

P.O. Box 1653 Durango, Colorado 81302 (970) 764-7356 www.cottonwoodconsulting.com

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.

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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

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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 Siesser, P.G.

Kyle D. Siesser

Cottonwood Consulting, LLC

Attachments: Attachment 1 – Project Map

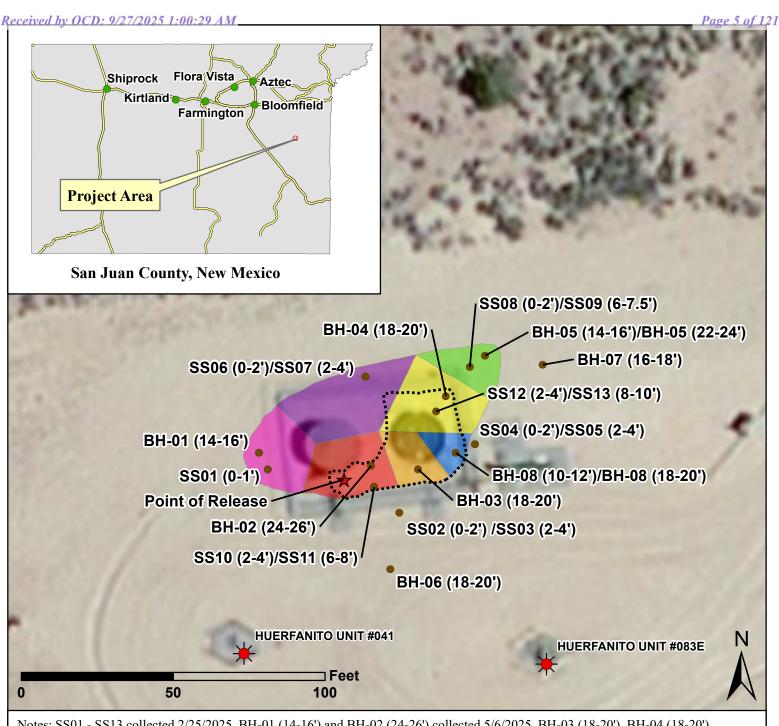
Attachment 2 – Soil Sampling Table Attachment 3 – Photographic Log

Attachment 4 – Boring Logs

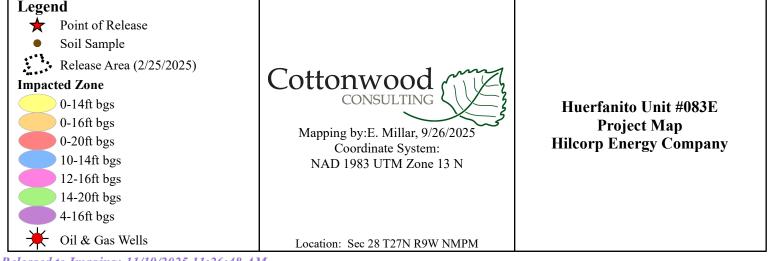
Attachment 5 – Laboratory Reports Attachment 6 – Sampling Notifications

Attachment 7 – Site Characterization Information

Attachment 1



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.



Attachment 2



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.



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

Parameter	SS06 (0-2') 2/25/2025 North of Secondary	SS07 (2-4') 2/25/2025 North of Secondary	•	SS09 (6-7.5') 2/25/2025 Northeast of Secondary	SS10 (2-4') 2/25/2025 Release Area	OCD Reclamation Standard	OCD Standard GW >100'	Units
	Containment	Containment	Containment	Containment				
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:

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

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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:

PID - Photoionization Detector

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GRO - Gasoline Range Organics

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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	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:

PID - Photoionization Detector

TPH - Total Petroleum Hydrocarbons

GRO - Gasoline Range Organics

DRO - Diesel Range Organics

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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:

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

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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.

Attachment 3





Photo 1: Huerfanito Unit #083E site.

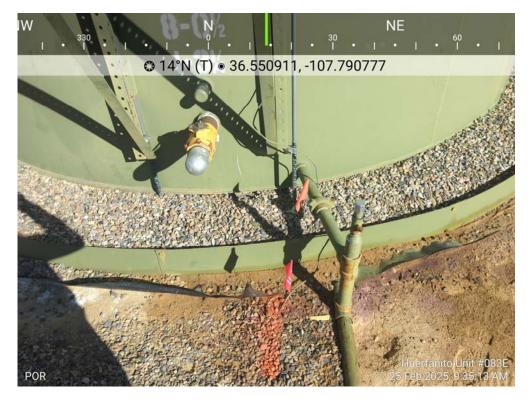


Photo 2: Point of release.





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.





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.





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.





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



Photo 10: Release area and staining.





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.





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.





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.





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.





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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	Dry Wash		BH-05	Project: Huerfanito #083E	Boring ID	9: BH-01
BH-01		BH-04	\otimes	Date: 5/6/2025	Logged B	y: Joseph LaFortune
\	_	_ &	/		Kyle Sies	ser
	(AST)	(BGT) _{BH-08}	BH-07	Location: San Juan County	Elevation	: 6340'
$ \otimes $						
	BH-02 ⊗	⊗ ⊗ BH-03	N	Drilling Company:	Drill Metl	
				Enviro-Drill		tem Auger
	Access Roa	ad		Diameter: 8" OD	Sample In	iterval: 2'
						1 00
	BH-06—⊗			Completion: NA	Total Dep	th: 22'
	Sample					
Depth:	Interval:	Recovery:	PID:	Lithology:		Completion:
		100%	0.0	Brown, fine - med grain silty S		
2 -		10070		minor clay, moist, no stain, no	odor.	
_		80%	0.0	SAA, 5" thick coarse grained l	ens at 3'	
4 -				bgs.		
		95%	0.0	SAA, increase in silty clay		
6 -				1		
		90%	0.3	SAA		
8 -		0.007		7.5' bgs lt brown, fine - coarse	orained	
10		80%	0.4	SANDSTONE, dry no stain, no		
10 -		150/	0.5			
12 -		15%	0.5	SAA.		NA backfilled with
12		15%	23.3	SAA, slight PHC odor.		grout
14 -		1370		SAA, slight 1110 odol.		- Cuttings drummed
	BH-01 (14-16')	15%	33.6	SAA, slight PHC odor.		Cuttings drummed
16 -	@1300	10,70		21 1. 2, 21. g. 1 1 1 2 2 4 4 2 1		
		15%	27.4	SAA, slight PHC odor.		
18 -						
		15%	9.7	SAA, no stain, decrease in PH	C odor.	
20 -				-		
		15%	5.2*	SAA, no stain, no odor.		
22 -						
.				TD @ 22' bgs		
24 -	\neg					
26 -						
28 -						
30 -	_					
Notes:	SAA - Same a			DD started at reading and did n		

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

Cottonwood	
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	Dry Wash		BH-05	Project: Huerfanito #083E	Boring ID	D: BH-02	
BH-01		BH-04	\otimes	Date: 5/6/2025		y: Joseph LaFortune	
lacksquare		\otimes	/		Kyle Sies		
\otimes	AST	BGT BH-08	BH-07	Location: San Juan County	Elevation:	: 6340'	
	BH-02 [⊗]	⊗ ⊗ BH-03	N	Drilling Company:	Drill Meth	nod:	
l '		B 11-03] 11	Enviro-Drill	Hollow St	tem Auger	
	Access Ro	oad		Diameter: 8" OD	Sample In	iterval: 2'	
	BH-06—──			Completion: SVE-01	Total Dep	oth: 26'	
	Sample						
Depth:	Interval:	Recovery:	PID:	Lithology:		Completion:	
Берин		<u> </u>		Brown, fine - med grained silty	SAND w	XXXXXXX XXXXXX	Grout
		100%	2,646	minor clay, moist, slight stain,		XXXXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	0-2' bgs
2 -		1000/	4 404	SAA, coarse lens at 3.5' bgs, no		0000	Bentonite
		100%	4,481	PHC odor.			2-4' bgs
4 -		1000/	4.001	GAA A DUG 1			
		100%	4,021	SAA, no stain, strong PHC odo	or.	 	Sand
6		1000/	2.260	SAA, minor staining, strong PI	HC odor.	· · · · — · · · ·	4-20' bgs
		100%	3,369	Silty 2" thick clay lens at 7.5' b	gs.	∴:	
8 -		2.50/	4.4.62	8' bgs lt brown, fine - coarse gr	·	1	
		25%	4,163	SANDSTONE, moist, PHC sta			Screened
10 -		1.50/	2.020	odor.		· ·∵:	interval
		15%	3,930	SAA, no stain, PHC odor.		 	5-20' bgs
12 -		1.50/	2.112	g.,			2" PVC completion
		15%	3,112	SAA, no stain, PHC odor.		· :: · :: ·	completion
14 -		1.50/	4.000	a. A. Divid			
		15%	4,223	SAA, PHC odor.		·· ::	
16				1		⁺ ;	
		15%	4,798	SAA, PHC odor.		│├─┤ '' ` `│	
18 -	+			1		····:: : : . ·	
		15%	>9,999	SAA, no stain, stong PHC odor	r .		
20 -				1		0000000	
		15%	474	SAA, no stain, decrease in odor	r .		
22 -				1			Backfilled
		25%	453	SAA, 4" thick claystone lens @) 23' bgs.		bentonite
24 -	BH-02 (24-26))					20-26' bgs
	@1450	25%	651.9	SAA, decrease in odor.			
26 -	+			TD @ 26' bgs			
				1D @ 20 0gs			
28 -	\dashv						
30 -	\dashv						
							I

Notes: SAA – Same as above

bgs- below ground Surface

Cottonwood	
CONSULTING	-

							-3
	D. WI.		BH-05	Project: Huerfanito #083E	Boring ID	9: BH-03	
	Dry Wash	BH-04		5/7/2025	1.0	1 1 1 5 7	4
BH-01			\otimes \otimes	Date: 5/7/2025	Logged B	y: Joseph LaFortune	;
\		\sim	/ BH-07	Location: San Juan County	Elevation	. 63.40'	4
\otimes	(AST)	$(BGT)_{BH-08}$	↑	Location: San Juan County	Licvation	. 0340	
	BH-02 ⊗	⊗ ⊗ BH-03		Drilling Company:	Drill Metl	nod:	┪
_		BH-03	N	Enviro-Drill	1	tem Auger	
	A D	_ 1		Diameter: 8" OD	Sample In		┪
	Access Ro	ad					
	BH-06 ── ⊗			Completion: SVE-02	Total Dep	oth: 20'	7
	Sample						
Depth:	Interval:	Recovery:	PID:	Lithology:		Completion:	4
		100%	4,338	Brown, fine - med grained silty		XXXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	0.22.1
2 -				minor clay, moist, slight stain, I SAA, slightly coarser at 3' bgs,		XXXXXX	_
		90%	4,895	PHC odor.	no stam,		2-4' bgs
4 -	+) no stain	000	<u> </u>
		75%	4,361	SAA, fine - med grained SANI strong PHC odor.), no stain,		Sand
6 -	+			1 ~		· · · · — ∵ ∴	4-20' bgs
		20%	4,925	SAA.		l ∴:: ├──	
8 -		150/	4 475	8' bgs brown, fine - coarse grain	ned	· · · 🖂 ·	
1.0		15%	4,475	SANDSTONE, moist, no stain	PHC odor.	··· ···	Screened
10 -		15%	5,106	SAA, fine - med grained w min	or coarse	· ·¨ ·	interval
12 -		1370	<i>J</i> ,100	grained, no stain, PHC odor.		<u>.:</u> : · · · · ·	5-20' bgs 2" PVC
12		15%	1,401	SAA, PHC odor.			completion
14 -				,		├─- ;	
11		15%	622.8	SAA, fine - med grained w min	or coarse	· : · · : : ·	All cuttings
16 -				grained, PHC odor.			drummed
		20%	275.8	SAA, decrease in PHC odor.			
18 -				SAA, no stain, slight PHC odor	•	···:: ' 	
	BH-03 (18-20') @ 1030	25%	209.8	SAA, no stani, siight FIIC odol	•		
20 -				TD @ 20' bgs			1
22				12 @ 20 08			
22 -	\exists						
24							
24 -							
26 -							
26 -							
28 -	_						
_~							
30 -	\dashv						
							J

Notes: SAA – Same as above

bgs- below ground Surface

Cottonwood	
CONSULTING	(

							3
	Dry Wash		BH-05	Project: Huerfanito #083E	Boring ID	9: BH-04	
BH-01		BH-04	\otimes	Date: 5/7/2025	Logged B	y: Joseph LaFortune	
\	AST	BGT) _{BH-08}	BH-07	Location: San Juan County	Elevation	: 6340'	1
	BH-02 ⊗	⊗ ⊗ BH-03	N	Drilling Company:	Drill Meth		1
				Enviro-Drill		tem Auger	4
	Access R	oad		Diameter: 8" OD	Sample In	iterval: 2'	
	BH-06—⊗			Completion: SVE-03	Total Dep	oth: 20'	1
	Sample				!		1
Depth:	Interval:	Recovery:	PID:	Lithology:		Completion:	
		100%	2,640	Brown, fine - med grained silty minor clay, moist, slight stain,		XXXXXX XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	0-2' bgs
2		70%	4,506	SAA, coarse grained lens at 4' l stain, strong PHC odor.			Bentonite 2-4' bgs
4		90%	4,650	SAA, coarse grained lens at 5' a no stain, PHC odor.	and 6' bgs,		Sand
6		90%	4,175	SAA, minor grey staining.			4-20' bgs
8		70%	4,092	SAA, no stain, PHC odor.			Screened
10		20%	3,576	Brown fine - coarse grained silt	•	:	interval 5-20' bgs
12		15%	4,070	SANDSTONE, no stain, PHC o SAA, no stain, PHC odor.	odor.		2" PVC completion
14		40%	487.1	Fine - med grained silty SAND no stain, decrease in PHC odor.		.:·- <u> </u> :::	All cuttings
16		25%	312.9	SAA, minor coarse grains, decr PHC odor.		.∵:	drummed
18	BH-04 (18-20 @1155	25%	236.0	SAA, minor claystone, no stain	, slight		
20				PHC odor.			1
22	\dashv			TD @ 20' bgs			
24	\dashv						
26							
28	\dashv						
30							
							_

Notes: SAA – Same as above

bgs- below ground Surface

Cottonwood	
CONSULTING	3

	Dry Wash		BH-05	Project: Huerfanito #083E	Boring ID	: BH-05
BH-01		$\overline{}$	\otimes	Date: 5/7/2025	Logged B	y: Joseph LaFortune
\otimes				Location: San Juan County	Elevation:	6340'
	BH-02 ⊗	⊗ ⊗ BH-03	l l N	Drilling Company:	Drill Meth	od:
L		БП-03	I IN	Enviro-Drill	Hollow St	em Auger
	A D	1		Diameter: 8" OD	Sample In	
	Access Roa	au				
	BH-06 ── ⊗			Completion: NA	Total Dep	th: 24'
	Sample					
Depth:	Interval:	Recovery:	PID:	Lithology:		Completion:
2 -		100%	202	Tan - brown, fine - med grained SAND w minor clay, moist, no	•	
4 -		100%	202	odor. SAA, no stain, no odor.		
		100%	205	SAA, coarse grained lens at 5' lestain, no odor.	ogs, no	
6		90%	608	Tan - brown, fine- med grained silt, no stain, no odor.	d SAND w	
8 -		80%	3309	SAA		NIA 1 1 CH 1
10 -		50%	3407	SAA, no stain, pq odor.		NA backfilled with grout.
12 -		20%	3406	Tan, fine - med grained SANDS pq'uwkp.'pq'odor.	STONE,"	
14 -	BH-05 (14-16') @ 1408	15%	2,625	SAA, strong PHC odor, no stair	1.	- Cuttings Drummed
16 -		15%	2,001	SAA, no stain, PHC odor.		
18 -		15%	1,197	SAA, no stain PHC odor.		
20 -		15%	111	SAA, no stain, slight PHC odor		
22 -	BH-05 (22-24') @ 1415	15%	90.3	SAA, no stain, slight PHC odor		
24 -				TD @ 24' bgs		
26 -				2.2 (5) 2.1 (5)		
28 -	\dashv					
30 -						
Notes: C	A A Sama as a			NA Nat Applicable		

Notes: SAA - Same as above

bgs - below ground Surface

PHC - Petroleum Hydrocarbon Odor

NA - Not Applicable

Cottonwood	(
CONSULTING	(

				Project: Huerfanito #083E	Boring ID:	: BH-06
	Dry Wash		BH-05	1		
BH-01		BH-04	\otimes \otimes	Date: 5/7/2025	Logged By	y: Joseph LaFortune
\		_ &] /			
	(AST)	(BGT) _{BH-08}	BH-07	Location: San Juan County	Elevation:	6340'
\otimes			1 T			
	BH-02 ⊗	⊗ ⊗ BH-03		Drilling Company:	Drill Meth	od:
			1,	Enviro-Drill	Hollow Ste	em Auger
	Access Ro	and		Diameter: 8" OD	Sample Int	
	Access No	iau				
	BH-06 <u></u> ──⊗			Completion: NA	Total Dept	th: 20'
	Sample				•	
Depth:	Interval:	Recovery:	PID:	Lithology:		Completion:
1		1000/	200	Tan - brown, fine - med grained	l siltv	•
_		100%	202	SAND, moist, no stain, no odo	•	
2		1000/	0.1	1		
l ,		100%	0.1	SAA, coarse grained @ 3'.		
4		1000/	2.2	SAA, fine - med grained, no s	tain,	
		100%	2.2	no odor.		
6		600/	1.0	1	1	
		60%	1.9	SAA, minor silt, no stain, no o	dor.	
8		2.50/		SAA.		
		25%	2.5	SAA.		
10				Tan - white, fine - med grained		27.1.1.001.1
		20%	0.2	SANDSTONE, no stain, no od		NA backfilled with grout.
12					01.	with grout.
		20%	0.7	SAA, no stain, no odor.		
14		1		1		
		15%	1.1	SAA, fine - coarse grained, no	stain, no	
16	-			odor.		
		20%	1.3	SAA, 4" claystone lens at 17' b	gs.	
18	DYY 0.6 (10.20)			1		
	BH-06 (18-20") @ 1510	20%	0.1	SAA, no stain, no odor.		
20				1		
				TD @ 20' bgs		
22	\dashv					
24						
26	_					
28	_					
30	_					

Notes: SAA - Same as above

bgs - below ground Surface

PHC- Petroleum Hydrocarbon Odor

NA - Not Applicable

Cottonwood	
CONSULTING	

	Dry Wash		BH-05	Project: Huerfanito #083E	Boring ID:	: BH-07
BH-01		BH-04	\otimes	Date: 5/7/2025	Logged By	y: Joseph LaFortune
\otimes	AST	BGT BH-08	BH-07	Location: San Juan County	Elevation:	6340'
	BH-02 ⊗	⊗ ⊗ BH-03	N	Drilling Company:	Drill Meth	od:
_		D11 03] 11	Enviro-Drill	Hollow Ste	em Auger
	Access Roa	ad		Diameter: 8" OD	Sample Int	terval: 2'
	BH-06—⊗			Completion: NA	Total Dept	th: 20'
	Sample					
Depth:	Interval:	Recovery:	PID:	Lithology:		Completion:
2 -		100%	202	Brown, fine - med grained silty moist, no stain, no odor.	SAND,	
		100%	0.3	SAA, claystone lens @ 3' bgs.		
4 -		80%	0.4	SAA, no stain, no odor.		
6		90%	0.2	SAA, claystone lens at 7' bgs, v sandstone lens at 7.5' bgs, no o		
8 -		90%	0.1	SAA, weathered claystone lens no stain, no odor.		
10 -		25%	0.4	Tan, fine - coarse grained SAN pq'uclp.'pq'odor.	DSTONE,	NA backfilled with grout.
		30%	0.1	SAA, no stain, no odor.		
14 -		30%	0.4	SAA, 4" grey claystone lens @ stain, no odor.	16' bgs, no	
16 -	BH-07 (16-18') @ 0945	25%	1.1	SAA, fine - coarse grained, no sodor.	stain, no	
18 -		35%	0.3	SAA, intermittent claystone lenders, no stain, no odor.	nses to 20'	
20 -				TD @ 20' bgs		
22 -						
24 -						
26 -						
28 -						
30 -						
				!		

Notes: SAA - Same as above

bgs - below ground Surface

PHC - Petroleum Hydrocarbon Odor

NA - Not Applicable

Cottonwood
CONSULTING

				MD : 44 0 : 4000	lp : 10	DIVO	5
	Dry Wash		BH-05	Project: Huerfanito #083E	Boring ID	9: BH-08	
BH-01		BH-04	\otimes \otimes \otimes	Date: 5/8/2025	Logged B	y: Joseph LaFortune	
	AST	BGT BH-08	BH-07	Location: San Juan County	Elevation	: 6340'	
	BH-02 ⊗	⊗ ⊗ BH-03	N	Drilling Company: Enviro-Drill	Drill Meth	nod: tem Auger	
	Access Ro	ad		Diameter: 8" OD	Sample In		
	BH-06—⊗			Completion: SVE-04	Total Dep	th: 20'	
Donth	Sample Interval:	Разаузаяц	DID.	I ishalaaru	<u> </u>	Commission	
Depth:	IIICI vai.	Recovery:	PID:	Brown, fine - med grained silty	SAND w	Completion: XXXXXX	Grout
2 -		100%	1,248	minor clay, moist, no stain, PHO	C odor.	XXXXXX XXXXX	0-2' bgs
4 -		100%	684.8	SAA, coarse grained at 3' bgs, n strong PHC odor.			Bentonite 2-4' bgs
		60%	701.5	SAA, no stain, PHC odor. Tan v coarse grained sandstone at 5.5'			Sand
6		20%	268.5	Tan, fine - coarse grained SANI no stain, PHC odor.	OSTONE,		4-20' bgs
8		20%	40.2	SAA no stain, slight PHC odor.			Screened
10	BH-08 (10-12') @ 1050	15%	3,356	SAA, no stain, strong PHC odo	r.		interval 5-20' bgs
12 -		45%	2,969	SAA, PHC odor.			2" PVC completion
14 -		30%	341.1	SAA, decrease in PHC odor.			All cuttings
16 -		25%	56.8	SAA, decrease in PHC odor.			drummed
18 -	BH-08 (18-20') @ 1105	15%	19.5	SAA, no stain, no odor.		:::	
20 -				TD @ 20' bgs			
22 -				15 © 20 ogs			
24 -	\dashv						
26 -							
28 -							
30 -							
				I			

Notes: SAA – Same as above

bgs- below ground surface

Attachment 5

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: 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

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Sample Summary

			-	
ſ	Cottonwood Consulting	Project Name:	Huerfanito Unit #083E	Reported:
ı	PO Box 1653	Project Number:	20035-C-0001	Reported:
l	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.

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

		E302204-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: 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	Analy	vst: 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	Analy	st: 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	Analy	st: DT		Batch: 2509102
Chloride	ND	20.0	1	02/27/25	02/27/25	



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

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: 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	Ana	lyst: 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	Ana	lyst: 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	Ana	lyst: DT		Batch: 2509102
·	ND	20.0		02/27/25	02/27/25	



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

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: 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	Ana	alyst: 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	Ana	alyst: 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	Ana	alyst: DT		Batch: 2509102
Chloride	ND	20.0	1	02/27/25	02/27/25	



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

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	Anal	yst: 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	Anal	yst: 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	
1 I FD1 200 0/00561	mg/kg	mg/kg	Anal	yst: DT		Batch: 2509102
Anions by EPA 300.0/9056A	₆ ₆	0 0		•		



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

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	Anal	yst: 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	Anal	yst: 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	Anal	yst: DT		Batch: 2509102
11110113 by E111 500:0/203011						



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

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	Anal	yst: 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	Anal	yst: 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	
						2500102
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2509102



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

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: 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	Ana	alyst: 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	Ana	alyst: 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	
	mg/kg	mg/kg	Ana	alyst: DT		Batch: 2509102
Anions by EPA 300.0/9056A	mg/kg	mg/kg				Buten: 2507102



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

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: 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	Anal	yst: 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	Anal	yst: 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	
A L. EDA 200 0/005 (A	mg/kg	mg/kg	Anal	yst: DT		Batch: 2509102
Anions by EPA 300.0/9056A	<u> </u>					



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

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: 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	Ana	lyst: 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	Ana	lyst: 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	Ana	lyst: DT		Batch: 2509102
11110113 by E111200:0/203011						



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

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: 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	Analys	t: 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	Analys	t: KH		Batch: 2509095
Diesel Range Organics (C10-C28)	1830	25.0	1	02/27/25	02/27/25	Т9
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	Analysi	t: DT		Batch: 2509102



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

		Reporting				
Analyte	Result	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	Т9
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
A.: b.: EDA 200 0/005/ A	mg/kg	mg/kg	Analyst	:: DT		Batch: 2509102
Anions by EPA 300.0/9056A	U U					



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

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: 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	Analys	t: 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	Analys	t: KH		Batch: 2509095
Diesel Range Organics (C10-C28)	2880	25.0	1	02/27/25	02/27/25	Т9
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
A L EDA 200 0/005 (A	mg/kg	mg/kg	Analys	t: DT		Batch: 2509102
Anions by EPA 300.0/9056A						



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

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: 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	Analys	st: 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	Analys	st: KH		Batch: 2509095
Diesel Range Organics (C10-C28)	1960	25.0	1	02/27/25	02/28/25	Т9
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	Analys	st: DT		Batch: 2509102
Chloride	ND	20.0	1	02/27/25	02/27/25	



		QC 50	u 11111114	iry Dat	a				
Cottonwood Consulting PO Box 1653 Durango CO, 81302		Project Name: Project Number: Project Manager:	20	uerfanito Unit 0035-C-0001 yle Siesser	t #083E			3/4	Reported: 4/2025 3:08:23PM
9 7		Volatile O			21B				Analyst: BA
									Allalyst. BA
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2509099-BLK1)							Prepared: 0	2/27/25 Anal	yzed: 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: 0	2/27/25 Anal	yzed: 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: 0	2/27/25 Anal	yzed: 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: 0	2/27/25 Anal	yzed: 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	
Totache	0.07								
o-Xylene	5.50	0.0250	5.00	ND	110	63-131	6.18	20	
			5.00 10.0	ND ND	110 112	63-131 63-131	6.18 5.84	20 20	

8.00

7.50

70-130



Surrogate: 4-Bromochlorobenzene-PID

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

Durango CO, 81302		Project Manage	r: Ky	le Siesser				3/	4/2025 3:08:23PM
	Non	halogenated	Organics l	by EPA 80	15D - Gl	RO			Analyst: BA
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes
Blank (2509099-BLK1)							Prepared: 02	2/27/25 Anal	yzed: 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	2/27/25 Anal	yzed: 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	2/27/25 Anal	yzed: 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	2/27/25 Anal	yzed: 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			



Cottonwood ConsultingProject Name:Huerfanito Unit #083EReported:PO Box 1653Project Number:20035-C-0001Durango CO, 81302Project Manager:Kyle Siesser3/4/20253:08:23PM

Durango CO, 81302		Project Manager	r: Ky	le Siesser					3/4/2025 3:08:23PM
	Nonha	logenated Or	ganics by	EPA 8015I	D - DRO	/ORO			Analyst: KH
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2509095-BLK1)							Prepared: 0	2/27/25 A1	nalyzed: 02/27/25
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	49.4		50.0		98.7	61-141			
LCS (2509095-BS1)							Prepared: 0	2/27/25 A1	nalyzed: 02/27/25
Diesel Range Organics (C10-C28)	229	25.0	250		91.5	66-144			
urrogate: n-Nonane	51.2		50.0		102	61-141			
Matrix Spike (2509095-MS1)				Source:	E502264-	10	Prepared: 0	2/27/25 A1	nalyzed: 02/27/25
Diesel Range Organics (C10-C28)	2160	25.0	250	1830	131	56-156			Т9
urrogate: n-Nonane	444		50.0		887	61-141			S5
Matrix Spike Dup (2509095-MSD1)				Source:	E502264-	10	Prepared: 0	2/27/25 Aı	nalyzed: 02/27/25
Diesel Range Organics (C10-C28)	2170	25.0	250	1830	133	56-156	0.304	20	Т9
urrogate: n-Nonane	933		50.0		NR	61-141			S5



Matrix Spike Dup (2509102-MSD1)

Chloride

QC Summary Data

Cottonwood Consulting PO Box 1653 Durango CO, 81302		Project Name: Project Number: Project Manager	: 2	Iuerfanito Unit 0035-C-0001 Cyle Siesser	t #083E				Reported: 3/4/2025 3:08:23PM
		Anions	by EPA	300.0/9056 <i>A</i>	A			Analyst: DT	
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2509102-BLK1)							Prepared: 0	2/27/25 Ar	nalyzed: 02/27/25
Chloride	ND	20.0							
LCS (2509102-BS1)							Prepared: 0	2/27/25 Ar	nalyzed: 02/27/25
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2509102-MS1)				Source:	E502264-	04	Prepared: 0	2/27/25 Ar	alyzed: 02/27/25
Chloride	254	20.0	250	ND	102	80-120			

250

20.0

Source: E502264-04

102

80-120

0.0185

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.



Prepared: 02/27/25 Analyzed: 02/27/25

20

Definitions and Notes

	Cottonwood Consulting	Project Name:	Huerfanito Unit #083E	
l	PO Box 1653	Project Number:	20035-C-0001	Reported:
l	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 Infor	mation
Client: Cot	tonwo

Chain of Custod	Chain	of	Custod
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EPA	Program
CWA	SDW
	RCR
State	
UT AZ	Z TX

Project, Huerfanito Unit #083E Project Managers: Kyle Siesser Address: Chr. State, Zio Address: PO Box 1653 Ctr. State, Zio Phone: Email: Sample Durango, CO 81302 Phone: Email: Sample Durang		ottonwoo					Bill To				L	ab Us	se On	ly					TAT	-	EPA P	rogram
Address: PO Box 1653 City, State, Zip Phone: Email: City, State, Zip Durango, CO 81302 Phone: Property Control of the Sample of Durango CO 81302 Phone: Property Control of the Sample of Durango CO 81302 Phone: Property Control of the Sample of Durango CO 81302 Phone: Property Control of Control						100,659,000			Lab	WO#	# 14	1	Job N	Num	ber	1 10) 21	D	3D	Standard		SDWA
City, State, Zip. Durango, CO 81302 Phone: 970-764-7356 Email: Selesses (gootlorwoodconsulting, com Report Que by: Simple of the Sampled Matrix Consults Sample ID SS01 SS01 SS01 SS03 SS03 SS03 SS03 SS03				esser		162000000			E.	YUZ	20											DCDA
Phone: 970-764-7356 Email: Em				CO 81	302	1000000			-	Т-	Г	1	Anaiy	sis ar	id Meti	100	\neg	Т		_		RCRA
Email is elesses accordionacodoconsulting.com Time Sampled Matrix Court Sample ID SSO1 SSO2 SSO3 SSO3 SSO3 SSO3 SSO3 SSO5 SSO5 SSO5 SSO5 SSO6 (a) SSO6 (b) SSO7 7 SSO6 SSO7 SSO7 SSO6				0001	002					S											State	
Report due by: Time Sampled Date Sampled Matrix Citical Sampled Date Sampled Date Sample ID SS02 2	Email: ksi	esser@cottor	nwoodcons	ulting,com						y 801	н			0.0		ı				NM CO		TXT
SSO1 SSO2 SSO3	Report d	ue by:							115	RO b	/ 802	826(6010	e 300								
SS02 SS03 SS03 SS04 4 SS04 4 SS05 SS05 SS05 SS05 SS05 SS06 G SS06 G SS07 T SS07 T SS07 T SS07 T SS08 Additional instructions: please co emillar goottonwoodconsulting.com, kobrien@cottonwoodconsulting.com, jlafortune@cottonwoodconsulting.com, and dsonger@cottonwoodconsulting.com with results SS07 SS07 SS07 SS07 SS08 SS07 SS08 SS07 SS08 SS07 SS08		Date Sampled	Matrix		Sample II)			DRO 80	GRO/DI	BTEX by	VOC by	Metals	Chlorid							Remarks	
SS03 SS03 SS04 4 SS04 4 SS05 SS05 SS05 SS05 SS07 T SS06 SS07 T SS08 SS08 SS08 SS08 SS08 SS08 SS08 SS	1010	2/25/25	Soil	1			SS01	1	1	1	1			✓								
SS04 1050 SS05 SS06 (0 SS06 (0 SS07 Toll Jab SS07 SS07 Additional instructions: please cc emillar@cottonwoodconsulting.com, kobrien@cottonwoodconsulting.com, jlafortune@cottonwoodconsulting.com, and dsonger@cottonwoodconsulting.com with results Additional instructions: please cc emillar@cottonwoodconsulting.com, kobrien@cottonwoodconsulting.com, jlafortune@cottonwoodconsulting.com, and dsonger@cottonwoodconsulting.com with results Additional instructions: please cc emillar@cottonwoodconsulting.com, kobrien@cottonwoodconsulting.com, jlafortune@cottonwoodconsulting.com, and dsonger@cottonwoodconsulting.com with results Additional instructions: please cc emillar@cottonwoodconsulting.com, kobrien@cottonwoodconsulting.com, jlafortune@cottonwoodconsulting.com, and dsonger@cottonwoodconsulting.com with results Sampler to please cc emillar@cottonwoodconsulting.com, ilafortune@cottonwoodconsulting.com, and dsonger@cottonwoodconsulting.com with results Sampler to please cc emillar@cottonwoodconsulting.com, ilafortune@cottonwoodconsulting.com, and dsonger@cottonwoodconsulting.com with results Sampler to please cc emillar@cottonwoodconsulting.com, ilafortune@cottonwoodconsulting.com, and dsonger@cottonwoodconsulting.com with results Sampler to please cc emillar@cottonwoodconsulting.com, and dsonger@cottonwoodconsulting.com with results Sampler to please cc emillar@cottonwoodconsulting.com, and dsonger@cottonwoodconsulting.com with results Sampler to please cc emillar@cottonwoodconsulting.com, and dsonger@cottonwoodconsulting.com Sampler to please	1020						SS02	2	1													
SS05 SS06 SS07 TO SS07	1030						SS03	3										-				
SSO6 N12 b SSO7 7 N30 SSO6 ON 12 b SSO7 7 N30 SSO7 7 N30 SSO7 SSO	1040						SS04	4														
SSO7 130 308 7130 Additional Instructions: please or emillar@cottonwoodconsulting.com, kobrien@cottonwoodconsulting.com, jlafortune@cottonwoodconsulting.com, and dsonger@cottonwoodconsulting.com with results. 1, (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: (Signature) Date Time Received by: (Signature) Date Time AVG Temp °C AVG Temp °C Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA	1050						SS05	5														
Additional Instructions: please cc emillar@cottonwoodconsulting.com, kobrien@cottonwoodconsulting.com, jlafortune@cottonwoodconsulting.com, and dsonger@cottonwoodconsulting.com with results f, 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: (Signature) Date Time Received by: (Signature) Date Time Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA	1100						SS06	6														
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:	1120						SS07	7				5										
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:	1130						5308	8														
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:	1215						5509	9														
please cc emillar@cottonwoodconsulting.com, kobrien@cottonwoodconsulting.com, jlafortune@cottonwoodconsulting.com, and dsonger@cottonwoodconsulting.com with results it, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Samples requiring thermal preservation must be received on ice the day they are sampled or received and the control of th	1245	7	C	7				10	1	3	1			1								
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. Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA Sample sequiring thermal preservation must be received on ice the day they are sampled or received on the sample location. Samples requiring thermal preservation must be received on ice the day they are sampled or received on the sample location. Samples requiring thermal preservation must be received on ice the day they are sampled or received on the sample location. Samples requiring thermal preservation must be received on ice the day they are sampled or received on the sample location. Samples requiring thermal preservation must be received on ice the day they are sampled or received on the sample location. Samples requiring thermal preservation must be received on ice the day they are sampled or received on the sample location. Samples requiring thermal preservation must be received on ice the day they are sampled or received on the sample location. Samples requiring thermal preservation must be received on ice the day they are sampled or received on the sample location. Samples requiring thermal preservation must be received on ice the day they are sampled or received on the sample location. Samples requiring thermal preservation must be received on the sample location. Samples requiring thermal preservation must be received on the sample location. Samples requiring thermal preservation must be received on the sample location. Samples requiring thermal preservation must be received on the sample location. Samples requiring thermal preservation must be received on the sample location. Samples requiring thermal preservation and samples location. Samples requiring thermal preservation and samples location. Samples requiring thermal preservation and samples locatio				oodcons	ulting.com	n, kobrien@	cottonwoodconsulting.com, jla	afortune@cot	tonw	oodo	cons	ulting	a.com	ı, an	d dsor	ger@	ocot	ton	wood	consulting.	com with	results
Refinquished by: (Signature) Date Time Received by: (Signature) Date Time AVG Temp °C Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA	I, (field samp	ler), attest to th	e validity and	authenticit	of this samp	le. I am aware th	nat tampering with or intentionally mislabe	elling the sample lo	cation				Sample	s requir	ing therm	al prese	vation	must	be recei	ved on ice the day	they are samp	
Relinquished by: (Signature) Date Time Received by: (Signature) Date Time Received by: (Signature) Date Time T1 T2 T3 Received by: (Signature) Date Time Received by: (Signature) Date Time AVG Temp °C Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA	Relinquiste	ed by: (Signatu	re)	Date 2	125/25	Time 1534	Received by: (8) gnature)		5			-	Rece	ived	on ice	. (e Only	'		
Relinquished by: (Signature) Date Time Received by: (Signature) Date Time AVG Temp °C AVG Temp °C Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA	Relinquishe	ed by: (Signatu	re)	Date			Received by: (Signature)		10						311100	'	_			T3		
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA	Relinquishe	ed by: (Signatu	re)	Date		Time	Received by: (Signature)	Date		Time				Tem	n°C	4						
	Sample Matr	ix: S - Soil, Sd - S	iolid, Sg - Slu	dge, A - Aque	eous, O - Othe	er		Containe	Туре	: g - g	glass.		_			ber g	lass.	v - \	/OA			
The reported an above the state of the state	Note: Samp	oles are discard	ded 30 days	after result	s are report	ted unless othe	r arrangements are made. Hazardou	s samples will be	retur	ned to	o clien	t or d	ispose	d of a	t the clie	ent exi	ense	. TI	ne repo	ort for the ana	lysis of the	above



envirotech start

Phone: 970-764-7356

Client: Cottonwood Consulting

Project: Huerfanito Unit #083E

Email: ksiesser@cottonwoodconsulting.com

Project Manager: Kyle Siesser
Address: PO Box 1653
City, State, Zip Durango, CO 81302

Lab Use Only

Lab WO# E5022(

Job Number

20035.C.0001

Analysis and Method

Bill To

Attention:

Address: City, State, Zip

Phone:

Email:

EPA Program

CWA

State

NM CO UT AZ TX

SDWA

RCRA

TAT

Standard

3D

1D 2D

25
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24
ge
Ра

Received by OCD: 9/27/2025 1:00:29 AM

Report d	ue by:			-					15	000	/ 80	826	109	e 30		1 1			L	× L		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID				Lab Number	DRO 8015	GRO/DRO	втех ьу 80	VOC by 826	Metals 601	Chloride 30						R	emarks	
1310	2/25/25	Soil	1	11	551)			11	√	√	✓			/ _								
1330					5512			12	1	1												
1345	\downarrow	U	シ		5513			13	J	J	J			C								
		7				1 =																
		_																				
	al Instruction cc emillar@		odconsu	ılting.com	, kobrien@c	ottonwoodcor	nsulting.com, jlafor	tune@cot	tonw	/oodc	onsu	ulting	.com	, and	dsong	er@c	otton	wood	cons	ulting.cor	n with res	sults
I, (field samp	ler), attest to the	validity and	authenticity	of this sampl	e. I am aware tha		intentionally mislabelling						((5))	02 65	2 5					ice the day the	y are sampled	or received
date or time	of collection is co	onsidered fra	ud and may l	oe grounds fo	or legal action.	Sam	pled by: Dylun 5	ouger + I	Dason	La	forti	ne	packed	n ice at ar	avg temp	above 0	but less	than 6°	C on sub	osequent days.		
BIL	ed by: (Signatur		Date Z/	25/25	Time \$534	Received by:	ignature)	Plas /	25	Time 15	35	,	Rece	ved o	n ice:		ab Use	Only	1			
Relinquishe	ed by: (Signatur	e)	Date	,	Time	Received by: (S	ignature)	Date		Time			T1			T2			T	3		
Relinquishe	ed by: (Signatur	e)	Date		Time	Received by: (S	ignature)	Date		Time			AVG	Temp	 °c	4						
Sample Mati	ix: S - Soil, Sd - So	olid, Sg - Slud	ge, A - Aque	ous, O - Othe	r	1		Containe	r Type	e: g - g	dass.						s. v - \	/OA				
						arrangements ar	e made. Hazardous sa												ort for	the analysi	s of the abo	ve
							ility of the laboratory is															



envirotech envirotech

envirotech Inc.

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

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

	Client:	Cottonwood Consulting	Date Received:	02/25/25	15:35	Work Order ID:	E502264
Chain of Custody (COC) 1. Does the sample 1D match the COC? 2. Does the number of samples per sampling site location match the COC 3. Does the number of samples per sampling site location match the COC 4. Wes the COC complete, i.e., signatures, data-chime, requested analyses? 5. Were all samples received within bolding time? 7. We as sample 1D match the COC inclinate standard TAT or Expedited TAT? 8. Were all samples received mixing the conducted in the field, i.e., 15 minute hold time, are not included in this discussion. 8. Sample Torn Around Time (TAT) 8. Dol the COC inclinate standard TAT, or Expedited TAT? 9. Was a sample cooler received ing ood condition? 9. Was the sample for received ing ood condition? 9. Wise the sample (specific intact, i.e., not broken? 10. Were custody/security seals intact? 11. Wes the sample received in received in received will 15 minutes of sampling 13. If no visible ice, record the temperature. Actual sample temperature: 4°C 8. Sample Container. 14. Are appeaus VOC samples present? 15. Are VOC samples collected in VOA Vials? 16. Is the head space less than 6-8 mm (pea sized or less)? 17. Was as ity blank (TB) included for VOC analyses? 18. Are non-VOC samples collected in the correct containers? 19. Is the appropriate volume/weigh or number of sample containers of sample? 20. Were field sample labels filled out with the minimum information: 18. Are non-VOC samples collected in the correct containers? 21. Does the COC correct required of get sent to a subcontract laboratory? 22. Are samples for required a for dissolved metals? No. Malifejanase Sample Marix. 23. Does the COC or field labels indicate the samples were preserved? No. Subcontract Laboratory. No. Subcontract Laboratory specified by the client and if so who? No. Subcontract Laboratory specified by the client and if so who? No. Subcontract Laboratory specified by the client and if so who? No. Subcontract Laboratory specified by the client and if so who?	Phone:	970-764-7356	Date Logged In:	02/26/25	12:04	Logged In By:	Caitlin Mars
Does the sample ID match the COC? 2. Does the number of samples per sampling site location match the COC Yes New Samples of per sampling site location match the COC Yes New Samples (Coc Complete, i.e., signatures, datas/mines, requested analyses? Yes New Samples received within boding time? Yes Note Analysis, such as pit which should be conducted in the field, i.e. 15 minute hold time, are not included in this discussion. Yes Sample Turn Around Time (TAT) Yes Sample Turn Around Time (TAT) Yes Yes Sample Cooler received in good condition? Yes Yes Sample Cooler received in good condition? Yes	Email:	ksiesser@cottonwoodconsulting.com	Due Date:	03/04/25	17:00 (5 day TAT)		
Does the sample ID match the COC? 2. Does the number of samples per sampling site location match the COC Yes New Samples of per sampling site location match the COC Yes New Samples (Coc Complete, i.e., signatures, datas/mines, requested analyses? Yes New Samples received within boding time? Yes Note Analysis, such as pit which should be conducted in the field, i.e. 15 minute hold time, are not included in this discussion. Yes Sample Turn Around Time (TAT) Yes Sample Turn Around Time (TAT) Yes Yes Sample Cooler received in good condition? Yes Yes Sample Cooler received in good condition? Yes	Chain a	Custody (COC)					
2. Does the number of samples aper sampling site location match the COC 3. Were samples dropped off by client or carrier; 4. Was the COC complete, i.e., signatures, datestimes, requested analyses? 5. Were all samples received within holding time? 5. Example Turn Armouf Time (TAM) 6. Did the COC indicate standard TAT, or Expedited TAT? 7. Was a sample cooler received? 8. If yes, was cooler received? 9. Was the sample(so received in good condition? 9. Was the sample(s) received induct, i.e., not broken? 9. Was the sample received on size? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received wit 15 minutes of sampling 13. If no visible ice, record the temperature. Actual sample temperature: 9. Note: Thermal preservation is not required, if samples are received wit 15 minutes of sampling 13. If no visible ice, record the temperature. Actual sample temperature: 9. Note: Thermal preservation is not required, if samples are received wit 15 minutes of sampling 13. If no visible ice, record the temperature. Actual sample temperature: 9. Note: Thermal preservation is not required, if samples are received wit 15 minutes of sampling 13. If no visible ice, record the temperature. Actual sample temperature: 9. No Note: Thermal preservation is not required in the correct containers? 9. No Note: Thermal preservation of the correct containers? 9. Is the appropriate volume/weight or number of sample containers collected? 9. Vers Field Label. 9. Were field sample labels filled out with the minimum information: 9. Sample In Preservation 12. Does the COC amples collected in the correct containers? 9. Is the COC amples collected in the correct containers? 9. No				37			
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Date

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

Report to: Kyle Siesser







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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

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Sample Summary

Cottonwood Consulting	Project Name:	Huerfanito Unit #083E	Reported:
PO Box 1653	Project Number:	20035-C-0001	Reported:
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.



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

		E303076-01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
· ·	mg/kg	mg/kg		rst: BA		Batch: 2519039
Volatile Organics by EPA 8021B			1	05/07/25	05/07/25	Batch. 2319039
Benzene	ND	0.0250	1			
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	Analy	rst: 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	Analy	st: NV		Batch: 2519072
Diesel Range Organics (C10-C28)	6100	25.0	1	05/07/25	05/07/25	Т9
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	Analy	rst: DT		Batch: 2519075
Chloride	ND	20.0	1	05/07/25	05/07/25	



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

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: 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	Ana	lyst: 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	Ana	lyst: 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	Ana	lyst: DT		Batch: 2519075



Huerfanito Unit #083E Cottonwood Consulting Project Name: 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 Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % % Notes Blank (2519039-BLK1) Prepared: 05/06/25 Analyzed: 05/06/25 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 8.74 8.00 109 70-130 LCS (2519039-BS1) Prepared: 05/06/25 Analyzed: 05/06/25 5.13 5.00 103 70-130 Benzene 0.0250 Ethylbenzene 5.12 0.0250 5.00 102 70-130 5.14 0.0250 5.00 103 70-130 Toluene o-Xylene 5.03 0.0250 5.00 101 70-130 10.3 10.0 103 70-130 0.0500 p.m-Xvlene 102 70-130 15.3 15.0 Total Xylenes 0.0250 8.00 111 70-130 Surrogate: 4-Bromochlorobenzene-PID 8.86 Matrix Spike (2519039-MS1) Source: E505055-04 Prepared: 05/06/25 Analyzed: 05/06/25 5.30 0.0250 5.00 ND 70-130 Benzene ND 70-130 Ethylbenzene 5.29 0.0250 5.00 106 Toluene 5.32 0.0250 5.00 ND 106 70-130 5.20 ND 104 70-130 5.00 0.0250 o-Xylene p,m-Xylene 10.6 0.0500 10.0 ND 106 70-130 0.0250 15.0 ND 70-130 Total Xylenes 70-130 Surrogate: 4-Bromochlorobenzene-PID 8.81 8.00 Matrix Spike Dup (2519039-MSD1) Source: E505055-04 Prepared: 05/06/25 Analyzed: 05/06/25 5.14 0.0250 5.00 ND 70-130 3.03 27 ND 70-130 2.76 5.14 0.0250 5.00 103 26 Ethylbenzene Toluene 5.16 0.0250 5.00 ND 103 70-130 2.89 20 5.06 5.00 ND 101 70-130 2.59 25 o-Xylene 0.0250 23

10.0

15.0

8.00

0.0500

0.0250

ND

ND

104

103

111

70-130

70-130

70-130

2.60

2.60

26



p,m-Xylene

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

10.4

15.4

8.88

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

Durango CO, 81302		Project Manage	r: Ky	le Siesser				5	/8/2025 2:20:11PM
	Non	halogenated	Organics l	oy EPA 80	15D - Gl	RO			Analyst: BA
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2519039-BLK1)							Prepared: 0	5/06/25 Ana	lyzed: 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: 0	5/06/25 Ana	lyzed: 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:	E505055-0	04	Prepared: 0	5/06/25 Ana	lyzed: 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:	E505055-0	04	Prepared: 0	5/06/25 Ana	lyzed: 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			

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

Durango CO, 81302		Project Manager	r: Ky	le Siesser				3	/8/2025 2:20:11PM
	Nonha	logenated Or	ganics by	EPA 8015I	D - DRO	/ORO		_	Analyst: NV
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2519072-BLK1)							Prepared: 0:	5/07/25 Ana	lyzed: 05/07/25
tiesel Range Organics (C10-C28)	ND	25.0							
vil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	52.7		50.0		105	61-141			
CS (2519072-BS1)							Prepared: 0	5/07/25 Ana	lyzed: 05/07/25
riesel Range Organics (C10-C28)	281	25.0	250		112	66-144			
urrogate: n-Nonane	50.6		50.0		101	61-141			
Matrix Spike (2519072-MS1)				Source:	E505078-0	01	Prepared: 0	5/07/25 Ana	lyzed: 05/07/25
tiesel Range Organics (C10-C28)	6010	25.0	250	6100	NR	56-156			M4
urrogate: n-Nonane	53.0		50.0		106	61-141			
Matrix Spike Dup (2519072-MSD1)				Source:	E505078-0	01	Prepared: 0	5/07/25 Ana	lyzed: 05/07/25
tiesel Range Organics (C10-C28)	5990	25.0	250	6100	NR	56-156	0.278	20	M4
urrogate: n-Nonane	51.0		50.0		102	61-141			



Cottonwood Consulting PO Box 1653 Durango CO, 81302		Project Name: Project Number: Project Manager:	ject Number: 20035-C-0001					Reported: 5/8/2025 2:20:11PM			
	Anions by EPA 300.0/9056A							Analyst: DT			
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes		

	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2519075-BLK1)							Prepared: 05	5/07/25 A	Analyzed: 05/07/25
Chloride	ND	20.0							
LCS (2519075-BS1)							Prepared: 05	5/07/25 A	Analyzed: 05/07/25
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2519075-MS1)				Source:	E505078-0	1	Prepared: 05	5/07/25 A	Analyzed: 05/07/25
Chloride	256	20.0	250	ND	103	80-120			
Matrix Spike Dup (2519075-MSD1)				Source:	E505078-0	1	Prepared: 05	5/07/25 A	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

ſ	Cottonwood Consulting	Project Name:	Huerfanito Unit #083E	
١	PO Box 1653	Project Number:	20035-C-0001	Reported:
l	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.

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

S5

RPD Relative Percent Difference

DNI Did Not Ignite

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

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

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



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Project N	roject Manager: Kyle Siesser City, State, Zip:																						
Address: PO Box 1653 Phone:							Г			Ana	alvsis	and	Met	hod				EF	A Progr	am			
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Time Sampled	Date Sampled	Matrix	No. of Containers		Sample ID		Field	Lab Numbe	er	DRO/ORO	BTEX by 8	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX	Sample	Temp	ке	marks	
300	5-6-25	Soil	1		BH-01 (14-16')		1	1	× >	< >		X						4.	3		d turn	
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Addition	al Instructio	ons: Plea	ase email	results to kob	rien@cottonwoodc	onsulting, jlafortune	@cotton	vodco	nsu	lting	& emi	lar@d	otto	nwo	odcor	rsulti	ng.c	om "	Presse	12.	ush E	14-02	
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ampled by:	Jose p	e validity and	authenticity	of this sample. I an	size SS eV	h or intentionally mislabeli	ng the sample	location	n, date	e or tim	e of col	ection i	s consi	dered	fraud a	nd ma	y be gr	rounds fo	r legal actic	n.			
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ample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																	-						
ample Mat	rix: 5 - Soll, 5d - Se	ona, Sg - Sluc		ous, O - Other are reported unl			Contai	ner Ty	pe: £			ooly/p	lastic,	ag -	ambe	r glas	S, V -	VOA					

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

Page 12 of 13

Page 70 of 121

envirotech Inc.

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

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

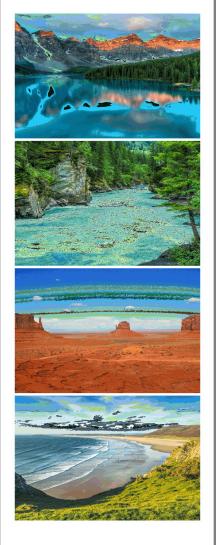
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	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 1. Does ti 2. Does ti 3. Were si 4. Was th 5. Were a Sample 7 6. Did the Sample 6 7. Was a 8. If yes, 9. Was th 10. Were	he sample ID match the COC? he number of samples per sampling site location match amples dropped off by client or carrier? e COC complete, i.e., signatures, dates/times, requently samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssifurn Around Time (TAT) e COC indicate standard TAT, or Expedited TAT?	sted analyses?	Yes Yes Yes Yes Yes Yes Yes Yes Yes No NA	Carrier: <u>A.</u>		ts/Resolution
-	ne sample received on ice?		Yes			
	Note: Thermal preservation is not required, if samples at 15 minutes of sampling COC for individual sample temps. Samples outside of			in comments.		
	<u>Container</u>					
	queous VOC samples present?		No			
	OC samples collected in VOA Vials?		NA			
	head space less than 6-8 mm (pea sized or less)?		NA			
	a trip blank (TB) included for VOC analyses?	o.	NA			
	on-VOC samples collected in the correct containers		Yes			
	appropriate volume/weight or number of sample contai	ners collected?	Yes			
S E C	field sample labels filled out with the minimum infample ID? Oate/Time Collected? Collectors name?	ormation:	Yes Yes Yes			
	Preservation the COC or field labels indicate the samples were p	reserved?	No			
	ample(s) correctly preserved?	icscived:	NA NA			
	filtration required and/or requested for dissolved m	etals?	No			
	ase Sample Matrix		110			
	the sample have more than one phase, i.e., multipha	ice?	No			
	, does the COC specify which phase(s) is to be anal					
		yzed:	NA			
28. Are s	ract Laboratory amples required to get sent to a subcontract laborator a subcontract laboratory specified by the client and i	-	No NA	Subcontract Lab:	: NA	
Client I	<u>nstruction</u>					

Date

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

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

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: 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

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Sample Summary

Cottonwood Consulting	Project Name:	Huerfanito Unit #083E	Reported:
PO Box 1653	Project Number:	20035-C-0001	Reported:
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.



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

		L303170 01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: 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	Analy	st: 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	Analy	st: 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	Analy	Analyst: RAS		Batch: 2520026
Chloride	ND	20.0	1	05/12/25	05/13/25	



Chloride

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 Reporting Analyte Limit Dilution Analyzed Notes Result Prepared Analyst: BA Batch: 2519129 mg/kg mg/kg Volatile Organics by EPA 8021B 05/12/25 ND 0.0250 05/08/25 Benzene 1 05/08/25 05/12/25 Ethylbenzene ND 0.0250ND 0.025005/08/25 05/12/25 Toluene 1 05/08/25 05/12/25 o-Xylene ND 0.02501 05/08/25 05/12/25 ND 0.0500 p,m-Xylene 05/08/25 05/12/25 1 Total Xylenes ND 0.025005/08/25 05/12/25 96.7 % 70-130 Surrogate: 4-Bromochlorobenzene-PID mg/kg Analyst: BA Batch: 2519129 Nonhalogenated Organics by EPA 8015D - GRO mg/kg 05/12/25 ND 20.0 1 05/08/25 Gasoline Range Organics (C6-C10) Surrogate: 1-Chloro-4-fluorobenzene-FID 92.6 % 05/08/25 05/12/25 70-130 mg/kg mg/kg Analyst: HM Batch: 2519162 Nonhalogenated Organics by EPA 8015D - DRO/ORO ND 25.0 05/09/25 05/13/25 Diesel Range Organics (C10-C28) 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 Analyst: RAS Batch: 2520026 Anions by EPA 300.0/9056A mg/kg mg/kg

20.0

1

05/12/25

05/13/25

ND



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

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: 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	Analys	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	Analys	Analyst: HM		Batch: 2519162
Diesel Range Organics (C10-C28)	1530	25.0	1	05/09/25	05/13/25	Т9
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	Analys	st: RAS		Batch: 2520026
Chloride	59.7	20.0	1	05/12/25	05/13/25	



Chloride

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 Reporting Analyte Result Limit Dilution Analyzed Notes Prepared mg/kg Analyst: BA Batch: 2519129 mg/kg Volatile Organics by EPA 8021B 05/12/25 ND 0.0250 05/08/25 Benzene 1 05/08/25 05/12/25 Ethylbenzene 0.0384 0.02500.168 0.025005/08/25 05/12/25 Toluene 1 05/08/25 05/12/25 0.0998 o-Xylene 0.02501 05/08/25 05/12/25 0.456 0.0500 p,m-Xylene 05/08/25 05/12/25 1 Total Xylenes 0.555 0.025005/08/25 05/12/25 98.1 % 70-130 Surrogate: 4-Bromochlorobenzene-PID mg/kg Analyst: BA Batch: 2519129 Nonhalogenated Organics by EPA 8015D - GRO mg/kg 05/12/25 ND 20.0 1 05/08/25 Gasoline Range Organics (C6-C10) Surrogate: 1-Chloro-4-fluorobenzene-FID 95.2 % 05/08/25 05/12/25 70-130 mg/kg mg/kg Analyst: HM Batch: 2519162 Nonhalogenated Organics by EPA 8015D - DRO/ORO ND 25.0 05/09/25 05/13/25 Diesel Range Organics (C10-C28) 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 Analyst: RAS Batch: 2520026 Anions by EPA 300.0/9056A mg/kg mg/kg

20.0

1

05/12/25

05/13/25

48.6



Anions by EPA 300.0/9056A

Chloride

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 Reporting Analyte Limit Dilution Analyzed Notes Result Prepared Analyst: BA Batch: 2519129 mg/kg mg/kg Volatile Organics by EPA 8021B 05/13/25 ND 0.0250 05/08/25 Benzene 1 05/08/25 05/13/25 Ethylbenzene ND 0.0250ND 0.025005/08/25 05/13/25 Toluene 1 05/08/25 05/13/25 o-Xylene ND 0.02501 05/08/25 05/13/25 ND 0.0500 p,m-Xylene 05/08/25 05/13/25 1 Total Xylenes ND 0.025097.9 % 05/08/25 05/13/25 70-130 Surrogate: 4-Bromochlorobenzene-PID mg/kg Analyst: BA Batch: 2519129 Nonhalogenated Organics by EPA 8015D - GRO mg/kg 05/13/25 ND 20.0 1 05/08/25 Gasoline Range Organics (C6-C10) Surrogate: 1-Chloro-4-fluorobenzene-FID 92.5 % 05/08/25 05/13/25 70-130 mg/kg mg/kg Analyst: HM Batch: 2519162 Nonhalogenated Organics by EPA 8015D - DRO/ORO ND 25.0 05/09/25 05/13/25 Diesel Range Organics (C10-C28) 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

mg/kg

20.0

mg/kg

ND

Analyst: RAS

05/12/25

05/13/25

1



Batch: 2520026

QC Summary Data

Huerfanito Unit #083E Cottonwood Consulting Project Name: 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 Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % % Notes Blank (2519129-BLK1) Prepared: 05/08/25 Analyzed: 05/12/25 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 8.14 8.00 102 70-130 LCS (2519129-BS1) Prepared: 05/08/25 Analyzed: 05/12/25 5.38 5.00 108 70-130 Benzene 0.0250 Ethylbenzene 5.27 0.0250 5.00 105 70-130 5.34 0.0250 5.00 107 70-130 Toluene 5.17 103 o-Xylene 0.0250 5.00 70-130 10.6 10.0 106 70-130 0.0500 p.m-Xvlene 105 70-130 15.8 15.0 Total Xylenes 0.0250 8.00 102 70-130 Surrogate: 4-Bromochlorobenzene-PID 8.19 Matrix Spike (2519129-MS1) Source: E505102-01 Prepared: 05/08/25 Analyzed: 05/12/25 6.15 0.0250 5.00 ND 123 70-130 Benzene ND 70-130 Ethylbenzene 6.02 0.0250 5.00 120 Toluene 6.10 0.0250 5.00 ND 122 70-130 5.91 ND 118 70-130 5.00 0.0250 o-Xylene p,m-Xylene 12.1 0.0500 10.0 ND 121 70-130 0.0250 15.0 ND 70-130 Total Xylenes 70-130 Surrogate: 4-Bromochlorobenzene-PID 8.14 8.00 Matrix Spike Dup (2519129-MSD1) Source: E505102-01 Prepared: 05/08/25 Analyzed: 05/12/25 5.58 0.0250 5.00 ND 112 70-130 9.77 27 ND 70-130 9.78 5.46 0.0250 5.00 109 26 Ethylbenzene Toluene 5 53 0.0250 5.00 ND 111 70-130 9.82 20

5.00

10.0

15.0

8.00

0.0250

0.0500

0.0250

ND

ND

ND

107

110

109

102

70-130

70-130

70-130

70-130

9.81

9.84

9.83

25

23

26



o-Xylene

p,m-Xylene

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

5.36

11.0

16.4

8.18

Surrogate: 1-Chloro-4-fluorobenzene-FID

QC Summary Data

Cottonwood ConsultingProject Name:Huerfanito Unit #083EReported:PO Box 1653Project Number:20035-C-0001Durango CO, 81302Project Manager:Kyle Siesser5/15/20253:24:49PM

Durango CO, 81302		Project Manage	r: Ky	yle Siesser				5	5/15/2025 3:24:49PM		
	Nonhalogenated Organics by EPA 8015D - GRO								Analyst: BA		
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes		
Blank (2519129-BLK1)							Prepared: 0	5/08/25 An	alyzed: 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: 0	5/08/25 An	alyzed: 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: 0	5/08/25 An	alyzed: 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: 0	5/08/25 An	alyzed: 05/12/25		
Gasoline Range Organics (C6-C10)	46.4	20.0	50.0	ND	92.8	70-130	1.55	20			

8.00

7.55

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

Durango CO, 81302		Project Manager	r: Ky	le Siesser					3/13/2023 3:24:49PW
_	Nonha	logenated Or	ganics by	EPA 8015I	D - DRO	/ORO			Analyst: HM
analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2519162-BLK1)							Prepared: 0	5/09/25 A	nalyzed: 05/13/25
iesel Range Organics (C10-C28)	ND	25.0							
il Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	51.1		50.0		102	61-141			
CS (2519162-BS1)							Prepared: 0	5/09/25 A	nalyzed: 05/13/25
iesel Range Organics (C10-C28)	270	25.0	250		108	66-144			
urrogate: n-Nonane	51.7		50.0		103	61-141			
latrix Spike (2519162-MS1)				Source:	E505102-0	03	Prepared: 0	5/09/25 A	nalyzed: 05/13/25
iesel Range Organics (C10-C28)	275	25.0	250	ND	110	56-156			
urrogate: n-Nonane	53.5		50.0		107	61-141			
Matrix Spike Dup (2519162-MSD1)				Source:	E505102-	03	Prepared: 0	5/09/25 A	nalyzed: 05/13/25
iesel Range Organics (C10-C28)	204	25.0	250	ND	114	56-156	3.19	20	
()	284	25.0	230	ND	114	30-130	5.17	20	

Chloride

Matrix Spike Dup (2520026-MSD1)

QC Summary Data

Cottonwood Consulting PO Box 1653 Durango CO, 81302		Project Name: Project Number Project Manage	: 2	uerfanito Unit 0035-C-0001 yle Siesser	t #083E			:	Reported: 5/15/2025 3:24:49PM
		Anions	by EPA	300.0/9056	4				Analyst: RAS
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes
Blank (2520026-BLK1)							Prepared: 0	5/12/25 Ar	nalyzed: 05/12/25
Chloride	ND	20.0							
LCS (2520026-BS1)							Prepared: 0	5/12/25 Ar	nalyzed: 05/12/25
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2520026-MS1)				Source:	E505095-	04	Prepared: 0	5/12/25 Ar	nalyzed: 05/13/25
Chloride	257	20.0	250	ND	103	80-120			

250

Source: E505095-04

ND

103

80-120

0.0218

20.0

257

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.



Prepared: 05/12/25 Analyzed: 05/13/25

20

Definitions and Notes

ſ	Cottonwood Consulting	Project Name:	Huerfanito Unit #083E	
l	PO Box 1653	Project Number:	20035-C-0001	Reported:
1	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.



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Chain of Custody

	/irot					Chain	of Custo	ody														Page
	Clie	nt Inforn	nation			nvoice Information	n			L	ab U	se Or	nly		3.4		T,	AT			Stat	e
Client: C	ottonwood C	onsulting	LLC		Company:			L	ab WO			_	Num	ber		1D			Std	NM	CO UT	
1	Name: Huerfa	•	t #083E		Address:				ab WO	SIC	1			-6-	200			-	X	X	55 51	
	Manager: Kyl				City, State, Z	ip:			505		S (Ay.	2/2	ns.								
	: PO Box 165				Phone:							Ana	alysis	and	Met	hod				EF	A Progra	am
	te, Zip: Durar		<u>1302</u>		Email:			1		1										SDWA	CWA	RCRA
	70 764 3756		1.1		Miscellaneou	5:			N.			1										
Email: k	siesser@cott	onwoodc	onsulting	.com					015	150				1						Complian	e Y	or N
				Cample In				39.58	P 8	by 8	120	8	0.0	¥	etals		_			PWSID#		
Time	T		T	Sample Inf			P 4	Lab		%	by 8	3 82	de 3	500	₩ .		ž	Ĕ		np du	Day	
Sampled	Date Sampled	Matrix	No. of Containers		Sample ID		Field	Numb	1 0	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005 - TX	RCRA 8 Metals		BGDOC - NM	BGDOC - TX		Sample	Ker	narks
1030	5-7-25	Soil	1	je	3H-03 (1	8-20')			>	X	X		X							4.3		
1155	5-7-23			[3	H-04 (1	8-20')		2	×	\times	×		X							4.7		
1408	5-7-25			B	14-05 (14	1-16')		3	×	X	X		X							4.0		
1415	5-7-25			В	H-05 (2	2-24')		4	×	X	X		X							4.1		
1510	5-7-25	V	\lor	B	H-06 (18	2-20')		5	×	X	×		X							4.5		
					000 - 01 - W					-												 .
									allino													
Additio	nal Instructio	ns: Plea	se email	results to kobrid	en@cottonwoodc	onsulting, jlafortun	e@cotton	wodc	onsulti	ng &	emil	ar@c	otto	nwoo	dcon	sult	ing.c	om				
I, (field sam Sampled by	pler), attest to the	validity and	SAPH	of this sample. I am a	ware that tampering wit	h or intentionally mislabel	ling the sampl	e locatio	on, date o	r time	of colle	ction i	s consi	dered 1	raud ar	nd ma	y be g	rounds	for leg	gal action.		
Relinquish	ed by: (Signatur		M	D.A.	- Territoria	Received by: (Sig				Date	207103			Time					_	Samples re	quiring th	ermai
9		_	electric control of the control of t	5-Z-25		Noe	5	3		1 5	5.5	7.2	2	16	41				pre	servation r	nust be re	ceived on
Relipquish	ed by: (Signatur	e)		Date	Time	Received by: (Sig	nature)			Date	150-0-0-01			Time					1	e the day the eived pack		
Relinquish	ed by: (Signatur	e)		Date	Time	Received by: (Sig	nature)			Date				Time					•	bove 0 but		6°C on
Relinquish	ed by: (Signatur	e)	77	Date	Time	Received by: (Sig	nature)		South Co.	Date				Time	-						Use Only	
Relinquish	ed by: (Signatur	e)		Date	Time	Received by: (Sig	nature)			Date				Time		_				Recei	ved on ic	
Sample Ma	trix: S - Soil, Sd - S	olid Sp. Shu	dae A - Acus	Ous O - Other			Contr	iner T	ype: g -	glass	n - n	olu/o	lactic	20	amha	r also	ee v	VOA			1190	
					s other arrangements	are made. Hazardous s														e analysis o	the above	samples is

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

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

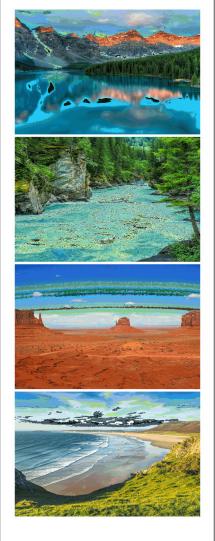
Instructions: Please take note of any NO checkmarks.

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

Client:	Cottonwood Consulting	Date Received:	05/07/25 10	5:41	Work Order ID:	E505170
Phone:	970-764-7356	Date Logged In:	05/15/25 12	2:47	Logged In By:	Raina Schwanz
Email:	ksiesser@cottonwoodconsulting.com	Due Date:	05/14/25 1	7:00 (5 day TAT)		
Chain of	Custody (COC)					
1. Does t	he sample ID match the COC?		Yes			
	he number of samples per sampling site location m	atch the COC	Yes			
3. Were s	amples dropped off by client or carrier?		Yes	Carrier: Joseph LaFortu	<u>ine</u>	
4. Was th	e COC complete, i.e., signatures, dates/times, requ	ested analyses?	Yes			
5. Were a	Ill samples received within holding time? Note: Analysis, such as pH which should be conducted i.e, 15 minute hold time, are not included in this disues:		Yes		Commen	ts/Resolution
Sample 7	Turn Around Time (TAT)					
	e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample (-					
	sample cooler received?		Yes			
8. If yes,	was cooler received in good condition?		Yes			
9. Was th	e sample(s) received intact, i.e., not broken?		Yes			
	custody/security seals present?		No			
	, were custody/security seals intact?		NA			
•	ne sample received on ice?					
	Note: Thermal preservation is not required, if samples a 15 minutes of sampling COC for individual sample temps. Samples outside		Yes	a comments		
		or o e-o e will be	recorded ii	i comments.		
_	Container queous VOC samples present?		No			
	/OC samples collected in VOA Vials?		NO NA			
	head space less than 6-8 mm (pea sized or less)?		NA			
	a trip blank (TB) included for VOC analyses?		NA			
	non-VOC samples collected in the correct container	a9	Yes			
	appropriate volume/weight or number of sample container		Yes			
		iniers conected:	108			
Field La	field sample labels filled out with the minimum in	formation:				
	ample ID?	iormation.	Yes			
	Date/Time Collected?		Yes			
	Collectors name?		Yes			
Sample 1	Preservation					
21. Does	the COC or field labels indicate the samples were	preserved?	No			
	ample(s) correctly preserved?		NA			
24. Is lab	filtration required and/or requested for dissolved n	netals?	No			
Multiph:	ase Sample Matrix					
26. Does	the sample have more than one phase, i.e., multiph	ase?	No			
27. If yes	s, does the COC specify which phase(s) is to be ana	lyzed?	NA			
Subcont	ract Laboratory					
	amples required to get sent to a subcontract laborat	orv?	No			
	a subcontract laboratory specified by the client and	•		Subcontract Lab: NA		
	nstruction					
Chent I	<u>instruction</u>					
Ь						
						_

Date

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

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whinchman@envirotech-inc.com

Raina Schwanz

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rainaschwanz@envirotech-inc.com

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Sample Summary

Cottonwood Consulting	Project Name:	Huerfanito Unit #083E	Reported:
PO Box 1653	Project Number:	20035-C-0001	Reported.
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.



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

		E303103-01				
Analyte	Result	Reporting Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: 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	Ana	ılyst: 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	Ana	ılyst: 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	Ana	ılyst: DT		Batch: 2520026
Chloride	328	20.0	1	05/12/25	05/13/25	



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')

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: 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	An	alyst: 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	An	alyst: HM		Batch: 2519162
Diesel Range Organics (C10-C28)	428	25.0	1	05/09/25	05/13/25	Т9
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	An	alyst: DT		Batch: 2520026
Chloride	ND	20.0	1	05/12/25	05/13/25	



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				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: 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	
o,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	Ana	lyst: 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	Ana	lyst: 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	Ana	lyst: DT		Batch: 2520026
Chloride	79.8	20.0	1	05/12/25	05/13/25	



QC Summary Data

Huerfanito Unit #083E Cottonwood Consulting Project Name: 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 Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % % Notes Blank (2519139-BLK1) Prepared: 05/09/25 Analyzed: 05/13/25 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 7.97 8.00 99.7 70-130 LCS (2519139-BS1) Prepared: 05/09/25 Analyzed: 05/13/25 5.48 5.00 110 70-130 Benzene 0.0250 Ethylbenzene 5.35 0.0250 5.00 107 70-130 5.44 0.0250 5.00 109 70-130 Toluene 5.25 105 o-Xylene 0.0250 5.00 70-130 10.8 10.0 108 70-130 0.0500 p.m-Xvlene 107 70-130 16.0 15.0 Total Xylenes 0.0250 8.00 97.8 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.82 Matrix Spike (2519139-MS1) Source: E505108-02 Prepared: 05/09/25 Analyzed: 05/13/25 5.22 0.0250 5.00 ND 70-130 Benzene ND 102 70-130 Ethylbenzene 5.10 0.0250 5.00 Toluene 5.17 0.0250 5.00 ND 103 70-130 4.99 ND 99.7 70-130 5.00 0.0250 o-Xylene p,m-Xylene 10.3 0.0500 10.0 ND 103 70-130 0.0250 15.0 ND 70-130 Total Xylenes 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.88 8.00 Matrix Spike Dup (2519139-MSD1) Source: E505108-02 Prepared: 05/09/25 Analyzed: 05/13/25 5.35 0.0250 5.00 ND 70-130 2.49 27 5.25 ND 70-130 2.97 0.0250 5.00 105 26 Ethylbenzene Toluene 5.31 0.0250 5.00 ND 106 70-130 2.62 20

5.00

10.0

15.0

8.00

0.0250

0.0500

0.0250

10.6

15.7

7.96

ND

ND

ND

103

106

105

99.4

70-130

70-130

70-130

70-130

3.36

3.00

3.12

25

23

26



o-Xylene

p,m-Xylene

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

Gasoline Range Organics (C6-C10)

Surrogate: 1-Chloro-4-fluorobenzene-FID

49.1

7.49

20.0

QC Summary Data

Cottonwood ConsultingProject Name:Huerfanito Unit #083EReported:PO Box 1653Project Number:20035-C-0001Durango CO, 81302Project Manager:Kyle Siesser5/15/20259:17:39AM

Durango CO, 81302		Project Manage	r: Ky	le Siesser				5/	15/2025 9:17:39AN	
Nonhalogenated Organics by EPA 8015D - GRO								Analyst: BA		
Analyte	Result mg/kg	Reporting Limit	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes	
	mg/kg	mg/kg	mg/kg	mg/kg	70	70	70	70	Notes	
Blank (2519139-BLK1)							Prepared: 0	5/09/25 Ana	lyzed: 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: 0	5/09/25 Ana	lyzed: 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: 0	5/09/25 Ana	lyzed: 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: 0	5/09/25 Ana	lyzed: 05/13/25	

50.0

8.00

ND

98.2

93.7

70-130

70-130

5.25

20



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

Durango CO, 81302		Project Manage	r: Ky	le Siesser					5/15/2025 9:17:39AF
	Nonha	logenated Or	ganics by l	EPA 8015I) - DRO	ORO/			Analyst: HM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2519162-BLK1)							Prepared: 0	5/09/25 Aı	nalyzed: 05/13/25
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	51.1		50.0		102	61-141			
LCS (2519162-BS1)							Prepared: 0	5/09/25 Aı	nalyzed: 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: 0	5/09/25 Aı	nalyzed: 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: 0	5/09/25 Aı	nalyzed: 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 PO Box 1653 Durango CO, 81302		Project Name: Project Number: Project Manager	:	Huerfanito Unit 20035-C-0001 Kyle Siesser	#083E			5.	Reported: /15/2025 9:17:39AM
		Anions	by EPA	300.0/9056	4				Analyst: DT
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes

	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2520026-BLK1)							Prepared: 05	5/12/25	Analyzed: 05/12/25
Chloride	ND	20.0							
LCS (2520026-BS1)							Prepared: 05	5/12/25 A	Analyzed: 05/12/25
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2520026-MS1)				Source:	E505095-0)4	Prepared: 05	5/12/25 A	Analyzed: 05/13/25
Chloride	257	20.0	250	ND	103	80-120			
Matrix Spike Dup (2520026-MSD1)				Source:	E505095-0)4	Prepared: 05	5/12/25	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.



Released	enviro
6	
Imaging	Client: Cottonwoo
na	Project Name: Hu
Si.	Project Manager:
90	Address: PO Box 1
	City, State, Zip: Du
2	Phone: 970 764 3
1/19/2	Email: ksiesser@c
~	

Chain of Custody

Page	of	Receive
te TX		Received by OCD: 9/27/2025 1:00:29 AM
am RCRA		: 9/27/2
or N		025 1:00
marks		0:29 AM

	irot					Chain of	Cust	ody															Page
	Clie	nt Inforn	nation		Inv	oice Information					La	b Us	e On	ily	S PE			T	AT			Stat	e
	ottonwood C				Company:				ab W				Job	Num	ber		1D	2D	3D	Std	NM	CO UT	TX
100000000000000000000000000000000000000	Name: Huerfa		t #083E		Address:			E	E 50	251	05		200	35-	C-00	100			D	×	X		
	Manager: Kyl				City, State, Zip:			_	_											Arrest .			
	PO Box 165	-	1202		Phone:			-	_				Ana	lysis	and	Met	hod					A Progra	
	te, Zip: Durar 970 764 3756		1302		Email:																SDWA	CWA	RCRA
	siesser@cott		onsulting	com	Miscellaneous:															1	Camalian	- T v	I N
Lindii. K.	31C33C1@COtt	SHWOOde	Orisaiting	<u>,.com</u>						801	801			0		2				l	Compliant PWSID #	ce Y	or N
				Sample Infor	mation					O by	O by	8021	3260	300.	1 - 2	Aeta		Σ	×	1			
Time Sampled	Date Sampled	Matrix	No. of Containers		Sample ID	-	Field	Lab Numb	per	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	Ren	narks
0945	5-8-25	Soil	1	BH-	07 (16-18))@ 3L		1		×	×	X		×							3.9		
(050	5-8-25	Soll	1	BH-				7		×	×	×		×							4.1		
1105	5-8-25	Soil	1	Bt -	08 (16-2	۵′)		3		X	X	X		X							4.2		
																							-
4																							
	1																						
					Annual Control																		
						sulting, jlafortune@																	
I, (field sam Sampled by	pler), attest to the	validity and	authenticity	of this sample. I am awa	re that tampering with o	r intentionally mislabeling	the samp	e locatio	on, dat	te or t	ime of	f collec	ction is	consid	dered f	raud a	nd ma	y be gr	rounds	for leg	gal action.		-
Relinquish	ed by: (Signatur	e)'		S-8-25	Time 1234	Received by: (Signati	ure)				Date	.8.	25		Time	234	-1			1	Samples re servation n		
Relinquish	ed by: (Signatur	e)		Date	Time	Received by: (Signate	ure)			1	Date				Time						e the day the		
Relinquish	ed by: (Signatur	e)		Date	Time	Received by: (Signate	ure)				Date				Time					1	above 0 but		6°C on
Relinquish	ed by: (Signatur	e)		Date	Time	Received by: (Signati	ure)				Date				Time						Lab	Use Only	
4	ed by: (Signatur			Date	Time	Received by: (Signati	ure)			1	Date				Time						COMPANIE ACCOMPENSATE	Y/N	
	trix: S - Soil, Sd - S					-	Cont	iner T	ype:	g-g	lass,	p - pc	oly/pl	astic,	ag -	ambe	r glas	s, v -	VOA				
Note: Sam	ples are discard	ed 14 days	after result:	s are reported unless of	ther arrangements are	made. Hazardous samı	oles will	be retur	rned t	to clie	ent or	dispo	sed o	f at th	ne clie	nt exp	ense.	The r	eport	for th	e analysis of	the above	samples is

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

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	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 t	he sample ID match the COC?		Yes			
2. Does t	he number of samples per sampling site location ma	atch the COC	Yes			
3. Were s	samples dropped off by client or carrier?		Yes	Carrier: Joseph LaFort	tune	
4. Was th	ne COC complete, i.e., signatures, dates/times, reque	ested analyses?	Yes			
5. Were a	all samples received within holding time?		Yes			
	Note: Analysis, such as pH which should be conducted i.e, 15 minute hold time, are not included in this disucss				Commen	ts/Resolution
Sample '	Turn Around Time (TAT)	ion.				<u> </u>
	e COC indicate standard TAT, or Expedited TAT?		Yes			
Sample (<u>Cooler</u>					
	sample cooler received?		Yes			
8. If yes,	was cooler received in good condition?		Yes			
9. Was th	ne sample(s) received intact, i.e., not broken?		Yes			
	custody/security seals present?		No			
	s, were custody/security seals intact?		NA			
•	he sample received on ice?		Yes			
12. was u	Note: Thermal preservation is not required, if samples a	re received within	ies			
	15 minutes of sampling					
13. See C	COC for individual sample temps. Samples outside	of 0°C-6°C will be	recorded in	comments.		
Sample	<u>Container</u>					
14. Are a	queous VOC samples present?		No			
15. Are V	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 r	non-VOC samples collected in the correct container	s?	Yes			
19. Is the	appropriate volume/weight or number of sample conta	iners collected?	Yes			
Field La	<u>bel</u>					
20. Were	field sample labels filled out with the minimum in	formation:				
	Sample ID?		Yes			
	Date/Time Collected? Collectors name?		Yes			
			Yes			
	Preservation the COC or field labels indicate the samples were p	recerved?	No			
	sample(s) correctly preserved?	oreserveu:	NA			
	o filtration required and/or requested for dissolved n	netals?				
	-		No			
	ase Sample Matrix	9	3.7			
	the sample have more than one phase, i.e., multiph		No			
	s, does the COC specify which phase(s) is to be ana	iyzeu?	NA			
	ract Laboratory					
	amples required to get sent to a subcontract laborat	-	No			
	a subcontract laboratory specified by the client and	if so who?	NA S	ubcontract Lab: NA		
Client I	<u>nstruction</u>					

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:	OGRID:
BENSON-MONTIN-GREER DRILLING CORP	2096
4900 College Blvd.	Action Number:
Farmington, NM 87402	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.

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

Action 433419

CONDITIONS

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

CONDITIONS

Created By		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

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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 433746

QUESTIONS

ı	Operator:	OGRID:
ı	HILCORP ENERGY COMPANY	372171
ı	1111 Travis Street	Action Number:
ı	Houston, TX 77002	433746
ı		Action Type:
ı		[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 Phone: (505) 629-6116

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

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

CONDITIONS

Action 433746

CONDITIONS

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

CONDITIONS

Created By		Condition Date
kkaufman	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.	

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 458285

Ql	JESTIONS	
Operator: HILCORP ENERGY COMPANY		OGRID: 372171
1111 Travis Street Houston, TX 77002		Action Number: 458285
Houston, TX 17002		Action Type:
		[NOTIFY] Notification Of Sampling (C-141N)
QUESTIONS		
Prerequisites		
Incident ID (n#)	nAPP2503435211	
Incident Name	NAPP2503435211 HUI	ERFANITO #83E @ 30-045-34695
Incident Type	Release Other	
Incident Status	Initial C-141 Approved	I
Incident Well	[30-045-34695] HUERF	ANITO 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.	4.000	
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 samplin	g.	
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 m	nay 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

Action 458285

CONDITIONS

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

CONDITIONS

Created By		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:	OGRID:
HILCORP ENERGY COMPANY	372171
1111 Travis Street	Action Number:
Houston, TX 77002	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.

General Information Phone: (505) 629-6116

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

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

CONDITIONS

Action 458301

CONDITIONS

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

CONDITIONS

Created By		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

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 459800

Ql	JESTIONS	
Operator: HILCORP ENERGY COMPANY		OGRID: 372171
1111 Travis Street Houston, TX 77002		Action Number: 459800
		Action Type: [NOTIFY] Notification Of Sampling (C-141N)
QUESTIONS		
Prerequisites		
Incident ID (n#)	nAPP2503435211	
Incident Name	NAPP2503435211 HUE	ERFANITO #83E @ 30-045-34695
Incident Type	Release Other	
Incident Status	Initial C-141 Approved	
Incident Well	[30-045-34695] HUERF	ANITO 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	1,600	
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	8 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	or three days, from 5/6-5/8.

General Information Phone: (505) 629-6116

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

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

CONDITIONS

Action 459800

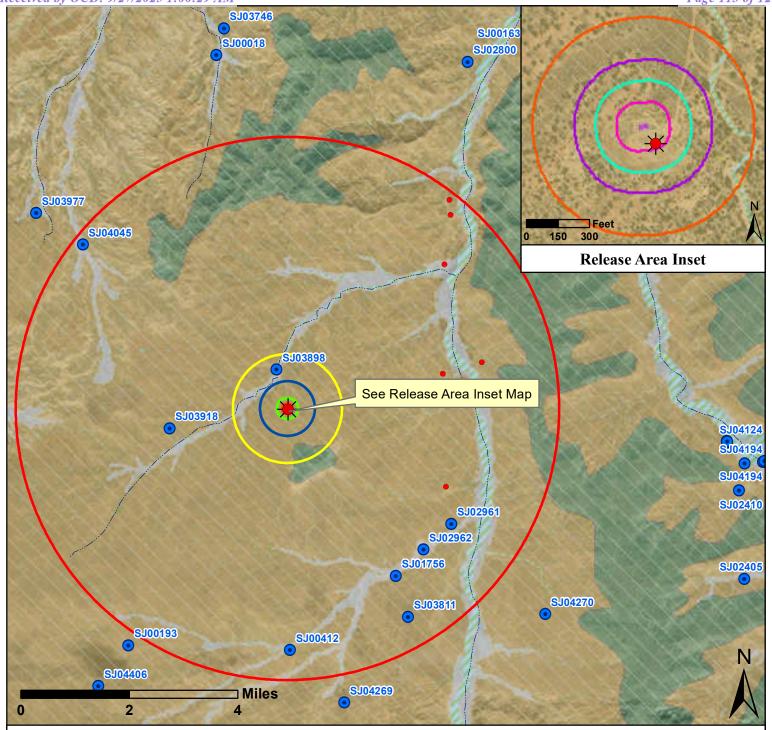
CONDITIONS

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

CONDITIONS

Created By		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.

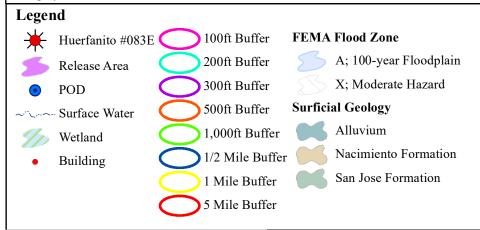


Figure 1 Site Characterization Map Huerfanito #083E Hilcorp Energy Company



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. <u>DRILLING LOG</u>

COMPANY: Conoco Phillips LOCATION: Huerfanito Unit 83E √

STATE: NM BIT SIZE: 6 3/4"

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	1 40 ///	.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	<u> </u>	.9	415		<u></u>
130	Shale/Sandstone	1.1	420		 -
135		1.2	425		
140		1.1	430		
145		1.1	435	N° 53.	
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	Shale	1.8	475		
190	Snate	1.9	480 485		
195		2.0	490		
200		2.2	495		
210		3.2	500		
215	····	3.1	300		 -
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	 		1
265		2.1	ऻ॒ ~		
270	 	2.0	 		
275		2.0	 	·	+
280		2.1	 		1
		1,9	- 		
285			 	· · · · · · · · · · · · · · · · · · ·	+
290		1.5	 		
295		1.2	 		
300 305	Y	 -	·}		
.4015			1 I		1

		Contract Service and the Land Contract Service and	
ANODE #	DEPTH	NO COKE	COKE
1	280	2.1 2.0	4.1
3	270	2.0	4.0
	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			
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		,	

WATER DEPTH:
ISOLATION PLUGS:
LOGING VOLTS: 11.4

VOLT SOURCE: AUTO BATTERY

TOTAL AMPS: 20.4

TOTAL GB RESISTANCE: .55

REMARKS:

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

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

QUESTIONS

Action 509698

QUESTIONS

Operator:	OGRID:
HILCORP ENERGY COMPANY	372171
1111 Travis Street	Action Number:
Houston, TX 77002	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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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.

Santa Fe, NM 87505

QUESTIONS, Page 2

Action 509698

QUESTI	ONS (continued)
Operator:	OGRID:
HILCORP ENERGY COMPANY 1111 Travis Street	372171
Houston, TX 77002	Action Number: 509698
110000011, 17(11002	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.	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 s	afety hazard that would result in injury. T
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.
	ation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative ted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of valuation in the follow-up C-141 submission.
to report and/or file certain release notifications and perform corrective actions for releathe OCD does not relieve the operator of liability should their operations have failed to	knowledge and understand that pursuant to OCD rules and regulations all operators are require ases which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or
	Name: Kyle Siesser
I hereby agree and sign off to the above statement	Title: Principal, Cottonwood Consulting
, , , , , , , , , , , , , , , , , , , ,	Email: ksiesser@cottonwoodconsulting.com Date: 09/26/2025

Phone: (505) 629-6116

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

QUESTIONS, Page 3

Action 509698

QUESTIONS (continued)

Operator:	OGRID:
HILCORP ENERGY COMPANY	372171
1111 Travis Street	Action Number:
Houston, TX 77002	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 approva release discovery date.	l and beyond). This information must be provided to the appropriate district office no later than 90 days after the
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 as	ssociated 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.

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, Page 4

Action 509698

QUESTIONS (continued)

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1111 Travis Street	Action Number:
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	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.

Name: Kyle Siesser Title: Principal, Cottonwood Consulting I hereby agree and sign off to the above statement 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.

General Information Phone: (505) 629-6116

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

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Action 509698

QUESTIONS (continued)

Operator:	OGRID:
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1111 Travis Street	Action Number:
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	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

Phone: (505) 629-6116

Energy, Minerals and Natural Resources

QUESTIONS, Page 6

Action 509698

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us **Oil Conservation Division** 1220 S. St Francis Dr. **Santa Fe, NM 87505**

State of New Mexico

QUESTIONS (continued)

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

CONDITIONS

Action 509698

CONDITIONS

Operator:	OGRID:
HILCORP ENERGY COMPANY	372171
1111 Travis Street	Action Number:
Houston, TX 77002	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