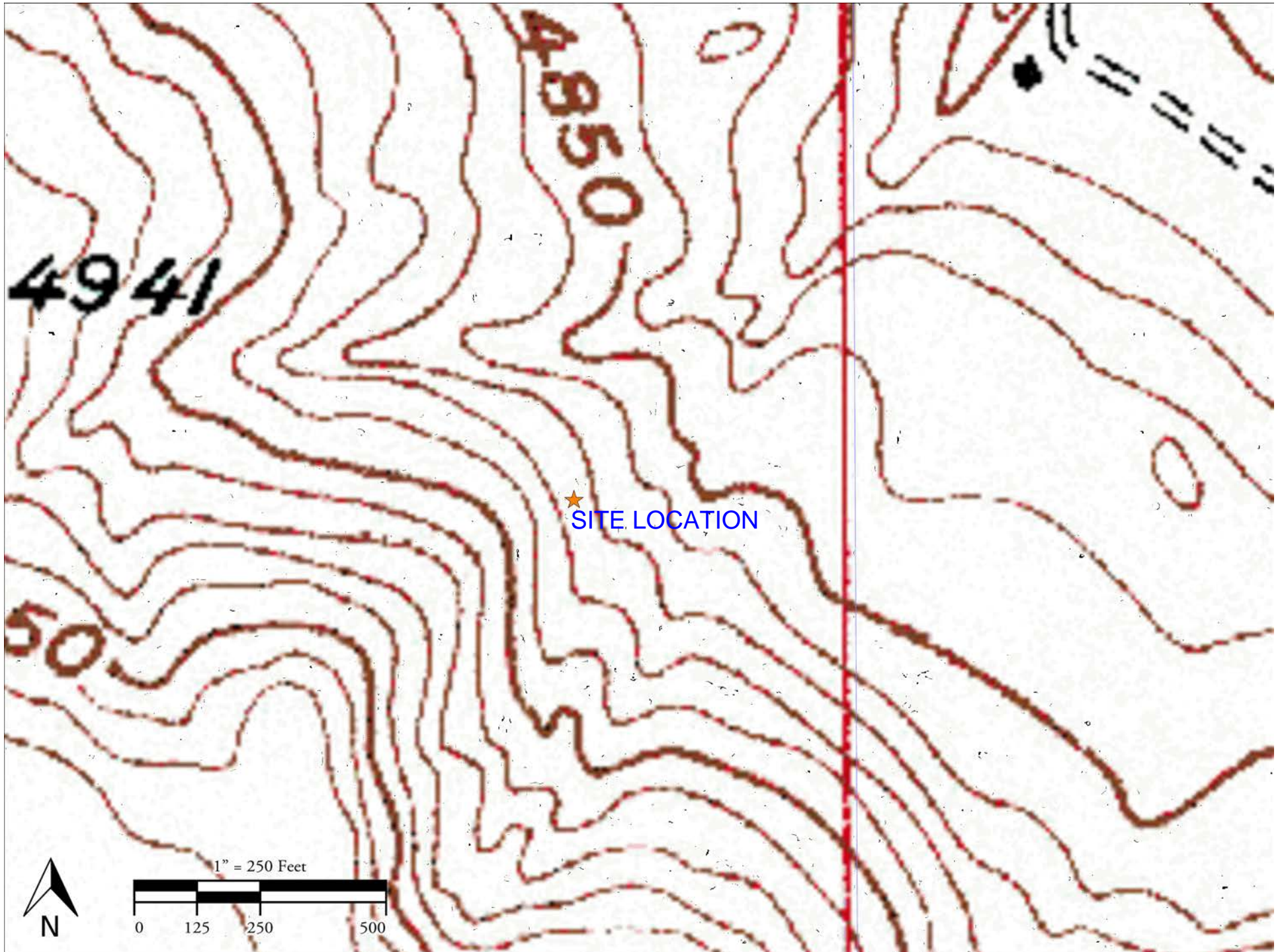




PDC - Rairdance FD Off-Site Tank Pad



Raindance FD Off-Site Tank Pad

SESE Sec. 30, T6N, R67W
40.451465, -104.928371
FAC. # 451100

Legend

-  Release Extent
-  Soil Sample Location

SS-02 2 Ft

SS-01 1.5 Ft / 2.5 Ft

SS-03

SS-04 1 Ft

SS-05 1 Ft

SS-07 2 Ft

SS-06 3 Ft

Hilltop Dr



TABLE 1
FIELD DATA SUMMARY TABLE
PDC 69175
RAINDANCE FD OFF-SITE TANK PAD 20-202HXX, WELD COUNTY, COLORADO
REM # NA

Sample ID	Sample Date	Depth	GPS Data Latitude/Longitude		PDOP Value	VOC Concentration (ppm)
SS-01 1.5Ft	3/22/2024	1.5	40.455640	-104.927758	-	49.8
SS-01 2.5 Ft	3/22/2024	2.5	40.455640	-104.927758	-	19.8
SS-02 2 Ft	3/22/2024	2	40.455717	-104.927817	-	7.5
SS-03 2 Ft	3/22/2024	2	40.455637	-104.927659	-	15.5
SS-04 1 Ft	3/22/2024	1	40.455577	-104.927643	-	8
SS-05 1 Ft	3/22/2024	1	40.455490	-104.927644	-	22.5
SS-06 3 Ft	3/22/2024	3	40.455693	-104.926782	-	4.2
SS-07 2 Ft	3/22/2024	2	40.4557047	-104.92722	-	11.3

1. Global Positioning System (GPS) data is provided in decimal degrees using North American Datum (NAD) 83 UTMZone 13 North.

2. Volatile organic compound (VOC) concentrations are measured in the field using a photoionization detector (PID).

PDOP = Position Dilution of Precision

ppm = Parts per million

in. = Inches

ft. = Feet

bgs = Below ground surface

= Source material characterization sample, excavated and transported off site for disposal.

= Material excavated and transported off site for disposal.

TABLE 2
SUMMARY OF VOLATILE ORGANIC SOIL CHEMISTRY DATA
PDC 69175
RAINDANCE FD OFF-SITE TANK PAD 20-202HNX, WELD COUNTY, COLORADO
REM # NA

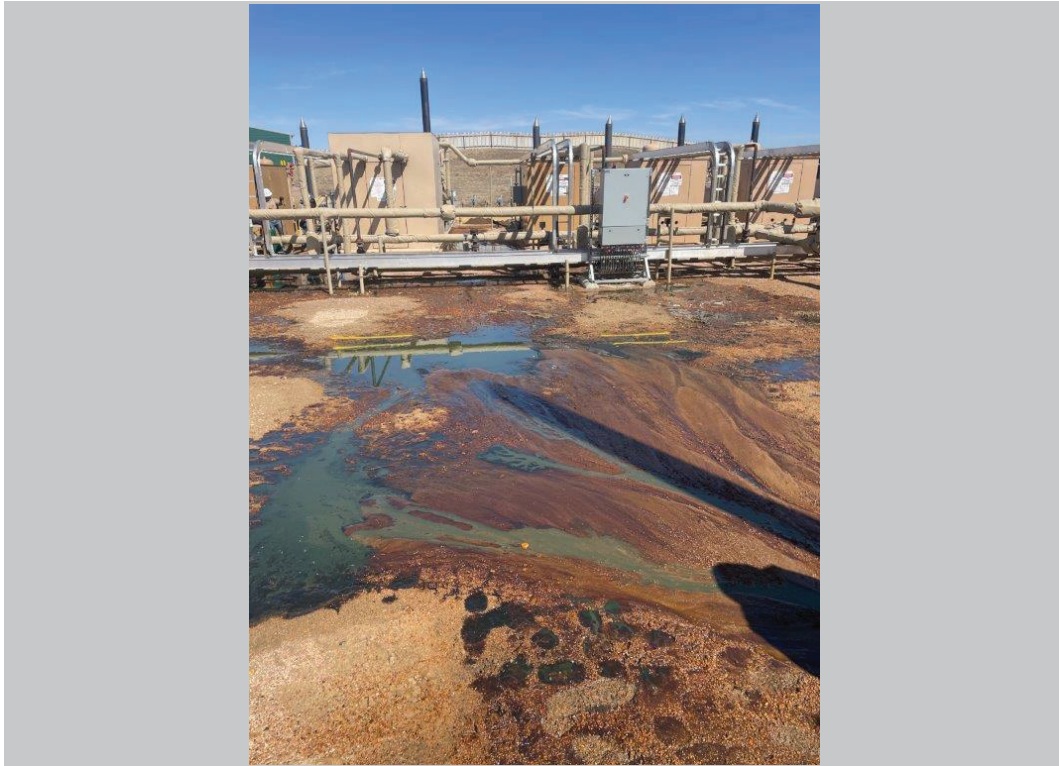
Sample ID	Sample Date	Depth (ft)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-Benzene (mg/kg)	Xylenes (mg/kg)	1,2,4- Trimethyl- Benzene (mg/kg)	1,3,5- Trimethyl- Benzene (mg/kg)	Naphthalene (mg/kg)	TPH (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)
ECMC Table 915-1 Limits (Residential SSL)			1.2	490	5.8	58	30	27	2	500	500**		
ECMC Table 915-1 Limits (Protection of Groundwater SSL)			0.0026	0.69	0.78	9.9	0.0081	0.0087	0.0038	500	500**		
Waste Char.	03/22/2024	Grab	34	160	50	220	69	19	8.4	22038	9000	12000	1300
SS-01 1.5FT	03/22/2024	1.5	0.023	0.046	0.024	0.14	0.11	0.027	0.044	<500	3.3	<50	<50
SS-01 2.5FT	03/22/2024	2.5	<0.0020	0.009	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<500	<0.50	<50	<50
SS-04 1FT	03/22/2024	1	<0.0020	0.008	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<500	<0.50	<50	<50

1. Bold values exceed the ECMC Table 915-1 limit(s)
2. Red & blue highlighted soil analytical values indicate an exceedance of the referenced soil screening level (SSL)
3. * Indicates laboratory minimum detection limit in excess of SSL
4. ** Summation of GRO+DRO+ORO must be less than 500 mg/kg

NA - Not analyzed

= Source material characterization sample, excavated and transported off site for disposal.
 = Material excavated and transported off site for disposal.

Photo Log



Description:

1 - Raindance FD Off-Site Tank Pad horizontal treater fire tube release area source, looking N

Photo Log



Description:

2 - Raindance FD Off-Site Tank Pad horizontal treater fire tube release area source, looking NE

Photo Log



Description:

3 - Raindance FD Off-Site Tank Pad horizontal treater fire tube release area source, looking NW

Photo Log



Description:

4 - Raindance FD Off-Site Tank Pad horizontal treater fire tube NW release area extent undergoing removal of impacted soil and standing oil

Photo Log



Description:

5 - Raindance FD Off-Site Tank Pad horizontal treater fire tube release area, looking E along northern secondary containment wall

Photo Log



Description:

6 - Raindance FD Off-Site Tank Pad horizontal treater fire tube release area undergoing removal of standing oil

Photo Log



Description:

7 - Raindance FD Off-Site Tank Pad horizontal treater fire tube NE release area extent undergoing removal of impacted soil and standing oil

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

March 25, 2024

Paul Henchan
Fremont Environmental
PO Box 1289
Wellington, CO 80549
RE: PDC - Merlin Pad
Work Order #2403354

Enclosed are the results of analyses for samples received by Summit Scientific on 03/22/24 16:45. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read 'P. Shrewsbury', with a stylized, cursive script.

Paul Shrewsbury
President



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: PDC - Merlin Pad

Project Number: [none]
Project Manager: Paul Henchan

Reported:
03/25/24 07:08

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Waste Char.	2403354-01	Soil	03/22/24 00:00	03/22/24 16:45
SS-01 1.5FT	2403354-02	Soil	03/22/24 00:00	03/22/24 16:45
SS-01 2.5FT	2403354-03	Soil	03/22/24 00:00	03/22/24 16:45
SS-04 1FT	2403354-04	Soil	03/22/24 00:00	03/22/24 16:45

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Lab ID	Page	of
2403354		

Send Data To:										Send Invoice To:										
Client: Fremont Environmental, Inc.					Project Manager: Henehan					Company: PDCE										
Address: 8305 6th St.,					E-Mail: Chevron Dist. List; PDC Dist. List Civitas Dist. List					Project Name/Location:										
City/State/Zip: Wellington, CO, 80549					Fremont Dist. List (Fremont/Wellington) pentH, ethanS, high-mans, high-chlor, stand-pa					AFE#:										
Phone: 603-477-6907					Project Name: PDC - Merlin Pad					PO/Billing Codes:										
Sampler Name: Ethan Black					Project Number:					Contact: Jason Davidson										
					Preservative				Matrix			Analysis Requested					Special Instructions			
ID	Sample Description	Date Sampled	Time Sampled	# of containers	HCl	HNO3	None	Other	Water	Soil	Air-Canister #	Other	BTEX, Naphthalene, TMBs	TPH (C6-C36)	PAH	SAR, EC, pH, Boron	Metals (Table 915-1)	TDS, Chloride, Sulfate		
1	Waste Char.	3/22/24		2			X			X			X	X	X	X	X			
2	SS-01 1.5 FT	I		I																
3	SS-01 2.5 FT																			
4	SS-04 1ft	I		I																
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				
13																				
14																				
15																				

Relinquished by:		Date/Time:	Received by:		Date/Time:	TAT Business Days		Field DO		Notes:
Ethan Black		3/22/24 1540	S2 - North Office		3/22/24 1540	Same Day	X	Field EC		
SL		3/22/24 1645	[Signature]		3/22/24 1645	1 Day		Field ORP		
						2 Days		Field pH		
						3 Days		Field Temp.		
Relinquished by:		Date/Time:	Received by:		Date/Time:	Standard		Field Turb.		
Temperature Upon Receipt: 8.4			Corrected Temperature: 8			IR gun #:		HNO3 lot #:		

S₂

Sample Receipt Checklist

S2 Work Order# 240 3354Client: FremontClient Project ID: ROC-Merlin PadShipped Via: H.D./P.U./FedEx/UPS/USPS/Other

Airbill #:

--	--	--	--	--

Matrix (Check all that apply)

Air

☐

Soil/Solid

☐

Water

☐

Other

☐

Temp (°C)

8.4

Thermometer #

1

	Yes	No	N/A	Comments (if any)
If samples require cooling, is the temperature < 6°C? ⁽¹⁾ NOTE: If samples are delivered the same day of sampling, this requirement is met if there is evidence that cooling has begun.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>on ICE</u>
If custody seals are present, are they intact? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are samples due within 48 hours present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>Same day</u>
Are water samples with short hold times present? Note the short hold analysis in the comments column - pH, Nitrate/Nitrite, Ferrous Iron (Fe ²⁺), Hexavalent Chromium (Cr ⁶⁺ , Cr VI), COD/BOD, Total Coliform, E. Coli, Total Residual Chlorine (TRC), Dissolved Oxygen	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is a chain-of-custody (COC) form present and filled out Completely? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>No sample times</u>
Is the COC properly relinquished by the client w/ date and time recorded? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were all samples received intact? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are samples preserved that require preservation (excluding cooling)? ⁽¹⁾ Note the type of preservative in the comments column – HCl, H ₂ SO ₄ , NaOH, HNO ₃ , etc.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If samples are acid preserved for metals, is the pH ≤ 2? ⁽¹⁾ Record the pH in Comments.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If dissolved metals are requested, were samples field filtered?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Additional Comments (if any):				
⁽¹⁾ If NO, then contact the client before proceeding with analysis and note in case narrative.				

Custodian Printed Name

Date/Time

AS

3/22/24



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: PDC - Merlin Pad

Project Number: [none]
Project Manager: Paul Henchan

Reported:
03/25/24 07:08

Waste Char.
2403354-01 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/22/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Benzene	34	0.20	mg/kg	100	BHC0877	03/22/24	03/23/24	EPA 8260B	
Toluene	160	0.50	"	"	"	"	"	"	E
Ethylbenzene	50	0.50	"	"	"	"	"	"	
Xylenes (total)	220	1.0	"	"	"	"	"	"	E
1,2,4-Trimethylbenzene	69	0.50	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	19	0.50	"	"	"	"	"	"	
Naphthalene	8.4	0.38	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	9000	50	"	"	"	"	"	"	E

Date Sampled: **03/22/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Surrogate: 1,2-Dichloroethane-d4	0.0526	131 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0348	87.0 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0527	132 %	50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/22/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
C10-C28 (DRO)	12000	50	mg/kg	1	BHC0878	"	03/22/24	EPA 8015M	
C28-C36 (ORO)	1300	50	"	"	"	"	"	"	

Date Sampled: **03/22/24 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Surrogate: o-Terphenyl	26.6	213 %	30-150		"	"	"	"	S-02

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: PDC - Merlin Pad

Project Number: [none]
Project Manager: Paul Henchan

Reported:
03/25/24 07:08

SS-01 1.5FT
2403354-02 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/22/24 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	0.023	0.0020	mg/kg	1	BHC0877	03/22/24	03/23/24	EPA 8260B	
Toluene	0.046	0.0050	"	"	"	"	"	"	
Ethylbenzene	0.024	0.0050	"	"	"	"	"	"	
Xylenes (total)	0.14	0.010	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	0.11	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	0.027	0.0050	"	"	"	"	"	"	
Naphthalene	0.044	0.0038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	3.3	0.50	"	"	"	"	"	"	

Date Sampled: **03/22/24 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4	0.0377	94.3 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0400	100 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0406	101 %	50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/22/24 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BHC0878	"	03/22/24	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **03/22/24 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl	9.26	74.1 %	30-150		"	"	"	"	

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: PDC - Merlin Pad
Project Number: [none]
Project Manager: Paul Henchan

Reported:
03/25/24 07:08

SS-01 2.5FT
2403354-03 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/22/24 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BHC0877	03/22/24	03/22/24	EPA 8260B	
Toluene	0.0085	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **03/22/24 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4	0.0376	93.9 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0410	102 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0392	98.1 %	50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/22/24 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BHC0878	"	03/23/24	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **03/22/24 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl	7.15	57.2 %	30-150		"	"	"	"	

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: PDC - Merlin Pad

Project Number: [none]
Project Manager: Paul Henchan

Reported:
03/25/24 07:08

SS-04 1FT
2403354-04 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/22/24 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	BHC0877	03/22/24	03/23/24	EPA 8260B	
Toluene	0.0081	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **03/22/24 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4	0.0401	100 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0410	102 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0389	97.2 %	50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/22/24 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	BHC0878	"	03/23/24	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **03/22/24 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl	9.33	74.6 %	30-150		"	"	"	"	

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: PDC - Merlin Pad

Project Number: [none]
Project Manager: Paul Henchan

Reported:
03/25/24 07:08

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

Analyte	Reporting			Spike	Source		%REC		RPD	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch BHC0877 - EPA 5030 Soil MS

Blank (BHC0877-BLK1)

Prepared: 03/22/24 Analyzed: 03/23/24

Benzene	ND	0.0020	mg/kg							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Xylenes (total)	ND	0.010	"							
1,2,4-Trimethylbenzene	ND	0.0050	"							
1,3,5-Trimethylbenzene	ND	0.0050	"							
Naphthalene	ND	0.0038	"							
Gasoline Range Hydrocarbons	ND	0.50	"							
Surrogate: 1,2-Dichloroethane-d4	0.0372		"	0.0400		92.9	50-150			
Surrogate: Toluene-d8	0.0408		"	0.0400		102	50-150			
Surrogate: 4-Bromofluorobenzene	0.0409		"	0.0400		102	50-150			

LCS (BHC0877-BS1)

Prepared: 03/22/24 Analyzed: 03/23/24

Benzene	0.112	0.0020	mg/kg	0.100		112	70-130			
Toluene	0.105	0.0050	"	0.100		105	70-130			
Ethylbenzene	0.0947	0.0050	"	0.100		94.7	70-130			
m,p-Xylene	0.189	0.010	"	0.200		94.6	70-130			
o-Xylene	0.0916	0.0050	"	0.100		91.6	70-130			
1,2,4-Trimethylbenzene	0.0882	0.0050	"	0.100		88.2	70-130			
1,3,5-Trimethylbenzene	0.0871	0.0050	"	0.100		87.1	70-130			
Naphthalene	0.0721	0.0038	"	0.100		72.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0362		"	0.0400		90.4	50-150			
Surrogate: Toluene-d8	0.0410		"	0.0400		102	50-150			
Surrogate: 4-Bromofluorobenzene	0.0390		"	0.0400		97.4	50-150			

Matrix Spike (BHC0877-MS1)

Source: 2403352-01

Prepared: 03/22/24 Analyzed: 03/23/24

Benzene	0.0924	0.0020	mg/kg	0.100	ND	92.4	70-130			
Toluene	0.0850	0.0050	"	0.100	ND	85.0	70-130			
Ethylbenzene	0.0770	0.0050	"	0.100	ND	77.0	70-130			
m,p-Xylene	0.152	0.010	"	0.200	ND	76.1	70-130			
o-Xylene	0.0745	0.0050	"	0.100	ND	74.5	70-130			
1,2,4-Trimethylbenzene	0.0929	0.0050	"	0.100	ND	92.9	70-130			
1,3,5-Trimethylbenzene	0.0968	0.0050	"	0.100	ND	96.8	70-130			
Naphthalene	0.0781	0.0038	"	0.100	ND	78.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0364		"	0.0400		91.1	50-150			
Surrogate: Toluene-d8	0.0404		"	0.0400		101	50-150			
Surrogate: 4-Bromofluorobenzene	0.0400		"	0.0400		99.9	50-150			

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: PDC - Merlin Pad

Project Number: [none]
Project Manager: Paul Henchan

Reported:
03/25/24 07:08

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

Analyte	Reporting			Spike	Source		%REC		RPD	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch BHC0877 - EPA 5030 Soil MS

Matrix Spike Dup (BHC0877-MSD1)	Source: 2403352-01			Prepared: 03/22/24 Analyzed: 03/23/24						
Benzene	0.104	0.0020	mg/kg	0.100	ND	104	70-130	11.5	30	
Toluene	0.0962	0.0050	"	0.100	ND	96.2	70-130	12.3	30	
Ethylbenzene	0.0851	0.0050	"	0.100	ND	85.1	70-130	10.0	30	
m,p-Xylene	0.168	0.010	"	0.200	ND	83.9	70-130	9.84	30	
o-Xylene	0.0803	0.0050	"	0.100	ND	80.3	70-130	7.56	30	
1,2,4-Trimethylbenzene	0.0983	0.0050	"	0.100	ND	98.3	70-130	5.68	30	
1,3,5-Trimethylbenzene	0.101	0.0050	"	0.100	ND	101	70-130	4.58	30	
Naphthalene	0.0832	0.0038	"	0.100	ND	83.2	70-130	6.33	30	
Surrogate: 1,2-Dichloroethane-d4	0.0401		"	0.0400		100	50-150			
Surrogate: Toluene-d8	0.0412		"	0.0400		103	50-150			
Surrogate: 4-Bromofluorobenzene	0.0402		"	0.0400		100	50-150			

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: PDC - Merlin Pad

Project Number: [none]
Project Manager: Paul Henehan

Reported:
03/25/24 07:08

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

Analyte	Reporting			Spike	Source		%REC		RPD	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch BHC0878 - EPA 3550A

Blank (BHC0878-BLK1)

Prepared: 03/22/24 Analyzed: 03/23/24

C10-C28 (DRO)	ND	50	mg/kg							
C28-C36 (ORO)	ND	50	"							
Surrogate: o-Terphenyl	15.4		"	12.5		123	30-150			

LCS (BHC0878-BS1)

Prepared: 03/22/24 Analyzed: 03/23/24

C10-C28 (DRO)	517	50	mg/kg	500		103	70-130			
Surrogate: o-Terphenyl	13.3		"	12.5		106	30-150			

Matrix Spike (BHC0878-MS1)

Source: 2403352-01

Prepared: 03/22/24 Analyzed: 03/23/24

C10-C28 (DRO)	427	50	mg/kg	500	32.0	79.0	70-130			
Surrogate: o-Terphenyl	8.55		"	12.5		68.4	30-150			

Matrix Spike Dup (BHC0878-MSD1)

Source: 2403352-01

Prepared: 03/22/24 Analyzed: 03/23/24

C10-C28 (DRO)	384	50	mg/kg	500	32.0	70.4	70-130	10.5	20	
Surrogate: o-Terphenyl	9.10		"	12.5		72.8	30-150			

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: PDC - Merlin Pad

Project Number: [none]
Project Manager: Paul Henchan

Reported:
03/25/24 07:08

Notes and Definitions

S-02	The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.
E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference