

FREMONT ENVIRONMENTAL INC.

January 18, 2023

Mr. Jacob Evans
Crestone Peak Resources
650 Southgate Drive
Windsor, CO 80550

Subject: **Excavation Report**
 Vogl-Geist-McCoy 5H-F267 Pad
 SENW Sec 5, T2N, R67W
 Weld County, Colorado
 Facility 433787, Spill #483379

Dear Mr. Evans:

As you requested, Fremont Environmental Inc. (Fremont) personnel conducted site sampling after Crestone Peak Resources (Crestone) crews completed excavation work at the Vogl-Geist-McCoy Pad. The intent of the excavation was to remove impacted soil from beneath a separator that had failed at the firetube.

An initial excavation to remove petroleum-impacted soil was completed on January 6, 2023. Analytical results from the sidewalls and floor of the completed excavation indicated compliance with the Protection of Groundwater Soil Screening Levels (GWSSLs) for petroleum constituents. Approximately 76 cubic yards of impacted soil were excavated and transported to the Waste Connections Erie, Colorado Landfill for disposal. Tables 1 and 2 summarize the laboratory data for petroleum constituents.

Since the excavation floor and sidewall sampling and analyses indicate that concentrations are less than the COGCC Table 915-1 standards for petroleum constituents, Crestone should request a no further action (NFA) determination from the COGCC.

Please contact me at (303) 956-8714 if you require any additional information. Fremont appreciates the opportunity to provide this service.

Sincerely,

FREMONT ENVIRONMENTAL INC.



Paul V. Henehan, P.E.
Senior Consultant

Attachments:

Tables 1 and 2
Figures
Photos
Laboratory Reports

**1759 REDWING LANE, BROOMFIELD, CO 80020
(303) 956-8714 (DIRECT)**

TABLE 1
SUMMARY OF VOLATILE ORGANIC SOIL CHEMISTRY DATA
CRESTONE PEAK RESOURCES
VOGL McCOY 5H-F267 BATTERY, WELD COUNTY, COLORADO
FREMONT PROJECT NO. C023-008

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 GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)
COGCC Table 915-1 Limits (Residential SSL)			1.2	490	5.8	58	30	27	2	500		
COGCC Table 915-1 Limits (Protection of Groundwater SSL)			0.0026	0.69	0.78	9.9	0.0081	0.0087	0.0038	500		
N Wall 7 Ft	1/9/2023	7	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<0.50	<50	<50
S Wall 7 Ft	1/9/2023	7	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<0.50	<50	<50
E Wall 7 Ft	1/9/2023	7	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<0.50	<50	<50
W Wall 7 Ft	1/9/2023	7	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<0.50	<50	<50
Floor 8 Ft	1/9/2023	8	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<0.50	<50	<50

Bold faced values exceed the COGCC Table 915-1 concentrations

Red & blue highlighted 915-1 Limits indicate the referenced soil screening level (SSL)

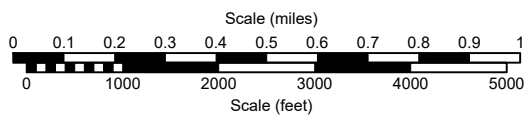
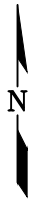
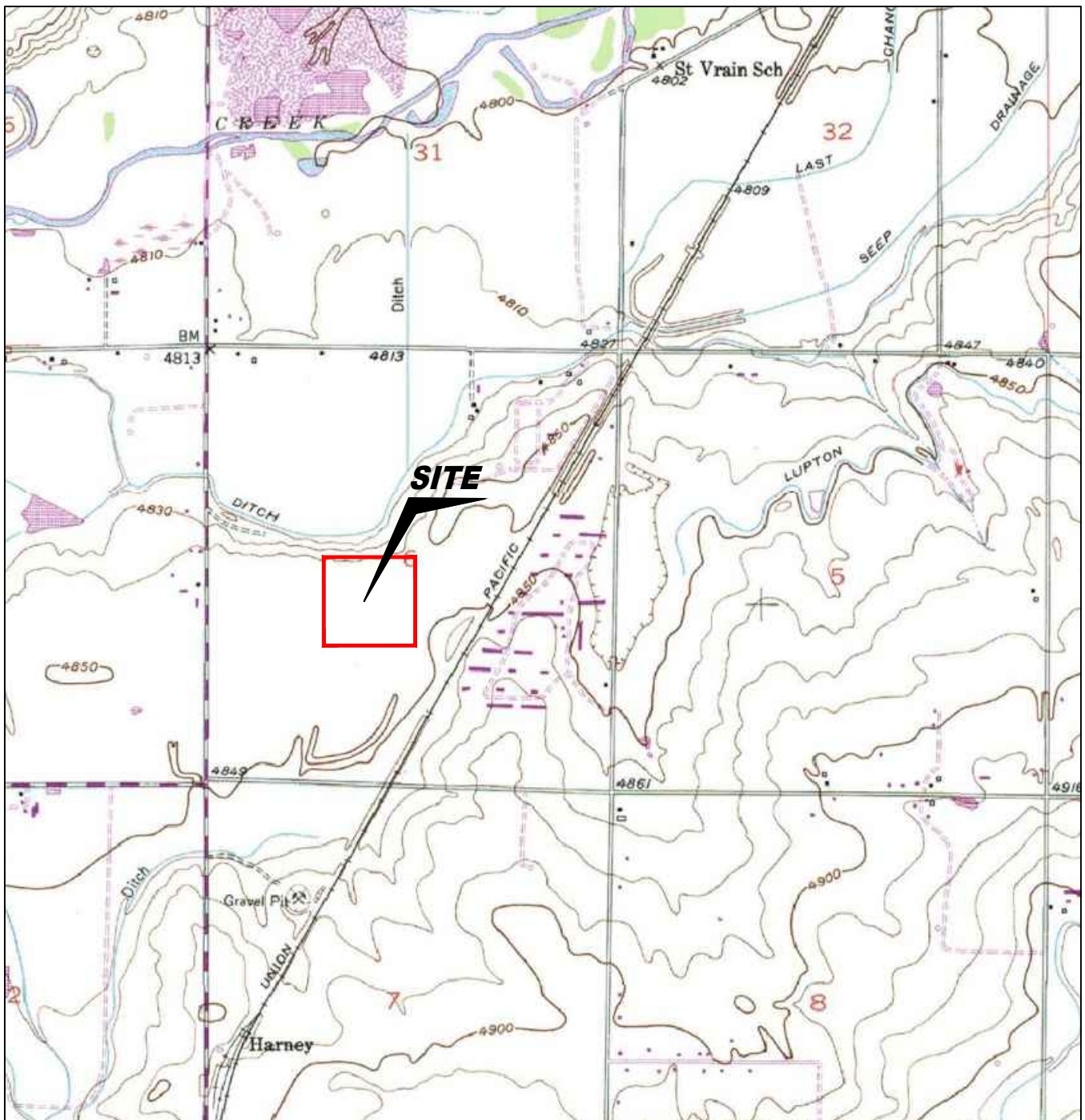
* Summation of GRO+DRO+ORO must be less than 500 mg/kg

TABLE 2
SUMMARY OF POLYCYCLIC AROMATIC HYDROCARBON SOIL CHEMISTRY DATA
CRESTONE PEAK RESOURCES
VOGL McCOY 5H-F267 BATTERY, WELD COUNTY, COLORADO
FREMONT PROJECT NO. C023-008

Sample ID	Sample Date	Depth (ft)	Acenaphthene (mg/kg)	Anthracene (mg/kg)	Benzo (a) Anthracene (mg/kg)	Benzo (a) Pyrene (mg/kg)	Benzo (b) Fluoranthene (mg/kg)	Benzo (k) Fluoranthene (mg/kg)	Chrysene (mg/kg)	Dibenzo (a,h) Anthracene (mg/kg)	Fluoranthene (mg/kg)	Fluorene (mg/kg)	Indeno (1,2,3-cd) Pyrene (mg/kg)	Pyrene (mg/kg)	1-Methyl - Naphthalene (mg/kg)	2-Methyl - Naphthalene (mg/kg)
COGCC Table 915-1 Limits (Residential SSL)			360	1800	1.1	0.11	1.1	11	110	0.11	240	240	1.1	180	18	24
COGCC Table 915-1 Limits (Protection of Groundwater SSL)			0.55	5.8	0.011	0.24	0.3	2.9	9	0.096	8.9	0.54	0.98	1.3	0.006	0.019
N Wall 7 Ft	1/9/2023	7	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
S Wall 7 Ft	1/9/2023	7	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
E Wall 7 Ft	1/9/2023	7	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
W Wall 7 Ft	1/9/2023	7	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
Floor 8 Ft	1/9/2023	8	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500

Bold faced values exceed the COGCC Table 915-1 concentrations

Red & blue highlighted 915-1 Limits indicate the referenced soil screening level (SSL)



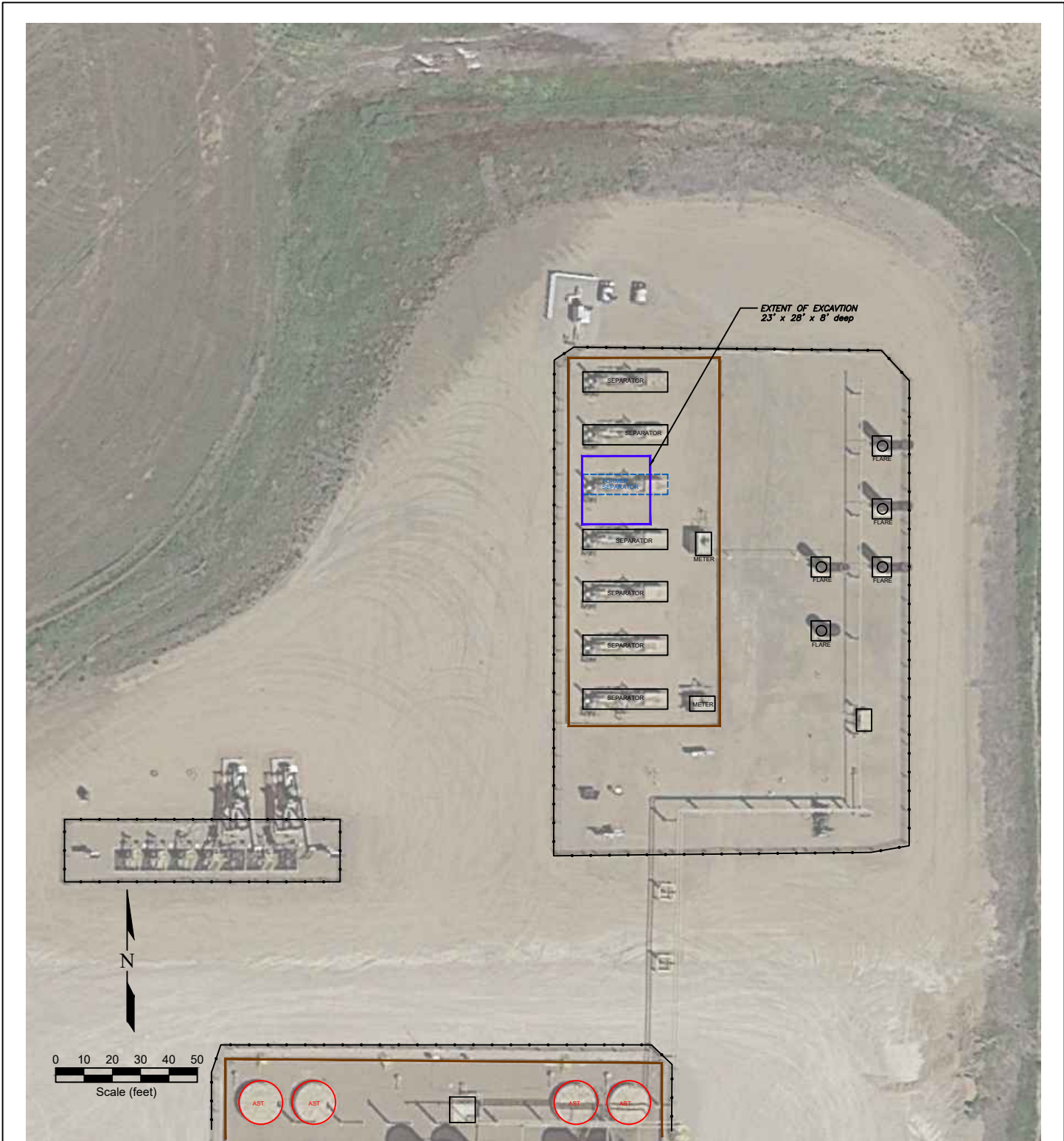
USGS 7.5 MINUTE SERIES (TOPOGRAPHIC)

Figure 1
SITE LOCATION MAP

Crestone Peak Resources ~ Vogl-Geist-McCoy 5H-F267
 SENW Sec. 5, T2N, R67W, 6th PM
 Weld County, Colorado
 40.168487°, -104.914507°

Project # C023-008	Facility # 433787	API #
Date 01/18/23	Remediation #	Filename 23008T





LEGEND

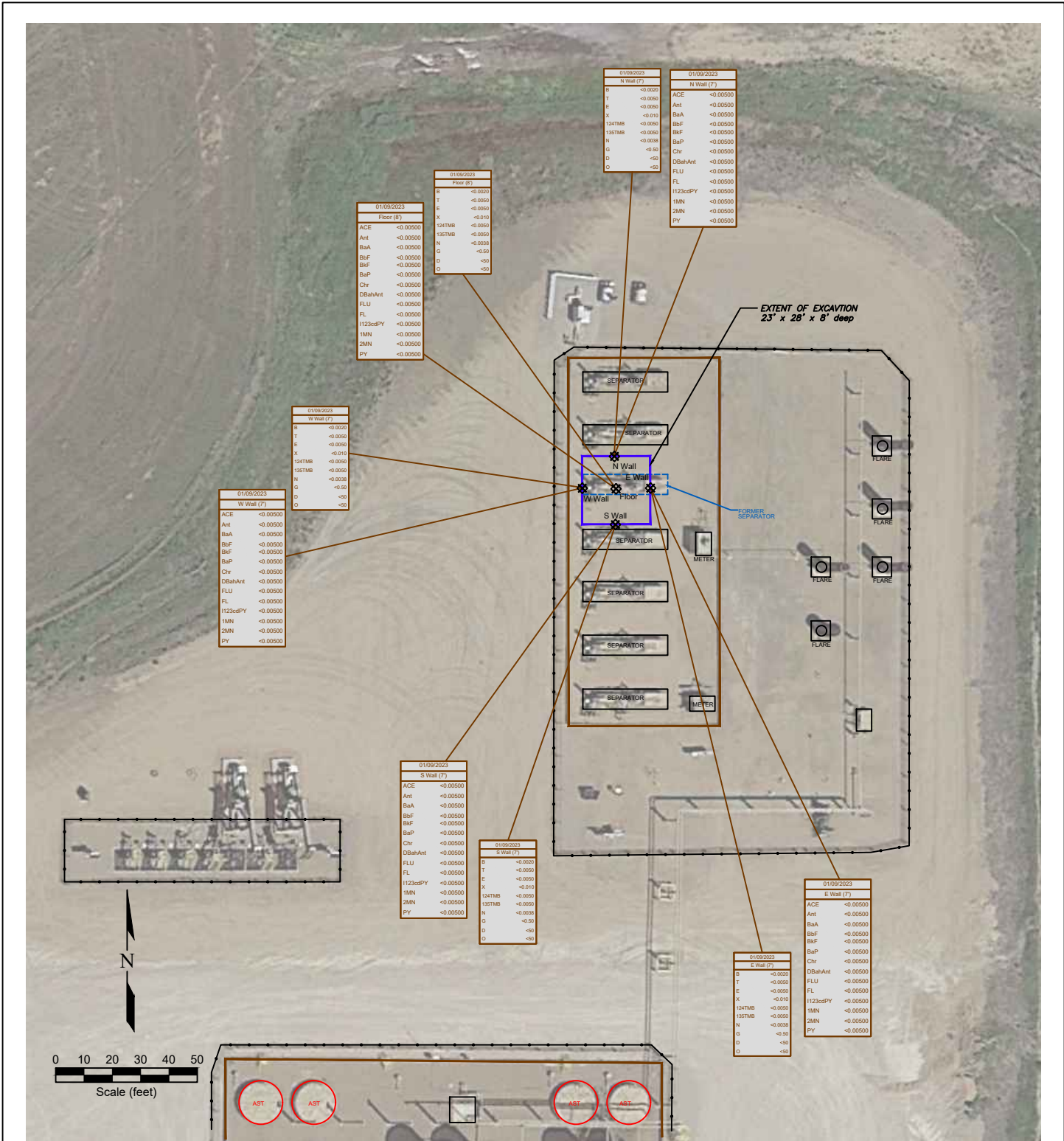
- ABOVE GROUND STORAGE TANK
- FORMER FACILITY
- CONTAINMENT WALL
- FENCE LINE
- EXTENT OF EXCAVATION

**Figure 2
SITE MAP**

Crestone Peak Resources ~ Vogl-Geist-McCoy 5H-F267
 SENW Sec. 5, T2N, R67W, 6th PM
 Weld County, Colorado
 40.168487°, -104.914507°

Project No. C023-008	Facility # 433787	API #
Date 01/18/23	Remediation #	Filename 23008Q





LEGEND

- SOIL SAMPLE LOCATION
- ABOVE GROUND STORAGE TANK
- FORMER FACILITY
- CONTAINMENT WALL
- FENCE LINE
- EXTENT OF EXCAVATION

01/09/2023	DATE SAMPLED	01/09/2023	DATE SAMPLED
N Wall (7')	SAMPLE ID and DEPTH (ft)	N Wall (7')	SAMPLE ID and DEPTH (ft)
ACE	ACENAPHTHENE (mg/kg)	B	BENZENE (mg/kg)
Ant	ANTHRACENE (mg/kg)	T	TOLUENE (mg/kg)
BaA	BENZO (A) ANTHRACENE (mg/kg)	E	ETHYLBENZENE (mg/kg)
BaP	BENZO (B) FLUORANTHENE (mg/kg)	X	TOTAL XYLENES (mg/kg)
BaP	BENZO (A) PYRENE (mg/kg)	134TMB	1,2,4-TRIMETHYLBENZENE (mg/kg)
Chr	CHRYSENE (mg/kg)	136TMB	1,3,5-TRIMETHYLBENZENE (mg/kg)
DBahAnt	DIBENZ (A,H) ANTHRACENE (mg/kg)	N	NAPHTHALENE (mg/kg)
FLU	FLUORANTHENE (mg/kg)	G	TPH-GRO (mg/kg)
FL	FLUORANTHENE (mg/kg)	D	TPH-DRO (mg/kg)
1123cdPY	INDENO (1,2,3-CD) PYRENE (mg/kg)	O	TPH-GRO (mg/kg)
1MN	1-METHYLNAPHTHALENE (mg/kg)		
2MN	2-METHYLNAPHTHALENE (mg/kg)		
PY	PYRENE (mg/kg)		

Figure 3
SOIL CHEMISTRY MAP
January 9, 2023

Crestone Peak Resources ~ Vogl-Geist-McCoy 5H-F267
SENW Sec. 5, T2N, R67W, 6th PM
Weld County, Colorado
40.168487°, -104.914507°

Project No. C023-008	Facility # 433787	API #
Date 01/18/23	Remediation #	Filename 23008Q



Description:

31 - Sign for Vogl-Geist-McCoy Pad



Description:

#2 - Looking East at Location of Former Separator that Failed

Photo Log



Description:

#3 - Looking West at Location of Former Separator

Photo Log



Description:

#4 - Looking Northwest at Excavation Beneath Former Separator

Photo Log



Description:

#5 - Looking West at Excavation

Photo Log



Description:

#6 - Looking Southeast at Excavation

Photo Log



Description:

#7 - Looking East at Excavation

Photo Log



Description:

#8 - Former Separator has been Removed

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

January 11, 2023

Paul Henchan
Fremont Environmental
PO Box 1289
Wellington, CO 80549
RE: Civitas - Vogl Geist
Work Order #2301131

Enclosed are the results of analyses for samples received by Summit Scientific on 01/09/23 16:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Scott Sheely For Paul Shrewsbury
President



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Civitas - Vogl Geist

Project Number: [none]
Project Manager: Paul Henchan

Reported:
01/11/23 14:59

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
N WALL 7FT	2301131-01	Soil	01/09/23 00:00	01/09/23 16:30
S WALL 7FT	2301131-02	Soil	01/09/23 00:00	01/09/23 16:30
E WALL 7FT	2301131-03	Soil	01/09/23 00:00	01/09/23 16:30
W WALL 7FT	2301131-04	Soil	01/09/23 00:00	01/09/23 16:30
FLOOR 8FT	2301131-05	Soil	01/09/23 00:00	01/09/23 16:30

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.

SUMMIT SCIENTIFIC

4653 Table Mountain Drive
 Golden, CO 80403
 303-277-9310

Lab ID	Page 1 of 1
2301131	

Client: <u>FREMONT</u>	Project Manager: <u>HENEHAN</u>	Company: <u>CIVITAS / CRESTONE</u>
Address:	E-Mail:	Project Name/Location: <u>VOGL</u>
City/State/Zip:		AFE#:
Phone:	Project Name: <u>VOGL GEIST</u>	PO/Billing Codes:
Sampler Name: <u>HENEHAN</u>	Project Number:	Contact: <u>JACOB EVANS</u>

ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative				Matrix			Analysis Requested			Special Instructions	
					HCl	HNO3	None	Other	Water	Soil	Air-Canister #	Other	VOC-915	PAH-915		Cr-C94-915
1	N. WALL 7 FT	1/9/23		2			✓			✓			✓	✓	✓	
2	S. WALL 7 FT															
3	E. WALL 7 FT															
4	W. WALL 7 FT															
5	FLOOR 8 FT															
6																
7																
8																
9																
10																
11																
12																
13																
14																
15																

Relinquished by: <u>[Signature]</u>	Date/Time: <u>1/9/23 1630</u>	Received by: <u>[Signature]</u>	Date/Time: <u>1/23 1630</u>	TAT Business Days	Field DO	Notes:
Relinquished by:	Date/Time:	Received by:	Date/Time:	Same Day	Field EC	
				1 Day <input checked="" type="checkbox"/>	Field ORP	
				2 Days	Field pH	
				3 Days	Field Temp.	
Temperature Upon Receipt: <u>C28</u>	Corrected Temperature: <u>0</u>	IR gun #: <u>1</u>	HNO3 lot #:			

S₂

Sample Receipt Checklist

S2 Work Order# 2301131

Client: Fremont Client Project ID: VOGL GEIST

Shipped Via: H.D./P.U./FedEx/UPS/USPS/Other Airbill #: _____

Matrix (Check all that apply) Air Soil/Solid Water Other

Temp (°C) Thermometer #

	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"/>	on ICE
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"/>	1 Day
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 type="checkbox"/>	<input checked="" 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"/>	
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.

AT
Custodian Printed Name

1-9-23
Date/Time



Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Civitas - Vogl Geist

Project Number: [none]
Project Manager: Paul Henchan

Reported:
01/11/23 14:59

N WALL 7FT
2301131-01 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **01/09/23 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	0.0020		mg/kg	1	BGA0168	01/09/23	01/10/23	EPA 8260B	
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		"	"	"	"	"	"	

Date Sampled: **01/09/23 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	0.0472	118 %		50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0464	116 %		50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0487	122 %		50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **01/09/23 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
C10-C28 (DRO)	ND	50		mg/kg	1	BGA0169	01/09/23	01/10/23	EPA 8015M	
C28-C36 (ORO)	ND	50		"	"	"	"	"	"	

Date Sampled: **01/09/23 00:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: o-Terphenyl	15.6	125 %		30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Civitas - Vogl Geist

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 01/11/23 14:59

N WALL 7FT
2301131-01 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **01/09/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BGA0172	01/10/23	01/10/23	EPA 8270D SIM	
Anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.00500	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Chrysene	ND	0.00500	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.00500	"	"	"	"	"	"	
Fluoranthene	ND	0.00500	"	"	"	"	"	"	
Fluorene	ND	0.00500	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.00500	"	"	"	"	"	"	
Pyrene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **01/09/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0167	50.1 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0235	70.4 %	40-150		"	"	"	"	

Summit Scientific

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Civitas - Vogl Geist

Project Number: [none]
Project Manager: Paul Henchan

Reported:
01/11/23 14:59

S WALL 7FT
2301131-02 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **01/09/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BGA0168	01/09/23	01/09/23	EPA 8260B	
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	"	"	"	"	"	"	

Date Sampled: **01/09/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	0.0473	118 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0389	97.3 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0400	100 %	50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **01/09/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BGA0169	01/09/23	01/10/23	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **01/09/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl	15.2	122 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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Fremont Environmental
 PO Box 1289
 Wellington CO, 80549

Project: Civitas - Vogl Geist

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 01/11/23 14:59

S WALL 7FT
2301131-02 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **01/09/23 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Acenaphthene	ND	0.00500	mg/kg	1	BGA0172	01/10/23	01/10/23	EPA 8270D SIM	
Anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.00500	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Chrysene	ND	0.00500	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.00500	"	"	"	"	"	"	
Fluoranthene	ND	0.00500	"	"	"	"	"	"	
Fluorene	ND	0.00500	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.00500	"	"	"	"	"	"	
Pyrene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **01/09/23 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Surrogate: 2-Methylnaphthalene-d10	0.0158	47.4 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0237	71.1 %	40-150		"	"	"	"	

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Civitas - Vogl Geist

Project Number: [none]
Project Manager: Paul Henchan

Reported:
01/11/23 14:59

E WALL 7FT
2301131-03 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **01/09/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BGA0168	01/09/23	01/10/23	EPA 8260B	
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	"	"	"	"	"	"	

Date Sampled: **01/09/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	0.0298	74.4 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0387	96.8 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0412	103 %	50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **01/09/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BGA0169	01/09/23	01/10/23	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **01/09/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl	15.5	124 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

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Fremont Environmental
 PO Box 1289
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Project: Civitas - Vogl Geist

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 01/11/23 14:59

E WALL 7FT
2301131-03 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **01/09/23 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Acenaphthene	ND	0.00500	mg/kg	1	BGA0172	01/10/23	01/10/23	EPA 8270D SIM	
Anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.00500	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Chrysene	ND	0.00500	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.00500	"	"	"	"	"	"	
Fluoranthene	ND	0.00500	"	"	"	"	"	"	
Fluorene	ND	0.00500	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.00500	"	"	"	"	"	"	
Pyrene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **01/09/23 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Surrogate: 2-Methylnaphthalene-d10	0.0149	44.6 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0210	62.9 %	40-150		"	"	"	"	

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PO Box 1289
Wellington CO, 80549

Project: Civitas - Vogl Geist

Project Number: [none]
Project Manager: Paul Henchan

Reported:
01/11/23 14:59

W WALL 7FT
2301131-04 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **01/09/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BGA0168	01/09/23	01/10/23	EPA 8260B	
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	"	"	"	"	"	"	

Date Sampled: **01/09/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	0.0341	85.3 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0382	95.5 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0404	101 %	50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **01/09/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BGA0169	01/09/23	01/10/23	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **01/09/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl	17.4	139 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

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Fremont Environmental
 PO Box 1289
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Project: Civitas - Vogl Geist

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 01/11/23 14:59

W WALL 7FT
2301131-04 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **01/09/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BGA0172	01/10/23	01/10/23	EPA 8270D SIM	
Anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.00500	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Chrysene	ND	0.00500	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.00500	"	"	"	"	"	"	
Fluoranthene	ND	0.00500	"	"	"	"	"	"	
Fluorene	ND	0.00500	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.00500	"	"	"	"	"	"	
Pyrene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **01/09/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0153	45.8 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0207	62.1 %	40-150		"	"	"	"	

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Project: Civitas - Vogl Geist

Project Number: [none]
Project Manager: Paul Henchan

Reported:
01/11/23 14:59

FLOOR 8FT
2301131-05 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **01/09/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BGA0168	01/09/23	01/10/23	EPA 8260B	
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	"	"	"	"	"	"	

Date Sampled: **01/09/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	0.0306	76.5 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0396	99.0 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0425	106 %	50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **01/09/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BGA0169	01/09/23	01/10/23	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **01/09/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl	15.4	123 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

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Fremont Environmental
 PO Box 1289
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Project: Civitas - Vogl Geist

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 01/11/23 14:59

FLOOR 8FT
2301131-05 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **01/09/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BGA0172	01/10/23	01/10/23	EPA 8270D SIM	
Anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.00500	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.00500	"	"	"	"	"	"	
Chrysene	ND	0.00500	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.00500	"	"	"	"	"	"	
Fluoranthene	ND	0.00500	"	"	"	"	"	"	
Fluorene	ND	0.00500	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.00500	"	"	"	"	"	"	
Pyrene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **01/09/23 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0181	54.2 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0232	69.7 %	40-150		"	"	"	"	

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Fremont Environmental
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Project: Civitas - Vogl Geist

Project Number: [none]
Project Manager: Paul Henchan

Reported:
01/11/23 14:59

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

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

Batch BGA0168 - EPA 5030 Soil MS

Blank (BGA0168-BLK1)

Prepared: 01/09/23 Analyzed: 01/10/23

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	0.0487		"	0.0400		122	50-150			
Surrogate: Toluene-d8	0.0469		"	0.0400		117	50-150			
Surrogate: 4-Bromofluorobenzene	0.0498		"	0.0400		125	50-150			

LCS (BGA0168-BS1)

Prepared: 01/09/23 Analyzed: 01/10/23

Benzene	0.144	0.0020	mg/kg	0.150		95.8	70-130			
Toluene	0.173	0.0050	"	0.150		116	70-130			
Ethylbenzene	0.122	0.0050	"	0.150		81.5	70-130			
m,p-Xylene	0.231	0.010	"	0.300		77.0	70-130			
o-Xylene	0.115	0.0050	"	0.150		76.7	70-130			
1,2,4-Trimethylbenzene	0.131	0.0050	"	0.150		87.1	70-130			
1,3,5-Trimethylbenzene	0.130	0.0050	"	0.150		86.4	70-130			
Naphthalene	0.130	0.0038	"	0.150		86.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0515		"	0.0400		129	50-150			
Surrogate: Toluene-d8	0.0472		"	0.0400		118	50-150			
Surrogate: 4-Bromofluorobenzene	0.0473		"	0.0400		118	50-150			

Matrix Spike (BGA0168-MS1)

Source: 2301131-01

Prepared: 01/09/23 Analyzed: 01/10/23

Benzene	0.147	0.0020	mg/kg	0.150	ND	98.2	70-130			
Toluene	0.184	0.0050	"	0.150	ND	122	70-130			
Ethylbenzene	0.128	0.0050	"	0.150	ND	85.3	70-130			
m,p-Xylene	0.243	0.010	"	0.300	ND	81.0	70-130			
o-Xylene	0.119	0.0050	"	0.150	ND	79.5	70-130			
1,2,4-Trimethylbenzene	0.135	0.0050	"	0.150	ND	90.2	70-130			
1,3,5-Trimethylbenzene	0.136	0.0050	"	0.150	ND	90.6	70-130			
Naphthalene	0.135	0.0038	"	0.150	ND	90.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0460		"	0.0400		115	50-150			
Surrogate: Toluene-d8	0.0471		"	0.0400		118	50-150			
Surrogate: 4-Bromofluorobenzene	0.0492		"	0.0400		123	50-150			

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 PO Box 1289
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Project: Civitas - Vogl Geist

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 01/11/23 14:59

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

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

Batch BGA0168 - EPA 5030 Soil MS

Matrix Spike Dup (BGA0168-MSD1)	Source: 2301131-01			Prepared: 01/09/23 Analyzed: 01/10/23						
Benzene	0.149	0.0020	mg/kg	0.150	ND	99.4	70-130	1.22	30	
Toluene	0.189	0.0050	"	0.150	ND	126	70-130	2.90	30	
Ethylbenzene	0.131	0.0050	"	0.150	ND	87.2	70-130	2.18	30	
m,p-Xylene	0.250	0.010	"	0.300	ND	83.3	70-130	2.87	30	
o-Xylene	0.122	0.0050	"	0.150	ND	81.4	70-130	2.39	30	
1,2,4-Trimethylbenzene	0.142	0.0050	"	0.150	ND	94.6	70-130	4.80	30	
1,3,5-Trimethylbenzene	0.140	0.0050	"	0.150	ND	93.6	70-130	3.34	30	
Naphthalene	0.131	0.0038	"	0.150	ND	87.1	70-130	3.56	30	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0472</i>		<i>"</i>	<i>0.0400</i>		<i>118</i>	<i>50-150</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0478</i>		<i>"</i>	<i>0.0400</i>		<i>119</i>	<i>50-150</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0488</i>		<i>"</i>	<i>0.0400</i>		<i>122</i>	<i>50-150</i>			

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Project: Civitas - Vogl Geist

Project Number: [none]
 Project Manager: Paul Henchan

Reported:
 01/11/23 14:59

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

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

Batch BGA0169 - EPA 3550A

Blank (BGA0169-BLK1)

Prepared: 01/09/23 Analyzed: 01/10/23

C10-C28 (DRO)	ND	50	mg/kg								
C28-C36 (ORO)	ND	50	"								
Surrogate: <i>o</i> -Terphenyl	16.0		"	12.5		128		30-150			

LCS (BGA0169-BS1)

Prepared: 01/09/23 Analyzed: 01/10/23

C10-C28 (DRO)	472	50	mg/kg	500		94.3		70-130			
Surrogate: <i>o</i> -Terphenyl	16.0		"	12.5		128		30-150			

Matrix Spike (BGA0169-MS1)

Source: 2301132-01

Prepared: 01/09/23 Analyzed: 01/10/23

C10-C28 (DRO)	463	50	mg/kg	500	17.9	89.0		70-130			
Surrogate: <i>o</i> -Terphenyl	15.5		"	12.5		124		30-150			

Matrix Spike Dup (BGA0169-MSD1)

Source: 2301132-01

Prepared: 01/09/23 Analyzed: 01/10/23

C10-C28 (DRO)	472	50	mg/kg	500	17.9	90.7		70-130	1.84	20	
Surrogate: <i>o</i> -Terphenyl	15.4		"	12.5		123		30-150			

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PO Box 1289
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Project: Civitas - Vogl Geist

Project Number: [none]
Project Manager: Paul Henchan

Reported:
01/11/23 14:59

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

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

Batch BGA0172 - EPA 5030 Soil MS

Blank (BGA0172-BLK1)

Prepared & Analyzed: 01/10/23

Acenaphthene	ND	0.00500	mg/kg							
Anthracene	ND	0.00500	"							
Benzo (a) anthracene	ND	0.00500	"							
Benzo (a) pyrene	ND	0.00500	"							
Benzo (b) fluoranthene	ND	0.00500	"							
Benzo (k) fluoranthene	ND	0.00500	"							
Chrysene	ND	0.00500	"							
Dibenz (a,h) anthracene	ND	0.00500	"							
Fluoranthene	ND	0.00500	"							
Fluorene	ND	0.00500	"							
Indeno (1,2,3-cd) pyrene	ND	0.00500	"							
Pyrene	ND	0.00500	"							
1-Methylnaphthalene	ND	0.00500	"							
2-Methylnaphthalene	ND	0.00500	"							
<i>Surrogate: 2-Methylnaphthalene-d10</i>	<i>0.0236</i>		<i>"</i>	<i>0.0333</i>		<i>70.7</i>		<i>40-150</i>		
<i>Surrogate: Fluoranthene-d10</i>	<i>0.0306</i>		<i>"</i>	<i>0.0333</i>		<i>91.7</i>		<i>40-150</i>		

LCS (BGA0172-BS1)

Prepared & Analyzed: 01/10/23

Acenaphthene	0.0305	0.00500	mg/kg	0.0333		91.5		31-137		
Anthracene	0.0305	0.00500	"	0.0333		91.6		30-120		
Benzo (a) anthracene	0.0291	0.00500	"	0.0333		87.3		30-120		
Benzo (a) pyrene	0.0293	0.00500	"	0.0333		87.9		30-120		
Benzo (b) fluoranthene	0.0293	0.00500	"	0.0333		87.8		30-120		
Benzo (k) fluoranthene	0.0300	0.00500	"	0.0333		90.1		30-120		
Chrysene	0.0308	0.00500	"	0.0333		92.4		30-120		
Dibenz (a,h) anthracene	0.0277	0.00500	"	0.0333		83.1		30-120		
Fluoranthene	0.0298	0.00500	"	0.0333		89.5		30-120		
Fluorene	0.0302	0.00500	"	0.0333		90.5		30-120		
Indeno (1,2,3-cd) pyrene	0.0306	0.00500	"	0.0333		91.8		30-120		
Pyrene	0.0308	0.00500	"	0.0333		92.3		35-142		
1-Methylnaphthalene	0.0277	0.00500	"	0.0333		83.0		35-142		
2-Methylnaphthalene	0.0251	0.00500	"	0.0333		75.4		35-142		
<i>Surrogate: 2-Methylnaphthalene-d10</i>	<i>0.0228</i>		<i>"</i>	<i>0.0333</i>		<i>68.5</i>		<i>40-150</i>		
<i>Surrogate: Fluoranthene-d10</i>	<i>0.0305</i>		<i>"</i>	<i>0.0333</i>		<i>91.4</i>		<i>40-150</i>		

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Fremont Environmental
PO Box 1289
Wellington CO, 80549

Project: Civitas - Vogl Geist

Project Number: [none]
Project Manager: Paul Henchan

Reported:
01/11/23 14:59

PAH by EPA Method 8270D SIM - Quality Control

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

Batch BGA0172 - EPA 5030 Soil MS

Matrix Spike (BGA0172-MS1)	Source: 2301095-01			Prepared & Analyzed: 01/10/23							
Acenaphthene	0.0224	0.00500	mg/kg	0.0333	ND	67.1	31-137				
Anthracene	0.0218	0.00500	"	0.0333	ND	65.3	30-120				
Benzo (a) anthracene	0.0222	0.00500	"	0.0333	ND	66.6	30-120				
Benzo (a) pyrene	0.0212	0.00500	"	0.0333	ND	63.5	30-120				
Benzo (b) fluoranthene	0.0218	0.00500	"	0.0333	ND	65.3	30-120				
Benzo (k) fluoranthene	0.0222	0.00500	"	0.0333	ND	66.6	30-120				
Chrysene	0.0223	0.00500	"	0.0333	ND	66.9	30-120				
Dibenz (a,h) anthracene	0.0189	0.00500	"	0.0333	ND	56.6	30-120				
Fluoranthene	0.0221	0.00500	"	0.0333	ND	66.4	30-120				
Fluorene	0.0216	0.00500	"	0.0333	ND	64.8	30-120				
Indeno (1,2,3-cd) pyrene	0.0232	0.00500	"	0.0333	ND	69.6	30-120				
Pyrene	0.0221	0.00500	"	0.0333	ND	66.4	35-142				
1-Methylnaphthalene	0.0219	0.00500	"	0.0333	ND	65.6	15-130				
2-Methylnaphthalene	0.0188	0.00500	"	0.0333	ND	56.5	15-130				
<i>Surrogate: 2-Methylnaphthalene-d10</i>	<i>0.0200</i>		<i>"</i>	<i>0.0333</i>		<i>60.0</i>	<i>40-150</i>				
<i>Surrogate: Fluoranthene-d10</i>	<i>0.0231</i>		<i>"</i>	<i>0.0333</i>		<i>69.4</i>	<i>40-150</i>				

Matrix Spike Dup (BGA0172-MSD1)	Source: 2301095-01			Prepared & Analyzed: 01/10/23							
Acenaphthene	0.0234	0.00500	mg/kg	0.0333	ND	70.1	31-137	4.35	30		
Anthracene	0.0234	0.00500	"	0.0333	ND	70.1	30-120	7.12	30		
Benzo (a) anthracene	0.0241	0.00500	"	0.0333	ND	72.2	30-120	8.07	30		
Benzo (a) pyrene	0.0227	0.00500	"	0.0333	ND	68.2	30-120	7.20	30		
Benzo (b) fluoranthene	0.0231	0.00500	"	0.0333	ND	69.4	30-120	6.15	30		
Benzo (k) fluoranthene	0.0235	0.00500	"	0.0333	ND	70.6	30-120	5.93	30		
Chrysene	0.0241	0.00500	"	0.0333	ND	72.4	30-120	7.77	30		
Dibenz (a,h) anthracene	0.0201	0.00500	"	0.0333	ND	60.3	30-120	6.21	30		
Fluoranthene	0.0238	0.00500	"	0.0333	ND	71.4	30-120	7.28	30		
Fluorene	0.0239	0.00500	"	0.0333	ND	71.7	30-120	10.1	30		
Indeno (1,2,3-cd) pyrene	0.0240	0.00500	"	0.0333	ND	71.9	30-120	3.19	30		
Pyrene	0.0246	0.00500	"	0.0333	ND	73.8	35-142	10.5	30		
1-Methylnaphthalene	0.0247	0.00500	"	0.0333	ND	74.0	15-130	12.1	50		
2-Methylnaphthalene	0.0226	0.00500	"	0.0333	ND	67.7	15-130	18.0	50		
<i>Surrogate: 2-Methylnaphthalene-d10</i>	<i>0.0207</i>		<i>"</i>	<i>0.0333</i>		<i>62.0</i>	<i>40-150</i>				
<i>Surrogate: Fluoranthene-d10</i>	<i>0.0247</i>		<i>"</i>	<i>0.0333</i>		<i>74.0</i>	<i>40-150</i>				

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PO Box 1289
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Project: Civitas - Vogl Geist

Project Number: [none]
Project Manager: Paul Henchan

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01/11/23 14:59

Notes and Definitions

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