0.0250	1	12/11/23	12/14/23	
o-Xylene	ND	0.0250	1	12/11/23	12/14/23	
p,m-Xylene	ND	0.0500	1	12/11/23	12/14/23	
Total Xylenes	ND	0.0250	1	12/11/23	12/14/23	
Surrogate: Bromofluorobenzene		*108 %*	*70-130*	*12/11/23*	*12/14/23*	
Surrogate: 1,2-Dichloroethane-d4		*97.6 %*	*70-130*	*12/11/23*	*12/14/23*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*12/11/23*	*12/14/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2350023
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/11/23	12/14/23	
Surrogate: Bromofluorobenzene		*108 %*	*70-130*	*12/11/23*	*12/14/23*	
Surrogate: 1,2-Dichloroethane-d4		*97.6 %*	*70-130*	*12/11/23*	*12/14/23*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*12/11/23*	*12/14/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2350071
Diesel Range Organics (C10-C28)	ND	25.0	1	12/14/23	12/16/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/14/23	12/16/23	
Surrogate: n-Nonane		*94.0 %*	*50-200*	*12/14/23*	*12/16/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2350019
Chloride	**115**	20.0	1	12/11/23	12/12/23	

Sample Data

Devon Energy - Carlsbad	Project Name:	Mean Green 23 Fed1H Battery	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/18/2023 11:35:48AM

BH05-0'

E312062-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2350023
Benzene	ND	0.0250	1	12/11/23	12/14/23	
Ethylbenzene	ND	0.0250	1	12/11/23	12/14/23	
Toluene	ND	0.0250	1	12/11/23	12/14/23	
o-Xylene	ND	0.0250	1	12/11/23	12/14/23	
p,m-Xylene	ND	0.0500	1	12/11/23	12/14/23	
Total Xylenes	ND	0.0250	1	12/11/23	12/14/23	
Surrogate: Bromofluorobenzene		*106 %*	*70-130*	*12/11/23*	*12/14/23*	
Surrogate: 1,2-Dichloroethane-d4		*95.7 %*	*70-130*	*12/11/23*	*12/14/23*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*12/11/23*	*12/14/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2350023
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/11/23	12/14/23	
Surrogate: Bromofluorobenzene		*106 %*	*70-130*	*12/11/23*	*12/14/23*	
Surrogate: 1,2-Dichloroethane-d4		*95.7 %*	*70-130*	*12/11/23*	*12/14/23*	
Surrogate: Toluene-d8		*108 %*	*70-130*	*12/11/23*	*12/14/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2350071
Diesel Range Organics (C10-C28)	**178**	125	5	12/14/23	12/16/23	
Oil Range Organics (C28-C36)	**429**	250	5	12/14/23	12/16/23	
Surrogate: n-Nonane		*87.7 %*	*50-200*	*12/14/23*	*12/16/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2350019
Chloride	**49.2**	20.0	1	12/11/23	12/12/23	

Sample Data

Devon Energy - Carlsbad	Project Name:	Mean Green 23 Fed1H Battery	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/18/2023 11:35:48AM

BH05-1'

E312062-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: RAS			Batch: 2350023
Benzene	ND	0.0250	1	12/11/23	12/14/23	
Ethylbenzene	ND	0.0250	1	12/11/23	12/14/23	
Toluene	ND	0.0250	1	12/11/23	12/14/23	
o-Xylene	ND	0.0250	1	12/11/23	12/14/23	
p,m-Xylene	ND	0.0500	1	12/11/23	12/14/23	
Total Xylenes	ND	0.0250	1	12/11/23	12/14/23	
Surrogate: Bromofluorobenzene		*106 %*	*70-130*	*12/11/23*	*12/14/23*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*12/11/23*	*12/14/23*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*12/11/23*	*12/14/23*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RAS			Batch: 2350023
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/11/23	12/14/23	
Surrogate: Bromofluorobenzene		*106 %*	*70-130*	*12/11/23*	*12/14/23*	
Surrogate: 1,2-Dichloroethane-d4		*102 %*	*70-130*	*12/11/23*	*12/14/23*	
Surrogate: Toluene-d8		*106 %*	*70-130*	*12/11/23*	*12/14/23*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2350071
Diesel Range Organics (C10-C28)	ND	25.0	1	12/14/23	12/16/23	
Oil Range Organics (C28-C36)	ND	50.0	1	12/14/23	12/16/23	
Surrogate: n-Nonane		*95.1 %*	*50-200*	*12/14/23*	*12/16/23*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2350019
Chloride	**52.1**	20.0	1	12/11/23	12/12/23	

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Mean Green 23 Fed1H Battery	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/18/2023 11:35:48AM

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2350023-BLK1)									Prepared: 12/11/23 Analyzed: 12/13/23
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	*0.521*		*0.500*		*104*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.486*		*0.500*		*97.1*	*70-130*			
Surrogate: Toluene-d8	*0.538*		*0.500*		*108*	*70-130*			
LCS (2350023-BS1)									Prepared: 12/11/23 Analyzed: 12/13/23
Benzene	2.68	0.0250	2.50		107	70-130			
Ethylbenzene	2.78	0.0250	2.50		111	70-130			
Toluene	2.75	0.0250	2.50		110	70-130			
o-Xylene	2.69	0.0250	2.50		108	70-130			
p,m-Xylene	5.40	0.0500	5.00		108	70-130			
Total Xylenes	8.09	0.0250	7.50		108	70-130			
Surrogate: Bromofluorobenzene	*0.523*		*0.500*		*105*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.498*		*0.500*		*99.5*	*70-130*			
Surrogate: Toluene-d8	*0.525*		*0.500*		*105*	*70-130*			
Matrix Spike (2350023-MS1)				**Source: E312062-06**					Prepared: 12/11/23 Analyzed: 12/13/23
Benzene	2.87	0.0250	2.50	ND	115	48-131			
Ethylbenzene	2.78	0.0250	2.50	ND	111	45-135			
Toluene	2.77	0.0250	2.50	ND	111	48-130			
o-Xylene	2.78	0.0250	2.50	ND	111	43-135			
p,m-Xylene	5.59	0.0500	5.00	ND	112	43-135			
Total Xylenes	8.37	0.0250	7.50	ND	112	43-135			
Surrogate: Bromofluorobenzene	*0.524*		*0.500*		*105*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.477*		*0.500*		*95.3*	*70-130*			
Surrogate: Toluene-d8	*0.512*		*0.500*		*102*	*70-130*			
Matrix Spike Dup (2350023-MSD1)				**Source: E312062-06**					Prepared: 12/11/23 Analyzed: 12/13/23
Benzene	2.49	0.0250	2.50	ND	99.4	48-131	14.4	23	
Ethylbenzene	2.57	0.0250	2.50	ND	103	45-135	7.99	27	
Toluene	2.53	0.0250	2.50	ND	101	48-130	9.36	24	
o-Xylene	2.51	0.0250	2.50	ND	100	43-135	10.1	27	
p,m-Xylene	4.95	0.0500	5.00	ND	98.9	43-135	12.3	27	
Total Xylenes	7.46	0.0250	7.50	ND	99.4	43-135	11.6	27	
Surrogate: Bromofluorobenzene	*0.523*		*0.500*		*105*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.493*		*0.500*		*98.5*	*70-130*			
Surrogate: Toluene-d8	*0.524*		*0.500*		*105*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Mean Green 23 Fed1H Battery	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/18/2023 11:35:48AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2350023-BLK1)									Prepared: 12/11/23 Analyzed: 12/13/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	*0.521*		*0.500*		*104*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.486*		*0.500*		*97.1*	*70-130*			
Surrogate: Toluene-d8	*0.538*		*0.500*		*108*	*70-130*			
LCS (2350023-BS2)									Prepared: 12/11/23 Analyzed: 12/13/23
Gasoline Range Organics (C6-C10)	41.0	20.0	50.0		82.0	70-130			
Surrogate: Bromofluorobenzene	*0.540*		*0.500*		*108*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.497*		*0.500*		*99.4*	*70-130*			
Surrogate: Toluene-d8	*0.539*		*0.500*		*108*	*70-130*			
Matrix Spike (2350023-MS2)				**Source: E312062-06**					Prepared: 12/11/23 Analyzed: 12/13/23
Gasoline Range Organics (C6-C10)	38.7	20.0	50.0	ND	77.3	70-130			
Surrogate: Bromofluorobenzene	*0.524*		*0.500*		*105*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.487*		*0.500*		*97.3*	*70-130*			
Surrogate: Toluene-d8	*0.537*		*0.500*		*107*	*70-130*			
Matrix Spike Dup (2350023-MSD2)				**Source: E312062-06**					Prepared: 12/11/23 Analyzed: 12/13/23
Gasoline Range Organics (C6-C10)	38.5	20.0	50.0	ND	76.9	70-130	0.530	20	
Surrogate: Bromofluorobenzene	*0.529*		*0.500*		*106*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*0.498*		*0.500*		*99.6*	*70-130*			
Surrogate: Toluene-d8	*0.530*		*0.500*		*106*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Mean Green 23 Fed1H Battery	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/18/2023 11:35:48AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2350071-BLK1)									Prepared: 12/14/23 Analyzed: 12/15/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*50.2*		*50.0*		*100*	*50-200*			
LCS (2350071-BS1)									Prepared: 12/14/23 Analyzed: 12/15/23
Diesel Range Organics (C10-C28)	246	25.0	250		98.4	38-132			
Surrogate: n-Nonane	*51.0*		*50.0*		*102*	*50-200*			
Matrix Spike (2350071-MS1)				**Source: E312056-04**					Prepared: 12/14/23 Analyzed: 12/15/23
Diesel Range Organics (C10-C28)	243	25.0	250	ND	97.3	38-132			
Surrogate: n-Nonane	*53.2*		*50.0*		*106*	*50-200*			
Matrix Spike Dup (2350071-MSD1)				**Source: E312056-04**					Prepared: 12/14/23 Analyzed: 12/15/23
Diesel Range Organics (C10-C28)	244	25.0	250	ND	97.6	38-132	0.292	20	
Surrogate: n-Nonane	*49.1*		*50.0*		*98.2*	*50-200*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Mean Green 23 Fed1H Battery	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/18/2023 11:35:48AM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2350019-BLK1)									Prepared: 12/11/23 Analyzed: 12/12/23
Chloride	ND	20.0							
LCS (2350019-BS1)									Prepared: 12/11/23 Analyzed: 12/12/23
Chloride	250	20.0	250		99.9	90-110			
Matrix Spike (2350019-MS1)				**Source: E312062-04**					Prepared: 12/11/23 Analyzed: 12/12/23
Chloride	249	20.0	250	ND	99.6	80-120			
Matrix Spike Dup (2350019-MSD1)				**Source: E312062-04**					Prepared: 12/11/23 Analyzed: 12/12/23
Chloride	248	20.0	250	ND	99.2	80-120	0.323	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:	Mean Green 23 Fed1H Battery	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	12/18/23 11:35

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.

Project Information | Chain of Custody | Page 1 of 2

Client: Devon Energy	**Bill To**
Project: Mean Green 23 Fed 1H Battery	Attention: Dale Woodall
Project Manager: Ashley Giovengo	Address: 5315 Buena Vista Dr
Address: 3122 National Parks Hwy	City, State, Zip: Carlsbad NM, 88220
City, State, Zip: Carlsbad NM, 88220	Phone: (575)689-7597
Phone: 575-988-0055	Email: Dale.woodall@dvn.com
Email: agiovengo@ensolum.com	
Report due by:	

Lab Use Only		TAT				EPA Program	
Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA
E312062	01058-0007				X		
							RCRA

State					
NM	CO	UT	AZ	TX	
X					

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	Remarks
10:22	12/7/2023	Soil	1	BH01 - 0'	1						X		
10:36	12/7/2023	Soil	1	BH01 - 1'	2						X		
10:55	12/7/2023	Soil	1	BH01 - 2'	3						X		
11:37	12/7/2023	Soil	1	BH02 - 0'	4						X		
12:53	12/7/2023	Soil	1	BH02 - 2'	5						X		
12:56	12/7/2023	Soil	1	BH02 - 3'	6						X		
11:56	12/7/2023	Soil	1	BH03 - 0'	7						X		
12:05	12/7/2023	Soil	1	BH03 - 1'	8						X		
12:12	12/7/2023	Soil	1	BH03 - 2'	9						X		
12:20	12/7/2023	Soil	1	BH04 - 0'	10						X		

Additional Instructions: **Please CC: cburton@ensolum.com, agiovengo@ensolum.com, Dale.woodall@dvn.com, chamilton@ensolum.com, ehaft@ensolum.com - kept on ice**

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	12/8/23	0700	Michelle Gaylk	12-8-23	0945
Michelle Gaylk	12-8-23	1515	Andrew Hess	12.9.23	1500
Andrew Hess	12.9.23	2100		12/11/23	7:30

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

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

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

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

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Project Information | Chain of Custody | Page 2 of 2

Client: Devon Energy	**Bill To**
Project: Mean Green 23 Fed 1H Battery	Attention: Dale Woodall
Project Manager: Ashley Giovengo	Address: 5315 Buena Vista Dr
Address: 3122 National Parks Hwy	City, State, Zip: Carlsbad NM, 88220
City, State, Zip: Carlsbad NM, 88220	Phone: (575)689-7597
Phone: 575-988-0055	Email: Dale.woodall@dvn.com
Email: agiovengo@ensolum.com	
Report due by:	

Lab Use Only		TAT				EPA Program	
Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA
E312062	01058-0007				X		
							RCRA
						State	
						NM	CO	UT	AZ	TX	
						X					

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	Remarks
12:36	12/7/2023	Soil	1	BH04 - 1'	11						X		
13:49	12/7/2023	Soil	1	BH04 - 2'	12						X		
10:20	12/7/2023	Soil	1	BH05 - 0'	13						X		
10:40	12/7/2023	Soil	1	BH05 -1'	14						X		

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

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	12/8/23	0700		12-8-23	0945
	12-8-23	1515		12.9.23	1500
	12.9.23	2100		12/11/23	7:30

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

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

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

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

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Envirotech Analytical Laboratory

Printed: 12/11/2023 10:34:55AM

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:	12/11/23 07:30	Work Order ID:	E312062
Phone:	(505)324-5600	Date Logged In:	12/11/23 08:07	Logged In By:	Jordan Montano
Email:		Due Date:	12/18/23 17:00 (5 day TAT)		

Chain of Custody (COC)

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

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

Report to:

Ashley Giovengo

5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name:	Mean Green 23 Fed1H Battery
Work Order:	E401141
Job Number:	01058-0007
Received:	1/23/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
1/29/24

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: 1/29/24

Ashley Giovengo
6488 7 Rivers Hwy
Artesia, NM 88210

Project Name: Mean Green 23 Fed1H Battery
Workorder: E401141
Date Received: 1/23/2024 6:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/23/2024 6:00:00AM, under the Project Name: Mean Green 23 Fed1H Battery.

The analytical test results summarized in this report with the Project Name: Mean Green 23 Fed1H Battery apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

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

Field Offices:

Southern New Mexico Area

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

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

Devon Energy - Carlsbad	Project Name:	Mean Green 23 Fed1H Battery	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	01/29/24 09:35

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS03 - 0'	E401141-01A	Soil	01/19/24	01/23/24	Glass Jar, 2 oz.

Sample Data

Devon Energy - Carlsbad	Project Name:	Mean Green 23 Fed1H Battery	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	1/29/2024 9:35:27AM

SS03 - 0'

E401141-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: EG			Batch: 2404028
Benzene	ND	0.0250	1	01/23/24	01/24/24	
Ethylbenzene	ND	0.0250	1	01/23/24	01/24/24	
Toluene	ND	0.0250	1	01/23/24	01/24/24	
o-Xylene	ND	0.0250	1	01/23/24	01/24/24	
p,m-Xylene	ND	0.0500	1	01/23/24	01/24/24	
Total Xylenes	ND	0.0250	1	01/23/24	01/24/24	
Surrogate: 4-Bromochlorobenzene-PID		*94.7 %*	*70-130*	*01/23/24*	*01/24/24*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: EG			Batch: 2404028
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/23/24	01/24/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.7 %*	*70-130*	*01/23/24*	*01/24/24*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM			Batch: 2404042
Diesel Range Organics (C10-C28)	ND	25.0	1	01/24/24	01/25/24	
Oil Range Organics (C28-C36)	ND	50.0	1	01/24/24	01/25/24	
Surrogate: n-Nonane		*106 %*	*50-200*	*01/24/24*	*01/25/24*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2404039
Chloride	**130**	20.0	1	01/24/24	01/24/24	

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Mean Green 23 Fed1H Battery	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	1/29/2024 9:35:27AM

Volatile Organics by EPA 8021B

Analyst: EG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2404028-BLK1)									Prepared: 01/23/24 Analyzed: 01/23/24
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	*7.77*		*8.00*		*97.1*	*70-130*			
LCS (2404028-BS1)									Prepared: 01/23/24 Analyzed: 01/24/24
Benzene	4.41	0.0250	5.00		88.2	70-130			
Ethylbenzene	4.32	0.0250	5.00		86.5	70-130			
Toluene	4.39	0.0250	5.00		87.7	70-130			
o-Xylene	4.35	0.0250	5.00		87.0	70-130			
p,m-Xylene	8.81	0.0500	10.0		88.1	70-130			
Total Xylenes	13.2	0.0250	15.0		87.8	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.71*		*8.00*		*96.4*	*70-130*			
Matrix Spike (2404028-MS1)				**Source: E401126-08**					Prepared: 01/23/24 Analyzed: 01/24/24
Benzene	4.87	0.0250	5.00	ND	97.4	54-133			
Ethylbenzene	4.77	0.0250	5.00	ND	95.4	61-133			
Toluene	4.84	0.0250	5.00	ND	96.8	61-130			
o-Xylene	4.79	0.0250	5.00	ND	95.9	63-131			
p,m-Xylene	9.69	0.0500	10.0	ND	96.9	63-131			
Total Xylenes	14.5	0.0250	15.0	ND	96.6	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.71*		*8.00*		*96.4*	*70-130*			
Matrix Spike Dup (2404028-MSD1)				**Source: E401126-08**					Prepared: 01/23/24 Analyzed: 01/24/24
Benzene	5.05	0.0250	5.00	ND	101	54-133	3.67	20	
Ethylbenzene	4.97	0.0250	5.00	ND	99.3	61-133	3.99	20	
Toluene	5.03	0.0250	5.00	ND	101	61-130	3.78	20	
o-Xylene	4.98	0.0250	5.00	ND	99.5	63-131	3.73	20	
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131	3.98	20	
Total Xylenes	15.1	0.0250	15.0	ND	100	63-131	3.90	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.64*		*8.00*		*95.5*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Mean Green 23 Fed1H Battery	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	1/29/2024 9:35:27AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: EG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2404028-BLK1)									Prepared: 01/23/24 Analyzed: 01/23/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.45*		*8.00*		*93.2*	*70-130*			
LCS (2404028-BS2)									Prepared: 01/23/24 Analyzed: 01/24/24
Gasoline Range Organics (C6-C10)	46.5	20.0	50.0		93.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.59*		*8.00*		*94.9*	*70-130*			
Matrix Spike (2404028-MS2)				**Source: E401126-08**					Prepared: 01/23/24 Analyzed: 01/24/24
Gasoline Range Organics (C6-C10)	45.6	20.0	50.0	ND	91.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.68*		*8.00*		*96.1*	*70-130*			
Matrix Spike Dup (2404028-MSD2)				**Source: E401126-08**					Prepared: 01/23/24 Analyzed: 01/24/24
Gasoline Range Organics (C6-C10)	48.6	20.0	50.0	ND	97.2	70-130	6.44	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.71*		*8.00*		*96.3*	*70-130*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Mean Green 23 Fed1H Battery	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	1/29/2024 9:35:27AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2404042-BLK1)									Prepared: 01/24/24 Analyzed: 01/24/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*52.4*		*50.0*		*105*	*50-200*			
LCS (2404042-BS1)									Prepared: 01/24/24 Analyzed: 01/24/24
Diesel Range Organics (C10-C28)	258	25.0	250		103	38-132			
Surrogate: n-Nonane	*51.7*		*50.0*		*103*	*50-200*			
Matrix Spike (2404042-MS1)				**Source: E401147-04**					Prepared: 01/24/24 Analyzed: 01/26/24
Diesel Range Organics (C10-C28)	5040	500	250	5740	NR	38-132			M4
Surrogate: n-Nonane	*47.7*		*50.0*		*95.4*	*50-200*			
Matrix Spike Dup (2404042-MSD1)				**Source: E401147-04**					Prepared: 01/24/24 Analyzed: 01/26/24
Diesel Range Organics (C10-C28)	5800	500	250	5740	25.1	38-132	14.1	20	M4
Surrogate: n-Nonane	*50.0*		*50.0*		*100*	*50-200*			

QC Summary Data

Devon Energy - Carlsbad	Project Name:	Mean Green 23 Fed1H Battery	**Reported:**
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	1/29/2024 9:35:27AM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2404039-BLK1)									Prepared: 01/24/24 Analyzed: 01/24/24
Chloride	ND	20.0							
LCS (2404039-BS1)									Prepared: 01/24/24 Analyzed: 01/24/24
Chloride	245	20.0	250		98.1	90-110			
Matrix Spike (2404039-MS1)				**Source: E401139-04**					Prepared: 01/24/24 Analyzed: 01/24/24
Chloride	314	20.0	250	64.5	99.6	80-120			
Matrix Spike Dup (2404039-MSD1)				**Source: E401139-04**					Prepared: 01/24/24 Analyzed: 01/24/24
Chloride	314	20.0	250	64.5	99.9	80-120	0.181	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:	Mean Green 23 Fed1H Battery	
6488 7 Rivers Hwy	Project Number:	01058-0007	**Reported:**
Artesia NM, 88210	Project Manager:	Ashley Giovengo	01/29/24 09:35

M4	Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The associated LCS spike recovery was acceptable.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite
DNR	Did not react with the addition of acid or base.

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

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

Project Information | Chain of Custody | Page __1__ of __1__

Client: Devon Energy	**Bill To**	Lab Use Only: Lab WO# E401141 / Job Number 01058O007
Project: Mean Green 23 Fed 1H Battery	Attention: Dale Woodall	TAT: 1D / 2D / 3D / Standard: X
Project Manager: Ashley Giovengo	Address: 205 E Bender Rd #150	EPA Program: CWA / SDWA / RCRA
Address: 3122 National Parks Hwy	City, State, Zip: Hobbs NM, 88240	State: NM X / CO / UT / AZ / TX
City, State, Zip: Carlsbad NM, 88220	Phone: (575)748-1838	
Phone: 575-988-0055	Email: Dale.woodall@dvn.com	
Email: agiovengo@ensolum.com		
Report due by:		

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

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	Remarks
10:16	1/19/2024	Soil	1	SS03 - 0'	1						X		

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, dale.woodall@dvn.com, chamilton@ensolum.com, ehaft@ensolum.com - KEPT ON ICE

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Ethan Haft	1/22/24	0700	Michelle Garcia	1-22-24	0700
Michelle Garcia	1-22-24	1630	Andrew Nelson	1-22-24	1730
Andrew Nelson	1-22-24	2400	Kayla A Hall	1-23-24	0600

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

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

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

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

envirotech

Envirotech Analytical Laboratory

Printed: 1/24/2024 9:07:23AM

Sample Receipt Checklist (SRC)

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

Client:	Devon Energy - Carlsbad	Date Received:	01/23/24 06:00	Work Order ID:	E401141
Phone:	(505) 382-1211	Date Logged In:	01/22/24 16:24	Logged In By:	Alexa Michaels
Email:	ashley.giovengo@wescominc.com	Due Date:	01/29/24 17:00 (4 day TAT)		

Chain of Custody (COC)

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

Comments/Resolution

Sample Turn Around Time (TAT)

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

Sample Cooler

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

ENSOLUM

APPENDIX F

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

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

QUESTIONS

Action 334571

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 334571
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2114741269**
Incident Name	**NAPP2114741269 MEAN GREEN 23 FED 1H BATTERY @ 0**
Incident Type	**Produced Water Release**
Incident Status	**Deferral Request Received**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	MEAN GREEN 23 FED 1H BATTERY
Date Release Discovered	05/14/2021
Surface Owner	Federal

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	*Not answered.*
Produced Water Released (bbls) Details	Cause: Other | Other (Specify) | Produced Water | Released: 9 BBL | Recovered: 9 BBL | Lost: 0 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	*Not answered.*
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	*Not answered.*
Other Released Details	*Not answered.*
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	*Not answered.*

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

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 334571
	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	**No**
Reasons why this would be considered a submission for a notification of a major release	*Unavailable.*
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	*Not answered.*
Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.	

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

I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dvn.com Date: 04/17/2024

District I
1625 N. French Dr., Hobbs, NM 88240
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Santa Fe, NM 87505

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 334571
	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 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
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 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 500 and 1000 (ft.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	632
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	6280
GRO+DRO (EPA SW-846 Method 8015M)	6280
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
On what estimated date will the remediation commence	01/01/2075
On what date will (or did) the final sampling or liner inspection occur	11/14/2023
On what date will (or was) the remediation complete(d)	01/01/2075
What is the estimated surface area (in square feet) that will be reclaimed	7597
What is the estimated volume (in cubic yards) that will be reclaimed	281
What is the estimated surface area (in square feet) that will be remediated	7597
What is the estimated volume (in cubic yards) that will be remediated	281
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.	
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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Oil Conservation Division
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QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 334571
	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	OWL LANDFILL JAL [fJEG1635837366]
OR which OCD approved well (API) will be used for **off-site** disposal	*Not answered.*
OR is the **off-site** disposal site, to be used, out-of-state	*Not answered.*
OR is the **off-site** disposal site, to be used, an NMED facility	*Not answered.*
(Ex Situ) Excavation and **on-site** remediation (i.e. On-Site Land Farms)	*Not answered.*
(In Situ) Soil Vapor Extraction	*Not answered.*
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	*Not answered.*
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	*Not answered.*
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	*Not answered.*
Ground Water Abatement pursuant to 19.15.30 NMAC	*Not answered.*
OTHER (Non-listed remedial process)	*Not answered.*
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	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dvn.com Date: 04/25/2024
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 334571
	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 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	Tank battery and associated equipment.
What is the remaining surface area (in square feet) that will still need to be remediated if a deferral is granted	7597
What is the remaining volume (in cubic yards) that will still need to be remediated if a deferral is granted	281
Per Paragraph (2) of Subsection C of 19.15.29.12 NMAC if contamination is located in areas immediately under or around production equipment such as production tanks, wellheads and pipelines where remediation could cause a major facility deconstruction, the remediation, restoration and reclamation may be deferred with division written approval until the equipment is removed during other operations, or when the well or facility is plugged or abandoned, whichever comes first.	
Enter the facility ID (f#) on which this deferral should be granted	MEAN GREEN 27 FED 1H BATTERY [fAPP2128035524]
Enter the well API (30-) on which this deferral should be granted	*Not answered.*
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 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	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dvn.com Date: 04/25/2024

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QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 334571
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	*{Unavailable.}*

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

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CONDITIONS

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	6137
	Action Number: 334571
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Operator failed to provide proper Liner Inspection Notification pursuant to 19.15.29.11.A.(5).(a).(ii) NMAC. Failure to provide proper sampling notice is a compliance issue and OCD may pursue compliance actions pursuant to 19.15.5 NMAC. Operator shall ensure future compliance with 19.15.29.11.A.(5).(a).(ii) NMAC	5/17/2024
nvelez	Operator failed to provide proper Sampling Notification pursuant to 19.15.29.12.D.(1).(a) NMAC. Failure to provide proper sampling notice is a compliance issue and OCD may pursue compliance actions pursuant to 19.15.5 NMAC. Operator shall ensure future compliance with 19.15.29.12.D.(1).(a) NMAC	5/17/2024