Cottonwood CONSULTING

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September 26, 2025

New Mexico Oil and Conservation Division
1000 Rio Brazos Road
Aztec, NM 87410

RE: Huerfanito Unit #083E NMOCD Incident nAPP2503435211
Site Assessment Results and Remediation Plan
Hilcorp Energy Company
San Juan County, New Mexico

To Whom it May Concern,

Cottonwood Consulting, LLC (Cottonwood), on behalf of Hilcorp Energy Company (Hilcorp), is pleased to provide you with site assessment results and a proposed remediation plan for a release at Hilcorp's Huerfanito Unit #083E location (API 30-045-34695; New Mexico Oil Conservation Division [NMOCD] Incident nAPP2503435211). Details regarding the release, the assessment conducted to date, and the proposed assessment plan are summarized below.

Background

On January 31, 2025, a release occurred at the Huerfanito Unit #083E location when an oil dump line entering the bottom of a condensate tank froze and split, draining the contents of the tank. Approximately 21 barrels (bbls) of produced water and 79 bbls of condensate were released. Released fluid stayed within the secondary containment area and soaked into the ground. The release volume is based on tank gauging data. No produced water or condensate was recovered. The NMOCD assigned Incident nAPP2503435211 to the release.

Site Assessment

Cottonwood conducted an initial site assessment on February 25, 2025. Soil samples were collected from the release area to a depth of up to 10 feet below ground surface (bgs). Following the initial sampling on February 25, 2025, Hilcorp contracted Enviro-Drill, Inc. (Enviro-Drill) to drill eight boreholes between May 6 and May 8, 2025 to a depth of up to 26 feet bgs. Four of the boreholes were completed as soil vapor extraction (SVE) wells.

Prior to collecting samples, soils were field-screened using visual/olfactory observations and a MiniRae 3000® or Ion Science Tiger® photoionization detector (PID). All sample locations were recorded using a Trimble GeoXH® global positioning system (GPS). Samples were placed in a cooler with ice and submitted with chain-of-custody to Envirotech, Inc. (Envirotech) in Bloomfield, New Mexico for analysis of total petroleum hydrocarbons (TPH); benzene, toluene, ethylbenzene, total xylenes (BTEX); and chlorides.

Based on the sampling conducted in February and May 2025, elevated hydrocarbons, including TPH, BTEX, and benzene, are present in SS10 (2-4'), SS11 (6-8'), SS12 (2-4') and SS13 (8-10'), collected within the tank secondary containment at depths of 2 to 10 feet bgs. Elevated hydrocarbons are present in BH-01 (14-16') and BH-05 (14-16'), collected outside the secondary containment to the west (BH-01 [14-16']) and northeast (BH-05 [14-16']) at a depth of 14 to 16 feet bgs. Impacts were limited to hydrocarbons, and no samples exceeded the NMOCD standard for chlorides.

All samples collected at a depth greater than 16 feet bgs did not exceed NMOCD standards; however, based on boring logs and field screening, it is possible impacts may extend to 20 feet bgs in certain areas. The horizontal extent of the impacts to the east and south has been delineated; however, more sampling is needed to determine the horizontal extent of impacts to the west and north. The area to the west is the seeded and mulched interim reclamation area and the area to the north is owned by the Bureau of Land Management (BLM).

Hilcorp requested permission from the BLM to drill additional boreholes in the area north of the release area to determine the northern extent of the release. A cultural resource survey was completed and the area was cleared of cultural resources. Hilcorp is still awaiting BLM's permission to conduct delineation off the well pad. Hilcorp contracted Enviro-Drill to conduct the necessary drilling on August 11, 2025; however, Hilcorp had not received permission from the BLM to drill on BLM land off of the well pad by that date and therefore, the drilling plan did not occur.

A map of sample locations is included in Attachment 1. Sample results are included in Attachment 2, a photographic log is included in Attachment 3, boring logs are included in Attachment 4, laboratory reports are included in Attachment 5, and NMOCD sampling notifications are included in Attachment 6.

Remediation Plan

Hilcorp plans to delineate the horizontal extent of impacts to the north and west in Fall 2025. Delineation samples would be collected and submitted to Envirotech for analysis of TPH, BTEX, and chloride.

Remediation of hydrocarbon impacts is required in the vicinity of the release area within the secondary containment. Based on a combination of laboratory samples, boring logs, and field screening, Cottonwood estimates that up to 1,290 cubic yards of impacted material remain on site. This estimate will be revised following additional delineation. SVE wells were installed during the delineation to retain the option for remediation via SVE; however, Hilcorp is currently proposing to excavate and dispose of impacted soil off-site.

Hilcorp plans to excavate impacted material and collect confirmation soil samples, including five-point composite samples for every 200 square feet within the excavation area. NMOCD will be notified in advance of any five-point composite samples collected for closure purposes per NMOCD rules. All excavated material will be hauled to Envirotech landfill. All results of soil

sampling and remediation, including laboratory analytical results and mapping, will be submitted to the NMOCD as soon as possible following completion of laboratory analysis.

Site Characterization

Site characterization information is included in Attachment 7. Based on a cathodic protection well drilled on the well pad, the depth to water at the site is greater than 300 feet bgs. The drilling log is included in Attachment 7.

Conclusion

Hilcorp is proposing additional assessment and delineation at the Huerfanito #083E. This work is scheduled for Fall 2025. Following the additional assessment, Hilcorp plans excavate impacted material. Hilcorp respectfully requests approval of the proposed assessment and remediation plan.

Should you have any questions regarding the proposed assessment and remediation plan, please do not hesitate to contact me at 970-764-7356 or ksiesser@cottonwoodconsulting.com.

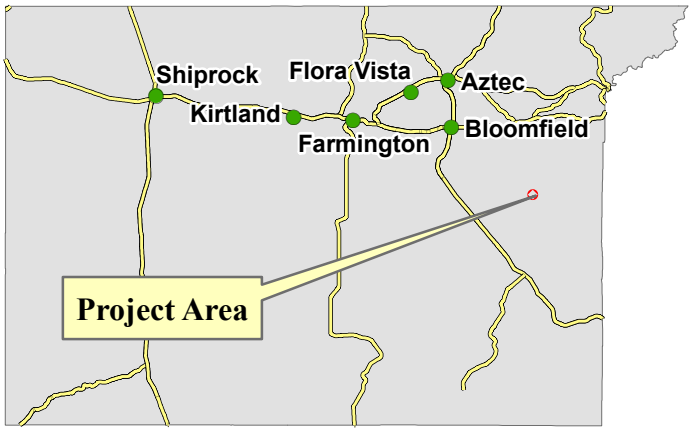
Sincerely,

Kyle D. Siesser

Kyle Siesser, P.G.
Cottonwood Consulting, LLC

Attachments: Attachment 1 – Project Map
Attachment 2 – Soil Sampling Table
Attachment 3 – Photographic Log
Attachment 4 – Boring Logs
Attachment 5 – Laboratory Reports
Attachment 6 – Sampling Notifications
Attachment 7 – Site Characterization Information

Attachment 1



San Juan County, New Mexico

Notes: SS01 - SS13 collected 2/25/2025. BH-01 (14-16') and BH-02 (24-26') collected 5/6/2025. BH-03 (18-20'), BH-04 (18-20'), BH-05 (14-16'), BH-05 (22-24') and BH-06 (18-20') collected 5/7/2025. BH-07 (16-18'), BH-08 (10-12') and BH-08 (18-20') collected 5/8/2025. All samples are grab samples. ft bgs - feet below ground surface.

Legend

- Point of Release
- Soil Sample
- Release Area (2/25/2025)

Impacted Zone

- 0-14ft bgs
- 0-16ft bgs
- 0-20ft bgs
- 10-14ft bgs
- 12-16ft bgs
- 14-20ft bgs
- 4-16ft bgs
- Oil & Gas Wells

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Mapping by:E. Millar, 9/26/2025
Coordinate System:
NAD 1983 UTM Zone 13 N

Location: Sec 28 T27N R9W NMPM

Huerfanito Unit #083E
Project Map
Hilcorp Energy Company

Attachment 2

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Table 1
Soil Sampling Results
Huerfanito Unit #083E
Hilcorp Energy Company

Parameter	SS01 (0-1') 2/25/2025 West of Secondary Containment	SS02 (0-2') 2/25/2025 South of Secondary Containment	SS03 (2-4') 2/25/2025 South of Secondary Containment	SS04 (0-2') 2/25/2025 East of Secondary Containment	SS05 (2-4') 2/25/2025 East of Secondary Containment	OCD Reclamation Standard	OCD Standard GW >100'	Units
Depth	0-1	0-2	2-4	0-2	2-4	NA	NA	feet bgs
PID	0.0	0.2	0.9	0.1	0.2	NA	NA	ppm
Chloride	<20.0	<20.0	<20.0	<20.0	<20.0	600	20,000	mg/kg
TPH (GRO)	<20.0	<20.0	<20.0	<20.0	<20.0	NA	NA	mg/kg
TPH (DRO)	<25.0	<25.0	<25.0	<25.0	<25.0	NA	NA	mg/kg
TPH (EXT DRO)	<50.0	<50.0	<50.0	<50.0	<50.0	NA	NA	mg/kg
TPH (GRO+DRO)	<45.0	<45.0	<45.0	<45.0	<45.0	NA	1,000	mg/kg
Total TPH (GRO+DRO+EXT)	<95.0	<95.0	<95.0	<95.0	<95.0	100	2,500	mg/kg
Benzene	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	10	10	mg/kg
Toluene	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	NA	NA	mg/kg
Ethylbenzene	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	NA	NA	mg/kg
Total Xylenes	<0.0250	<0.0250	<0.0250	<0.0250	<0.0250	NA	NA	mg/kg
Total BTEX	<0.1000	<0.1000	<0.1000	<0.1000	<0.1000	50	50	mg/kg

Notes:

PID - Photoionization Detector
TPH - Total Petroleum Hydrocarbons
GRO - Gasoline Range Organics
DRO - Diesel Range Organics
OCD - State of New Mexico Oil Conservation Division
EXT - Extended
BTEX - Benzene, Toluene, Ethylbenzene, Total Xylenes
NA - Not Applicable
bgs - below ground surface
GW - groundwater

ppm - parts per million
mg/kg - milligrams per kilogram
Bold values exceed the OCD Standard.
TPH values detected below the reporting limit are not included in Total TPH calculations
BTEX values detected below the reporting limit are not included in Total BTEX calculations
OCD Reclamation Standard is based on NMAC 19.15.29.13(D)(1) and guidance for top 4 feet of material.
OCD Standard GW >100' is based on OCD Table I standards for groundwater deeper than 100 feet.
OCD GW > 100' is relevant to soils below 4 feet.

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Table 1 (continued)
Soil Sampling Results
Huerfanito Unit #083E
Hilcorp Energy Company

Parameter	SS06 (0-2') 2/25/2025 North of Secondary Containment	SS07 (2-4') 2/25/2025 North of Secondary Containment	SS08 (0-2') 2/25/2025 Northeast of Secondary Containment	SS09 (6-7.5') 2/25/2025 Northeast of Secondary Containment	SS10 (2-4') 2/25/2025 Release Area	OCD Reclamation Standard	OCD Standard GW >100'	Units
Depth	0-2	2-4	0-2	6-7.5	2-4	NA	NA	feet bgs
PID	7.3	13.3	14.4	50.1	4,710	NA	NA	ppm
Chloride	<20.0	<20.0	<20.0	<20.0	<20.0	600	20,000	mg/kg
TPH (GRO)	<20.0	<20.0	<20.0	<20.0	6,670	NA	NA	mg/kg
TPH (DRO)	<25.0	<25.0	<25.0	<25.0	1,830	NA	NA	mg/kg
TPH (EXT DRO)	<50.0	<50.0	<50.0	<50.0	<50.0	NA	NA	mg/kg
TPH (GRO+DRO)	<45.0	<45.0	<45.0	<45.0	**8,500**	NA	1,000	mg/kg
Total TPH (GRO+DRO+EXT)	<95.0	<95.0	<95.0	<95.0	**8,500**	100	2,500	mg/kg
Benzene	<0.0250	<0.0250	<0.0250	<0.0250	**30.4**	10	10	mg/kg
Toluene	<0.0250	<0.0250	<0.0250	<0.0250	498	NA	NA	mg/kg
Ethylbenzene	<0.0250	<0.0250	<0.0250	<0.0250	59.9	NA	NA	mg/kg
Total Xylenes	<0.0250	<0.0250	<0.0250	<0.0250	787	NA	NA	mg/kg
Total BTEX	<0.1000	<0.1000	<0.1000	<0.1000	**1,375.3**	50	50	mg/kg

Notes:

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TPH - Total Petroleum Hydrocarbons
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BTEX - Benzene, Toluene, Ethylbenzene, Total Xylenes
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Table 1 (continued)
Soil Sampling Results
Huerfanito Unit #083E
Hilcorp Energy Company

Parameter	SS11 (6-8') 2/25/2025 Release Area	SS12 (2-4') 2/25/2025 Release Area	SS13 (8-10') 2/25/2025 Release Area	BH-01 (14-16') 5/6/2025 West of Secondary Containment	BH-02 (24-26') 5/6/2025 Southwest of BGT	OCD Reclamation Standard	OCD Standard GW >100'	Units
Depth	6-8	2-4	8-10	14-16	24-26	NA	NA	feet bgs
PID	4,329	4,753	5,212	33.6	651.9	NA	NA	ppm
Chloride	<20.0	<20.0	<20.0	<20.0	<20.0	600	20,000	mg/kg
TPH (GRO)	7,760	7,630	5,930	22.2	21.9	NA	NA	mg/kg
TPH (DRO)	2,840	2,880	1,960	6,100	<25.0	NA	NA	mg/kg
TPH (EXT DRO)	74.1	77.3	119	315	<50.0	NA	NA	mg/kg
TPH (GRO+DRO)	**10,600**	**10,510**	**7,890**	**6,122.2**	21.9	NA	1,000	mg/kg
Total TPH (GRO+DRO+EXT)	**10,674.1**	**10,587.3**	**8,009**	**6,437.2**	21.9	100	2,500	mg/kg
Benzene	**29.0**	**38.3**	**23.3**	<0.0250	<0.0250	10	10	mg/kg
Toluene	537	621	387	<0.0250	0.0559	NA	NA	mg/kg
Ethylbenzene	68.2	73.3	49.8	<0.0250	0.0568	NA	NA	mg/kg
Total Xylenes	898	957	663	0.230	0.679	NA	NA	mg/kg
Total BTEX	**1,532.2**	**1,689.6**	**1,123.1**	0.230	0.7917	50	50	mg/kg

Notes:

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DRO - Diesel Range Organics
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Table 1 (continued)
Soil Sampling Results
Huerfanito Unit #083E
Hilcorp Energy Company

Parameter	BH-03 (18-20') 5/7/2025 South of BGT	BH-04 (18-20') 5/7/2025 Northeast of BGT	BH-05 (14-16') 5/7/2025 Northeast of Secondary Containment	BH-05 (22-24') 5/7/2025 Northeast of Secondary Containment	BH-06 (18-20') 5/7/2025 South of Secondary Containment	OCD Reclamation Standard	OCD Standard GW >100'	Units
Depth	18-20	18-20	14-16	22-24	18-20	NA	NA	feet bgs
PID	209.8	236.0	2,625	90.3	0.1	NA	NA	ppm
Chloride	<20.0	<20.0	59.7	48.6	<20.0	600	20,000	mg/kg
TPH (GRO)	<20.0	<20.0	410	<20.0	<20.0	NA	NA	mg/kg
TPH (DRO)	<25.0	<25.0	1,530	<25.0	<25.0	NA	NA	mg/kg
TPH (EXT DRO)	<50.0	<50.0	71.4	<50.0	<50.0	NA	NA	mg/kg
TPH (GRO+DRO)	<45.0	<45.0	**1,940**	<45.0	<45.0	NA	1,000	mg/kg
Total TPH (GRO+DRO+EXT)	<95.0	<95.0	2,011.4	<95.0	<95.0	100	2,500	mg/kg
Benzene	<0.0250	<0.0250	0.639	<0.0250	<0.0250	10	10	mg/kg
Toluene	<0.0250	<0.0250	19.1	0.168	<0.0250	NA	NA	mg/kg
Ethylbenzene	<0.0250	<0.0250	3.04	0.0384	<0.0250	NA	NA	mg/kg
Total Xylenes	<0.0250	<0.0250	42.3	0.555	<0.0250	NA	NA	mg/kg
Total BTEX	<0.1000	<0.1000	**65.079**	0.7614	<0.1000	50	50	mg/kg

Notes:

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Table 1 (continued)
Soil Sampling Results
Huerfanito Unit #083E
Hilcorp Energy Company

Parameter	BH-07 (16-18') 5/8/2025 Northeast of Secondary Containment	BH-08 (10-12') 5/8/2025 Southeast of BGT	BH-08 (18-20') 5/8/2025 Southeast of BGT	OCD Reclamation Standard	OCD Standard GW >100'	Units
Depth	16-18	10-12	18-20	NA	NA	feet bgs
PID	1.1	3,356	19.5	NA	NA	ppm
Chloride	328	<20.0	79.8	600	20,000	mg/kg
TPH (GRO)	<20.0	302	<20.0	NA	NA	mg/kg
TPH (DRO)	<25.0	428	<25.0	NA	NA	mg/kg
TPH (EXT DRO)	<50.0	<50.0	<50.0	NA	NA	mg/kg
TPH (GRO+DRO)	<45.0	730	<45.0	NA	1,000	mg/kg
Total TPH (GRO+DRO+EXT)	<95.0	730	<95.0	100	2,500	mg/kg
Benzene	<0.0250	0.0523	<0.0250	10	10	mg/kg
Toluene	<0.0250	4.70	<0.0250	NA	NA	mg/kg
Ethylbenzene	<0.0250	2.24	<0.0250	NA	NA	mg/kg
Total Xylenes	<0.0250	32.3	<0.0250	NA	NA	mg/kg
Total BTEX	<0.1000	39.2923	<0.1000	50	50	mg/kg

Notes:

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OCD GW > 100' is relevant to soils below 4 feet.

Attachment 3

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Huerfanito Unit #083E
Photographic Log
Hilcorp Energy Company

Photo 1: Huerfanito Unit #083E site.

Photo 2: Point of release.

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Huerfanito Unit #083E
Photographic Log
Hilcorp Energy Company

Photo 3: SS01 (0-1') collected west of the bermed area.

Photo 4: SS02 (0-2') and SS03 (2-4') collected south of the bermed area.

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Huerfanito Unit #083E
Photographic Log
Hilcorp Energy Company

Photo 5: SS04 (0-2') and SS05 (2-4') collected east of the bermed area.

Photo 6: SS06 (0-2') and SS07 (2-4') collected north of the bermed area.

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Huerfanito Unit #083E
Photographic Log
Hilcorp Energy Company

Photo 7: SS08 (0-2') and SS09 (6-7.5') collected northeast the bermed area.

Photo 8: SS10 (2-4') and SS11 (6-8') collected within the release area.

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Huerfanito Unit #083E
Photographic Log
Hilcorp Energy Company

Photo 9: SS12 (2-4') and SS13 (8-10') collected within the release area.

Photo 10: Release area and staining.

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Huerfanito Unit #083E
Photographic Log
Hilcorp Energy Company

Photo 11: BH-01 (14-16') collected west of the bermed area. Borehole backfilled with grout.

Photo 12: BH-02 (24-26') collected within release area. Bore hole completed as soil vapor extraction (SVE) point SVE-01. Drilled 5/6/2025.

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Huerfanito Unit #083E
Photographic Log
Hilcorp Energy Company

Photo 13: BH-03 (18-20') collected within release area. Bore hole completed as SVE point SVE-02. Drilled 5/7/2025.

Photo 14: BH-04 (18-20') collected northeast of BGT. Bore hole completed as SVE point SVE-03. Drilled 5/7/2025.

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Huerfanito Unit #083E
Photographic Log
Hilcorp Energy Company

Photo 15: BH-05 (14-16') and BH-06 (18-20') collected northeast of bermed area. Bore hole backfilled with grout.

Photo 16: BH-06 (18-20') collected south of bermed area. Bore hole backfilled with grout.

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Huerfanito Unit #083E
Photographic Log
Hilcorp Energy Company

Photo 17: BH-07 (16-18') collected northeast of bermed area. Bore hole backfilled with grout.

Photo 18: BH-08 (10-12') and BH-08 (18-20') collected southeast of BGT. Bore hole completed as SVE point SVE-04. Drilled 5/8/2025.

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Huerfanito Unit #083E
Photographic Log
Hilcorp Energy Company

Photo 19: Dry wash adjacent to site and release area.

Photo 20: Dry wash adjacent to site and release area.

Attachment 4

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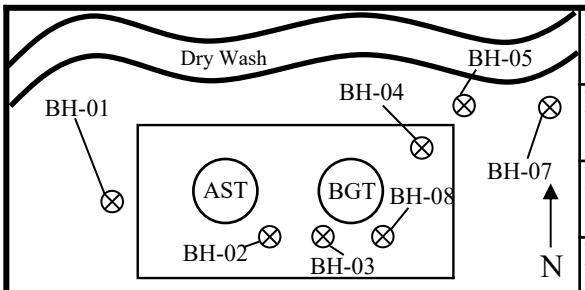

Project: Huerfanito #083E	Boring ID: BH-01
Date: 5/6/2025	Logged By: Joseph LaFortune Kyle Siesser
Location: San Juan County	Elevation: 6340'
Drilling Company: Enviro-Drill	Drill Method: Hollow Stem Auger
Diameter: 8" OD	Sample Interval: 2'
Completion: NA	Total Depth: 22’

Depth:	Sample Interval:	Recovery:	PID:	Lithology:	Completion:
2		100%	0.0	Brown, fine - med grain silty SAND w minor clay, moist, no stain, no odor.	NA backfilled with grout - Cuttings drummed
4		80%	0.0	SAA, 5" thick coarse grained lens at 3' bgs.	
6		95%	0.0	SAA, increase in silty clay	
8		90%	0.3	SAA	
10		80%	0.4	7.5' bgs lt brown, fine - coarse grained SANDSTONE, dry no stain, no odor.	
12		15%	0.5	SAA.	
14		15%	23.3	SAA, slight PHC odor.	
16	BH-01 (14-16') @1300	15%	33.6	SAA, slight PHC odor.	
18		15%	27.4	SAA, slight PHC odor.	
20		15%	9.7	SAA, no stain, decrease in PHC odor.	
22		15%	5.2*	SAA, no stain, no odor.	
24				TD @ 22' bgs	
26					
28					
30					

Notes: SAA - Same as above
bgs - below ground surface
PHC - petroleum hydrocarbon
* - PID started at reading and did not increase during screening
NA- Not Applicable

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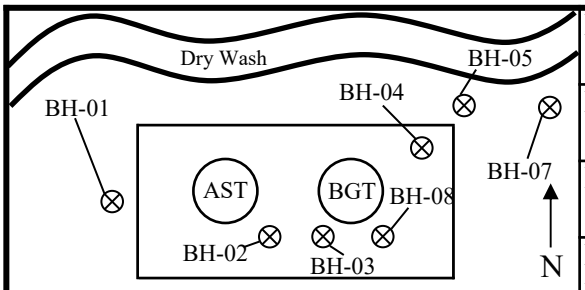


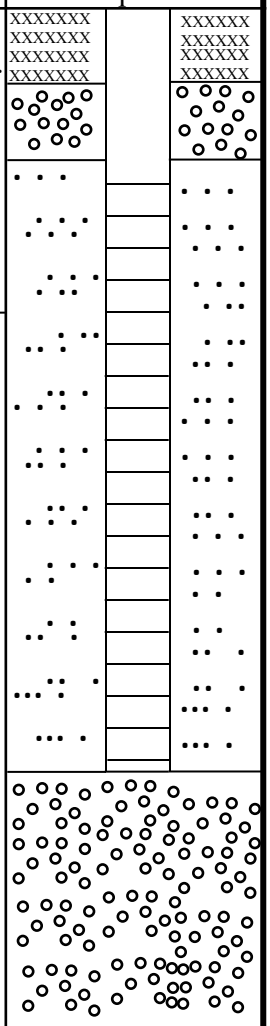
Access Road

BH-06

Project: Huerfanito #083E	Boring ID: BH-02
Date: 5/6/2025	Logged By: Joseph LaFortune Kyle Siesser
Location: San Juan County	Elevation: 6340'
Drilling Company: Enviro-Drill	Drill Method: Hollow Stem Auger
Diameter: 8" OD	Sample Interval: 2'
Completion: SVE-01	Total Depth: 26'

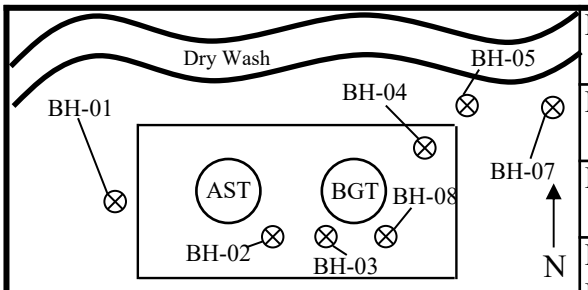
Depth:	Sample Interval:	Recovery:	PID:	Lithology:
2		100%	2,646	Brown, fine - med grained silty SAND w minor clay, moist, slight stain, PHC odor.
4		100%	4,481	SAA, coarse lens at 3.5' bgs, no stain, PHC odor.
6		100%	4,021	SAA, no stain, strong PHC odor.
8		100%	3,369	SAA, minor staining, strong PHC odor. Silty 2" thick clay lens at 7.5' bgs.
10		25%	4,163	8' bgs lt brown, fine - coarse grained SANDSTONE, moist, PHC stain and odor.
12		15%	3,930	SAA, no stain, PHC odor.
14		15%	3,112	SAA, no stain, PHC odor.
16		15%	4,223	SAA, PHC odor.
18		15%	4,798	SAA, PHC odor.
20		15%	>9,999	SAA, no stain, stong PHC odor.
22		15%	474	SAA, no stain, decrease in odor.
24		25%	453	SAA, 4" thick claystone lens @ 23' bgs.
26	BH-02 (24-26') @1450	25%	651.9	SAA, decrease in odor.
28				TD @ 26' bgs
30				

Completion:



Notes: SAA – Same as above
bgs- below ground Surface
PHC- Petroleum Hydrocarbon Odor

Cottonwood CONSULTING

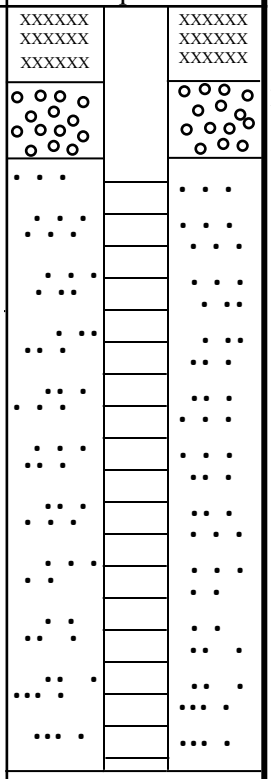


Access Road

BH-06

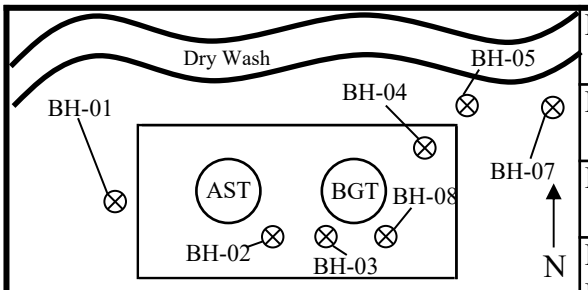
Project: Huerfanito #083E	Boring ID: BH-03
Date: 5/7/2025	Logged By: Joseph LaFortune
Location: San Juan County	Elevation: 6340'
Drilling Company: Enviro-Drill	Drill Method: Hollow Stem Auger
Diameter: 8" OD	Sample Interval: 2'
Completion: SVE-02	Total Depth: 20'

Depth:	Sample Interval:	Recovery:	PID:	Lithology:
2		100%	4,338	Brown, fine - med grained silty SAND w minor clay, moist, slight stain, PHC odor.
4		90%	4,895	SAA, slightly coarser at 3' bgs, no stain, PHC odor.
6		75%	4,361	SAA, fine - med grained SAND, no stain, strong PHC odor.
8		20%	4,925	SAA.
10		15%	4,475	8' bgs brown, fine - coarse grained SANDSTONE, moist, no stain PHC odor.
12		15%	5,106	SAA, fine - med grained w minor coarse grained, no stain, PHC odor.
14		15%	1,401	SAA, PHC odor.
16		15%	622.8	SAA, fine - med grained w minor coarse grained, PHC odor.
18		20%	275.8	SAA, decrease in PHC odor.
20	BH-03 (18-20') @ 1030	25%	209.8	SAA, no stain, slight PHC odor.
22				TD @ 20' bgs
24				
26				
28				
30				



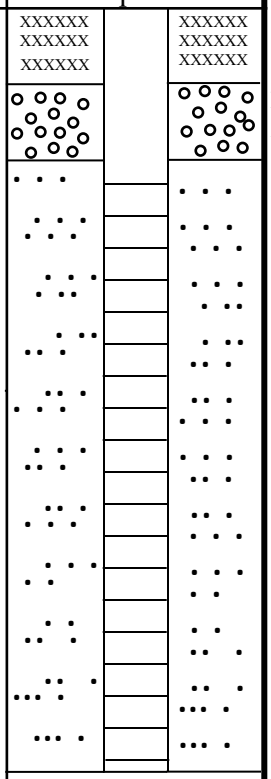
Notes: SAA – Same as above
bgs- below ground Surface
PHC- Petroleum Hydrocarbon Odor

Cottonwood CONSULTING



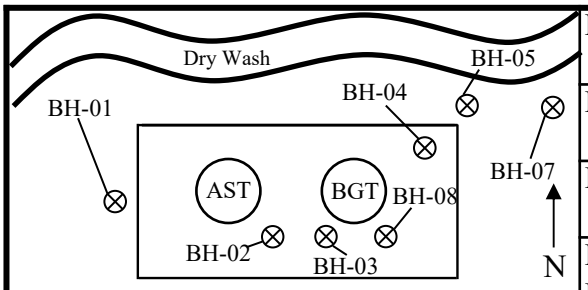
Project: Huerfanito #083E	Boring ID: BH-04
Date: 5/7/2025	Logged By: Joseph LaFortune
Location: San Juan County	Elevation: 6340'
Drilling Company: Enviro-Drill	Drill Method: Hollow Stem Auger
Diameter: 8" OD	Sample Interval: 2'
Completion: SVE-03	Total Depth: 20'

Depth:	Sample Interval:	Recovery:	PID:	Lithology:
2		100%	2,640	Brown, fine - med grained silty SAND w minor clay, moist, slight stain, PHC odor.
4		70%	4,506	SAA, coarse grained lens at 4' bgs, no stain, strong PHC odor.
6		90%	4,650	SAA, coarse grained lens at 5' and 6' bgs, no stain, PHC odor.
8		90%	4,175	SAA, minor grey staining.
10		70%	4,092	SAA, no stain, PHC odor.
12		20%	3,576	Brown fine - coarse grained silty SANDSTONE, no stain, PHC odor.
14		15%	4,070	SAA, no stain, PHC odor.
16		40%	487.1	Fine - med grained silty SANDSTONE, no stain, decrease in PHC odor.
18		25%	312.9	SAA, minor coarse grains, decrease in PHC odor.
20	BH-04 (18-20') @1155	25%	236.0	SAA, minor claystone, no stain, slight PHC odor.
22				TD @ 20' bgs
24				
26				
28				
30				



Notes: SAA – Same as above
bgs- below ground Surface
PHC- Petroleum Hydrocarbon Odor

Cottonwood CONSULTING



Access Road

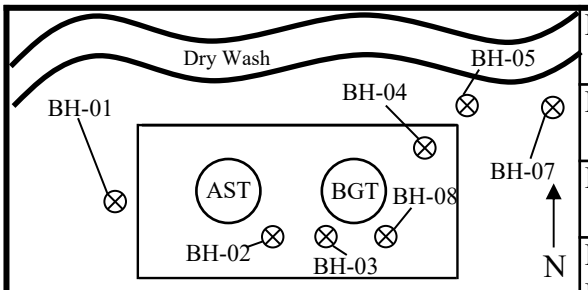
BH-06

Project: Huerfanito #083E	Boring ID: BH-05
Date: 5/7/2025	Logged By: Joseph LaFortune
Location: San Juan County	Elevation: 6340'
Drilling Company: Enviro-Drill	Drill Method: Hollow Stem Auger
Diameter: 8" OD	Sample Interval: 2'
Completion: NA	Total Depth: 24'

Depth:	Sample Interval:	Recovery:	PID:	Lithology:	Completion:
2		100%	0.0	Tan - brown, fine - med grained silty SAND w minor clay, moist, no stain, no odor.	NA backfilled with grout.
4		100%	0.0	SAA, no stain, no odor.	
6		100%	0.3	SAA, coarse grained lens at 5' bgs, no stain, no odor.	
8		90%	4.6	Tan - brown, fine- med grained SAND w silt, no stain, no odor.	
10		80%	11.7	SAA	
12		50%	12.5	SAA, no stain, no odor.	
14		20%	12.4	Tan, fine - med grained SANDSTONE, no stain, no odor.	- Cuttings Drummed
16	BH-05 (14-16') @ 1408	15%	2,625	SAA, strong PHC odor, no stain.	
18		15%	2,001	SAA, no stain, PHC odor.	
20		15%	1,197	SAA, no stain PHC odor.	
22		15%	111	SAA, no stain, slight PHC odor.	
24	BH-05 (22-24') @ 1415	15%	90.3	SAA, no stain, slight PHC odor.	
26				TD @ 24' bgs	
28					
30					

Notes: SAA - Same as above
bgs - below ground Surface
PHC - Petroleum Hydrocarbon Odor
NA - Not Applicable

Cottonwood CONSULTING



Access Road

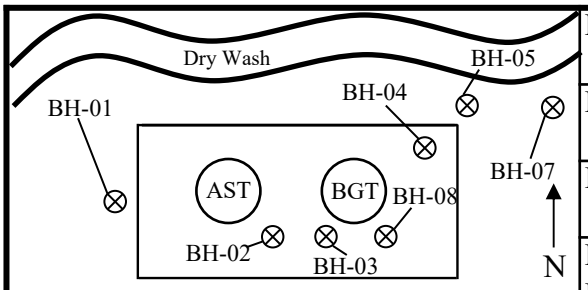
BH-06

Project: Huerfanito #083E	Boring ID: BH-06
Date: 5/7/2025	Logged By: Joseph LaFortune
Location: San Juan County	Elevation: 6340'
Drilling Company: Enviro-Drill	Drill Method: Hollow Stem Auger
Diameter: 8" OD	Sample Interval: 2'
Completion: NA	Total Depth: 20'

Depth:	Sample Interval:	Recovery:	PID:	Lithology:	Completion:
2		100%	0.0	Tan - brown, fine - med grained silty SAND, moist, no stain, no odor.	NA backfilled with grout.
4		100%	0.1	SAA, coarse grained @ 3'.	
6		100%	2.2	SAA, fine - med grained, no stain, no odor.	
8		60%	1.9	SAA, minor silt, no stain, no odor.	
10		25%	2.5	SAA.	
12		20%	0.2	Tan - white, fine - med grained SANDSTONE, no stain, no odor.	
14		20%	0.7	SAA, no stain, no odor.	
16		15%	1.1	SAA, fine - coarse grained, no stain, no odor.	
18		20%	1.3	SAA, 4" claystone lens at 17' bgs.	
20	BH-06 (18-20') @ 1510	20%	0.1	SAA, no stain, no odor.	
22				TD @ 20' bgs	
24					
26					
28					
30					

Notes: SAA - Same as above
bgs - below ground Surface
PHC- Petroleum Hydrocarbon Odor
NA - Not Applicable

Cottonwood CONSULTING



Access Road

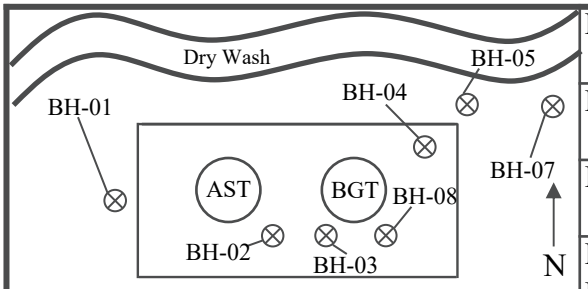
BH-06

Project: Huerfanito #083E	Boring ID: BH-07
Date: 5/7/2025	Logged By: Joseph LaFortune
Location: San Juan County	Elevation: 6340'
Drilling Company: Enviro-Drill	Drill Method: Hollow Stem Auger
Diameter: 8" OD	Sample Interval: 2'
Completion: NA	Total Depth: 20'

Depth:	Sample Interval:	Recovery:	PID:	Lithology:	Completion:
2		100%	0.0	Brown, fine - med grained silty SAND, moist, no stain, no odor.	NA backfilled with grout.
4		100%	0.3	SAA, claystone lens @ 3' bgs.	
6		80%	0.4	SAA, no stain, no odor.	
8		90%	0.2	SAA, claystone lens at 7' bgs, weathered sandstone lens at 7.5' bgs, no odor.	
10		90%	0.1	SAA, weathered claystone lens at 9' bgs, no stain, no odor.	
12		25%	0.4	Tan, fine - coarse grained SANDSTONE, no stain, no odor.	
14		30%	0.1	SAA, no stain, no odor.	
16		30%	0.4	SAA, 4" grey claystone lens @ 16' bgs, no stain, no odor.	
18	BH-07 (16-18') @ 0945	25%	1.1	SAA, fine - coarse grained, no stain, no odor.	
20		35%	0.3	SAA, intermittent claystone lenses to 20' bgs, no stain, no odor.	
22				TD @ 20' bgs	
24					
26					
28					
30					

Notes: SAA - Same as above
bgs - below ground Surface
PHC - Petroleum Hydrocarbon Odor
NA - Not Applicable

Cottonwood CONSULTING

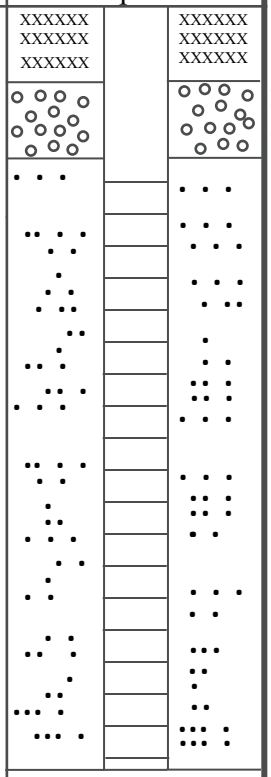


Access Road

BH-06

Project: Huerfanito #083E	Boring ID: BH-08
Date: 5/8/2025	Logged By: Joseph LaFortune
Location: San Juan County	Elevation: 6340'
Drilling Company: Enviro-Drill	Drill Method: Hollow Stem Auger
Diameter: 8" OD	Sample Interval: 2'
Completion: SVE-04	Total Depth: 20'

Depth:	Sample Interval:	Recovery:	PID:	Lithology:
2		100%	1,248	Brown, fine - med grained silty SAND w minor clay, moist, no stain, PHC odor.
4		100%	684.8	SAA, coarse grained at 3' bgs, no stain, strong PHC odor.
6		60%	701.5	SAA, no stain, PHC odor. Tan weathered coarse grained sandstone at 5.5' bgs.
8		20%	268.5	Tan, fine - coarse grained SANDSTONE, no stain, PHC odor.
10		20%	40.2	SAA no stain, slight PHC odor.
12	BH-08 (10-12') @ 1050	15%	3,356	SAA, no stain, strong PHC odor.
14		45%	2,969	SAA, PHC odor.
16		30%	341.1	SAA, decrease in PHC odor.
18		25%	56.8	SAA, decrease in PHC odor.
20	BH-08 (18-20') @ 1105	15%	19.5	SAA, no stain, no odor.
22				TD @ 20' bgs
24				
26				
28				
30				

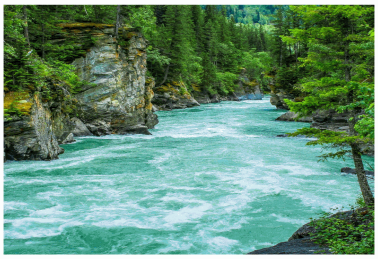


Notes: SAA – Same as above
bgs- below ground surface
PHC- Petroleum Hydrocarbon Odor

Attachment 5

Report to:

Kyle Siesser



5796 U.S. Hwy 64
Farmington, NM 87401

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

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Practical Solutions for a Better Tomorrow

Analytical Report

Cottonwood Consulting

Project Name:	Huerfanito Unit #083E
Work Order:	E502264
Job Number:	20035-C-0001
Received:	2/25/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
3/4/25

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 3/4/25

Kyle Siesser
PO Box 1653
Durango, CO 81302

Project Name: Huerfanito Unit #083E
Workorder: E502264
Date Received: 2/25/2025 3:35:00PM

Kyle Siesser,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/25/2025 3:35:00PM, under the Project Name: Huerfanito Unit #083E.

The analytical test results summarized in this report with the Project Name: Huerfanito Unit #083E 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
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mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

Cottonwood Consulting	Project Name:	Huerfanito Unit #083E	**Reported:**
PO Box 1653	Project Number:	20035-C-0001	
Durango CO, 81302	Project Manager:	Kyle Siesser	03/04/25 15:08

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS01	E502264-01A	Soil	02/25/25	02/25/25	Glass Jar, 4 oz.
SS02	E502264-02A	Soil	02/25/25	02/25/25	Glass Jar, 4 oz.
SS03	E502264-03A	Soil	02/25/25	02/25/25	Glass Jar, 4 oz.
SS04	E502264-04A	Soil	02/25/25	02/25/25	Glass Jar, 4 oz.
SS05	E502264-05A	Soil	02/25/25	02/25/25	Glass Jar, 4 oz.
SS06	E502264-06A	Soil	02/25/25	02/25/25	Glass Jar, 4 oz.
SS07	E502264-07A	Soil	02/25/25	02/25/25	Glass Jar, 4 oz.
SS08	E502264-08A	Soil	02/25/25	02/25/25	Glass Jar, 4 oz.
SS09	E502264-09A	Soil	02/25/25	02/25/25	Glass Jar, 4 oz.
SS10	E502264-10A	Soil	02/25/25	02/25/25	Glass Jar, 4 oz.
SS11	E502264-11A	Soil	02/25/25	02/25/25	Glass Jar, 4 oz.
SS12	E502264-12A	Soil	02/25/25	02/25/25	Glass Jar, 4 oz.
SS13	E502264-13A	Soil	02/25/25	02/25/25	Glass Jar, 4 oz.

Sample Data

Cottonwood Consulting	Project Name:	Huerfanito Unit #083E	
PO Box 1653	Project Number:	20035-C-0001	**Reported:**
Durango CO, 81302	Project Manager:	Kyle Siesser	3/4/2025 3:08:23PM

SS01

E502264-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2509099
Benzene	ND	0.0250	1	02/27/25	02/28/25	
Ethylbenzene	ND	0.0250	1	02/27/25	02/28/25	
Toluene	ND	0.0250	1	02/27/25	02/28/25	
o-Xylene	ND	0.0250	1	02/27/25	02/28/25	
p,m-Xylene	ND	0.0500	1	02/27/25	02/28/25	
Total Xylenes	ND	0.0250	1	02/27/25	02/28/25	
Surrogate: 4-Bromochlorobenzene-PID		*92.0 %*	*70-130*	*02/27/25*	*02/28/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2509099
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/27/25	02/28/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.1 %*	*70-130*	*02/27/25*	*02/28/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2509095
Diesel Range Organics (C10-C28)	ND	25.0	1	02/27/25	02/27/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/27/25	02/27/25	
Surrogate: n-Nonane		*99.8 %*	*61-141*	*02/27/25*	*02/27/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2509102
Chloride	ND	20.0	1	02/27/25	02/27/25	

Sample Data

Cottonwood Consulting	Project Name:	Huerfanito Unit #083E	
PO Box 1653	Project Number:	20035-C-0001	**Reported:**
Durango CO, 81302	Project Manager:	Kyle Siesser	3/4/2025 3:08:23PM

SS02

E502264-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2509099
Benzene	ND	0.0250	1	02/27/25	02/28/25	
Ethylbenzene	ND	0.0250	1	02/27/25	02/28/25	
Toluene	ND	0.0250	1	02/27/25	02/28/25	
o-Xylene	ND	0.0250	1	02/27/25	02/28/25	
p,m-Xylene	ND	0.0500	1	02/27/25	02/28/25	
Total Xylenes	ND	0.0250	1	02/27/25	02/28/25	
Surrogate: 4-Bromochlorobenzene-PID		*91.6 %*	*70-130*	*02/27/25*	*02/28/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2509099
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/27/25	02/28/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.7 %*	*70-130*	*02/27/25*	*02/28/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2509095
Diesel Range Organics (C10-C28)	ND	25.0	1	02/27/25	02/27/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/27/25	02/27/25	
Surrogate: n-Nonane		*103 %*	*61-141*	*02/27/25*	*02/27/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2509102
Chloride	ND	20.0	1	02/27/25	02/27/25	

Sample Data

Cottonwood Consulting	Project Name:	Huerfanito Unit #083E	
PO Box 1653	Project Number:	20035-C-0001	**Reported:**
Durango CO, 81302	Project Manager:	Kyle Siesser	3/4/2025 3:08:23PM

SS03

E502264-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2509099
Benzene	ND	0.0250	1	02/27/25	02/28/25	
Ethylbenzene	ND	0.0250	1	02/27/25	02/28/25	
Toluene	ND	0.0250	1	02/27/25	02/28/25	
o-Xylene	ND	0.0250	1	02/27/25	02/28/25	
p,m-Xylene	ND	0.0500	1	02/27/25	02/28/25	
Total Xylenes	ND	0.0250	1	02/27/25	02/28/25	
Surrogate: 4-Bromochlorobenzene-PID		*90.6 %*	*70-130*	*02/27/25*	*02/28/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2509099
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/27/25	02/28/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.6 %*	*70-130*	*02/27/25*	*02/28/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2509095
Diesel Range Organics (C10-C28)	ND	25.0	1	02/27/25	02/27/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/27/25	02/27/25	
Surrogate: n-Nonane		*101 %*	*61-141*	*02/27/25*	*02/27/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2509102
Chloride	ND	20.0	1	02/27/25	02/27/25	

Sample Data

Cottonwood Consulting	Project Name:	Huerfanito Unit #083E	
PO Box 1653	Project Number:	20035-C-0001	**Reported:**
Durango CO, 81302	Project Manager:	Kyle Siesser	3/4/2025 3:08:23PM

SS04

E502264-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2509099
Benzene	ND	0.0250	1	02/27/25	02/28/25	
Ethylbenzene	ND	0.0250	1	02/27/25	02/28/25	
Toluene	ND	0.0250	1	02/27/25	02/28/25	
o-Xylene	ND	0.0250	1	02/27/25	02/28/25	
p,m-Xylene	ND	0.0500	1	02/27/25	02/28/25	
Total Xylenes	ND	0.0250	1	02/27/25	02/28/25	
Surrogate: 4-Bromochlorobenzene-PID		*90.4 %*	*70-130*	*02/27/25*	*02/28/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2509099
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/27/25	02/28/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.8 %*	*70-130*	*02/27/25*	*02/28/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2509095
Diesel Range Organics (C10-C28)	ND	25.0	1	02/27/25	02/27/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/27/25	02/27/25	
Surrogate: n-Nonane		*103 %*	*61-141*	*02/27/25*	*02/27/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2509102
Chloride	ND	20.0	1	02/27/25	02/27/25	

Sample Data

Cottonwood Consulting	Project Name:	Huerfanito Unit #083E	
PO Box 1653	Project Number:	20035-C-0001	**Reported:**
Durango CO, 81302	Project Manager:	Kyle Siesser	3/4/2025 3:08:23PM

SS05

E502264-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2509099
Benzene	ND	0.0250	1	02/27/25	02/28/25	
Ethylbenzene	ND	0.0250	1	02/27/25	02/28/25	
Toluene	ND	0.0250	1	02/27/25	02/28/25	
o-Xylene	ND	0.0250	1	02/27/25	02/28/25	
p,m-Xylene	ND	0.0500	1	02/27/25	02/28/25	
Total Xylenes	ND	0.0250	1	02/27/25	02/28/25	
Surrogate: 4-Bromochlorobenzene-PID		*90.4 %*	*70-130*	*02/27/25*	*02/28/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2509099
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/27/25	02/28/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.1 %*	*70-130*	*02/27/25*	*02/28/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2509095
Diesel Range Organics (C10-C28)	ND	25.0	1	02/27/25	02/27/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/27/25	02/27/25	
Surrogate: n-Nonane		*103 %*	*61-141*	*02/27/25*	*02/27/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2509102
Chloride	ND	20.0	1	02/27/25	02/27/25	

Sample Data

Cottonwood Consulting	Project Name:	Huerfanito Unit #083E	
PO Box 1653	Project Number:	20035-C-0001	**Reported:**
Durango CO, 81302	Project Manager:	Kyle Siesser	3/4/2025 3:08:23PM

SS06

E502264-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2509099
Benzene	ND	0.0250	1	02/27/25	02/28/25	
Ethylbenzene	ND	0.0250	1	02/27/25	02/28/25	
Toluene	ND	0.0250	1	02/27/25	02/28/25	
o-Xylene	ND	0.0250	1	02/27/25	02/28/25	
p,m-Xylene	ND	0.0500	1	02/27/25	02/28/25	
Total Xylenes	ND	0.0250	1	02/27/25	02/28/25	
Surrogate: 4-Bromochlorobenzene-PID		*92.3 %*	*70-130*	*02/27/25*	*02/28/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2509099
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/27/25	02/28/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.2 %*	*70-130*	*02/27/25*	*02/28/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2509095
Diesel Range Organics (C10-C28)	ND	25.0	1	02/27/25	02/27/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/27/25	02/27/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*02/27/25*	*02/27/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2509102
Chloride	ND	20.0	1	02/27/25	02/27/25	

Sample Data

Cottonwood Consulting	Project Name:	Huerfanito Unit #083E	
PO Box 1653	Project Number:	20035-C-0001	**Reported:**
Durango CO, 81302	Project Manager:	Kyle Siesser	3/4/2025 3:08:23PM

SS07

E502264-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2509099
Benzene	ND	0.0250	1	02/27/25	02/28/25	
Ethylbenzene	ND	0.0250	1	02/27/25	02/28/25	
Toluene	ND	0.0250	1	02/27/25	02/28/25	
o-Xylene	ND	0.0250	1	02/27/25	02/28/25	
p,m-Xylene	ND	0.0500	1	02/27/25	02/28/25	
Total Xylenes	ND	0.0250	1	02/27/25	02/28/25	
Surrogate: 4-Bromochlorobenzene-PID		*90.0 %*	*70-130*	*02/27/25*	*02/28/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2509099
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/27/25	02/28/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.1 %*	*70-130*	*02/27/25*	*02/28/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2509095
Diesel Range Organics (C10-C28)	ND	25.0	1	02/27/25	02/27/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/27/25	02/27/25	
Surrogate: n-Nonane		*103 %*	*61-141*	*02/27/25*	*02/27/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2509102
Chloride	ND	20.0	1	02/27/25	02/27/25	

Sample Data

Cottonwood Consulting	Project Name:	Huerfanito Unit #083E	
PO Box 1653	Project Number:	20035-C-0001	**Reported:**
Durango CO, 81302	Project Manager:	Kyle Siesser	3/4/2025 3:08:23PM

SS08

E502264-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2509099
Benzene	ND	0.0250	1	02/27/25	02/28/25	
Ethylbenzene	ND	0.0250	1	02/27/25	02/28/25	
Toluene	ND	0.0250	1	02/27/25	02/28/25	
o-Xylene	ND	0.0250	1	02/27/25	02/28/25	
p,m-Xylene	ND	0.0500	1	02/27/25	02/28/25	
Total Xylenes	ND	0.0250	1	02/27/25	02/28/25	
Surrogate: 4-Bromochlorobenzene-PID		*89.1 %*	*70-130*	*02/27/25*	*02/28/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2509099
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/27/25	02/28/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.8 %*	*70-130*	*02/27/25*	*02/28/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2509095
Diesel Range Organics (C10-C28)	ND	25.0	1	02/27/25	02/27/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/27/25	02/27/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*02/27/25*	*02/27/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2509102
Chloride	ND	20.0	1	02/27/25	02/27/25	

Sample Data

Cottonwood Consulting	Project Name:	Huerfanito Unit #083E	
PO Box 1653	Project Number:	20035-C-0001	**Reported:**
Durango CO, 81302	Project Manager:	Kyle Siesser	3/4/2025 3:08:23PM

SS09

E502264-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2509099
Benzene	ND	0.0250	1	02/27/25	03/01/25	
Ethylbenzene	ND	0.0250	1	02/27/25	03/01/25	
Toluene	ND	0.0250	1	02/27/25	03/01/25	
o-Xylene	ND	0.0250	1	02/27/25	03/01/25	
p,m-Xylene	ND	0.0500	1	02/27/25	03/01/25	
Total Xylenes	ND	0.0250	1	02/27/25	03/01/25	
Surrogate: 4-Bromochlorobenzene-PID		*86.2 %*	*70-130*	*02/27/25*	*03/01/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2509099
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/27/25	03/01/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.1 %*	*70-130*	*02/27/25*	*03/01/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2509095
Diesel Range Organics (C10-C28)	ND	25.0	1	02/27/25	02/27/25	
Oil Range Organics (C28-C36)	ND	50.0	1	02/27/25	02/27/25	
Surrogate: n-Nonane		*100 %*	*61-141*	*02/27/25*	*02/27/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2509102
Chloride	ND	20.0	1	02/27/25	02/27/25	

Sample Data

Cottonwood Consulting	Project Name:	Huerfanito Unit #083E	
PO Box 1653	Project Number:	20035-C-0001	**Reported:**
Durango CO, 81302	Project Manager:	Kyle Siesser	3/4/2025 3:08:23PM

SS10

E502264-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2509099
Benzene	**30.4**	2.50	100	02/27/25	03/03/25	
Ethylbenzene	**59.9**	2.50	100	02/27/25	03/03/25	
Toluene	**498**	2.50	100	02/27/25	03/03/25	
o-Xylene	**127**	2.50	100	02/27/25	03/03/25	
p,m-Xylene	**660**	5.00	100	02/27/25	03/03/25	
Total Xylenes	**787**	2.50	100	02/27/25	03/03/25	
Surrogate: 4-Bromochlorobenzene-PID		*99.1 %*	*70-130*	*02/27/25*	*03/03/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2509099
Gasoline Range Organics (C6-C10)	**6670**	2000	100	02/27/25	03/03/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.7 %*	*70-130*	*02/27/25*	*03/03/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2509095
Diesel Range Organics (C10-C28)	**1830**	25.0	1	02/27/25	02/27/25	T9
Oil Range Organics (C28-C36)	ND	50.0	1	02/27/25	02/27/25	
Surrogate: n-Nonane		*852 %*	*61-141*	*02/27/25*	*02/27/25*	*S5*
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2509102
Chloride	ND	20.0	1	02/27/25	02/27/25	

Sample Data

Cottonwood Consulting	Project Name:	Huerfanito Unit #083E	
PO Box 1653	Project Number:	20035-C-0001	**Reported:**
Durango CO, 81302	Project Manager:	Kyle Siesser	3/4/2025 3:08:23PM

SS11

E502264-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2509099
Benzene	**29.0**	2.50	100	02/27/25	03/03/25	
Ethylbenzene	**68.2**	2.50	100	02/27/25	03/03/25	
Toluene	**537**	2.50	100	02/27/25	03/03/25	
o-Xylene	**146**	2.50	100	02/27/25	03/03/25	
p,m-Xylene	**752**	5.00	100	02/27/25	03/03/25	
Total Xylenes	**898**	2.50	100	02/27/25	03/03/25	
Surrogate: 4-Bromochlorobenzene-PID		*99.3 %*	*70-130*	*02/27/25*	*03/03/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2509099
Gasoline Range Organics (C6-C10)	**7760**	2000	100	02/27/25	03/03/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*99.6 %*	*70-130*	*02/27/25*	*03/03/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2509095
Diesel Range Organics (C10-C28)	**2840**	25.0	1	02/27/25	02/27/25	T9
Oil Range Organics (C28-C36)	**74.1**	50.0	1	02/27/25	02/27/25	
Surrogate: n-Nonane		*1290 %*	*61-141*	*02/27/25*	*02/27/25*	*S5*
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2509102
Chloride	ND	20.0	1	02/27/25	02/27/25	

Sample Data

Cottonwood Consulting	Project Name:	Huerfanito Unit #083E	
PO Box 1653	Project Number:	20035-C-0001	**Reported:**
Durango CO, 81302	Project Manager:	Kyle Siesser	3/4/2025 3:08:23PM

SS12

E502264-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2509099
Benzene	**38.3**	2.50	100	02/27/25	03/03/25	
Ethylbenzene	**73.3**	2.50	100	02/27/25	03/03/25	
Toluene	**621**	2.50	100	02/27/25	03/03/25	
o-Xylene	**154**	2.50	100	02/27/25	03/03/25	
p,m-Xylene	**803**	5.00	100	02/27/25	03/03/25	
Total Xylenes	**957**	2.50	100	02/27/25	03/03/25	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*02/27/25*	*03/03/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2509099
Gasoline Range Organics (C6-C10)	**7630**	2000	100	02/27/25	03/03/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.7 %*	*70-130*	*02/27/25*	*03/03/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2509095
Diesel Range Organics (C10-C28)	**2880**	25.0	1	02/27/25	02/27/25	T9
Oil Range Organics (C28-C36)	**77.3**	50.0	1	02/27/25	02/27/25	
Surrogate: n-Nonane		*1250 %*	*61-141*	*02/27/25*	*02/27/25*	*S5*
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2509102
Chloride	ND	20.0	1	02/27/25	02/27/25	

Sample Data

Cottonwood Consulting	Project Name:	Huerfanito Unit #083E	
PO Box 1653	Project Number:	20035-C-0001	**Reported:**
Durango CO, 81302	Project Manager:	Kyle Siesser	3/4/2025 3:08:23PM

SS13

E502264-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2509099
Benzene	**23.3**	2.50	100	02/27/25	03/03/25	
Ethylbenzene	**49.8**	2.50	100	02/27/25	03/03/25	
Toluene	**387**	2.50	100	02/27/25	03/03/25	
o-Xylene	**109**	2.50	100	02/27/25	03/03/25	
p,m-Xylene	**554**	5.00	100	02/27/25	03/03/25	
Total Xylenes	**663**	2.50	100	02/27/25	03/03/25	
Surrogate: 4-Bromochlorobenzene-PID		*101 %*	*70-130*	*02/27/25*	*03/03/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2509099
Gasoline Range Organics (C6-C10)	**5930**	2000	100	02/27/25	03/03/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*96.3 %*	*70-130*	*02/27/25*	*03/03/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KH			Batch: 2509095
Diesel Range Organics (C10-C28)	**1960**	25.0	1	02/27/25	02/28/25	T9
Oil Range Organics (C28-C36)	**119**	50.0	1	02/27/25	02/28/25	
Surrogate: n-Nonane		*885 %*	*61-141*	*02/27/25*	*02/28/25*	*S5*
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2509102
Chloride	ND	20.0	1	02/27/25	02/27/25	

QC Summary Data

Cottonwood Consulting	Project Name:	Huerfanito Unit #083E	**Reported:**
PO Box 1653	Project Number:	20035-C-0001	
Durango CO, 81302	Project Manager:	Kyle Siesser	3/4/2025 3:08:23PM

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2509099-BLK1)									Prepared: 02/27/25 Analyzed: 02/28/25
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	*7.41*		*8.00*		*92.6*	*70-130*			
LCS (2509099-BS1)									Prepared: 02/27/25 Analyzed: 02/28/25
Benzene	5.75	0.0250	5.00		115	70-130			
Ethylbenzene	5.62	0.0250	5.00		112	70-130			
Toluene	5.70	0.0250	5.00		114	70-130			
o-Xylene	5.59	0.0250	5.00		112	70-130			
p,m-Xylene	11.4	0.0500	10.0		114	70-130			
Total Xylenes	17.0	0.0250	15.0		113	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.38*		*8.00*		*92.2*	*70-130*			
Matrix Spike (2509099-MS1)				**Source: E502264-06**					Prepared: 02/27/25 Analyzed: 02/28/25
Benzene	5.31	0.0250	5.00	ND	106	54-133			
Ethylbenzene	5.20	0.0250	5.00	ND	104	61-133			
Toluene	5.27	0.0250	5.00	ND	105	61-130			
o-Xylene	5.17	0.0250	5.00	ND	103	63-131			
p,m-Xylene	10.6	0.0500	10.0	ND	106	63-131			
Total Xylenes	15.7	0.0250	15.0	ND	105	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.48*		*8.00*		*93.5*	*70-130*			
Matrix Spike Dup (2509099-MSD1)				**Source: E502264-06**					Prepared: 02/27/25 Analyzed: 02/28/25
Benzene	5.63	0.0250	5.00	ND	113	54-133	5.78	20	
Ethylbenzene	5.51	0.0250	5.00	ND	110	61-133	5.86	20	
Toluene	5.59	0.0250	5.00	ND	112	61-130	5.86	20	
o-Xylene	5.50	0.0250	5.00	ND	110	63-131	6.18	20	
p,m-Xylene	11.2	0.0500	10.0	ND	112	63-131	5.84	20	
Total Xylenes	16.7	0.0250	15.0	ND	111	63-131	5.95	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.50*		*8.00*		*93.8*	*70-130*			

QC Summary Data

Cottonwood Consulting	Project Name:	Huerfanito Unit #083E	**Reported:**
PO Box 1653	Project Number:	20035-C-0001	
Durango CO, 81302	Project Manager:	Kyle Siesser	3/4/2025 3:08:23PM

Nonhalogenated Organics by EPA 8015D - GRO

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 (2509099-BLK1)									Prepared: 02/27/25 Analyzed: 02/28/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.26*		*8.00*		*90.8*	*70-130*			
LCS (2509099-BS2)									Prepared: 02/27/25 Analyzed: 02/28/25
Gasoline Range Organics (C6-C10)	47.8	20.0	50.0		95.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.46*		*8.00*		*93.3*	*70-130*			
Matrix Spike (2509099-MS2)				**Source: E502264-06**					Prepared: 02/27/25 Analyzed: 02/28/25
Gasoline Range Organics (C6-C10)	46.5	20.0	50.0	ND	93.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.44*		*8.00*		*93.1*	*70-130*			
Matrix Spike Dup (2509099-MSD2)				**Source: E502264-06**					Prepared: 02/27/25 Analyzed: 02/28/25
Gasoline Range Organics (C6-C10)	45.5	20.0	50.0	ND	91.0	70-130	2.17	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.41*		*8.00*		*92.7*	*70-130*			

QC Summary Data

Cottonwood Consulting	Project Name:	Huerfanito Unit #083E	**Reported:**
PO Box 1653	Project Number:	20035-C-0001	
Durango CO, 81302	Project Manager:	Kyle Siesser	3/4/2025 3:08:23PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KH

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2509095-BLK1)									Prepared: 02/27/25 Analyzed: 02/27/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*49.4*		*50.0*		*98.7*	*61-141*			
LCS (2509095-BS1)									Prepared: 02/27/25 Analyzed: 02/27/25
Diesel Range Organics (C10-C28)	229	25.0	250		91.5	66-144			
Surrogate: n-Nonane	*51.2*		*50.0*		*102*	*61-141*			
Matrix Spike (2509095-MS1)				**Source: E502264-10**					Prepared: 02/27/25 Analyzed: 02/27/25
Diesel Range Organics (C10-C28)	2160	25.0	250	1830	131	56-156			T9
Surrogate: n-Nonane	*444*		*50.0*		*887*	*61-141*			*S5*
Matrix Spike Dup (2509095-MSD1)				**Source: E502264-10**					Prepared: 02/27/25 Analyzed: 02/27/25
Diesel Range Organics (C10-C28)	2170	25.0	250	1830	133	56-156	0.304	20	T9
Surrogate: n-Nonane	*933*		*50.0*		*NR*	*61-141*			*S5*

QC Summary Data

Cottonwood Consulting	Project Name:	Huerfanito Unit #083E	**Reported:**
PO Box 1653	Project Number:	20035-C-0001	
Durango CO, 81302	Project Manager:	Kyle Siesser	3/4/2025 3:08:23PM

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 (2509102-BLK1)									Prepared: 02/27/25 Analyzed: 02/27/25
Chloride	ND	20.0							
LCS (2509102-BS1)									Prepared: 02/27/25 Analyzed: 02/27/25
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2509102-MS1)				**Source: E502264-04**					Prepared: 02/27/25 Analyzed: 02/27/25
Chloride	254	20.0	250	ND	102	80-120			
Matrix Spike Dup (2509102-MSD1)				**Source: E502264-04**					Prepared: 02/27/25 Analyzed: 02/27/25
Chloride	254	20.0	250	ND	102	80-120	0.0185	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

Cottonwood Consulting	Project Name:	Huerfanito Unit #083E	
PO Box 1653	Project Number:	20035-C-0001	**Reported:**
Durango CO, 81302	Project Manager:	Kyle Siesser	03/04/25 15:08

S5	Surrogate spike recovery exceeded acceptance limits due to interfering target and/or non-target analytes.
T9	DRO includes undifferentiated early eluting analytes characteristic of GRO.
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:	Cottonwood Consulting
Project:	Huerfanito Unit #083E
Project Manager:	Kyle Siesser
Address:	PO Box 1653
City, State, Zip	Durango, CO 81302
Phone:	970-764-7356
Email:	ksiesser@cottonwoodconsulting.com
Report due by:	

Bill To

Attention:
Address:
City, State, Zip
Phone:
Email:

Lab Use Only

Lab WO# E502204 | Job Number 20035.C.0001

TAT: 1D | 2D | 3D | Standard ✓

EPA Program: CWA | SDWA | RCRA

State: NM x | CO | UT | AZ | TX

Analysis and Method: DRO 8015 | GRO/DRO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	Remarks
1010	2/25/25	Soil	1	SS01	1	✓	✓	✓			✓	
1020	↓	↓	↓	SS02	2	↓	↓	↓			↓	
1030				SS03	3							
1040				SS04	4							
1050				SS05	5							
1100				SS06	6							
1120				SS07	7							
1130				SS08	8							
1215				SS09	9							
1245	↓	↓	↓	SS10	10	↓	↓	↓			↓	

Additional Instructions:
please cc emillar@cottonwoodconsulting.com, kobrien@cottonwoodconsulting.com, jlafortune@cottonwoodconsulting.com, and dsonger@cottonwoodconsulting.com with results

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: Dylan Songer & Jason Lafortune

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
	2/25/25	1534		2/25/25	1535
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

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:	Cottonwood Consulting
Project:	Huerfanito Unit #083E
Project Manager:	Kyle Siesser
Address:	PO Box 1653
City, State, Zip	Durango, CO 81302
Phone:	970-764-7356
Email:	ksiesser@cottonwoodconsulting.com
Report due by:	

Bill To

Attention:	
Address:	
City, State, Zip	
Phone:	
Email:	

Lab Use Only

Lab WO# E502204 | Job Number 20035-C-0001

TAT: 1D | 2D | 3D | Standard ✓

EPA Program: CWA | SDWA | RCRA

State: NM x | CO | UT | AZ | TX

Analysis and Method: DRO 8015 | GRO/DRO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	Remarks
1310	2/25/25	Soil	1	SS11	11	✓	✓	✓			✓	
1330	↓	↓	↓	SS12	12	↓	↓	↓			↓	
1345	↓	↓	↓	SS13	13	↓	↓	↓			↓	

Additional Instructions:
please cc emillar@cottonwoodconsulting.com, kobrien@cottonwoodconsulting.com, jlafortune@cottonwoodconsulting.com, and dsonger@cottonwoodconsulting.com with results

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: Dylan Songer + Jason Lafortune

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
	2/25/25	1534		2/25/25	1535
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

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: 2/26/2025 12:07:21PM

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:	Cottonwood Consulting	Date Received:	02/25/25 15:35	Work Order ID:	E502264
Phone:	970-764-7356	Date Logged In:	02/26/25 12:04	Logged In By:	Caitlin Mars
Email:	ksiesser@cottonwoodconsulting.com	Due Date:	03/04/25 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: Dylan Songer
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

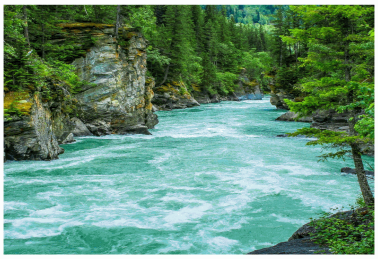
Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

Kyle Siesser



5796 U.S. Hwy 64
Farmington, NM 87401

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

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Practical Solutions for a Better Tomorrow

Analytical Report

Cottonwood Consulting

Project Name:	Huerfanito Unit #083E
Work Order:	E505078
Job Number:	20035-C-0001
Received:	5/7/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
5/8/25

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 5/8/25

Kyle Siesser
PO Box 1653
Durango, CO 81302

Project Name: Huerfanito Unit #083E
Workorder: E505078
Date Received: 5/7/2025 8:04:00AM

Kyle Siesser,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/7/2025 8:04:00AM, under the Project Name: Huerfanito Unit #083E.

The analytical test results summarized in this report with the Project Name: Huerfanito Unit #083E apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

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Table of Contents

Sample Summary

Cottonwood Consulting	Project Name:	Huerfanito Unit #083E	**Reported:**
PO Box 1653	Project Number:	20035-C-0001	
Durango CO, 81302	Project Manager:	Kyle Siesser	05/08/25 14:20

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH-01 (14-16')	E505078-01A	Soil	05/06/25	05/07/25	Glass Jar, 4 oz.
BH-02 (24-26')	E505078-02A	Soil	05/06/25	05/07/25	Glass Jar, 4 oz.

Sample Data

Cottonwood Consulting	Project Name:	Huerfanito Unit #083E	
PO Box 1653	Project Number:	20035-C-0001	**Reported:**
Durango CO, 81302	Project Manager:	Kyle Siesser	5/8/2025 2:20:11PM

BH-01 (14-16')

E505078-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2519039
Benzene	ND	0.0250	1	05/07/25	05/07/25	
Ethylbenzene	ND	0.0250	1	05/07/25	05/07/25	
Toluene	ND	0.0250	1	05/07/25	05/07/25	
o-Xylene	**0.0782**	0.0250	1	05/07/25	05/07/25	
p,m-Xylene	**0.152**	0.0500	1	05/07/25	05/07/25	
Total Xylenes	**0.230**	0.0250	1	05/07/25	05/07/25	
Surrogate: 4-Bromochlorobenzene-PID		*139 %*	*70-130*	*05/07/25*	*05/07/25*	*S5*
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2519039
Gasoline Range Organics (C6-C10)	**22.2**	20.0	1	05/07/25	05/07/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*77.5 %*	*70-130*	*05/07/25*	*05/07/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2519072
Diesel Range Organics (C10-C28)	**6100**	25.0	1	05/07/25	05/07/25	T9
Oil Range Organics (C28-C36)	**315**	50.0	1	05/07/25	05/07/25	
Surrogate: n-Nonane		*149 %*	*61-141*	*05/07/25*	*05/07/25*	*S5*
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2519075
Chloride	ND	20.0	1	05/07/25	05/07/25	

Sample Data

Cottonwood Consulting	Project Name:	Huerfanito Unit #083E	
PO Box 1653	Project Number:	20035-C-0001	**Reported:**
Durango CO, 81302	Project Manager:	Kyle Siesser	5/8/2025 2:20:11PM

BH-02 (24-26')

E505078-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2519039
Benzene	ND	0.0250	1	05/07/25	05/07/25	
Ethylbenzene	**0.0568**	0.0250	1	05/07/25	05/07/25	
Toluene	**0.0559**	0.0250	1	05/07/25	05/07/25	
o-Xylene	**0.148**	0.0250	1	05/07/25	05/07/25	
p,m-Xylene	**0.531**	0.0500	1	05/07/25	05/07/25	
Total Xylenes	**0.679**	0.0250	1	05/07/25	05/07/25	
Surrogate: 4-Bromochlorobenzene-PID		*111 %*	*70-130*	*05/07/25*	*05/07/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2519039
Gasoline Range Organics (C6-C10)	**21.9**	20.0	1	05/07/25	05/07/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.6 %*	*70-130*	*05/07/25*	*05/07/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV			Batch: 2519072
Diesel Range Organics (C10-C28)	ND	25.0	1	05/07/25	05/07/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/07/25	05/07/25	
Surrogate: n-Nonane		*105 %*	*61-141*	*05/07/25*	*05/07/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2519075
Chloride	ND	20.0	1	05/07/25	05/07/25	

QC Summary Data

Cottonwood Consulting	Project Name:	Huerfanito Unit #083E	**Reported:**
PO Box 1653	Project Number:	20035-C-0001	
Durango CO, 81302	Project Manager:	Kyle Siesser	5/8/2025 2:20:11PM

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2519039-BLK1)									Prepared: 05/06/25 Analyzed: 05/06/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*8.74*		*8.00*		*109*	*70-130*			
LCS (2519039-BS1)									Prepared: 05/06/25 Analyzed: 05/06/25
Benzene	5.13	0.0250	5.00		103	70-130			
Ethylbenzene	5.12	0.0250	5.00		102	70-130			
Toluene	5.14	0.0250	5.00		103	70-130			
o-Xylene	5.03	0.0250	5.00		101	70-130			
p,m-Xylene	10.3	0.0500	10.0		103	70-130			
Total Xylenes	15.3	0.0250	15.0		102	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.86*		*8.00*		*111*	*70-130*			
Matrix Spike (2519039-MS1)				**Source: E505055-04**					Prepared: 05/06/25 Analyzed: 05/06/25
Benzene	5.30	0.0250	5.00	ND	106	70-130			
Ethylbenzene	5.29	0.0250	5.00	ND	106	70-130			
Toluene	5.32	0.0250	5.00	ND	106	70-130			
o-Xylene	5.20	0.0250	5.00	ND	104	70-130			
p,m-Xylene	10.6	0.0500	10.0	ND	106	70-130			
Total Xylenes	15.8	0.0250	15.0	ND	106	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.81*		*8.00*		*110*	*70-130*			
Matrix Spike Dup (2519039-MSD1)				**Source: E505055-04**					Prepared: 05/06/25 Analyzed: 05/06/25
Benzene	5.14	0.0250	5.00	ND	103	70-130	3.03	27	
Ethylbenzene	5.14	0.0250	5.00	ND	103	70-130	2.76	26	
Toluene	5.16	0.0250	5.00	ND	103	70-130	2.89	20	
o-Xylene	5.06	0.0250	5.00	ND	101	70-130	2.59	25	
p,m-Xylene	10.4	0.0500	10.0	ND	104	70-130	2.60	23	
Total Xylenes	15.4	0.0250	15.0	ND	103	70-130	2.60	26	
Surrogate: 4-Bromochlorobenzene-PID	*8.88*		*8.00*		*111*	*70-130*			

QC Summary Data

Cottonwood Consulting	Project Name:	Huerfanito Unit #083E	**Reported:**
PO Box 1653	Project Number:	20035-C-0001	
Durango CO, 81302	Project Manager:	Kyle Siesser	5/8/2025 2:20:11PM

Nonhalogenated Organics by EPA 8015D - GRO

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 (2519039-BLK1)									Prepared: 05/06/25 Analyzed: 05/06/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.92*		*8.00*		*99.0*	*70-130*			
LCS (2519039-BS2)									Prepared: 05/06/25 Analyzed: 05/06/25
Gasoline Range Organics (C6-C10)	46.7	20.0	50.0		93.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.99*		*8.00*		*99.8*	*70-130*			
Matrix Spike (2519039-MS2)				**Source: E505055-04**					Prepared: 05/06/25 Analyzed: 05/06/25
Gasoline Range Organics (C6-C10)	48.8	20.0	50.0	ND	97.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.84*		*8.00*		*98.1*	*70-130*			
Matrix Spike Dup (2519039-MSD2)				**Source: E505055-04**					Prepared: 05/06/25 Analyzed: 05/06/25
Gasoline Range Organics (C6-C10)	46.8	20.0	50.0	ND	93.5	70-130	4.18	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.95*		*8.00*		*99.4*	*70-130*			

QC Summary Data

Cottonwood Consulting	Project Name:	Huerfanito Unit #083E	**Reported:**
PO Box 1653	Project Number:	20035-C-0001	
Durango CO, 81302	Project Manager:	Kyle Siesser	5/8/2025 2:20:11PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2519072-BLK1)									Prepared: 05/07/25 Analyzed: 05/07/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*52.7*		*50.0*		*105*	*61-141*			
LCS (2519072-BS1)									Prepared: 05/07/25 Analyzed: 05/07/25
Diesel Range Organics (C10-C28)	281	25.0	250		112	66-144			
Surrogate: n-Nonane	*50.6*		*50.0*		*101*	*61-141*			
Matrix Spike (2519072-MS1)				**Source: E505078-01**					Prepared: 05/07/25 Analyzed: 05/07/25
Diesel Range Organics (C10-C28)	6010	25.0	250	6100	NR	56-156			M4
Surrogate: n-Nonane	*53.0*		*50.0*		*106*	*61-141*			
Matrix Spike Dup (2519072-MSD1)				**Source: E505078-01**					Prepared: 05/07/25 Analyzed: 05/07/25
Diesel Range Organics (C10-C28)	5990	25.0	250	6100	NR	56-156	0.278	20	M4
Surrogate: n-Nonane	*51.0*		*50.0*		*102*	*61-141*			

QC Summary Data

Cottonwood Consulting	Project Name:	Huerfanito Unit #083E	**Reported:**
PO Box 1653	Project Number:	20035-C-0001	
Durango CO, 81302	Project Manager:	Kyle Siesser	5/8/2025 2:20:11PM

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 (2519075-BLK1)									Prepared: 05/07/25 Analyzed: 05/07/25
Chloride	ND	20.0							
LCS (2519075-BS1)									Prepared: 05/07/25 Analyzed: 05/07/25
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2519075-MS1)				**Source: E505078-01**					Prepared: 05/07/25 Analyzed: 05/07/25
Chloride	256	20.0	250	ND	103	80-120			
Matrix Spike Dup (2519075-MSD1)				**Source: E505078-01**					Prepared: 05/07/25 Analyzed: 05/07/25
Chloride	257	20.0	250	ND	103	80-120	0.164	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

Cottonwood Consulting	Project Name:	Huerfanito Unit #083E	
PO Box 1653	Project Number:	20035-C-0001	**Reported:**
Durango CO, 81302	Project Manager:	Kyle Siesser	05/08/25 14:20

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.
S5	Surrogate spike recovery exceeded acceptance limits due to interfering target and/or non-target analytes.
T9	DRO includes undifferentiated early eluting analytes characteristic of GRO.
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.

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Cottonwood Consulting LLC	Company:	Lab WO# E505078	1D:	NM: X
Project Name: Huerfanito Unit #083E	Address:	Job Number 2035.C.0001	2D:	CO:
Project Manager: Kyle Siesser	City, State, Zip:		3D:	UT:
Address: PO Box 1653	Phone:		Std: X	TX:
City, State, Zip: Durango, CO 81302	Email:			
Phone: 970 764 3756	Miscellaneous:			
Email: ksiesser@cottonwoodconsulting.com				

Analysis and Method / **EPA Program**

EPA Program: SDWA | CWA | RCRA

Compliance: Y or N

PWSID #:

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX		Sample Temp	Remarks
1300	5-6-25	Soil	1	BH-01 (14-16')		1	X	X	X		X							4.3	Standard Turnaround
1450	5-6-25	Soil	1	BH-02 (24-26')		2	X	X	X		X							4.10	Rush, Please provide Results ASAP

Additional Instructions: Please email results to kobrien@cottonwoodconsulting, jlafortune@cottonwodconsulting & emilar@cottonwoodconsulting.com. Please Rush BH-02 Standard turnaround on BH-01

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

Sampled by: Joseph LaFortune / Kyle Siesser

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	5-7-25	0804	Cath Mar	5.7.25	8:04

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

Lab Use Only

Received on ice: (Y)/ N

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

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

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

Envirotech Analytical Laboratory

Printed: 5/7/2025 11:56:53AM

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:	Cottonwood Consulting	Date Received:	05/07/25 08:04	Work Order ID:	E505078
Phone:	970-764-7356	Date Logged In:	05/07/25 08:06	Logged In By:	Caitlin Mars
Email:	ksiesser@cottonwoodconsulting.com	Due Date:	05/07/25 17:00 (0 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: AJ
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? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling	Yes
13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.	

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

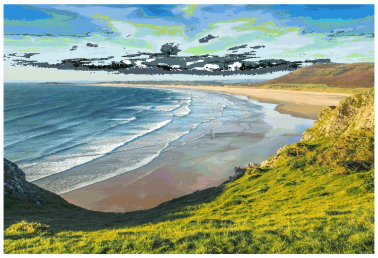
Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

Kyle Siesser



5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Cottonwood Consulting

Project Name:	Huerfanito Unit #083E
Work Order:	E505170
Job Number:	20035-C-0001
Received:	5/7/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
5/15/25

Date Reported: 5/15/25

Kyle Siesser
PO Box 1653
Durango, CO 81302

Project Name: Huerfanito Unit #083E
Workorder: E505170
Date Received: 5/7/2025 4:41:00PM

Kyle Siesser,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/7/2025 4:41:00PM, under the Project Name: Huerfanito Unit #083E.

The analytical test results summarized in this report with the Project Name: Huerfanito Unit #083E apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

Field Offices:

Southern New Mexico Area

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ljarboe@envirotech-inc.com

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Client Representative
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mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

Cottonwood Consulting	Project Name:	Huerfanito Unit #083E	**Reported:**
PO Box 1653	Project Number:	20035-C-0001	
Durango CO, 81302	Project Manager:	Kyle Siesser	05/15/25 15:24

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH-03 (18-20')	E505170-01A	Soil	05/07/25	05/07/25	Glass Jar, 4 oz.
BH-04 (18-20')	E505170-02A	Soil	05/07/25	05/07/25	Glass Jar, 4 oz.
BH-05 (14-16')	E505170-03A	Soil	05/07/25	05/07/25	Glass Jar, 4 oz.
BH-05 (22-24')	E505170-04A	Soil	05/07/25	05/07/25	Glass Jar, 4 oz.
BH-06 (18-20')	E505170-05A	Soil	05/07/25	05/07/25	Glass Jar, 4 oz.

Sample Data

Cottonwood Consulting	Project Name:	Huerfanito Unit #083E	
PO Box 1653	Project Number:	20035-C-0001	**Reported:**
Durango CO, 81302	Project Manager:	Kyle Siesser	5/15/2025 3:24:49PM

BH-03 (18-20')

E505170-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2519129
Benzene	ND	0.0250	1	05/08/25	05/12/25	
Ethylbenzene	ND	0.0250	1	05/08/25	05/12/25	
Toluene	ND	0.0250	1	05/08/25	05/12/25	
o-Xylene	ND	0.0250	1	05/08/25	05/12/25	
p,m-Xylene	ND	0.0500	1	05/08/25	05/12/25	
Total Xylenes	ND	0.0250	1	05/08/25	05/12/25	
Surrogate: 4-Bromochlorobenzene-PID		*97.9 %*	*70-130*	*05/08/25*	*05/12/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2519129
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/25	05/12/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.4 %*	*70-130*	*05/08/25*	*05/12/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2519162
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/25	05/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/25	05/13/25	
Surrogate: n-Nonane		*105 %*	*61-141*	*05/09/25*	*05/13/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2520026
Chloride	ND	20.0	1	05/12/25	05/13/25	

Sample Data

Cottonwood Consulting	Project Name:	Huerfanito Unit #083E	
PO Box 1653	Project Number:	20035-C-0001	**Reported:**
Durango CO, 81302	Project Manager:	Kyle Siesser	5/15/2025 3:24:49PM

BH-04 (18-20')

E505170-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2519129
Benzene	ND	0.0250	1	05/08/25	05/12/25	
Ethylbenzene	ND	0.0250	1	05/08/25	05/12/25	
Toluene	ND	0.0250	1	05/08/25	05/12/25	
o-Xylene	ND	0.0250	1	05/08/25	05/12/25	
p,m-Xylene	ND	0.0500	1	05/08/25	05/12/25	
Total Xylenes	ND	0.0250	1	05/08/25	05/12/25	
Surrogate: 4-Bromochlorobenzene-PID		*96.7 %*	*70-130*	*05/08/25*	*05/12/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2519129
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/25	05/12/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.6 %*	*70-130*	*05/08/25*	*05/12/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2519162
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/25	05/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/25	05/13/25	
Surrogate: n-Nonane		*106 %*	*61-141*	*05/09/25*	*05/13/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2520026
Chloride	ND	20.0	1	05/12/25	05/13/25	

Sample Data

Cottonwood Consulting	Project Name:	Huerfanito Unit #083E	
PO Box 1653	Project Number:	20035-C-0001	**Reported:**
Durango CO, 81302	Project Manager:	Kyle Siesser	5/15/2025 3:24:49PM

BH-05 (14-16')

E505170-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2519129
Benzene	**0.639**	0.500	20	05/08/25	05/14/25	
Ethylbenzene	**3.04**	0.500	20	05/08/25	05/14/25	
Toluene	**19.1**	0.500	20	05/08/25	05/14/25	
o-Xylene	**7.19**	0.500	20	05/08/25	05/14/25	
p,m-Xylene	**35.1**	1.00	20	05/08/25	05/14/25	
Total Xylenes	**42.3**	0.500	20	05/08/25	05/14/25	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*05/08/25*	*05/14/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2519129
Gasoline Range Organics (C6-C10)	**410**	400	20	05/08/25	05/14/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*97.1 %*	*70-130*	*05/08/25*	*05/14/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2519162
Diesel Range Organics (C10-C28)	**1530**	25.0	1	05/09/25	05/13/25	T9
Oil Range Organics (C28-C36)	**71.4**	50.0	1	05/09/25	05/13/25	
Surrogate: n-Nonane		*1050 %*	*61-141*	*05/09/25*	*05/13/25*	*S5*
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2520026
Chloride	**59.7**	20.0	1	05/12/25	05/13/25	

Sample Data

Cottonwood Consulting	Project Name:	Huerfanito Unit #083E	
PO Box 1653	Project Number:	20035-C-0001	**Reported:**
Durango CO, 81302	Project Manager:	Kyle Siesser	5/15/2025 3:24:49PM

BH-05 (22-24')

E505170-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2519129
Benzene	ND	0.0250	1	05/08/25	05/12/25	
Ethylbenzene	**0.0384**	0.0250	1	05/08/25	05/12/25	
Toluene	**0.168**	0.0250	1	05/08/25	05/12/25	
o-Xylene	**0.0998**	0.0250	1	05/08/25	05/12/25	
p,m-Xylene	**0.456**	0.0500	1	05/08/25	05/12/25	
Total Xylenes	**0.555**	0.0250	1	05/08/25	05/12/25	
Surrogate: 4-Bromochlorobenzene-PID		*98.1 %*	*70-130*	*05/08/25*	*05/12/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2519129
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/25	05/12/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*95.2 %*	*70-130*	*05/08/25*	*05/12/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2519162
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/25	05/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/25	05/13/25	
Surrogate: n-Nonane		*101 %*	*61-141*	*05/09/25*	*05/13/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2520026
Chloride	**48.6**	20.0	1	05/12/25	05/13/25	

Sample Data

Cottonwood Consulting	Project Name:	Huerfanito Unit #083E	
PO Box 1653	Project Number:	20035-C-0001	**Reported:**
Durango CO, 81302	Project Manager:	Kyle Siesser	5/15/2025 3:24:49PM

BH-06 (18-20')

E505170-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2519129
Benzene	ND	0.0250	1	05/08/25	05/13/25	
Ethylbenzene	ND	0.0250	1	05/08/25	05/13/25	
Toluene	ND	0.0250	1	05/08/25	05/13/25	
o-Xylene	ND	0.0250	1	05/08/25	05/13/25	
p,m-Xylene	ND	0.0500	1	05/08/25	05/13/25	
Total Xylenes	ND	0.0250	1	05/08/25	05/13/25	
Surrogate: 4-Bromochlorobenzene-PID		*97.9 %*	*70-130*	*05/08/25*	*05/13/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2519129
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/25	05/13/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.5 %*	*70-130*	*05/08/25*	*05/13/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2519162
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/25	05/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/25	05/13/25	
Surrogate: n-Nonane		*104 %*	*61-141*	*05/09/25*	*05/13/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2520026
Chloride	ND	20.0	1	05/12/25	05/13/25	

QC Summary Data

Cottonwood Consulting	Project Name:	Huerfanito Unit #083E	**Reported:**
PO Box 1653	Project Number:	20035-C-0001	
Durango CO, 81302	Project Manager:	Kyle Siesser	5/15/2025 3:24:49PM

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2519129-BLK1)									Prepared: 05/08/25 Analyzed: 05/12/25
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*8.14*		*8.00*		*102*	*70-130*			
LCS (2519129-BS1)									Prepared: 05/08/25 Analyzed: 05/12/25
Benzene	5.38	0.0250	5.00		108	70-130			
Ethylbenzene	5.27	0.0250	5.00		105	70-130			
Toluene	5.34	0.0250	5.00		107	70-130			
o-Xylene	5.17	0.0250	5.00		103	70-130			
p,m-Xylene	10.6	0.0500	10.0		106	70-130			
Total Xylenes	15.8	0.0250	15.0		105	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.19*		*8.00*		*102*	*70-130*			
Matrix Spike (2519129-MS1)				**Source: E505102-01**					Prepared: 05/08/25 Analyzed: 05/12/25
Benzene	6.15	0.0250	5.00	ND	123	70-130			
Ethylbenzene	6.02	0.0250	5.00	ND	120	70-130			
Toluene	6.10	0.0250	5.00	ND	122	70-130			
o-Xylene	5.91	0.0250	5.00	ND	118	70-130			
p,m-Xylene	12.1	0.0500	10.0	ND	121	70-130			
Total Xylenes	18.0	0.0250	15.0	ND	120	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.14*		*8.00*		*102*	*70-130*			
Matrix Spike Dup (2519129-MSD1)				**Source: E505102-01**					Prepared: 05/08/25 Analyzed: 05/12/25
Benzene	5.58	0.0250	5.00	ND	112	70-130	9.77	27	
Ethylbenzene	5.46	0.0250	5.00	ND	109	70-130	9.78	26	
Toluene	5.53	0.0250	5.00	ND	111	70-130	9.82	20	
o-Xylene	5.36	0.0250	5.00	ND	107	70-130	9.81	25	
p,m-Xylene	11.0	0.0500	10.0	ND	110	70-130	9.84	23	
Total Xylenes	16.4	0.0250	15.0	ND	109	70-130	9.83	26	
Surrogate: 4-Bromochlorobenzene-PID	*8.18*		*8.00*		*102*	*70-130*			

QC Summary Data

Cottonwood Consulting	Project Name:	Huerfanito Unit #083E	**Reported:**
PO Box 1653	Project Number:	20035-C-0001	
Durango CO, 81302	Project Manager:	Kyle Siesser	5/15/2025 3:24:49PM

Nonhalogenated Organics by EPA 8015D - GRO

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 (2519129-BLK1)									Prepared: 05/08/25 Analyzed: 05/12/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.30*		*8.00*		*91.2*	*70-130*			
LCS (2519129-BS2)									Prepared: 05/08/25 Analyzed: 05/14/25
Gasoline Range Organics (C6-C10)	48.8	20.0	50.0		97.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.62*		*8.00*		*95.3*	*70-130*			
Matrix Spike (2519129-MS2)				**Source: E505102-01**					Prepared: 05/08/25 Analyzed: 05/14/25
Gasoline Range Organics (C6-C10)	47.1	20.0	50.0	ND	94.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.65*		*8.00*		*95.6*	*70-130*			
Matrix Spike Dup (2519129-MSD2)				**Source: E505102-01**					Prepared: 05/08/25 Analyzed: 05/12/25
Gasoline Range Organics (C6-C10)	46.4	20.0	50.0	ND	92.8	70-130	1.55	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.55*		*8.00*		*94.3*	*70-130*			

QC Summary Data

Cottonwood Consulting	Project Name:	Huerfanito Unit #083E	**Reported:**
PO Box 1653	Project Number:	20035-C-0001	
Durango CO, 81302	Project Manager:	Kyle Siesser	5/15/2025 3:24:49PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2519162-BLK1)									Prepared: 05/09/25 Analyzed: 05/13/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*51.1*		*50.0*		*102*	*61-141*			
LCS (2519162-BS1)									Prepared: 05/09/25 Analyzed: 05/13/25
Diesel Range Organics (C10-C28)	270	25.0	250		108	66-144			
Surrogate: n-Nonane	*51.7*		*50.0*		*103*	*61-141*			
Matrix Spike (2519162-MS1)				**Source: E505102-03**					Prepared: 05/09/25 Analyzed: 05/13/25
Diesel Range Organics (C10-C28)	275	25.0	250	ND	110	56-156			
Surrogate: n-Nonane	*53.5*		*50.0*		*107*	*61-141*			
Matrix Spike Dup (2519162-MSD1)				**Source: E505102-03**					Prepared: 05/09/25 Analyzed: 05/13/25
Diesel Range Organics (C10-C28)	284	25.0	250	ND	114	56-156	3.19	20	
Surrogate: n-Nonane	*54.0*		*50.0*		*108*	*61-141*			

QC Summary Data

Cottonwood Consulting	Project Name:	Huerfanito Unit #083E	**Reported:**
PO Box 1653	Project Number:	20035-C-0001	
Durango CO, 81302	Project Manager:	Kyle Siesser	5/15/2025 3:24:49PM

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2520026-BLK1)									Prepared: 05/12/25 Analyzed: 05/12/25
Chloride	ND	20.0							
LCS (2520026-BS1)									Prepared: 05/12/25 Analyzed: 05/12/25
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2520026-MS1)				**Source: E505095-04**					Prepared: 05/12/25 Analyzed: 05/13/25
Chloride	257	20.0	250	ND	103	80-120			
Matrix Spike Dup (2520026-MSD1)				**Source: E505095-04**					Prepared: 05/12/25 Analyzed: 05/13/25
Chloride	257	20.0	250	ND	103	80-120	0.0218	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

Cottonwood Consulting	Project Name:	Huerfanito Unit #083E	
PO Box 1653	Project Number:	20035-C-0001	**Reported:**
Durango CO, 81302	Project Manager:	Kyle Siesser	05/15/25 15:24

S5	Surrogate spike recovery exceeded acceptance limits due to interfering target and/or non-target analytes.
T9	DRO includes undifferentiated early eluting analytes characteristic of GRO.
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.

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Cottonwood Consulting LLC	Company:	Lab WO# E505104 / E505170	Job Number 20085-C-0001 RAS1515	1D 2D 3D Std: X	NM X, CO, UT, TX
Project Name: Huerfanito Unit #083E	Address:			
Project Manager: Kyle Siesser	City, State, Zip:			
Address: PO Box 1653	Phone:			
City, State, Zip: Durango, CO 81302	Email:			
Phone: 970 764 3756	Miscellaneous:			
Email: ksiesser@cottonwoodconsulting.com				

Analysis and Method / **EPA Program**: SDWA, CWA, RCRA; Compliance Y or N; PWSID #

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX		Sample Temp	Remarks
1030	5-7-25	Soil	1	BH-03 (18-20')		1	X	X	X		X							4.3	
1155	5-7-25			BH-04 (18-20')		2	X	X	X		X							4.7	
1408	5-7-25			BH-05 (14-16')		3	X	X	X		X							4.0	
1415	5-7-25			BH-05 (22-24')		4	X	X	X		X							4.1	
1510	5-7-25	V	V	BH-06 (18-20')		5	X	X	X		X							4.5	

Additional Instructions: Please email results to kobrien@cottonwoodconsulting, jlafortune@cottonwodconsulting & emilar@cottonwoodconsulting.com

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	5-7-25	1641	Noe Sto	5.7.25	1641

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

Lab Use Only
Received on ice: (Y) / N

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

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

Envirotech Analytical Laboratory

Printed: 5/15/2025 2:24:00PM

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:	Cottonwood Consulting	Date Received:	05/07/25 16:41	Work Order ID:	E505170
Phone:	970-764-7356	Date Logged In:	05/15/25 12:47	Logged In By:	Raina Schwanz
Email:	ksiesser@cottonwoodconsulting.com	Due Date:	05/14/25 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: Joseph LaFortune
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? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling	Yes
13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.	

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

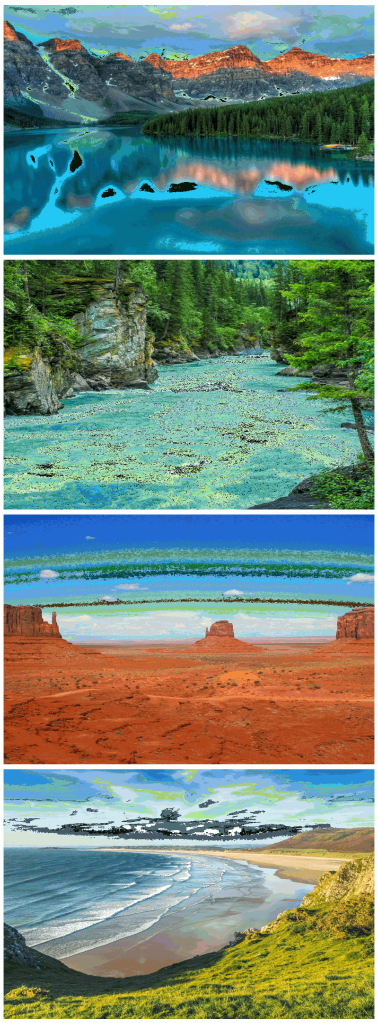
Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

Kyle Siesser



5796 U.S. Hwy 64
Farmington, NM 87401

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

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Cottonwood Consulting

Project Name:	Huerfanito Unit #083E
Work Order:	E505105
Job Number:	20035-C-0001
Received:	5/8/2025

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
5/15/25

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 5/15/25

Kyle Siesser
PO Box 1653
Durango, CO 81302

Project Name: Huerfanito Unit #083E
Workorder: E505105
Date Received: 5/8/2025 12:34:00PM

Kyle Siesser,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/8/2025 12:34:00PM, under the Project Name: Huerfanito Unit #083E.

The analytical test results summarized in this report with the Project Name: Huerfanito Unit #083E 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

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Michelle Gonzales
Client Representative
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mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

Cottonwood Consulting	Project Name:	Huerfanito Unit #083E	**Reported:**
PO Box 1653	Project Number:	20035-C-0001	
Durango CO, 81302	Project Manager:	Kyle Siesser	05/15/25 09:17

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH-07 (16-18')	E505105-01A	Soil	05/08/25	05/08/25	Glass Jar, 4 oz.
BH-08 (10-12')	E505105-02A	Soil	05/08/25	05/08/25	Glass Jar, 4 oz.
BH-08 (18-20')	E505105-03A	Soil	05/08/25	05/08/25	Glass Jar, 4 oz.

Sample Data

Cottonwood Consulting	Project Name:	Huerfanito Unit #083E	
PO Box 1653	Project Number:	20035-C-0001	**Reported:**
Durango CO, 81302	Project Manager:	Kyle Siesser	5/15/2025 9:17:39AM

BH-07 (16-18')

E505105-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2519139
Benzene	ND	0.0250	1	05/09/25	05/13/25	
Ethylbenzene	ND	0.0250	1	05/09/25	05/13/25	
Toluene	ND	0.0250	1	05/09/25	05/13/25	
o-Xylene	ND	0.0250	1	05/09/25	05/13/25	
p,m-Xylene	ND	0.0500	1	05/09/25	05/13/25	
Total Xylenes	ND	0.0250	1	05/09/25	05/13/25	
Surrogate: 4-Bromochlorobenzene-PID		*102 %*	*70-130*	*05/09/25*	*05/13/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2519139
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/09/25	05/13/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.5 %*	*70-130*	*05/09/25*	*05/13/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2519162
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/25	05/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/25	05/13/25	
Surrogate: n-Nonane		*103 %*	*61-141*	*05/09/25*	*05/13/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2520026
Chloride	**328**	20.0	1	05/12/25	05/13/25	

Sample Data

Cottonwood Consulting	Project Name:	Huerfanito Unit #083E	
PO Box 1653	Project Number:	20035-C-0001	**Reported:**
Durango CO, 81302	Project Manager:	Kyle Siesser	5/15/2025 9:17:39AM

BH-08 (10-12')

E505105-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2519139
Benzene	**0.0523**	0.0250	1	05/09/25	05/13/25	
Ethylbenzene	**2.24**	0.0250	1	05/09/25	05/13/25	
Toluene	**4.70**	0.0250	1	05/09/25	05/13/25	
o-Xylene	**6.63**	0.0250	1	05/09/25	05/13/25	
p,m-Xylene	**25.7**	0.0500	1	05/09/25	05/13/25	
Total Xylenes	**32.3**	0.0250	1	05/09/25	05/13/25	
Surrogate: 4-Bromochlorobenzene-PID		*92.6 %*	*70-130*	*05/09/25*	*05/13/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2519139
Gasoline Range Organics (C6-C10)	**302**	20.0	1	05/09/25	05/13/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*136 %*	*70-130*	*05/09/25*	*05/13/25*	*S5*
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2519162
Diesel Range Organics (C10-C28)	**428**	25.0	1	05/09/25	05/13/25	T9
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/25	05/13/25	
Surrogate: n-Nonane		*177 %*	*61-141*	*05/09/25*	*05/13/25*	*S5*
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2520026
Chloride	ND	20.0	1	05/12/25	05/13/25	

Sample Data

Cottonwood Consulting	Project Name:	Huerfanito Unit #083E	
PO Box 1653	Project Number:	20035-C-0001	**Reported:**
Durango CO, 81302	Project Manager:	Kyle Siesser	5/15/2025 9:17:39AM

BH-08 (18-20')

E505105-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA			Batch: 2519139
Benzene	ND	0.0250	1	05/09/25	05/14/25	
Ethylbenzene	ND	0.0250	1	05/09/25	05/14/25	
Toluene	ND	0.0250	1	05/09/25	05/14/25	
o-Xylene	ND	0.0250	1	05/09/25	05/14/25	
p,m-Xylene	ND	0.0500	1	05/09/25	05/14/25	
Total Xylenes	ND	0.0250	1	05/09/25	05/14/25	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*05/09/25*	*05/14/25*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA			Batch: 2519139
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/09/25	05/14/25	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*94.4 %*	*70-130*	*05/09/25*	*05/14/25*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: HM			Batch: 2519162
Diesel Range Organics (C10-C28)	ND	25.0	1	05/09/25	05/13/25	
Oil Range Organics (C28-C36)	ND	50.0	1	05/09/25	05/13/25	
Surrogate: n-Nonane		*102 %*	*61-141*	*05/09/25*	*05/13/25*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT			Batch: 2520026
Chloride	**79.8**	20.0	1	05/12/25	05/13/25	

QC Summary Data

Cottonwood Consulting	Project Name:	Huerfanito Unit #083E	**Reported:**
PO Box 1653	Project Number:	20035-C-0001	
Durango CO, 81302	Project Manager:	Kyle Siesser	5/15/2025 9:17:39AM

Volatile Organics by EPA 8021B

Analyst: BA

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2519139-BLK1)									Prepared: 05/09/25 Analyzed: 05/13/25
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	*7.97*		*8.00*		*99.7*	*70-130*			
LCS (2519139-BS1)									Prepared: 05/09/25 Analyzed: 05/13/25
Benzene	5.48	0.0250	5.00		110	70-130			
Ethylbenzene	5.35	0.0250	5.00		107	70-130			
Toluene	5.44	0.0250	5.00		109	70-130			
o-Xylene	5.25	0.0250	5.00		105	70-130			
p,m-Xylene	10.8	0.0500	10.0		108	70-130			
Total Xylenes	16.0	0.0250	15.0		107	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.82*		*8.00*		*97.8*	*70-130*			
Matrix Spike (2519139-MS1)				**Source: E505108-02**					Prepared: 05/09/25 Analyzed: 05/13/25
Benzene	5.22	0.0250	5.00	ND	104	70-130			
Ethylbenzene	5.10	0.0250	5.00	ND	102	70-130			
Toluene	5.17	0.0250	5.00	ND	103	70-130			
o-Xylene	4.99	0.0250	5.00	ND	99.7	70-130			
p,m-Xylene	10.3	0.0500	10.0	ND	103	70-130			
Total Xylenes	15.2	0.0250	15.0	ND	102	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*7.88*		*8.00*		*98.6*	*70-130*			
Matrix Spike Dup (2519139-MSD1)				**Source: E505108-02**					Prepared: 05/09/25 Analyzed: 05/13/25
Benzene	5.35	0.0250	5.00	ND	107	70-130	2.49	27	
Ethylbenzene	5.25	0.0250	5.00	ND	105	70-130	2.97	26	
Toluene	5.31	0.0250	5.00	ND	106	70-130	2.62	20	
o-Xylene	5.16	0.0250	5.00	ND	103	70-130	3.36	25	
p,m-Xylene	10.6	0.0500	10.0	ND	106	70-130	3.00	23	
Total Xylenes	15.7	0.0250	15.0	ND	105	70-130	3.12	26	
Surrogate: 4-Bromochlorobenzene-PID	*7.96*		*8.00*		*99.4*	*70-130*			

QC Summary Data

Cottonwood Consulting	Project Name:	Huerfanito Unit #083E	**Reported:**
PO Box 1653	Project Number:	20035-C-0001	
Durango CO, 81302	Project Manager:	Kyle Siesser	5/15/2025 9:17:39AM

Nonhalogenated Organics by EPA 8015D - GRO

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 (2519139-BLK1)									Prepared: 05/09/25 Analyzed: 05/13/25
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.43*		*8.00*		*92.9*	*70-130*			
LCS (2519139-BS2)									Prepared: 05/09/25 Analyzed: 05/13/25
Gasoline Range Organics (C6-C10)	45.7	20.0	50.0		91.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.54*		*8.00*		*94.2*	*70-130*			
Matrix Spike (2519139-MS2)				**Source: E505108-02**					Prepared: 05/09/25 Analyzed: 05/13/25
Gasoline Range Organics (C6-C10)	46.6	20.0	50.0	ND	93.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.54*		*8.00*		*94.3*	*70-130*			
Matrix Spike Dup (2519139-MSD2)				**Source: E505108-02**					Prepared: 05/09/25 Analyzed: 05/13/25
Gasoline Range Organics (C6-C10)	49.1	20.0	50.0	ND	98.2	70-130	5.25	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.49*		*8.00*		*93.7*	*70-130*			

QC Summary Data

Cottonwood Consulting	Project Name:	Huerfanito Unit #083E	**Reported:**
PO Box 1653	Project Number:	20035-C-0001	
Durango CO, 81302	Project Manager:	Kyle Siesser	5/15/2025 9:17:39AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HM

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2519162-BLK1)									Prepared: 05/09/25 Analyzed: 05/13/25
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*51.1*		*50.0*		*102*	*61-141*			
LCS (2519162-BS1)									Prepared: 05/09/25 Analyzed: 05/13/25
Diesel Range Organics (C10-C28)	270	25.0	250		108	66-144			
Surrogate: n-Nonane	*51.7*		*50.0*		*103*	*61-141*			
Matrix Spike (2519162-MS1)				**Source: E505102-03**					Prepared: 05/09/25 Analyzed: 05/13/25
Diesel Range Organics (C10-C28)	275	25.0	250	ND	110	56-156			
Surrogate: n-Nonane	*53.5*		*50.0*		*107*	*61-141*			
Matrix Spike Dup (2519162-MSD1)				**Source: E505102-03**					Prepared: 05/09/25 Analyzed: 05/13/25
Diesel Range Organics (C10-C28)	284	25.0	250	ND	114	56-156	3.19	20	
Surrogate: n-Nonane	*54.0*		*50.0*		*108*	*61-141*			

QC Summary Data

Cottonwood Consulting	Project Name:	Huerfanito Unit #083E	**Reported:**
PO Box 1653	Project Number:	20035-C-0001	
Durango CO, 81302	Project Manager:	Kyle Siesser	5/15/2025 9:17:39AM

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 (2520026-BLK1)									Prepared: 05/12/25 Analyzed: 05/12/25
Chloride	ND	20.0							
LCS (2520026-BS1)									Prepared: 05/12/25 Analyzed: 05/12/25
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2520026-MS1)				**Source: E505095-04**					Prepared: 05/12/25 Analyzed: 05/13/25
Chloride	257	20.0	250	ND	103	80-120			
Matrix Spike Dup (2520026-MSD1)				**Source: E505095-04**					Prepared: 05/12/25 Analyzed: 05/13/25
Chloride	257	20.0	250	ND	103	80-120	0.0218	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

Cottonwood Consulting	Project Name:	Huerfanito Unit #083E	
PO Box 1653	Project Number:	20035-C-0001	**Reported:**
Durango CO, 81302	Project Manager:	Kyle Siesser	05/15/25 09:17

S5	Surrogate spike recovery exceeded acceptance limits due to interfering target and/or non-target analytes.
T9	DRO includes undifferentiated early eluting analytes characteristic of GRO.
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.

envirotech
Analytical Laboratory

Chain of Custody

Client Information	Invoice Information	Lab Use Only	TAT	State
Client: Cottonwood Consulting LLC	Company:	Lab WO# E505105	1D 2D 3D Std	NM CO UT TX
Project Name: Huerfanito Unit #083E	Address:	Job Number 20035-C-0001		X
Project Manager: Kyle Siesser	City, State, Zip:			
Address: PO Box 1653	Phone:			
City, State, Zip: Durango, CO 81302	Email:			
Phone: 970 764 3756	Miscellaneous:			
Email: ksiesser@cottonwoodconsulting.com				

Sample Information

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Field Filter	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX		Sample Temp	Remarks
0945	5-8-25	Soil	1	BH-07 (16-18') JL		1	X	X	X		X							3.9	
1050	5-8-25	Soil	1	BH-08 (10-12')		2	X	X	X		X							4.1	
1105	5-8-25	Soil	1	BH-08 (16-20')		3	X	X	X		X							4.2	

Analysis and Method

EPA Program: SDWA | CWA | RCRA

Compliance Y or N

PWSID #

Additional Instructions: Please email results to kobrien@cottonwoodconsulting, jlafortune@cottonwodconsulting & emilar@cottonwoodconsulting.com

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

Sampled by: Joseph LaFortune

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	5-8-25	1234	[signature]	5.8.25	1234
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

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

Lab Use Only

Received on ice: (Y) / N

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

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

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

Envirotech Analytical Laboratory

Printed: 5/8/2025 1:46:23PM

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:	Cottonwood Consulting	Date Received:	05/08/25 12:34	Work Order ID:	E505105
Phone:	970-764-7356	Date Logged In:	05/08/25 13:37	Logged In By:	Noe Soto
Email:	ksiesser@cottonwoodconsulting.com	Due Date:	05/15/25 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: Joseph LaFortune
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? Note: Thermal preservation is not required, if samples are received within 15 minutes of sampling	Yes
13. See COC for individual sample temps. Samples outside of 0°C-6°C will be recorded in comments.	

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date

envirotech Inc.

Attachment 6

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 433419

QUESTIONS

Operator: BENSON-MONTIN-GREER DRILLING CORP 4900 College Blvd. Farmington, NM 87402	OGRID: 2096
	Action Number: 433419
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2503435211**
Incident Name	**NAPP2503435211 HUERFANITO #83E @ 30-045-34695**
Incident Type	**Release Other**
Incident Status	**Initial C-141 Approved**
Incident Well	**[30-045-34695] HUERFANITO UNIT #083E**

Location of Release Source	
Site Name	**Huerfanito #83E**
Date Release Discovered	**01/31/2025**
Surface Owner	**Federal**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	1,600
What is the estimated number of samples that will be gathered	8
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/25/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Please contact AJ Lafortune at 970-946-6877.
Please provide any information necessary for navigation to sampling site	Well location: 36.550737,-107.789914. Sample from the tank battery and surrounding area.

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

CONDITIONS

Operator:	OGRID:
BENSON-MONTIN-GREER DRILLING CORP 4900 College Blvd. Farmington, NM 87402	2096
	Action Number: 433419
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
alafortune	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	2/19/2025

Sante Fe Main Office
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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

Action 433746

QUESTIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 433746
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2503435211**
Incident Name	**NAPP2503435211 HUERFANITO #83E @ 30-045-34695**
Incident Type	**Release Other**
Incident Status	**Initial C-141 Approved**
Incident Well	**[30-045-34695] HUERFANITO UNIT #083E**

Location of Release Source	
Site Name	**Huerfanito #83E**
Date Release Discovered	**01/31/2025**
Surface Owner	**Federal**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	1,200
What is the estimated number of samples that will be gathered	10
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/25/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Dylan Songer Staff Scientist (704)-968-4435 dsonger@cottonwoodconsulting.com
Please provide any information necessary for navigation to sampling site	Lat: 36.550737 Long: -107.789914

Sante Fe Main Office
Phone: (505) 476-3441

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

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 433746
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
kkaufman	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	2/20/2025

Sante Fe Main Office
Phone: (505) 476-3441

General Information
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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

Action 458285

QUESTIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 458285
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2503435211**
Incident Name	**NAPP2503435211 HUERFANITO #83E @ 30-045-34695**
Incident Type	**Release Other**
Incident Status	**Initial C-141 Approved**
Incident Well	**[30-045-34695] HUERFANITO UNIT #083E**

Location of Release Source	
Site Name	**HUERFANITO #83E**
Date Release Discovered	**01/31/2025**
Surface Owner	**Federal**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	1,600
What is the estimated number of samples that will be gathered	8
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/06/2025
Time sampling will commence	09:00 AM
Warning: Notification can not be less than two business days prior to conducting final sampling.	
Please provide any information necessary for observers to contact samplers	Kyle Siesser 970-764-7356
Please provide any information necessary for navigation to sampling site	Sampling and boring may occur over multiple days starting Tuesday May 6.

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 458285
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
ksiesser	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	5/5/2025

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 458301

QUESTIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 458301
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2503435211**
Incident Name	**NAPP2503435211 HUERFANITO #83E @ 30-045-34695**
Incident Type	**Release Other**
Incident Status	**Initial C-141 Approved**
Incident Well	**[30-045-34695] HUERFANITO UNIT #083E**

Location of Release Source	
Site Name	**HUERFANITO #83E**
Date Release Discovered	**01/31/2025**
Surface Owner	**Federal**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	1,600
What is the estimated number of samples that will be gathered	8
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/07/2025
Time sampling will commence	09:00 AM
Please provide any information necessary for observers to contact samplers	Kyle Siesser 970-764-7356
Please provide any information necessary for navigation to sampling site	Sampling may occur over multiple days starting Tuesday May 6.

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 458301
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
ksiesser	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	5/5/2025

Sante Fe Main Office
Phone: (505) 476-3441

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1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 459800

QUESTIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 459800
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2503435211**
Incident Name	**NAPP2503435211 HUERFANITO #83E @ 30-045-34695**
Incident Type	**Release Other**
Incident Status	**Initial C-141 Approved**
Incident Well	**[30-045-34695] HUERFANITO UNIT #083E**

Location of Release Source	
Site Name	**HUERFANITO #83E**
Date Release Discovered	**01/31/2025**
Surface Owner	**Federal**

Sampling Event General Information *Please answer all the questions in this group.*	
What is the sampling surface area in square feet	1,600
What is the estimated number of samples that will be gathered	8
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/08/2025
Time sampling will commence	09:00 AM
Warning: Notification can not be less than two business days prior to conducting final sampling.	
Please provide any information necessary for observers to contact samplers	Kyle Siesser 970-764-7356
Please provide any information necessary for navigation to sampling site	Sampling occurred over three days, from 5/6-5/8.

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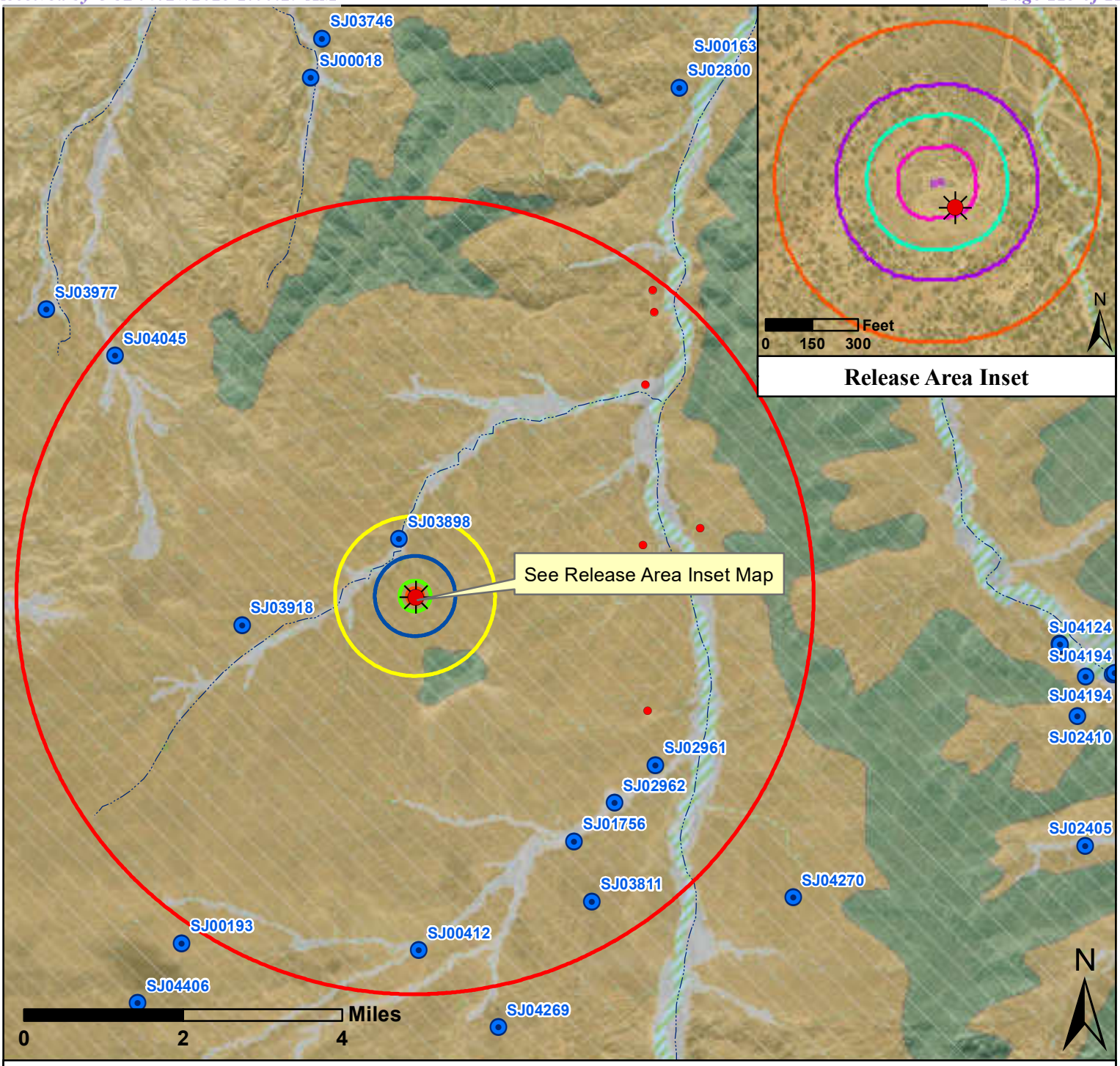
CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 459800
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
ksiesser	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	5/7/2025

Attachment 7



Notes: Water well data from the New Mexico Office of the State Engineer. Surficial geology data from the 1997 USGS Geologic Map of New Mexico. No lakes, municipal boundaries, subsurface mines, unstable areas, or karst geology located within the project area. Imagery date 6/9/2024.

Legend

- Huerfanito #083E
- Release Area
- POD
- Surface Water
- Wetland
- Building
- 100ft Buffer
- 200ft Buffer
- 300ft Buffer
- 500ft Buffer
- 1,000ft Buffer
- 1/2 Mile Buffer
- 1 Mile Buffer
- 5 Mile Buffer

FEMA Flood Zone

- A; 100-year Floodplain
- X; Moderate Hazard

Surficial Geology

- Alluvium
- Nacimiento Formation
- San Jose Formation

Figure 1
Site Characterization Map
Huerfanito #083E
Hilcorp Energy Company

Cottonwood CONSULTING

Mapping by: E. Millar, 2/26/2025
Coordinate System:
NAD 1983 UTM Zone 13 N

Location: Section 28 T27N R9W NMPM

TIERRA CORROSION CONTROL, INC.
DRILLING LOG

COMPANY: Conoco Phillips
LOCATION: Huerfanito Unit 83E
STATE: NM
BIT SIZE: 6 ¾"
LBS COKE BACKFILL: 2,100#
ANODE TYPE: 2" X 60" Duriron

DATE: December 8, 2008
LEGALS: Sec28 T27N R9W
DRILLER: Eugene Silago
CASING SIZE/TYPE: 8" X 20' PVC
VENT PIPE: 295'
ANODE AMOUNT: 10

COUNTY: San Juan
DEPTH: 295'
COKE TYPE: Asbury
PERF PIPE: 175' – 295'
BOULDER DRILLING: None

DEPTH	DRILLER'S LOG	AMPS	DEPTH	DRILLER'S LOG	AMPS
20	Sandstone		310		
25			315		
30			320		
35		.9	325		
40		.8	330		
45		.8	335		
50		.9	340		
55		1.0	345		
60		1.1	350		
65		1.0	355		
70		.9	360		
75		.9	365		
80		.8	370		
85		.7	375		
90		.8	380		
95		.9	385		
100		1.0	390		
105		1.1	395		
110		1.2	400		
115		1.1	405		
120		1.0	410		
125	▼	.9	415		
130	Shale/Sandstone	1.1	420		
135		1.2	425		
140		1.1	430		
145		1.1	435		
150		1.2	440		
155		1.3	445		
160		1.4	450		
165		1.1	455		
170		1.2	460		
175		1.3	465		
180		1.5	470		
185	▼	1.8	475		
190	Shale	1.9	480		
195		2.0	485		
200		2.1	490		
205		2.2	495		
210		3.2	500		
215		3.1			
220		3.7			
225		3.5			
230		3.6			
235		3.1			
240		3.2			
245		4.4			
250		4.4			
255		4.1			
260		4.3			
265		2.1			
270		2.0			
275		2.0			
280		2.1			
285		1.9			
290		1.5			
295		1.2			
300	▼				
305					

ANODE #	DEPTH	NO COKE	COKE
1	280	2.1	4.1
2	270	2.0	4.0
3	260	4.3	9.5
4	250	4.4	9.1
5	240	3.2	6.5
6	230	3.6	7.9
7	220	3.7	7.5
8	210	3.2	6.4
9	200	2.1	4.6
10	190	1.9	4.6
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
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23			
24			
25			
26			
27			
28			
29			
30			

WATER DEPTH: 0
ISOLATION PLUGS:
LOGING VOLTS: 11.4
VOLT SOURCE: AUTO BATTERY
TOTAL AMPS: 20.4
TOTAL GB RESISTANCE: .55
REMARKS:

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QUESTIONS

Action 509698

QUESTIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 509698
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2503435211**
Incident Name	**NAPP2503435211 HUERFANITO #83E @ 30-045-34695**
Incident Type	**Release Other**
Incident Status	**Remediation Plan Received**
Incident Well	**[30-045-34695] HUERFANITO UNIT #083E**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	HUERFANITO #83E
Date Release Discovered	01/31/2025
Surface Owner	Federal

Incident Details	
Please answer all the questions in this group.	
Incident Type	Release Other
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: Freeze | Tank (Any) | Produced Water | Released: 21 BBL | Recovered: 0 BBL | Lost: 21 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Cause: Freeze | Tank (Any) | Condensate | Released: 79 BBL | Recovered: 0 BBL | Lost: 79 BBL.
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	*Not answered.*
Other Released Details	*Not answered.*
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	*Not answered.*

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QUESTIONS (continued)

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 509698
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	**No, according to supplied volumes this does not appear to be a "gas only" report.**
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	**Yes**
Reasons why this would be considered a submission for a notification of a major release	**From paragraph A. "Major release" determine using:** **(1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.**

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

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: Kyle Siesser Title: Principal, Cottonwood Consulting Email: ksiesser@cottonwoodconsulting.com Date: 09/26/2025

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QUESTIONS (continued)

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 509698
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

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 500 and 1000 (ft.)
What method was used to determine the depth to ground water	Attached Document
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 ½ and 1 (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	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between ½ and 1 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 300 and 500 (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	None
A 100-year floodplain	Between 1000 (ft.) and ½ (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)	328
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	10674.1
GRO+DRO (EPA SW-846 Method 8015M)	10600
BTEX (EPA SW-846 Method 8021B or 8260B)	1689.6
Benzene (EPA SW-846 Method 8021B or 8260B)	38.3
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	10/27/2025
On what date will (or did) the final sampling or liner inspection occur	10/28/2025
On what date will (or was) the remediation complete(d)	10/31/2025
What is the estimated surface area (in square feet) that will be reclaimed	2922
What is the estimated volume (in cubic yards) that will be reclaimed	1290
What is the estimated surface area (in square feet) that will be remediated	2922
What is the estimated volume (in cubic yards) that will be remediated	1290
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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QUESTIONS (continued)

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 509698
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

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	fEEM0112336756 ENVIROTECH LANDFARM #2
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: Kyle Siesser Title: Principal, Cottonwood Consulting Email: ksiesser@cottonwoodconsulting.com Date: 09/26/2025
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 509698
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

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	No

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QUESTIONS (continued)

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 509698
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**527442**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**11/25/2025**
What was the (estimated) number of samples that were to be gathered	**6**
What was the sampling surface area in square feet	**1200**

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: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 509698
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	The Remediation Plan is Conditionally Approved. Complete delineation must be completed. Floor confirmation samples should be delineated/excavated to meet closure criteria standards from Table 1 of the OCD Spill Rule for site assessment/characterization/proven depth to water determination. All samples must be analyzed for all constituents listed in Table I of 19.15.29.12 NMAC. Sidewall/Edge samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. All sidewall samples should be taken from the sidewall of the excavation. Please make sure that the edge of the release extent is accurately defined. The work will need to occur in 90 days after the report has been reviewed.	11/19/2025