

Salisbury 1, 13-11, 2-4-11, 14-11

SWSW Sec. 11-T2N-R68W

API #'s: 123-08614 (1), 123-26243 (13-11), 123-31924 (2-4-11),
123-31926 (14-11)

Facility ID: 336366

Remediation Project #: 33025

Wellhead, Facility, and Flowline Decommissioning

February and April 2024

Prepared by Tasman, Inc.



On behalf of Crestone Peak Resources Operating, LLC



FIELD NOTES AND PHOTO LOG

Decommissioning Form

FACILITY DECOMMISSIONING





Tasman Inc.

SITE NAME: Salisbury 1, 13-11, 2-4-11, 14-11								DATE: 2/13/2024	REM. PROJECT #: 33025	WEATHER: 50 F Sunny
SITE DIRECTIONS: E I-25 Frontage Rd and Sable Ave - N 0.2mi, E 0.1mi, N 300' INTO								CLIENT: Crestone Peak Resources Operating, LLC		
LEGALS AND LAT/LONG: 40.149395, -104.976291								TASMAN PERSONNEL: Sean Clarke		
SOIL TYPES: CL - lean clay								SURFACE GRADIENT: East		
SURROUNDING LAND USE: Other								CROP: None		
SOIL SAMPLING								FACILITY INFRASTRUCTURE		
Date/Time	Soil Sample ID	PID (ppm)	Visual	Olfactory	Photo? (Y/N)	USCS	Lab (Y/N)	EQUIPMENT	Quantity	
								Above Ground Storage Tank (AST)	1	
2/13/2024 09:40	2-4-11-WH-B01@6'	0.9	No Staining	No Odor	Y	CL	Y	Produced Water Vessel (PWV)		
2/13/2024 09:45	2-4-11-WH-N01@5'	4.3	No Staining	No Odor	Y	CL	N	Separator (SEP)	3	
2/13/2024 09:50	2-4-11-WH-S01@5'	11.4	No Staining	No Odor	Y	CL	N	Emission Control Device (ECD)	1	
2/13/2024 09:55	2-4-11-WH-E01@5'	1.3	No Staining	No Odor	Y	CL	N	Dump Line (DL)		
2/13/2024 10:00	2-4-11-WH-W01@5'	317	HC Staining	HC Odor	Y	CL	Y	Wellhead (WH)	4	
2/13/2024 10:05	2-4-11-FL-B01@3'	1.4	No Staining	No Odor	Y	CL	Y	Flowline (FL)	4	
2/13/2024 10:10	1-WH-B01@6'	87.6	HC Staining	Slight HC Odor	Y	CL	Y	FL Method of Closure	Removed	
2/13/2024 10:15	1-WH-N01@6'	1217	HC Staining	Strong HC Odor	Y	CL	Y	FL Footage Removed	565	
2/13/2024 10:20	1-WH-E01@5'	4.7	No Staining	No Odor	Y	CL	N	Footaged Abandoned in Place		
2/13/2024 10:25	1-WH-W01@5'	15.0	No Staining	No Odor	Y	CL	N	Other:		
2/13/2024 10:30	1-FL-B01@3'	4.6	HC Staining	Slight HC Odor	Y	CL	Y	Soil Loads Removed		
2/13/2024 10:35	14-11-WH-B01@6'	1.4	No Staining	No Odor	Y	CL	Y	IMPACTED SOIL IDENTIFIED? Yes		
2/13/2024 10:40	14-11-WH-S01@5'	2.7	No Staining	No Odor	Y	CL	N	ESTIMATED VOLUME OF IMPACTS: Excavation Activities Ongoing		
2/13/2024 10:45	14-11-WH-E01@5'	2.4	No Staining	No Odor	Y	CL	N	Date	Number	CY
2/13/2024 10:50	14-11-WH-W01@5'	1.6	No Staining	No Odor	Y	CL	N			
2/13/2024 10:55	14-11-FL-B01@3'	9.0	HC Staining	Slight HC Odor	Y	CL	Y			
2/13/2024 11:00	SP-CS01	15.3	No Staining	Slight HC Odor	N	CL	Y			
2/13/2024 11:05	SP-CS02	15.7	No Staining	Slight HC Odor	N	CL	Y			
2/13/2024 11:10	BG01@5'	2.0	No Staining	No Odor	Y	CL	Y	Total Removed	0	0
2/13/2024 11:15	BG01@6'	1.7	No Staining	No Odor	Y	CL	Y	Disposal Facility:		
2/13/2024 11:20	BG02@5'	1.9	No Staining	No Odor	Y	CL	Y	Groundwater Recovery		
2/13/2024 11:25	BG02@6'	1.2	No Staining	No Odor	Y	CL	Y	DATE GW ENCOUNTERED: 04/04/2024	DEPTH: 6'	
4/4/2024 14:25	13-11-WH-B01@7'	8.5	HC Staining	Slight HC Odor	Y	CL	Y	GROUNDWATER IN CONTACT WITH IMPACTED SOIL?		
4/4/2024 14:27	13-11-WH-N01@6'	44.4	HC Staining	Slight HC Odor	Y	CL	Y			
4/4/2024 14:29	13-11-WH-S01@6'	314.1	HC Staining	Slight HC Odor	Y	CL	Y	LNAPL OR SHEEN OBSERVED ON GW?		
GROUNDWATER SAMPLING								Date	BBLS	
Date/Time	Groundwater Sample ID	Depth Collected	Turbid?	Sheen?	Odor?	Photo?				
4/4/2024 14:15	WH-GW01	6'	Low Turbidity	None	None	Yes				
								Total Removed	0	
								Disposal Facility:		



Photographic Log

<p>Equipment ID: _____ Equipment Type: _____</p>			<p>Equipment ID: _____ Equipment Type: _____</p>		
<p>Material: _____</p>		<p>Volume: _____</p>	<p>Material: _____</p>		<p>Volume: _____</p>
<p>Contents: _____</p>			<p>Contents: _____</p>		
<p>Notes/Conditions: Soil sampling and screening locations.</p>			<p>Notes/Conditions: Soil sampling and screening locations.</p>		

 <p>13 Feb 2024, 11:57:01</p>	 <p>13 Feb 2024, 10:46:19</p>				
<p>Equipment ID:</p>	<p>Equipment Type:</p>	<p>Equipment ID:</p>	<p>Equipment Type:</p>		
<p>Material:</p>	<p>Volume:</p>	<p>Contents:</p>	<p>Material:</p>	<p>Volume:</p>	<p>Contents:</p>
<p>Notes/Conditions: Soil sampling location.</p>			<p>Notes/Conditions: Soil sampling and screening locations.</p>		



Photographic Log


<p>W 270 NW 300 330 N 0 30 NE 60</p> <p>☀ 343°N (T) ● 40°8'57"N, 104°58'34"W ±16ft ▲ 4863ft</p> <p>BG01@5.6' X</p> <p>13 Feb 2024 09:24:37</p>	<p>N 330 0 30 NE 60 E 90 SE 120 150</p> <p>☀ 61°NE (T) ● 40°8'58"N, 104°58'35"W ±16ft ▲ 4864ft</p> <p>BG02@5.6' X</p> <p>13 Feb 2024 09:38:26</p>												
<table border="1"> <tr> <td>Equipment ID:</td> <td>Equipment Type:</td> </tr> <tr> <td>Material:</td> <td>Volume:</td> </tr> <tr> <td colspan="2">Notes/Conditions: Background soil sampling locations.</td> </tr> </table>	Equipment ID:	Equipment Type:	Material:	Volume:	Notes/Conditions: Background soil sampling locations.		<table border="1"> <tr> <td>Equipment ID:</td> <td>Equipment Type:</td> </tr> <tr> <td>Material:</td> <td>Volume:</td> </tr> <tr> <td colspan="2">Notes/Conditions: Background soil sampling locations.</td> </tr> </table>	Equipment ID:	Equipment Type:	Material:	Volume:	Notes/Conditions: Background soil sampling locations.	
Equipment ID:	Equipment Type:												
Material:	Volume:												
Notes/Conditions: Background soil sampling locations.													
Equipment ID:	Equipment Type:												
Material:	Volume:												
Notes/Conditions: Background soil sampling locations.													



Photographic Log

<p>☉ 58°NE (T) ● 40°8'57"N, 104°58'34"W ±16ft ▲ 4866ft</p>			<p>☉ 273°W (T) ● 40°8'58"N, 104°58'34"W ±16ft ▲ 4865ft</p>		
<p>04 Apr 2024 16:04:19</p>			<p>04 Apr 2024 16:04:36</p>		
Equipment ID:		Equipment Type:	Equipment ID:		Equipment Type:
Material:	Volume:	Contents:	Material:	Volume:	Contents:
Notes/Conditions: Soil sampling locations, facing NE			Notes/Conditions: Soil sampling locations, facing W		

Photographic Log





							
Equipment ID:		Equipment Type:		Equipment ID:		Equipment Type:	
Material:	Volume:	Contents:		Material:	Volume:	Contents:	
Notes/Conditions: Soil sampling locations, facing NE				Notes/Conditions: Soil sampling locations, facing NE			



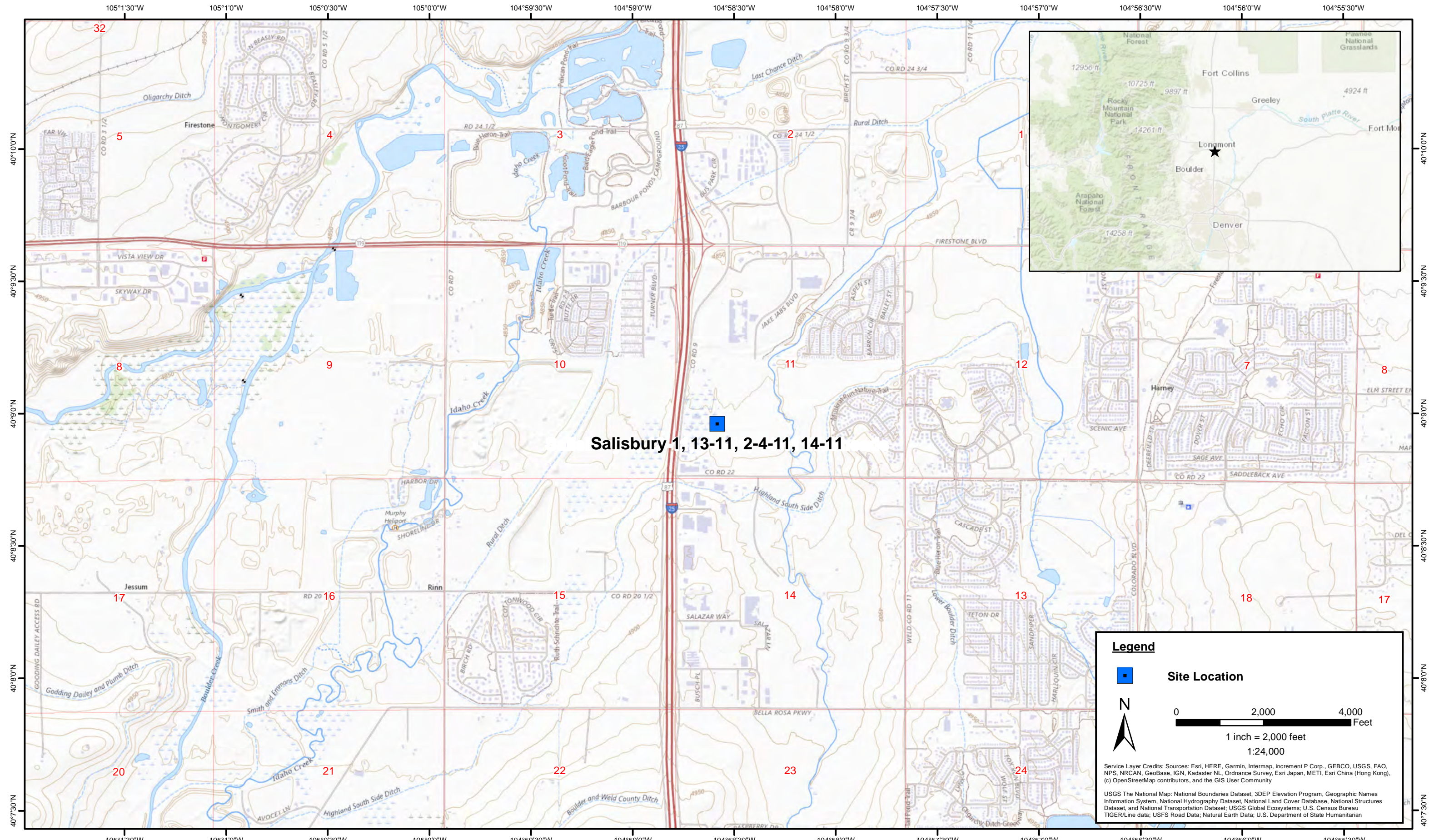
Photographic Log

<p>☀ 38°NE (T) ● 40°8'57"N, 104°58'36"W ±16ft ▲ 4861ft</p>			<p>☀ 18°N (T) ● 40°8'57"N, 104°58'35"W ±16ft ▲ 4861ft</p>				
Equipment ID:		Equipment Type:		Equipment ID:		Equipment Type:	
Material:	Volume:	Contents:		Material:	Volume:	Contents:	
Notes/Conditions: Soil sampling location, facing NE				Notes/Conditions: Soil sampling location, facing N			

Photographic Log

					
<p>☉ 15°N (T) ● 40°8'57"N, 104°58'35"W ±16ft ▲ 4860ft</p>			<p>☉ 27°NE (T) ● 40°8'57"N, 104°58'37"W ±16ft ▲ 4859ft</p>		
 <p>MN-B01@3 X</p> <p>04 Apr 2024, 16:19:51</p>			 <p>AST-B01@3 X</p> <p>04 Apr 2024, 16:31:52</p>		
Equipment ID:		Equipment Type:	Equipment ID:		Equipment Type:
Material:	Volume:	Contents:	Material:	Volume:	Contents:
Notes/Conditions: Soil sampling location, facing N			Notes/Conditions: Soil sampling location, facing NE		

FIGURES



DATE: February 2024

DESIGNED BY: S. Vogt

DRAWN BY: L. Reed

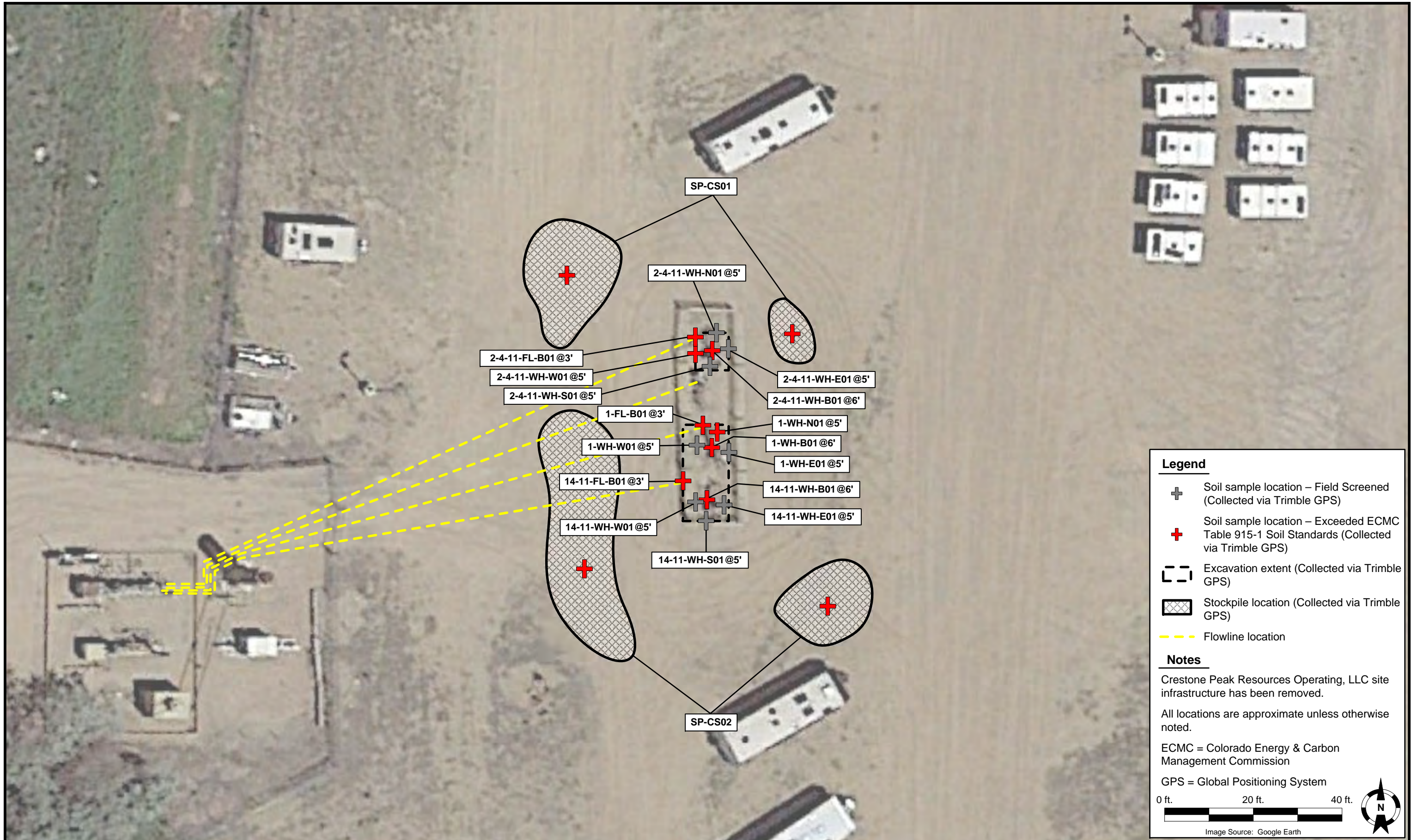


Tasman, Inc.
6855 W. 119th Ave
Broomfield, CO 80020

Crestone Peak Resources Operation, LLC
Salisbury 1, 13-11, 2-4-11, 14-11
SWSW Sec. 11-T2N-R68W
Weld County, Colorado

Site Location Map

Figure
1



Legend

- + Soil sample location – Field Screened (Collected via Trimble GPS)
- + Soil sample location – Exceeded ECMC Table 915-1 Soil Standards (Collected via Trimble GPS)
- Excavation extent (Collected via Trimble GPS)
- Stockpile location (Collected via Trimble GPS)
- Flowline location

Notes

Crestone Peak Resources Operating, LLC site infrastructure has been removed.

All locations are approximate unless otherwise noted.

ECMC = Colorado Energy & Carbon Management Commission

GPS = Global Positioning System

0 ft. 20 ft. 40 ft.

Image Source: Google Earth

DATE: August 21, 2024

DESIGNED BY: S. Vogt

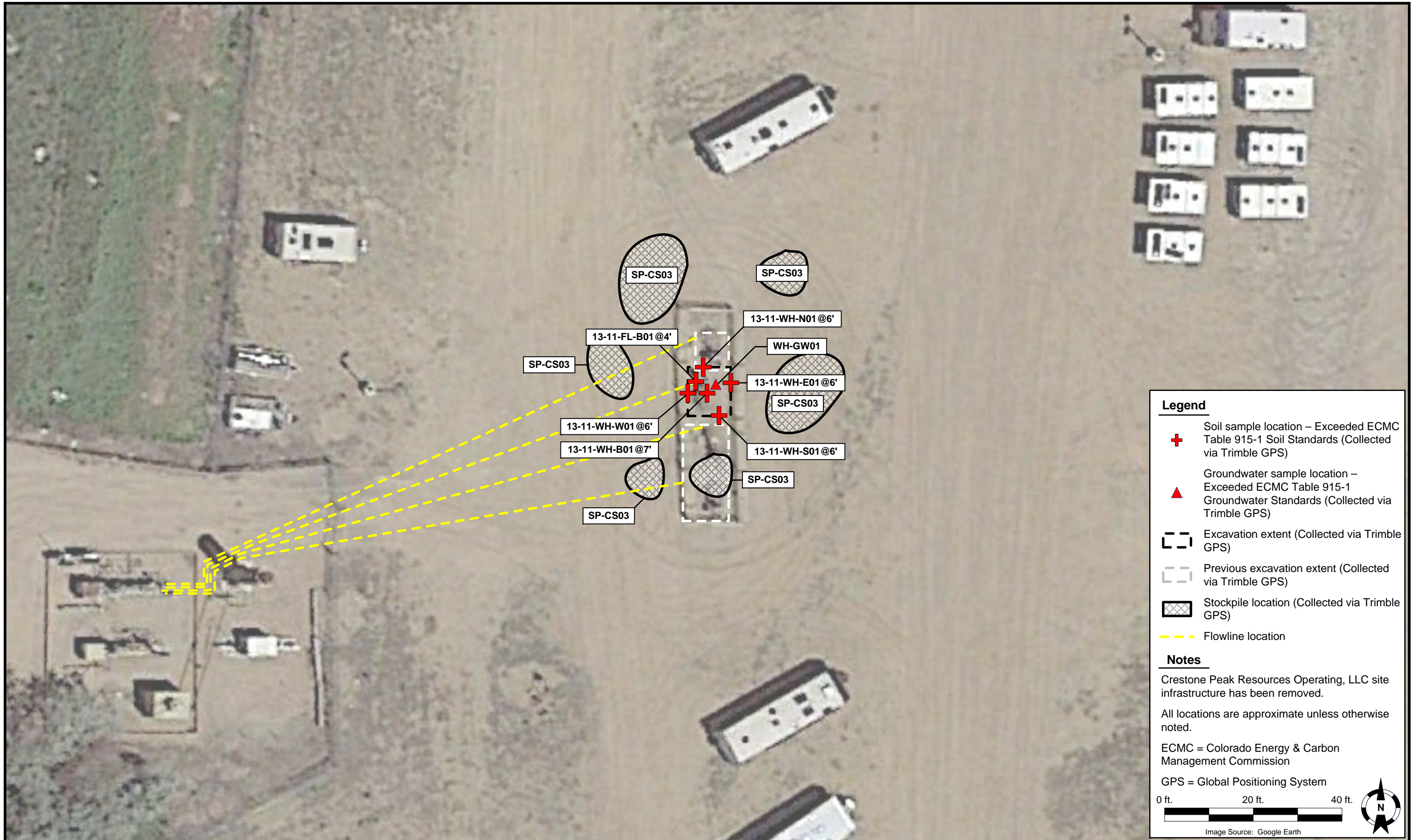
DRAWN BY: L. Molson

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 Salisbury 1, 13-11, 2-4-11, 14-11
 SWSW Sec. 11-T2N-R68W
 Weld County, Colorado

Wellhead Soil Sample
 Location Map
 (02/13/2024)

Figure
 2A



Legend

- + Soil sample location – Exceeded ECMC Table 915-1 Soil Standards (Collected via Trimble GPS)
- ▲ Groundwater sample location – Exceeded ECMC Table 915-1 Groundwater Standards (Collected via Trimble GPS)
- Excavation extent (Collected via Trimble GPS)
- Previous excavation extent (Collected via Trimble GPS)
- Stockpile location (Collected via Trimble GPS)
- Flowline location

Notes

Crestone Peak Resources Operating, LLC site infrastructure has been removed.

All locations are approximate unless otherwise noted.

ECMC = Colorado Energy & Carbon Management Commission

GPS = Global Positioning System

0 ft. 20 ft. 40 ft.

Image Source: Google Earth

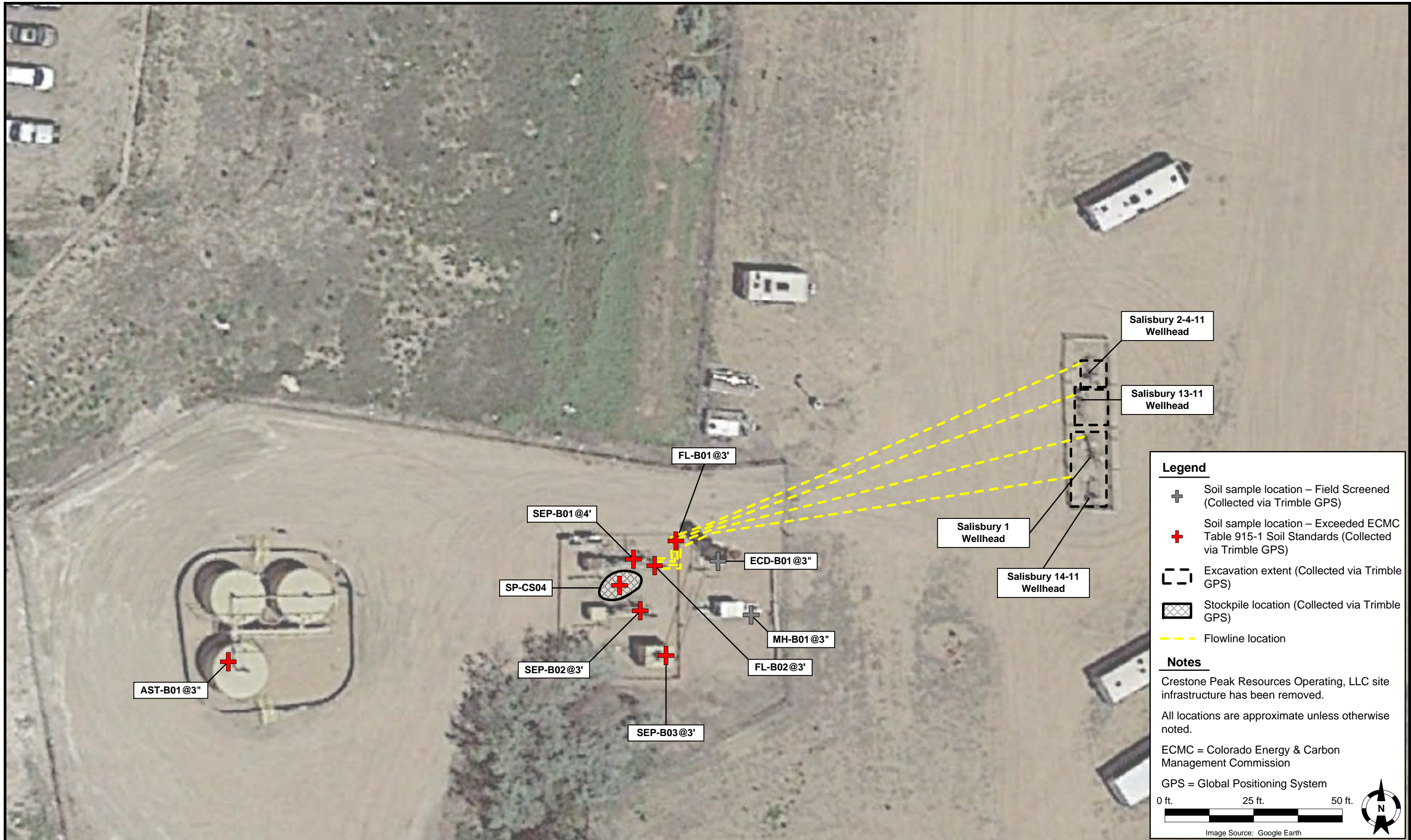
DATE:	August 21, 2024
DESIGNED BY:	S. Vogt
DRAWN BY:	L. Molson

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 SWSW Sec. 11-T2N-R68W
 Weld County, Colorado

Wellhead Soil Sample
 Location Map
 (04/04/2024)

Figure
 2B



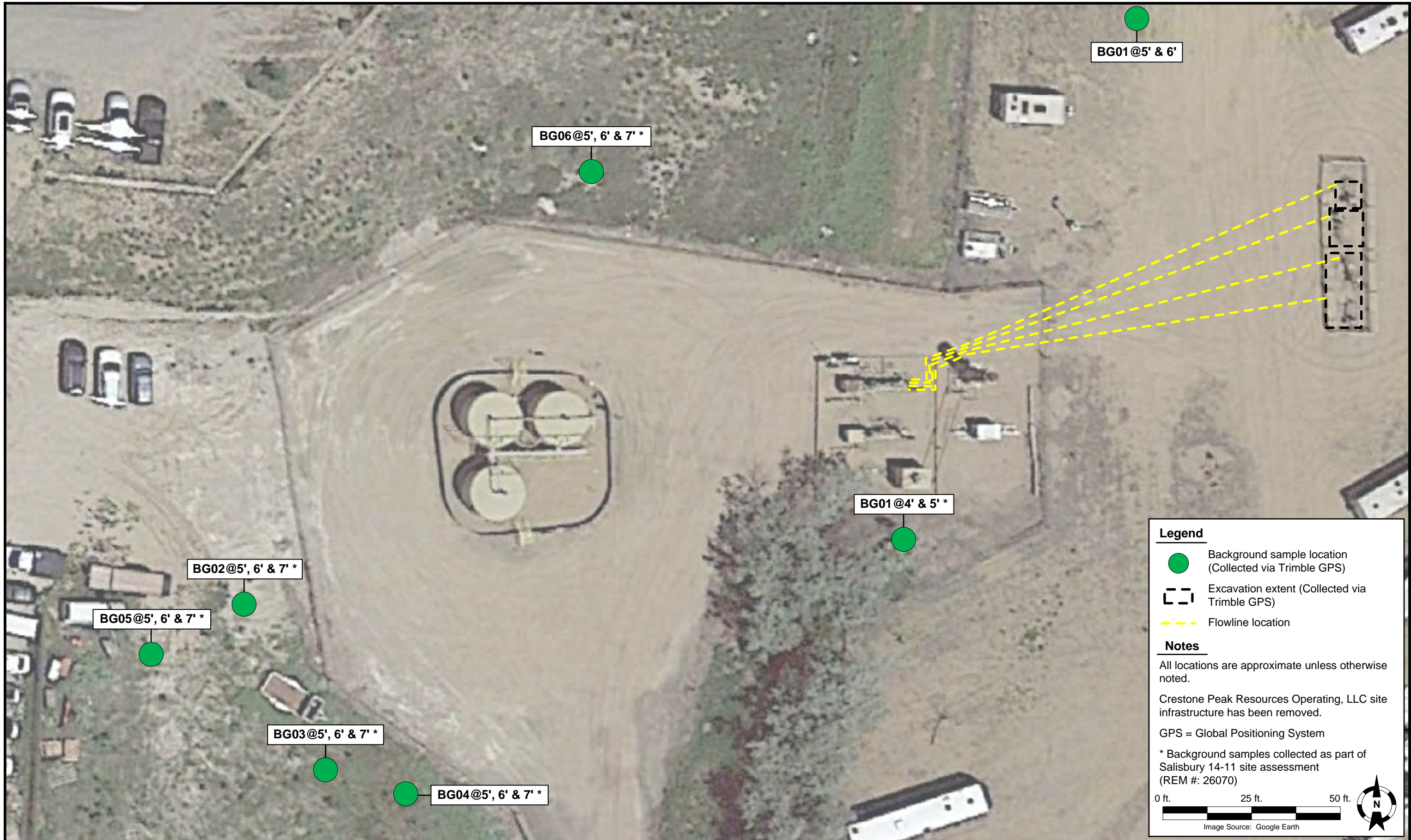
DATE:	August 21, 2024
DESIGNED BY:	S. Vogt
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Crestone Peak Resources Operating, LLC
Salisbury 1, 13-11, 2-4-11, 14-11
 SWSW Sec. 11-T2N-R68W
 Weld County, Colorado

Facility and Flowline Soil
 Sample Location Map
 (04/04/2024)

Figure
 3



Legend

- Background sample location (Collected via Trimble GPS)
- Excavation extent (Collected via Trimble GPS)
- Flowline location

Notes

All locations are approximate unless otherwise noted.

Crestone Peak Resources Operating, LLC site infrastructure has been removed.

GPS = Global Positioning System

* Background samples collected as part of Salisbury 14-11 site assessment (REM #: 26070)

0 ft. 25 ft. 50 ft.

Image Source: Google Earth

DATE:	August 26, 2024
DESIGNED BY:	S. Vogt
DRAWN BY:	L. Molson

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Crestone Peak Resources Operating, LLC
 Salisbury 1, 13-11, 2-4-11, 14-11
 SWSW Sec. 11-T2N-R68W
 Weld County, Colorado

Background Sample
 Location Map
 (03/14/2023 – 02/13/2024)

Figure
 4

TABLES

TABLE 1
SALISBURY 1, 13-11, 2-4-11, 14-11
SAMPLE LOCATIONS
CRESTONE PEAK RESOURCES OPERATING, LLC



Sample Location	Depth	Date	PID Reading (ppm)	Latitude	Longitude	GPS PDOP Value	Lab (Y/N)
2-4-11-WH-B01@6'	6'	02/13/2024	0.9	40.149427	-104.976281	0.9	Y
2-4-11-WH-N01@5'	5'	02/13/2024	4.3	40.149437	-104.976279	0.9	N
2-4-11-WH-S01@5'	5'	02/13/2024	11.4	40.149418	-104.976283	0.9	N
2-4-11-WH-E01@5'	5'	02/13/2024	1.3	40.149428	-104.976270	0.9	N
2-4-11-WH-W01@5'	5'	02/13/2024	317.0	40.149425	-104.976293	0.9	Y
2-4-11-FL-B01@3'	3'	02/13/2024	1.4	40.149439	-104.976307	-	Y
1-WH-B01@6'	6'	02/13/2024	87.6	40.149367	-104.976282	0.9	Y
1-WH-N01@6'	6'	02/13/2024	1,217	40.149382	-104.976293	0.9	Y
1-WH-E01@5'	5'	02/13/2024	4.7	40.149364	-104.976271	1.1	N
1-WH-W01@5'	5'	02/13/2024	15.0	40.149369	-104.976295	1	N
1-FL-B01@3'	3'	02/13/2024	4.6	40.149381	-104.976291	1	Y
14-11-WH-B01@6'	6'	02/13/2024	1.4	40.149335	-104.976288	1	Y
14-11-WH-S01@5'	5'	02/13/2024	2.7	40.149324	-104.976288	1	N
14-11-WH-E01@5'	5'	02/13/2024	2.4	40.149332	-104.976274	1	N
14-11-WH-W01@5'	5'	02/13/2024	1.6	40.149335	-104.976296	1	N
14-11-FL-B01@3'	5'	02/13/2024	9.0	40.149347	-104.976307	1	Y
SP-CS01	-	02/13/2024	15.3	40.149434	-104.976351	-	Y
SP-CS02	-	02/13/2024	15.7	40.149354	-104.976359	-	Y
13-11-WH-B01@7'	7'	04/04/2024	8.5	40.149406	-104.976284	-	Y
13-11-WH-N01@6'	6'	04/04/2024	44.4	40.149432	-104.976292	1	Y
13-11-WH-S01@6'	6'	04/04/2024	314.1	40.149394	-104.976277	-	Y
13-11-WH-E01@6'	6'	04/04/2024	161.7	40.149411	-104.976269	-	Y
13-11-WH-W01@6'	6'	04/04/2024	1,407	40.149407	-104.976303	0.8	Y
SP-CS03	-	04/04/2024	192.4	40.149467	-104.976341	-	Y
13-11-FL-B01@4'	4'	04/04/2024	8.3	40.149433	-104.976313	1.1	Y
SEP-B01@4'	4'	04/04/2024	2.2	40.149299	-104.976736	0.9	Y
SEP-B02@3'	3'	04/04/2024	2.5	40.149264	-104.976739	0.8	Y
SEP-B03@3"	3"	04/04/2024	2.7	40.149226	-104.976711	0.8	Y
SP-CS04	-	04/04/2024	44.8	40.149274	-104.976773	-	Y
FL-B01@3'	3'	04/04/2024	147.2	40.149305	-104.976716	0.8	Y
FL-B02@3'	3'	04/04/2024	2.6	40.149272	-104.976730	0.8	Y
ECD-B01@3"	3"	04/04/2024	5.1	40.149284	-104.976632	0.8	N
MH-B01@3"	3"	04/04/2024	8.6	40.149235	-104.976637	0.8	N
AST-B01@3"	3"	04/04/2024	7.2	40.149205	-104.977155	0.8	Y
WH-GW01	6'	04/04/2024	-	40.149407	-104.976284	-	Y

TABLE 1
SALISBURY 1, 13-11, 2-4-11, 14-11
SAMPLE LOCATIONS
CRESTONE PEAK RESOURCES OPERATING, LLC



Sample Location	Depth	Date	PID Reading (ppm)	Latitude	Longitude	GPS PDOP Value	Lab (Y/N)
BACKGROUND							
BG01@4'*	4'	03/14/2023	0.8	40.149170	-104.976742	0.9	Y
BG01@5'*	5'	03/14/2023	0.7	40.149265	-104.977121	-	Y
BG02@5'*	5'	05/23/2023	0.3	40.149121	-104.977410	1.3	Y
BG03@5'*	5'	05/23/2023	0.1	40.149121	-104.977410	1.3	Y
BG04@5'*	5'	05/23/2023	0.6	40.149121	-104.977410	1.3	Y
BG05@5'*	5'	05/24/2023	0.3	40.148994	-104.977328	1.2	Y
BG06@5'*	5'	05/24/2023	0.8	40.148994	-104.977328	1.2	Y
BG02@6'*	6'	05/23/2023	0.3	40.148994	-104.977328	1.2	Y
BG03@6'*	6'	05/23/2023	0.0	40.148973	-104.977246	1.2	Y
BG04@6'*	6'	05/23/2023	0.4	40.148973	-104.977246	1.2	Y
BG05@6'*	6'	05/24/2023	0.6	40.148973	-104.977246	1.2	Y
BG06@6'*	6'	05/24/2023	0.7	40.149079	-104.977502	1.2	Y
BG02@7'*	7'	05/23/2023	0.3	40.149079	-104.977502	1.2	Y
BG03@7'*	7'	05/23/2023	0.3	40.149079	-104.977502	1.2	Y
BG04@7'*	7'	05/23/2023	0.0	40.149457	-104.977058	1.2	Y
BG05@7'*	7'	05/24/2023	0.1	40.149457	-104.977058	1.2	Y
BG06@7'*	7'	05/24/2023	0.3	40.149457	-104.977058	1.2	Y
BG01@5'	5'	02/13/2024	1.9	40.149611	-104.976486	0.8	Y
BG01@6'	6'	02/13/2024	1.2	40.149611	-104.976486	0.8	Y

Notes:

PID = Photoionization Detector

ppm = parts per million

GPS = Global Positioning System

PDOP = Position Dilution of Precision

- = Not Applicable

*Background sample collected as part of Salisbury 14-11 site assessment (REM #: 26070)

TABLE 2
SALISBURY 1, 13-11, 2-4-11, 14-11
SOIL ANALYTICAL DATA - VOCs
CRESTONE PEAK RESOURCES OPERATING, LLC



Soil Sample Location	Depth	Date	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Naphthalene (mg/kg)	TVPH-GRO (mg/kg)	TEPH-DRO (mg/kg)	TEPH-ORO (mg/kg)	1,2,4-TMB (mg/kg)	1,3,5-TMB (mg/kg)
ECMC Organic Compounds in Soils - GSSL ⁽¹⁾			0.0026	0.69	0.78	9.9	0.0038	500			0.0081	0.0087
ECMC Organic Compounds in Soils - RSL ⁽²⁾			1.2	490	5.8	58	2	500			30	27
2-4-11-WH-B01@6'	6'	02/13/2024	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.50	<50	<50	<0.0050	<0.0050
2-4-11-WH-W01@5'	5'	02/13/2024	<0.0020	<0.0050	<0.0050	0.024	<0.0038	3.1	<50	<50	0.0050	0.037
2-4-11-FL-B01@3'	3'	02/13/2024	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.50	<50	<50	<0.0050	<0.0050
1-WH-B01@6'	6'	02/13/2024	<0.0020	<0.0050	<0.0050	0.035	<0.0039	0.87	<50	<50	0.078	0.024
1-WH-N01@6'	6'	02/13/2024	<0.0020	<0.0050	0.075	0.98	0.029	98	88	<50	1.1	0.89
1-FL-B01@3'	3'	02/13/2024	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.50	<50	<50	<0.0050	<0.0050
14-11-WH-B01@6'	6'	02/13/2024	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.50	<50	<50	<0.0050	<0.0050
14-11-FL-B01@3'	3'	02/13/2024	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.50	<50	<50	<0.0050	<0.0050
SP-CS01	-	02/13/2024	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.50	<50	<50	<0.0050	<0.0050
SP-CS02	-	02/13/2024	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.50	<50	<50	<0.0050	<0.0050
13-11-WH-B01@7'	7'	04/04/2024	0.015	<0.0050	0.019	0.11	<0.0038	5.4	<50	<50	0.023	0.038
13-11-WH-N01@6'	6'	04/04/2024	<0.0020	0.016	0.015	0.039	<0.0038	2.0	<50	<50	0.00550	0.0097
13-11-WH-S01@6'	6'	04/04/2024	<0.0020	<0.0050	0.023	<0.010	<0.0038	36	<50	<50	0.094	0.031
13-11-WH-E01@6'	6'	04/04/2024	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	2.1	<50	<50	<0.0050	<0.0050
13-11-WH-W01@6'	6'	04/04/2024	0.54	<0.0050	0.62	8.2	0.046	310	<50	<50	2.8	1.3
SP-CS03	-	04/04/2024	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.50	<50	<50	<0.0050	<0.0050
13-11-FL-B01@4'	4'	04/04/2024	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.50	<50	<50	<0.0050	<0.0050
SEP-B01@4'	4'	04/04/2024	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.50	<50	<50	<0.0050	<0.0050
SEP-B02@3'	3'	04/04/2024	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.50	<50	<50	<0.0050	<0.0050
SEP-B03@3"	3"	04/04/2024	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.50	<50	<50	<0.0050	<0.0050
SP-CS04	-	04/04/2024	<0.0020	<0.0050	<0.0050	0.036	<0.0038	<0.50	<50	<50	0.0170	0.060
FL-B01@3'	3'	04/04/2024	0.018	0.063	0.13	6.6	0.10	910	2,900	560	0.017	7.8
FL-B02@3'	3'	04/04/2024	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.50	<50	<50	<0.0050	<0.0050
AST-B01@3"	3"	04/04/2024	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.50	<50	<50	<0.0050	<0.0050

TABLE 2
SALISBURY 1, 13-11, 2-4-11, 14-11
SOIL ANALYTICAL DATA - VOCs
CRESTONE PEAK RESOURCES OPERATING, LLC

Soil Sample Location	Depth	Date	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Naphthalene (mg/kg)	TVPH-GRO (mg/kg)	TEPH-DRO (mg/kg)	TEPH-ORO (mg/kg)	1,2,4-TMB (mg/kg)	1,3,5-TMB (mg/kg)
ECMC Organic Compounds in Soils - GSSL ⁽¹⁾			0.0026	0.69	0.78	9.9	0.0038	500			0.0081	0.0087
ECMC Organic Compounds in Soils - RSL ⁽²⁾			1.2	490	5.8	58	2	500			30	27

Notes:

VOCs = Volatile Organic Compounds

(1) Standards for soil are taken from ECMC Table 915-1: Organic Compounds in Soils - Protection of Groundwater Soil Screening Level Concentrations (Effective January 15, 2021)

(2) Standards for soil are taken from ECMC Table 915-1: Organic Compounds in Soils - Residential Soil Screening Level Concentrations (Effective January 15, 2021)

ECMC = Colorado Energy & Carbon Management Commission

GSSL = Protection of Groundwater Screening Level

RSL = Residential Soil Screening Level

(<) = Analytical result is less than the indicated laboratory reporting limit

mg/kg = milligrams per kilogram

TVPH - GRO = Total Volatile Petroleum Hydrocarbons - Gasoline Range Organics

TEPH - DRO = Total Extractable Petroleum Hydrocarbons - Diesel Range Organics

TEPH - ORO = Total Extractable Petroleum Hydrocarbons - Oil Range Organics

1,2,4 - TMB = 1,2,4 - Trimethylbenzene

1,3,5 - TMB = 1,3,5 - Trimethylbenzene

BOLD = Analytical result is in exceedance of ECMC Table 915-1: Organic Compounds in Soils - Protection of Groundwater Soil Screening Level Concentrations

BOLD = Analytical result is in exceedance of ECMC Table 915-1: Organic Compounds in Soils - Residential Soil Screening Level Concentrations

TABLE 3
SALISBURY 1, 13-11, 2-4-11, 14-11
SOIL ANALYTICAL DATA - PAHs
CRESTONE PEAK RESOURCES OPERATING, LLC

Soil Sample Location	Depth	Date	Acenaphthene (mg/kg)	Anthracene (mg/kg)	Benzo(a)A (mg/kg)	Benzo(b)F (mg/kg)	Benzo(k)F (mg/kg)	Benzo(a)P (mg/kg)	Chrysene (mg/kg)	D (a,h) A (mg/kg)	Fluoranthene (mg/kg)	Fluorene (mg/kg)	1,2,3-CD (mg/kg)	1-M (mg/kg)	2-M (mg/kg)	Pyrene (mg/kg)
ECMC Organic Compounds in Soils - GSSL ⁽¹⁾			0.55	5.8	0.011	0.3	2.9	0.24	9	0.96	8.9	0.54	0.98	0.006	0.019	1.3
ECMC Organic Compounds in Soils - RSL ⁽²⁾			360	1,800	1.1	1.1	11	0.11	110	0.11	240	240	1.1	18	24	180
2-4-11-WH-B01@6'	6'	02/13/2024	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.0221	<0.00500
2-4-11-WH-W01@5'	5'	02/13/2024	<0.00500	<0.00500	0.00926	0.0137	0.00562	0.0111	0.0109	<0.00500	0.0155	<0.00500	0.0111	0.0249	0.0142	0.0257
2-4-11-FL-B01@3'	3'	02/13/2024	<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
1-WH-B01@6'	6'	02/13/2024	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.0121	<0.00500
1-WH-N01@6'	6'	02/13/2024	<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
1-FL-B01@3'	3'	02/13/2024	<0.00500	<0.00500	<0.00500	0.0542	<0.00500	0.0724	<0.00500	<0.00500	0.0503	<0.00500	0.0923	<0.00500	<0.00500	0.0855
14-11-WH-B01@6'	6'	02/13/2024	<0.00500	<0.00500	<0.00500	0.0112	0.00530	0.0103	0.00515	0.00915	<0.00500	<0.00500	0.0111	<0.00500	<0.00500	0.00737
14-11-FL-B01@3'	3'	02/13/2024	<0.00500	<0.00500	0.00607	0.0107	0.00513	0.0102	0.00748	<0.00500	0.00763	<0.00500	0.0124	<0.00500	<0.00500	0.0219
SP-CS01	-	02/13/2024	<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
SP-CS02	-	02/13/2024	<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
13-11-WH-B01@7'	7'	04/04/2024	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.00582	0.0125	0.00517
13-11-WH-N01@6'	6'	04/04/2024	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.00687	<0.00500
13-11-WH-S01@6'	6'	04/04/2024	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.00510	<0.00500	<0.00500	<0.00500	<0.00500	0.00648
13-11-WH-E01@6'	6'	04/04/2024	<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
13-11-WH-W01@6'	6'	04/04/2024	0.00949	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.0222	<0.00500	0.129	0.533	<0.00500
SP-CS03	-	04/04/2024	<0.00500	<0.00500	<0.00500	0.00639	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.00916
13-11-FL-B01@4'	4'	04/04/2024	<0.00500	<0.00500	0.0216	0.0431	0.0152	0.0206	0.0220	<0.00500	0.0377	<0.00500	0.0286	<0.00500	<0.00500	0.0820
SEP-B01@4'	4'	04/04/2024	<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
SEP-B02@3'	3'	04/04/2024	<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
SEP-B03@3"	3"	04/04/2024	<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
SP-CS04	-	04/04/2024	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.00765	<0.00500
FL-B01@3'	3'	04/04/2024	0.00544	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.0152	<0.00500	0.0488	0.135	<0.00500
FL-B02@3'	3'	04/04/2024	<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
AST-B01@3"	3"	04/04/2024	<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

Notes:

TABLE 3
SALISBURY 1, 13-11, 2-4-11, 14-11
SOIL ANALYTICAL DATA - PAHs
CRESTONE PEAK RESOURCES OPERATING, LLC

Soil Sample Location	Depth	Date	Acenaphthene (mg/kg)	Anthracene (mg/kg)	Benzo(a)A (mg/kg)	Benzo(b)F (mg/kg)	Benzo(k)F (mg/kg)	Benzo(a)P (mg/kg)	Chrysene (mg/kg)	D (a,h) A (mg/kg)	Fluoranthene (mg/kg)	Fluorene (mg/kg)	1,2,3-CD (mg/kg)	1-M (mg/kg)	2-M (mg/kg)	Pyrene (mg/kg)
ECMC Organic Compounds in Soils - GSSL ⁽¹⁾			0.55	5.8	0.011	0.3	2.9	0.24	9	0.96	8.9	0.54	0.98	0.006	0.019	1.3
ECMC Organic Compounds in Soils - RSL ⁽²⁾			360	1,800	1.1	1.1	11	0.11	110	0.11	240	240	1.1	18	24	180

PAHs = Polycyclic Aromatic Hydrocarbons

(1) Standards for soil are taken from ECMC Table 915-1: Organic Compounds in Soils - Protection of Groundwater Soil Screening Level Concentrations (Effective January 15, 2021)

(2) Standards for soil are taken from ECMC Table 915-1: Organic Compounds in Soils - Residential Soil Screening Level Concentrations (Effective January 15, 2021)

ECMC = Colorado Energy & Carbon Management Commission

GSSL = Protection of Groundwater Screening Level

RSL = Residential Soil Screening Level

(<) = Analytical result is less than the indicated laboratory reporting limit

mg/kg = milligrams per kilogram

Benzo(a)A = Benzo(a)Anthracene

Benzo(b)F = Benzo(b)Fluoranthene

Benzo(k)F = Benzo(k)Fluoranthene

Benzo(a)P = Benzo(a)Pyrene

D (a,h) A = Dibenz(a,h)Anthracene

1,2,3-CD = Indeno(1,2,3-cd)Pyrene

1-M = 1-Methylnaphthalene

2-M = 2-Methylnaphthalene

BOLD = Analytical result is in exceedance of ECMC Table 915-1: Organic Compounds in Soils - Protection of Groundwater Soil Screening Level Concentrations

BOLD = Analytical result is in exceedance of ECMC Table 915-1: Organic Compounds in Soils - Residential Soil Screening Level Concentrations

TABLE 4
SALISBURY 1, 13-11, 2-4-11, 14-11
SOIL ANALYTICAL DATA - METALS
CRESTONE PEAK RESOURCES OPERATING, LLC

Soil Sample Location	Depth	Date	Arsenic (mg/kg)	Barium (mg/kg)	Cadmium (mg/kg)	Chromium (VI) (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Nickel (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)	Zinc (mg/kg)
ECMC Metals in Soils - GSSL ⁽¹⁾			0.29	82	0.38	0.00067	46	14	26	0.26	0.8	370
ECMC Metals in Soils - RSL ⁽²⁾			0.68	15,000	71	0.3	3,100	400	1,500	390	390	23,000
2-4-11-WH-B01@6'	6'	02/13/2024	2.58*	85.3*	0.206	-	7.95	12.2	5.39	<0.260	0.0425	24.4
2-4-11-WH-W01@5'	5'	02/13/2024	5.61*	139*	0.340	-	12.2	12.7	7.68	<0.260	0.0517	27.7
2-4-11-FL-B01@3'	3'	02/13/2024	5.84*	73.7	1.84	-	9.21	17.9	13.5	0.612*	0.0368	38.9
1-WH-B01@6'	6'	02/13/2024	3.73*	105*	0.390*	-	10.0	14.4*	5.92	<0.260	0.0398	30.4
1-WH-N01@6'	6'	02/13/2024	6.51	276	0.431*	-	9.45	16.0*	9.62	<0.260	0.100	32.3
1-FL-B01@3'	3'	02/13/2024	3.89*	113*	0.471	-	12.1	32.2	7.35	<0.260	0.0565	75.6
14-11-WH-B01@6'	6'	02/13/2024	3.50*	106*	0.455	-	12.3	59.5	7.49	<0.260	0.0569	41.8
14-11-FL-B01@3'	3'	02/13/2024	4.41*	129*	0.417*	-	44.4	47.6	8.52	0.274*	0.0637	40.7
SP-CS01	-	02/13/2024	3.09*	105*	0.205	-	8.17	29.8	6.23	<0.260	0.0494	24.3
SP-CS02	-	02/13/2024	6.07*	250	0.317	-	11.6	23.8	6.51	<0.260	0.0506	31.4
13-11-WH-B01@7'	7'	04/04/2024	3.25*	111*	0.348	<0.30	7.74	10.4	5.88	<0.260	0.0465	23.7
13-11-WH-N01@6'	6'	04/04/2024	4.59*	138*	0.338	<0.30	6.94	12.1	7.15	<0.260	0.0661	24.5
13-11-WH-S01@6'	6'	04/04/2024	5.93*	172*	0.374	<0.30	7.78	12.3	8.24	<0.260	0.0810	26.9
13-11-WH-E01@6'	6'	04/04/2024	4.63*	157*	0.316	<0.30	8.43	12.9	7.55	<0.260	0.0632	25.0
13-11-WH-W01@6'	6'	04/04/2024	4.25*	123*	0.305	<0.30	6.53	10.4	6.98	<0.260	0.0537	23.8
SP-CS03	-	04/04/2024	3.20*	122*	0.271	<0.30	6.49	10.2	5.56	<0.260	0.0444	20.6
13-11-FL-B01@4'	4'	04/04/2024	3.69*	113*	0.272	<0.30	8.00	13.1	6.74	<0.260	0.0570	25.4
SEP-B01@4'	4'	04/04/2024	3.48*	205*	0.397*	<0.30	7.10	14.4*	5.76	<0.260	0.0635	35.5
SEP-B02@3'	3'	04/04/2024	3.09*	102*	0.347	<0.30	7.41	13.7	6.33	<0.260	0.0718	25.1
SEP-B03@3"	3"	04/04/2024	2.78*	85.6*	0.276	<0.30	6.75	11.1	5.60	<0.260	0.0478	23.0
SP-CS04	-	04/04/2024	3.68*	106*	0.300	<0.30	6.84	11.0	6.55	0.379*	0.0552	26.4
FL-B01@3'	3'	04/04/2024	4.42*	295	0.334	<0.30	7.49	12.5	6.26	0.309*	0.0647	24.4
FL-B02@3'	3'	04/04/2024	2.91*	85.5*	0.302	<0.30	5.84	9.72	5.10	<0.236	0.0446	20.7
AST-B01@3"	3"	04/04/2024	1.03*	30.2	<0.200	<0.30	2.46	1.97	1.33	<0.260	<0.0200	6.09

TABLE 4
SALISBURY 1, 13-11, 2-4-11, 14-11
SOIL ANALYTICAL DATA - METALS
CRESTONE PEAK RESOURCES OPERATING, LLC

Soil Sample Location	Depth	Date	Arsenic (mg/kg)	Barium (mg/kg)	Cadmium (mg/kg)	Chromium (VI) (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Nickel (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)	Zinc (mg/kg)
ECMC Metals in Soils - GSSL ⁽¹⁾			0.29	82	0.38	0.00067	46	14	26	0.26	0.8	370
ECMC Metals in Soils - RSL ⁽²⁾			0.68	15,000	71	0.3	3,100	400	1,500	390	390	23,000
BACKGROUND												
BG01@4 ^{1**}	4'	03/14/2023	5.03	123	0.247	<0.30	15.9	12.5	16.4	0.922	0.0855	60.5
BG01@5 ^{1**}	5'	03/14/2023	4.00	105	0.209	<0.30	13.5	10.5	14.6	0.639	0.0597	51.1
BG02@5 ^{1**}	5'	05/23/2023	0.939	117	<0.242	<0.30	3.05	9.33	3.35	<0.260	0.0459	10.9
BG03@5 ^{1**}	5'	05/23/2023	0.955	120	<0.238	<0.30	3.43	9.49	3.58	<0.260	0.0720	12.0
BG04@5 ^{1**}	5'	05/23/2023	0.808	85.6	<0.239	<0.30	2.68	8.49	3.07	<0.260	0.0521	10.1
BG05@5 ^{1**}	5'	05/24/2023	4.30	94.9	<0.251	<0.30	8.08	11.3	8.67	0.225	0.0291	25.3
BG06@5 ^{1**}	5'	05/24/2023	4.66	151	0.260	<0.30	8.62	13.4	9.89	<0.318	0.0772	30.9
BG01@5'	5'	02/13/2024	4.04	123	0.265	-	7.78	12.5	8.13	<0.260	0.0543	28.2
BG02@6 ^{1**}	6'	05/23/2023	0.701	148	<0.242	<0.30	3.18	8.10	3.68	<0.260	0.0435	10.7
BG03@6 ^{1**}	6'	05/23/2023	0.923	183	<0.261	<0.30	3.65	11.8	4.13	0.194	0.0590	13.0
BG04@6 ^{1**}	6'	05/23/2023	0.683	80.6	<0.252	<0.30	3.15	7.08	3.28	0.177	0.0433	11.2
BG05@6 ^{1**}	6'	05/24/2023	4.53	118	0.337	<0.30	9.20	13.9	9.88	<0.330	0.0798	31.6
BG06@6 ^{1**}	6'	05/24/2023	2.91	112	<0.244	<0.30	6.32	8.67	7.04	<0.318	0.0342	23.9
BG01@6'	6'	02/13/2024	4.25	109	0.280	-	7.97	12.7	8.17	<0.260	0.0563	28.8
BG02@7 ^{1**}	7'	05/23/2023	0.599	39.0	<0.235	<0.30	2.04	4.67	2.38	<0.260	<0.0235	7.97
BG03@7 ^{1**}	7'	05/23/2023	0.802	122	<0.244	<0.30	3.40	8.37	3.59	<0.260	0.0493	11.9
BG04@7 ^{1**}	7'	05/23/2023	0.713	170	<0.270	<0.30	4.02	11.9	3.83	0.468	0.0579	13.0
BG05@7 ^{1**}	7'	05/24/2023	3.74	172	0.270	<0.30	11.1	13.9	11.3	0.245	0.0740	34.1
BG06@7 ^{1**}	7'	05/24/2023	4.24	152	<0.267	<0.30	9.68	14.0	9.88	0.501	0.0635	33.2
Highest Background @ 0-7' x1.25 (CL)			6.29	228	0.421	-	19.8	17.5	20.5	1.15	0.107	75.6

Notes:

(1) Standards for soil are taken from ECMC Table 915-1: Metals in Soils - Protection of Groundwater Soil Screening Level Concentrations (Effective January 15, 2021)

(2) Standards for soil are taken from ECMC Table 915-1: Metals in Soils - Residential Soil Screening Level Concentrations (Effective January 15, 2021)

TABLE 4
SALISBURY 1, 13-11, 2-4-11, 14-11
SOIL ANALYTICAL DATA - METALS
CRESTONE PEAK RESOURCES OPERATING, LLC

Soil Sample Location	Depth	Date	Arsenic (mg/kg)	Barium (mg/kg)	Cadmium (mg/kg)	Chromium (VI) (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Nickel (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)	Zinc (mg/kg)
ECMC Metals in Soils - GSSL ⁽¹⁾			0.29	82	0.38	0.00067	46	14	26	0.26	0.8	370
ECMC Metals in Soils - RSL ⁽²⁾			0.68	15,000	71	0.3	3,100	400	1,500	390	390	23,000

Samples collected on **02/13/2024** were not analyzed for Hexavalent Chromium. See the case narrative on lab reports 2402259.

ECMC = Colorado Energy & Carbon Management Commission

GSSL = Protection of Groundwater Screening Level

RSL = Residential Soil Screening Level

(<) = Analytical result is less than the indicated laboratory minimum detection limit

mg/kg = milligrams per kilogram

BOLD = Analytical result is in exceedance of ECMC Table 915-1: Metals in Soils - Protection of Groundwater Soil Screening Level Concentrations

BOLD = Analytical result is in exceedance of ECMC Table 915-1: Metals in Soils - Residential Soil Screening Level Concentrations

Highest background concentration x1.25

Italics = Laboratory minimum detection limit exceeds the ECMC Table 915-1 Standard

* Result exceeded the ECMC Table 915-1 standard, but was within site-specific 1.25x background multiplier levels

**Background sample collected as part of Salisbury 14-11 site assessment (REM #: 26070)

TABLE 5
SALISBURY 1, 13-11, 2-4-11, 14-11
SOIL ANALYTICAL DATA - SOIL RECLAMATION
CRESTONE PEAK RESOURCES OPERATING, LLC



Soil Sample Location	Depth	Date	pH	SAR	EC (mmhos/cm)	Boron (mg/L)
ECMC Soil Suitability for Reclamation⁽¹⁾			6 - 8.3	< 6	< 4	2
2-4-11-WH-B01@6'	6'	02/13/2024	9.14	0.0967	0.434	<2.00
2-4-11-WH-W01@5'	5'	02/13/2024	8.75	0.107	0.328	<2.00
2-4-11-FL-B01@3'	3'	02/13/2024	9.99	0.0760	0.272	<2.00
1-WH-B01@6'	6'	02/13/2024	12.0	0.146	1.02	<2.00
1-WH-N01@6'	6'	02/13/2024	8.55*	0.228	0.418	<2.00
1-FL-B01@3'	3'	02/13/2024	8.10	0.0420	0.270	<2.00
14-11-WH-B01@6'	6'	02/13/2024	8.13	0.0536	0.356	<2.00
14-11-FL-B01@3'	3'	02/13/2024	8.29	0.0563	0.322	<2.00
SP-CS01	-	02/13/2024	9.04	0.0979	0.315	<2.00
SP-CS02	-	02/13/2024	8.44*	0.0686	0.354	<2.00
13-11-WH-B01@7'	7'	04/04/2024	8.33	2.33	0.534	<2.00
13-11-WH-N01@6'	6'	04/04/2024	9.06	1.77	0.281	<2.00
13-11-WH-S01@6'	6'	04/04/2024	7.57	0.946	0.492	<2.00
13-11-WH-E01@6'	6'	04/04/2024	9.85	1.39	0.354	<2.00
13-11-WH-W01@6'	6'	04/04/2024	8.78	1.45	0.249	<2.00
SP-CS03	-	04/04/2024	9.15	1.16	0.295	<2.00
13-11-FL-B01@4'	4'	04/04/2024	9.04	0.277	0.171	<2.00
SEP-B01@4'	4'	04/04/2024	9.08	0.493	0.188	<2.00
SEP-B02@3'	3'	04/04/2024	8.85	0.593	0.227	<2.00
SEP-B03@3"	3"	04/04/2024	8.90	0.188	0.141	<2.00
SP-CS04	-	04/04/2024	8.63	0.718	0.245	<2.00
FL-B01@3'	3'	04/04/2024	8.17	1.26	0.299	<2.00
FL-B02@3'	3'	04/04/2024	8.85	0.304	0.173	<2.00
AST-B01@3"	3"	04/04/2024	9.82	0.788	0.0724	<2.00
BACKGROUND						
BG01@4'***	4'	03/14/2023	8.14	1.17	9.99**	0.672
BG01@5'***	5'	03/14/2023	7.84	0.689	4.19	0.392
BG02@5'***	5'	05/23/2023	7.76	7.37	1.95	0.616
BG03@5'***	5'	05/23/2023	7.76	6.84	3.05	0.423
BG04@5'***	5'	05/23/2023	7.50	6.37	2.53	0.321

TABLE 5
SALISBURY 1, 13-11, 2-4-11, 14-11
SOIL ANALYTICAL DATA - SOIL RECLAMATION
CRESTONE PEAK RESOURCES OPERATING, LLC



Soil Sample Location	Depth	Date	pH	SAR	EC (mmhos/cm)	Boron (mg/L)
ECMC Soil Suitability for Reclamation⁽¹⁾			6 - 8.3	< 6	< 4	2
BG05@5'***	5'	05/24/2023	7.79	4.80	0.696	0.986
BG06@5'***	5'	05/24/2023	7.89	8.96	3.69	0.826
BG01@5'	5'	02/13/2024	8.59	0.248	0.793	<2.00
BG02@6'***	6'	05/23/2023	7.47	3.36	1.22	0.140
BG03@6'***	6'	05/23/2023	7.31	2.33	0.868	0.231
BG04@6'***	6'	05/23/2023	7.25	4.42	2.94	0.181
BG05@6'***	6'	05/24/2023	7.65	3.21	0.526	0.418
BG06@6'***	6'	05/24/2023	7.63	3.63	1.57	0.231
BG01@6'	6'	02/13/2024	8.36	0.393	0.995	<2.00
BG02@7'***	7'	05/23/2023	7.51	2.23	1.40	0.127
BG03@7'***	7'	05/23/2023	6.97	2.23	1.05	0.159
BG04@7'***	7'	05/23/2023	7.09	3.42	1.67	0.139
BG05@7'***	7'	05/24/2023	7.23	2.29	0.53	0.455
BG06@7'***	7'	05/24/2023	7.15	3.07	1.53	0.319
Highest Background @ 0-7' (CL)			8.59	8.96	4.19	0.986

Notes:

(1) Standards for soil are taken from ECMC Table 915-1: Soil Suitability for Reclamation (Effective January 15, 2021)

ECMC = Colorado Energy & Carbon Management Commission

(<) = Analytical result is less than the indicated laboratory reporting limit

mmhos/cm = millimhos per centimeter

mg/L = milligrams per liter

pH = Potential of Hydrogen

SAR = Sodium Adsorption Ratio

EC = Electrical Conductivity

BOLD = Analytical result is in exceedance of ECMC Table 915-1: Soil Suitability for Reclamation Concentrations

Highest background concentration

* Result exceeded the ECMCC Table 915-1 standard, but was within site-specific background concentrations

**Background sample collected as part of Salisbury 14-11 site assessment (REM #: 26070)

TABLE 6
SALISBURY 1, 13-11, 2-4-11, 14-11
GROUNDWATER ANALYTICAL DATA
CRESTONE PEAK RESOURCES OPERATING, LLC

Groundwater Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ehtylbenzene (µg/L)	Total Xylenes (µg/L)	Naphthalene (µg/L)	1,2,4-TMB (µg/L)	1,3,5-TMB (µg/L)	Chloride (mg/L)	Sulfate (mg/L)	TDS (mg/L)
ECMC Organic Compounds in Groundwater and Groundwater Inorganic Parameters⁽¹⁾		5	560	700	1,400	140	67	67	250 or <1.25 x Background	250 or <1.25 x Background	<1.25 x Background
WH-GW01	04/04/2024	17	1.5	5.3	18	<1.0	4.9	<1.0	-	-	-

Notes:

(1) Standards for groundwater are taken from ECMC Table 915-1: Organic Compounds in Groundwater and Groundwater Inorganic Parameters (Effective January 15, 2021)

ECMC = Colorado Energy & Carbon Management Commission

(<) = Analytical result is less than the indicated laboratory reporting limit

µg/L = micrograms per liter

1,2,4-TMB = 1,2,4-Trimethylbenzene

1,3,5-TMB = 1,3,5-Trimethylbenzene

TDS = Total Dissolved Solids

BOLD = Analytical result is in exceedance of ECMC Table 915-1: Organic Compounds in Groundwater and Groundwater Inorganic Parameters

- = Constituent not analyzed

LABORATORY ANALYTICAL DATA

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

August 26, 2024

Sam Vogt

Tasman Geosciences

6855 W. 119th Ave.

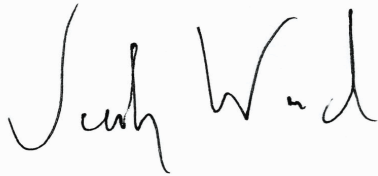
Broomfield, CO 80020

RE: Civitas - Salisbury 1,13-11,2-4-11,14-11

Work Order #2402259

Enclosed are the results of analyses for samples received by Summit Scientific on 02/13/24 17:34. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Jacob Wood". The signature is written in a cursive style with a large initial "J" and a distinct "W".

Jacob Wood For Paul Shrewsbury

President



Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
08/26/24 12:24

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
2-4-11-WH-B01@6'	2402259-01	Soil	02/13/24 09:40	02/13/24 17:34
2-4-11-WH-W01@5'	2402259-05	Soil	02/13/24 10:00	02/13/24 17:34
2-4-11-FL-B01@3'	2402259-06	Soil	02/13/24 10:05	02/13/24 17:34
1-WH-B01@6'	2402259-07	Soil	02/13/24 10:10	02/13/24 17:34
1-WH-N01@6'	2402259-08	Soil	02/13/24 10:15	02/13/24 17:34
1-FL-B01@3'	2402259-11	Soil	02/13/24 10:30	02/13/24 17:34
14-11-WH-B01@6'	2402259-12	Soil	02/13/24 10:35	02/13/24 17:34
14-11-FL-B01@3'	2402259-13	Soil	02/13/24 10:55	02/13/24 17:34
SP-CS01	2402259-14	Soil	02/13/24 11:00	02/13/24 17:34
SP-CS02	2402259-15	Soil	02/13/24 11:05	02/13/24 17:34
BG01@5'	2402259-18	Soil	02/13/24 11:20	02/13/24 17:34
BG01@6'	2402259-19	Soil	02/13/24 11:25	02/13/24 17:34

Case Narrative

The Hexavalent Chromium hold-time has expired for these samples. Hexavalent Chromium was therefore cancelled prior to completion at Summit Scientific.

Logon Molson requested COC be modified for BG01@5' & BG01@6' on 8/26/2024.

BG02@5' & BG02@6' were renamed per client request on 8/26/2024.

This is a revision of the report originally sent on 3/6/24 at 15:51 MT.

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.

SS

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

Lab ID	Page 1 of 2
2402259.1	

Client: Civitas / Tasman	Send Data To: Project Manager: Sam Vogt / Jacob Evans	Send Invoice To: Company: Civitas
Address: 6855 W. 119th Ave.	E-Mail: Svogt@tasman-geo.com	Project Name/Location:
City/State/Zip: Broomfield, CO 80020	Jevans@civitasresources.com	AFE#: 23024, 23361, 23026
Phone: PM Phone # - (610)-405-9078	Project Name: <u>Salisbury 1, 13-11, 2-4-11, 14-11</u>	PO/Billing Codes: 8520.162
Sampler Name: <u>Sean Clarke</u>	Project Number:	Contact:

ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative				Matrix				Analysis Requested							Special Instructions			
					HCl	HNO3	None	Other	Water	Soil	Air-Canister #	Other	BTEXN	1,2,4 + 1,3,5 TMB's	TPH(GRO,DRO,ORO)	PAH	pH,EC,SAR	Boron	Metals				
1	2-4-11-WH-B01@6'	2/13/24	9:40	2						X													
2	2-4-11-WH-N01@5'		9:45																				On-hold
3	2-4-11-WH-S01@5'		9:50																				On-hold
4	2-4-11-WH-E01@5'		9:55																				On-hold
5	2-4-11-WH-W01@5'		10:00																				
6	2-4-11-FL-B01@3'		10:05																				
7	1-WH-B01@6'		10:10																				
8	1-WH-N01@6'		10:15																				
9	1-WH-E01@5'		10:20																				On-hold
10	1-WH-W01@5'		10:25																				On-hold
11	1-FL-B01@3'		10:30																				
12	14-11-WH-B01@6'		10:35																				
13	14-11-FL-B01@3'		10:55																				
14	SP-CS01		11:00																				
15	SP-CS02		11:05																				

Relinquished by: <u>Sean Clarke</u>	Date/Time: <u>2/13/24 15:30</u>	Received by: <u>Tasman Lockbox</u>	Date/Time: <u>2/13/24 15:30</u>	TAT Business Days	Field DO	Notes:
Relinquished by: <u>Tasman Lockbox</u>	Date/Time: <u>2/13/24 17:34</u>	Received by: <u>Rick</u>	Date/Time: <u>2/13/24 17:34</u>	Same Day	Field EC	
Relinquished by:	Date/Time:	Received by:	Date/Time:	1 Day	Field ORP	
				2 Days	Field pH	
				3 Days	Field Temp.	
Temperature Upon Receipt: <u>9.2</u>	Corrected Temperature: <u>9</u>	IR gun #:		Standard	X Field Turb.	
					X HNO3 lot #:	

SS

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

Lab ID
2402259.2

Page 2 of 2

Send Data To:		Send Invoice To:
Client: Civitas / Tasman	Project Manager: Sam Vogt / Jacob Evans	Company: Civitas
Address: 6855 W. 119th Ave.	E-Mail: Svogt@tasman-geo.com	Project Name/Location:
City/State/Zip: Broomfield, CO 80020	Jevans@civitasresources.com	AFE#: 23024, 23361, 23026
Phone: PM Phone # - (610)-405-9078	Project Name: Salisbury 1, 13-11, 2-4-11, 14-11	PO/Billing Codes: 8520.162
Sampler Name: Sean Clarke	Project Number:	Contact:

ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative				Matrix			Analysis Requested						Special Instructions	
					HCl	HNO3	None	Other	Water	Soil	Air-Canister #	Other	BTEXN	1,2,4 + 1,3,5 TMB's	TPH(GRO,PRO,ORO)	PAH	pH,EC,SAR		Boron
1	BG01@5'	2/13/24	11:10	2						X						X	X	X	Full Table 915
2	BG01@6'	↓	11:15	↓															
3	BG02@5'	↓	11:20	↓															
4	BG02@6'	↓	11:25	↓															
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			
13																			
14																			
15																			

Relinquished by: <i>Sean Clarke</i>	Date/Time: 2/13/24 15:30	Received by: <i>Tasman Lockbox</i>	Date/Time: 2/13/24 15:30	TAT Business Days	Field DO	Notes:
Relinquished by: <i>Tasman Lockbox</i>	Date/Time: 2/13/24 17:34	Received by: <i>[Signature]</i>	Date/Time: 2/13/24 17:34	Same Day	Field EC	
Relinquished by:	Date/Time:	Received by:	Date/Time:	1 Day	Field ORP	
Relinquished by:	Date/Time:	Received by:	Date/Time:	2 Days	Field pH	
Relinquished by:	Date/Time:	Received by:	Date/Time:	3 Days	Field Temp.	
Temperature Upon Receipt: 9.2	Corrected Temperature: 0	IR gun #:		Standard	X Field Turb.	
					X	HNO3 lot #:

S₂

2/2

Sample Receipt Checklist

S2 Work Order# 2402259

Client: Curtis Tasman Client Project ID: Satsbury 1, B-11, 2-4-11, 14-11

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"/>	
If custody seals are present, are they intact? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>NTA</i>
Are samples due within 48 hours present?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
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"/>	
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.

AS
Custodian Printed Name

2/13/24
Date/Time



Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
08/26/24 12:24

2-4-11-WH-B01@6'
2402259-01 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **02/13/24 09:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BHB0604	02/19/24	02/20/24	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: **02/13/24 09:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	0.0472	118 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0379	94.8 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0380	95.1 %	50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **02/13/24 09:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BHB0600	02/19/24	02/20/24	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **02/13/24 09:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl	9.30	74.4 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

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.



Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
08/26/24 12:24

2-4-11-WH-B01@6'
2402259-01 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **02/13/24 09:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BHB0626	02/20/24	02/21/24	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	0.0221	0.00500	"	"	"	"	"	"	

Date Sampled: **02/13/24 09:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0173	51.9 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0175	52.4 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **02/13/24 09:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L	1	BHB0911	02/29/24	03/02/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **02/13/24 09:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
08/26/24 12:24

2-4-11-WH-B01@6'
2402259-01 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Arsenic	2.58	0.200	mg/kg dry	1	BHC0571	03/16/24	03/22/24	EPA 6020B
Barium	85.3	0.400	"	"	"	"	"	"
Cadmium	0.206	0.200	"	"	"	"	"	"
Copper	7.95	0.400	"	"	"	"	"	"
Lead	12.2	0.200	"	"	"	"	"	"
Nickel	5.39	0.400	"	"	"	"	"	"
Silver	0.0425	0.0200	"	"	"	"	"	"
Zinc	24.4	0.400	"	"	"	"	"	"
Selenium	ND	0.260	"	"	"	"	"	"

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **02/13/24 09:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	10.1	0.0500	mg/L dry	1	BHB0658	02/20/24	02/29/24	EPA 6020B	
Magnesium	1.32	0.0500	"	"	"	"	"	"	
Sodium	1.23	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **02/13/24 09:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.0967	0.00100	units	1	BHB0807	02/26/24	02/29/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **02/13/24 09:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	85.7		%	1	BHB0536	02/16/24	02/16/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **02/13/24 09:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Tasman Geosciences
 6855 W. 119th Ave.
 Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
 Project Manager: Sam Vogt

Reported:
 08/26/24 12:24

2-4-11-WH-B01@6'
2402259-01 (Soil)

Summit Scientific

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

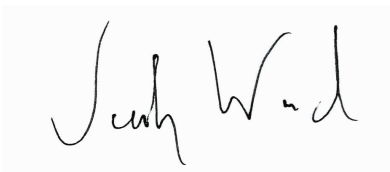
Specific Conductance (EC)	0.434	0.0100	mmhos/cm	1	BHB0664	02/21/24	02/25/24	EPA 120.1	I-02
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Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **02/13/24 09:40**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
pH	9.14			pH Units	1	BHB0662	02/21/24	02/25/24	EPA 9045D	I-02

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
08/26/24 12:24

2-4-11-WH-W01@5'
2402259-05 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **02/13/24 10:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BHB0604	02/19/24	02/20/24	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	0.024	0.010	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	0.0050	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	0.037	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	3.1	0.50	"	"	"	"	"	"	

Date Sampled: **02/13/24 10:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	0.0406	102 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0377	94.3 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0382	95.5 %	50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **02/13/24 10:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BHB0600	02/19/24	02/20/24	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **02/13/24 10:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl	10.3	82.7 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
08/26/24 12:24

2-4-11-WH-W01@5'
2402259-05 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **02/13/24 10:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BHB0626	02/20/24	02/21/24	EPA 8270D SIM	
Anthracene	ND	0.00500	"	"	"	"	"	"	"
Benzo (a) anthracene	0.00926	0.00500	"	"	"	"	"	"	"
Benzo (a) pyrene	0.0111	0.00500	"	"	"	"	"	"	"
Benzo (b) fluoranthene	0.0137	0.00500	"	"	"	"	"	"	"
Benzo (k) fluoranthene	0.00562	0.00500	"	"	"	"	"	"	"
Chrysene	0.0109	0.00500	"	"	"	"	"	"	"
Dibenz (a,h) anthracene	ND	0.00500	"	"	"	"	"	"	"
Fluoranthene	0.0155	0.00500	"	"	"	"	"	"	"
Fluorene	ND	0.00500	"	"	"	"	"	"	"
Indeno (1,2,3-cd) pyrene	0.0111	0.00500	"	"	"	"	"	"	"
Pyrene	0.0257	0.00500	"	"	"	"	"	"	"
1-Methylnaphthalene	0.0249	0.00500	"	"	"	"	"	"	"
2-Methylnaphthalene	0.0142	0.00500	"	"	"	"	"	"	"

Date Sampled: **02/13/24 10:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0231	69.3 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0209	62.8 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **02/13/24 10:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L	1	BHB0911	02/29/24	03/02/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **02/13/24 10:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
08/26/24 12:24

2-4-11-WH-W01@5'
2402259-05 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	5.61	0.200	mg/kg dry	1	BHC0571	03/16/24	03/22/24	EPA 6020B	
Barium	139	0.400	"	"	"	"	"	"	
Cadmium	0.340	0.200	"	"	"	"	"	"	
Copper	12.2	0.400	"	"	"	"	"	"	
Lead	12.7	0.200	"	"	"	"	"	"	
Nickel	7.68	0.400	"	"	"	"	"	"	
Silver	0.0517	0.0200	"	"	"	"	"	"	
Zinc	27.7	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **02/13/24 10:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	10.3	0.0500	mg/L dry	1	BHB0658	02/20/24	02/29/24	EPA 6020B	
Magnesium	1.74	0.0500	"	"	"	"	"	"	
Sodium	1.41	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **02/13/24 10:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.107	0.00100	units	1	BHB0807	02/26/24	02/29/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **02/13/24 10:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	87.4		%	1	BHB0536	02/16/24	02/16/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **02/13/24 10:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Tasman Geosciences
 6855 W. 119th Ave.
 Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
 Project Manager: Sam Vogt

Reported:
 08/26/24 12:24

2-4-11-WH-W01@5'
2402259-05 (Soil)

Summit Scientific

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

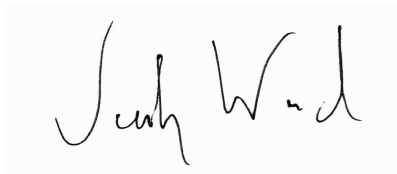
Specific Conductance (EC)	0.328	0.0100	mmhos/cm	1	BHB0664	02/21/24	02/25/24	EPA 120.1	I-02
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Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **02/13/24 10:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
pH	8.75			pH Units	1	BHB0662	02/21/24	02/25/24	EPA 9045D	I-02

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
08/26/24 12:24

2-4-11-FL-B01@3'
2402259-06 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **02/13/24 10:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BHB0604	02/19/24	02/20/24	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: **02/13/24 10:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	0.0453	113 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0369	92.2 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0393	98.3 %	50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **02/13/24 10:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BHB0600	02/19/24	02/20/24	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **02/13/24 10:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl	10.7	86.0 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11
Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
08/26/24 12:24

2-4-11-FL-B01@3'
2402259-06 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **02/13/24 10:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.0500	mg/kg	10	BHB0626	02/20/24	02/21/24	EPA 8270D SIM	R-05
Anthracene	ND	0.0500	"	"	"	"	"	"	R-05
Benzo (a) anthracene	ND	0.0500	"	"	"	"	"	"	R-05
Benzo (a) pyrene	ND	0.0500	"	"	"	"	"	"	R-05
Benzo (b) fluoranthene	ND	0.0500	"	"	"	"	"	"	R-05
Benzo (k) fluoranthene	ND	0.0500	"	"	"	"	"	"	R-05
Chrysene	ND	0.0500	"	"	"	"	"	"	R-05
Dibenz (a,h) anthracene	ND	0.0500	"	"	"	"	"	"	R-05
Fluoranthene	ND	0.0500	"	"	"	"	"	"	R-05
Fluorene	ND	0.0500	"	"	"	"	"	"	R-05
Indeno (1,2,3-cd) pyrene	ND	0.0500	"	"	"	"	"	"	R-05
Pyrene	ND	0.0500	"	"	"	"	"	"	R-05
1-Methylnaphthalene	ND	0.0500	"	"	"	"	"	"	R-05
2-Methylnaphthalene	ND	0.0500	"	"	"	"	"	"	R-05

Date Sampled: **02/13/24 10:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	-0.0191	%	40-150		"	"	"	"	S-01
Surrogate: Fluoranthene-d10	0.0143	42.9 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **02/13/24 10:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L	1	BHB0911	02/29/24	03/02/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **02/13/24 10:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
08/26/24 12:24

2-4-11-FL-B01@3'
2402259-06 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Arsenic	5.84	0.200	mg/kg dry	1	BHC0571	03/16/24	03/22/24	EPA 6020B
Barium	73.7	0.400	"	"	"	"	"	"
Cadmium	1.84	0.200	"	"	"	"	"	"
Copper	9.21	0.400	"	"	"	"	"	"
Lead	17.9	0.200	"	"	"	"	"	"
Nickel	13.5	0.400	"	"	"	"	"	"
Silver	0.0368	0.0200	"	"	"	"	"	"
Zinc	38.9	0.400	"	"	"	"	"	"
Selenium	0.612	0.260	"	"	"	"	"	"

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **02/13/24 10:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	8.98	0.0500	mg/L dry	1	BHB0658	02/20/24	02/29/24	EPA 6020B	
Magnesium	1.67	0.0500	"	"	"	"	"	"	
Sodium	0.946	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **02/13/24 10:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.0760	0.00100	units	1	BHB0807	02/26/24	02/29/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **02/13/24 10:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	84.8		%	1	BHB0536	02/16/24	02/16/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **02/13/24 10:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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 6855 W. 119th Ave.
 Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
 Project Manager: Sam Vogt

Reported:
 08/26/24 12:24

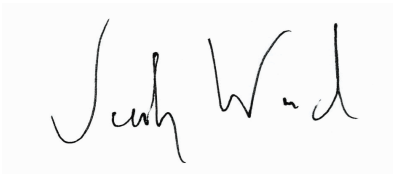
2-4-11-FL-B01@3'
2402259-06 (Soil)

Summit Scientific

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Specific Conductance (EC)	0.272	0.0100	mmhos/cm	1	BHB0664	02/21/24	02/25/24	EPA 120.1	I-02
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Summit Scientific



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Tasman Geosciences
 6855 W. 119th Ave.
 Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
 Project Manager: Sam Vogt

Reported:
 08/26/24 12:24

2-4-11-FL-B01@3'
2402259-06RE1 (Soil)


Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **02/13/24 10:05**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
pH	8.51		pH Units	1	BHC0764	01/29/24	03/22/24	EPA 9045D	I-04

Summit Scientific



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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
08/26/24 12:24

1-WH-B01@6'
2402259-07 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **02/13/24 10:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BHB0604	02/19/24	02/20/24	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	0.035	0.010	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	0.078	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	0.024	0.0050	"	"	"	"	"	"	
Naphthalene	0.0056	0.0038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	0.87	0.50	"	"	"	"	"	"	

Date Sampled: **02/13/24 10:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>	0.0417	104 %	50-150		"	"	"	"	
<i>Surrogate: Toluene-d8</i>	0.0381	95.2 %	50-150		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	0.0398	99.5 %	50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **02/13/24 10:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BHB0600	02/19/24	02/20/24	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **02/13/24 10:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: o-Terphenyl</i>	11.2	89.3 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
08/26/24 12:24

1-WH-B01@6'
2402259-07 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **02/13/24 10:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BHB0626	02/20/24	02/21/24	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	0.0121	0.00500	"	"	"	"	"	"	

Date Sampled: **02/13/24 10:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0183	55.0 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0194	58.3 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **02/13/24 10:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L	1	BHB0911	02/29/24	03/02/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **02/13/24 10:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
08/26/24 12:24

1-WH-B01@6'
2402259-07 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	3.73	0.200	mg/kg dry	1	BHC0571	03/16/24	03/22/24	EPA 6020B	
Barium	105	0.400	"	"	"	"	"	"	
Cadmium	0.390	0.200	"	"	"	"	"	"	
Copper	10.0	0.400	"	"	"	"	"	"	
Lead	14.4	0.200	"	"	"	"	"	"	
Nickel	5.92	0.400	"	"	"	"	"	"	
Silver	0.0398	0.0200	"	"	"	"	"	"	
Zinc	30.4	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **02/13/24 10:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	8.22	0.0500	mg/L dry	1	BHB0658	02/20/24	02/29/24	EPA 6020B	
Magnesium	1.08	0.0500	"	"	"	"	"	"	
Sodium	1.68	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **02/13/24 10:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.146	0.00100	units	1	BHB0807	02/26/24	02/29/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **02/13/24 10:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	81.4		%	1	BHB0536	02/16/24	02/16/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **02/13/24 10:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
08/26/24 12:24

1-WH-B01@6'
2402259-07 (Soil)

Summit Scientific

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

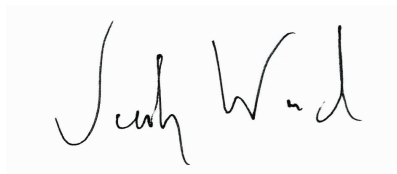
Specific Conductance (EC)	1.02	0.0100	mmhos/cm	1	BHB0664	02/21/24	02/25/24	EPA 120.1	I-02
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Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **02/13/24 10:10**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
pH	12.0			pH Units	1	BHB0662	02/21/24	02/25/24	EPA 9045D	I-02

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6855 W. 119th Ave.
Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
08/26/24 12:24

1-WH-N01@6'
2402259-08 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **02/13/24 10:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BHB0604	02/19/24	02/20/24	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	0.075	0.0050	"	"	"	"	"	"	
Xylenes (total)	0.98	0.010	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	1.1	0.0050	"	"	"	"	"	"	E
1,3,5-Trimethylbenzene	0.89	0.0050	"	"	"	"	"	"	E
Naphthalene	0.029	0.0038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	98	0.50	"	"	"	"	"	"	E

Date Sampled: **02/13/24 10:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	0.0237	59.2 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0993	248 %	50-150		"	"	"	"	S-02
Surrogate: 4-Bromofluorobenzene	0.119	298 %	50-150		"	"	"	"	S-02

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **02/13/24 10:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	88	50	mg/kg	1	BHB0600	02/19/24	02/20/24	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **02/13/24 10:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl	12.5	100 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
08/26/24 12:24

1-WH-N01@6'
2402259-08 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **02/13/24 10:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.0500	mg/kg	10	BHB0626	02/20/24	02/21/24	EPA 8270D SIM	R-05
Anthracene	ND	0.0500	"	"	"	"	"	"	R-05
Benzo (a) anthracene	ND	0.0500	"	"	"	"	"	"	R-05
Benzo (a) pyrene	ND	0.0500	"	"	"	"	"	"	R-05
Benzo (b) fluoranthene	ND	0.0500	"	"	"	"	"	"	R-05
Benzo (k) fluoranthene	ND	0.0500	"	"	"	"	"	"	R-05
Chrysene	ND	0.0500	"	"	"	"	"	"	R-05
Dibenz (a,h) anthracene	ND	0.0500	"	"	"	"	"	"	R-05
Fluoranthene	ND	0.0500	"	"	"	"	"	"	R-05
Fluorene	ND	0.0500	"	"	"	"	"	"	R-05
Indeno (1,2,3-cd) pyrene	ND	0.0500	"	"	"	"	"	"	R-05
Pyrene	ND	0.0500	"	"	"	"	"	"	R-05
1-Methylnaphthalene	ND	0.0500	"	"	"	"	"	"	R-05
2-Methylnaphthalene	ND	0.0500	"	"	"	"	"	"	R-05

Date Sampled: **02/13/24 10:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	-0.0427	%	40-150		"	"	"	"	S-01
Surrogate: Fluoranthene-d10	0.00723	21.7 %	40-150		"	"	"	"	S-01

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **02/13/24 10:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L	1	BHB0911	02/29/24	03/02/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **02/13/24 10:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
08/26/24 12:24

1-WH-N01@6'
2402259-08 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	6.51	0.200	mg/kg dry	1	BHC0571	03/16/24	03/22/24	EPA 6020B	
Barium	276	0.400	"	"	"	"	"	"	
Cadmium	0.431	0.200	"	"	"	"	"	"	
Copper	9.45	0.400	"	"	"	"	"	"	
Lead	16.0	0.200	"	"	"	"	"	"	
Nickel	9.62	0.400	"	"	"	"	"	"	
Silver	0.100	0.0200	"	"	"	"	"	"	
Zinc	32.3	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **02/13/24 10:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	10.4	0.0500	mg/L dry	1	BHB0658	02/20/24	02/29/24	EPA 6020B	
Magnesium	4.51	0.0500	"	"	"	"	"	"	
Sodium	3.50	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **02/13/24 10:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.228	0.00100	units	1	BHB0807	02/26/24	02/29/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **02/13/24 10:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	78.2		%	1	BHB0536	02/16/24	02/16/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **02/13/24 10:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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6855 W. 119th Ave.
Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
08/26/24 12:24

1-WH-N01@6'
2402259-08 (Soil)

Summit Scientific

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction


Specific Conductance (EC)	0.418	0.0100	mmhos/cm	1	BHB0664	02/21/24	02/25/24	EPA 120.1	I-02
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Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **02/13/24 10:15**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
pH	8.55			pH Units	1	BHB0662	02/21/24	02/25/24	EPA 9045D	I-02

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6855 W. 119th Ave.
Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
08/26/24 12:24

1-FL-B01@3'
2402259-11 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **02/13/24 10:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	0.0020		mg/kg	1	BHB0604	02/19/24	02/20/24	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: **02/13/24 10:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	0.0434	108 %		50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0378	94.4 %		50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0385	96.2 %		50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **02/13/24 10:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
C10-C28 (DRO)	ND	50		mg/kg	1	BHB0600	02/19/24	02/20/24	EPA 8015M	
C28-C36 (ORO)	ND	50		"	"	"	"	"	"	

Date Sampled: **02/13/24 10:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: o-Terphenyl	10.0	80.4 %		30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

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Tasman Geosciences
6855 W. 119th Ave.
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Project: Civitas - Salisbury 1,13-11,2-4-11,14-11
Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
08/26/24 12:24

1-FL-B01@3'
2402259-11 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **02/13/24 10:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.0500	mg/kg	10	BHB0626	02/20/24	02/21/24	EPA 8270D SIM	R-05
Anthracene	ND	0.0500	"	"	"	"	"	"	R-05
Benzo (a) anthracene	ND	0.0500	"	"	"	"	"	"	R-05
Benzo (a) pyrene	0.0724	0.0500	"	"	"	"	"	"	
Benzo (b) fluoranthene	0.0542	0.0500	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.0500	"	"	"	"	"	"	R-05
Chrysene	ND	0.0500	"	"	"	"	"	"	R-05
Dibenz (a,h) anthracene	ND	0.0500	"	"	"	"	"	"	R-05
Fluoranthene	0.0503	0.0500	"	"	"	"	"	"	
Fluorene	ND	0.0500	"	"	"	"	"	"	R-05
Indeno (1,2,3-cd) pyrene	0.0923	0.0500	"	"	"	"	"	"	
Pyrene	0.0855	0.0500	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.0500	"	"	"	"	"	"	R-05
2-Methylnaphthalene	ND	0.0500	"	"	"	"	"	"	R-05

Date Sampled: **02/13/24 10:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	-0.0353	%	40-150		"	"	"	"	S-01
Surrogate: Fluoranthene-d10	0.00766	23.0 %	40-150		"	"	"	"	S-01

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **02/13/24 10:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L	1	BHB0911	02/29/24	03/02/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **02/13/24 10:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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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.



Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
08/26/24 12:24

1-FL-B01@3'
2402259-11 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	3.89	0.200	mg/kg dry	1	BHC0571	03/16/24	03/22/24	EPA 6020B	
Barium	113	0.400	"	"	"	"	"	"	
Cadmium	0.471	0.200	"	"	"	"	"	"	
Copper	12.1	0.400	"	"	"	"	"	"	
Lead	32.2	0.200	"	"	"	"	"	"	
Nickel	7.35	0.400	"	"	"	"	"	"	
Silver	0.0565	0.0200	"	"	"	"	"	"	
Zinc	75.6	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **02/13/24 10:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	16.7	0.0500	mg/L dry	1	BHB0658	02/20/24	02/29/24	EPA 6020B	
Magnesium	2.70	0.0500	"	"	"	"	"	"	
Sodium	0.702	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **02/13/24 10:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.0420	0.00100	units	1	BHB0807	02/26/24	02/29/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **02/13/24 10:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	83.5		%	1	BHB0536	02/16/24	02/16/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **02/13/24 10:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Tasman Geosciences
 6855 W. 119th Ave.
 Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
 Project Manager: Sam Vogt

Reported:
 08/26/24 12:24

1-FL-B01@3'
2402259-11 (Soil)

Summit Scientific

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction


Specific Conductance (EC)	0.270	0.0100	mmhos/cm	1	BHB0664	02/21/24	02/25/24	EPA 120.1	I-02
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Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **02/13/24 10:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
pH	8.10			pH Units	1	BHB0662	02/21/24	02/25/24	EPA 9045D	I-02

Summit Scientific



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6855 W. 119th Ave.
Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
08/26/24 12:24

14-11-WH-B01@6'
2402259-12 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **02/13/24 10:35**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Benzene	ND	0.0020	mg/kg	1	BHB0604	02/19/24	02/20/24	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: **02/13/24 10:35**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Surrogate: 1,2-Dichloroethane-d4	0.0247	61.8 %	50-150	"	"	"	"	"	
Surrogate: Toluene-d8	0.0400	100 %	50-150	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0404	101 %	50-150	"	"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **02/13/24 10:35**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
C10-C28 (DRO)	ND	50	mg/kg	1	BHB0600	02/19/24	02/20/24	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **02/13/24 10:35**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Surrogate: o-Terphenyl	9.10	72.8 %	30-150	"	"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11
Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
08/26/24 12:24

14-11-WH-B01@6'
2402259-12 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **02/13/24 10:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BHB0626	02/20/24	02/21/24	EPA 8270D SIM	
Anthracene	ND	0.00500	"	"	"	"	"	"	"
Benzo (a) anthracene	ND	0.00500	"	"	"	"	"	"	"
Benzo (a) pyrene	0.0103	0.00500	"	"	"	"	"	"	"
Benzo (b) fluoranthene	0.0112	0.00500	"	"	"	"	"	"	"
Benzo (k) fluoranthene	0.00530	0.00500	"	"	"	"	"	"	"
Chrysene	0.00515	0.00500	"	"	"	"	"	"	"
Dibenz (a,h) anthracene	0.00915	0.00500	"	"	"	"	"	"	"
Fluoranthene	ND	0.00500	"	"	"	"	"	"	"
Fluorene	ND	0.00500	"	"	"	"	"	"	"
Indeno (1,2,3-cd) pyrene	0.0111	0.00500	"	"	"	"	"	"	"
Pyrene	0.00737	0.00500	"	"	"	"	"	"	"
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	"
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	"

Date Sampled: **02/13/24 10:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0177	53.1 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0162	48.7 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **02/13/24 10:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L	1	BHB0911	02/29/24	03/02/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **02/13/24 10:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
08/26/24 12:24

14-11-WH-B01@6'
2402259-12 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	3.50	0.200	mg/kg dry	1	BHC0571	03/16/24	03/22/24	EPA 6020B	
Barium	106	0.400	"	"	"	"	"	"	
Cadmium	0.455	0.200	"	"	"	"	"	"	
Copper	12.3	0.400	"	"	"	"	"	"	
Lead	59.5	0.200	"	"	"	"	"	"	
Nickel	7.49	0.400	"	"	"	"	"	"	
Silver	0.0569	0.0200	"	"	"	"	"	"	
Zinc	41.8	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **02/13/24 10:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	7.51	0.0500	mg/L dry	1	BHB0658	02/20/24	02/29/24	EPA 6020B	
Magnesium	1.18	0.0500	"	"	"	"	"	"	
Sodium	0.599	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **02/13/24 10:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.0536	0.00100	units	1	BHB0807	02/26/24	02/29/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **02/13/24 10:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	80.8		%	1	BHB0536	02/16/24	02/16/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **02/13/24 10:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
08/26/24 12:24

14-11-WH-B01@6'
2402259-12 (Soil)

Summit Scientific

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

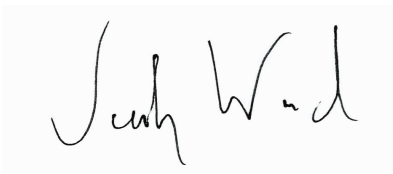
Specific Conductance (EC)	0.356	0.0100	mmhos/cm	1	BHB0664	02/21/24	02/25/24	EPA 120.1	I-02
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Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **02/13/24 10:35**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
pH	8.13			pH Units	1	BHB0662	02/21/24	02/25/24	EPA 9045D	I-02

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6855 W. 119th Ave.
Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
08/26/24 12:24

14-11-FL-B01@3'
2402259-13 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **02/13/24 10:55**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Benzene	ND	0.0020	mg/kg	1	BHB0604	02/19/24	02/20/24	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: **02/13/24 10:55**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Surrogate: 1,2-Dichloroethane-d4	0.0429	107 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0366	91.4 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0382	95.6 %	50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **02/13/24 10:55**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
C10-C28 (DRO)	ND	50	mg/kg	1	BHB0600	02/19/24	02/20/24	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **02/13/24 10:55**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Surrogate: o-Terphenyl	11.5	91.8 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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6855 W. 119th Ave.
Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11
Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
08/26/24 12:24

14-11-FL-B01@3'
2402259-13 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **02/13/24 10:55**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BHB0626	02/20/24	02/21/24	EPA 8270D SIM	
Anthracene	ND	0.00500	"	"	"	"	"	"	"
Benzo (a) anthracene	0.00607	0.00500	"	"	"	"	"	"	"
Benzo (a) pyrene	0.0102	0.00500	"	"	"	"	"	"	"
Benzo (b) fluoranthene	0.0107	0.00500	"	"	"	"	"	"	"
Benzo (k) fluoranthene	0.00513	0.00500	"	"	"	"	"	"	"
Chrysene	0.00748	0.00500	"	"	"	"	"	"	"
Dibenz (a,h) anthracene	ND	0.00500	"	"	"	"	"	"	"
Fluoranthene	0.00763	0.00500	"	"	"	"	"	"	"
Fluorene	ND	0.00500	"	"	"	"	"	"	"
Indeno (1,2,3-cd) pyrene	0.0124	0.00500	"	"	"	"	"	"	"
Pyrene	0.0219	0.00500	"	"	"	"	"	"	"
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	"
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	"

Date Sampled: **02/13/24 10:55**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0163	48.8 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0135	40.4 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **02/13/24 10:55**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L	1	BHB0911	02/29/24	03/02/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **02/13/24 10:55**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
08/26/24 12:24

14-11-FL-B01@3'
2402259-13 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	4.41	0.200	mg/kg dry	1	BHC0571	03/16/24	03/22/24	EPA 6020B	
Barium	129	0.400	"	"	"	"	"	"	
Cadmium	0.417	0.200	"	"	"	"	"	"	
Copper	44.4	0.400	"	"	"	"	"	"	
Lead	47.6	0.200	"	"	"	"	"	"	
Nickel	8.52	0.400	"	"	"	"	"	"	
Silver	0.0637	0.0200	"	"	"	"	"	"	
Zinc	40.7	0.400	"	"	"	"	"	"	
Selenium	0.274	0.260	"	"	"	"	"	"	

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **02/13/24 10:55**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	13.2	0.0500	mg/L dry	1	BHB0658	02/20/24	02/29/24	EPA 6020B	
Magnesium	3.06	0.0500	"	"	"	"	"	"	
Sodium	0.873	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **02/13/24 10:55**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.0563	0.00100	units	1	BHB0807	02/26/24	02/29/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **02/13/24 10:55**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	82.9		%	1	BHB0536	02/16/24	02/16/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **02/13/24 10:55**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Summit Scientific

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
08/26/24 12:24

14-11-FL-B01@3'
2402259-13 (Soil)

Summit Scientific

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

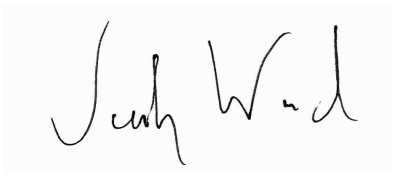
Specific Conductance (EC)	0.322	0.0100	mmhos/cm	1	BHB0664	02/21/24	02/25/24	EPA 120.1	I-02
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Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **02/13/24 10:55**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
pH	8.29			pH Units	1	BHB0662	02/21/24	02/25/24	EPA 9045D	I-02

Summit Scientific



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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
08/26/24 12:24

SP-CS01
2402259-14 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **02/13/24 11:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	0.0020		mg/kg	1	BHB0604	02/19/24	02/20/24	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: **02/13/24 11:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	0.0451	113 %		50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0372	93.0 %		50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0399	99.7 %		50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **02/13/24 11:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
C10-C28 (DRO)	ND	50		mg/kg	1	BHB0600	02/19/24	02/20/24	EPA 8015M	
C28-C36 (ORO)	ND	50		"	"	"	"	"	"	

Date Sampled: **02/13/24 11:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: o-Terphenyl	12.6	101 %		30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
08/26/24 12:24

SP-CS01
2402259-14 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **02/13/24 11:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.0500	mg/kg	10	BHB0626	02/20/24	02/21/24	EPA 8270D SIM	R-05
Anthracene	ND	0.0500	"	"	"	"	"	"	R-05
Benzo (a) anthracene	ND	0.0500	"	"	"	"	"	"	R-05
Benzo (a) pyrene	ND	0.0500	"	"	"	"	"	"	R-05
Benzo (b) fluoranthene	ND	0.0500	"	"	"	"	"	"	R-05
Benzo (k) fluoranthene	ND	0.0500	"	"	"	"	"	"	R-05
Chrysene	ND	0.0500	"	"	"	"	"	"	R-05
Dibenz (a,h) anthracene	ND	0.0500	"	"	"	"	"	"	R-05
Fluoranthene	ND	0.0500	"	"	"	"	"	"	R-05
Fluorene	ND	0.0500	"	"	"	"	"	"	R-05
Indeno (1,2,3-cd) pyrene	ND	0.0500	"	"	"	"	"	"	R-05
Pyrene	ND	0.0500	"	"	"	"	"	"	R-05
1-Methylnaphthalene	ND	0.0500	"	"	"	"	"	"	R-05
2-Methylnaphthalene	ND	0.0500	"	"	"	"	"	"	R-05

Date Sampled: **02/13/24 11:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	-0.0454	%	40-150		"	"	"	"	S-01
Surrogate: Fluoranthene-d10	0.00133	3.99 %	40-150		"	"	"	"	S-01

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **02/13/24 11:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L	1	BHB0911	02/29/24	03/02/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **02/13/24 11:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Summit Scientific

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
08/26/24 12:24

SP-CS01
2402259-14 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	3.09	0.200	mg/kg dry	1	BHC0571	03/16/24	03/22/24	EPA 6020B	
Barium	105	0.400	"	"	"	"	"	"	
Cadmium	0.205	0.200	"	"	"	"	"	"	
Copper	8.17	0.400	"	"	"	"	"	"	
Lead	29.8	0.200	"	"	"	"	"	"	
Nickel	6.23	0.400	"	"	"	"	"	"	
Silver	0.0494	0.0200	"	"	"	"	"	"	
Zinc	24.3	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **02/13/24 11:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	7.80	0.0500	mg/L dry	1	BHB0658	02/20/24	02/29/24	EPA 6020B	
Magnesium	1.62	0.0500	"	"	"	"	"	"	
Sodium	1.15	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **02/13/24 11:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.0979	0.00100	units	1	BHB0807	02/26/24	02/29/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **02/13/24 11:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	90.7		%	1	BHB0846	02/27/24	02/28/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **02/13/24 11:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Summit Scientific

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Tasman Geosciences
 6855 W. 119th Ave.
 Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
 Project Manager: Sam Vogt

Reported:
 08/26/24 12:24

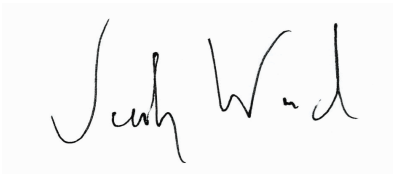
SP-CS01
2402259-14 (Soil)

Summit Scientific

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Specific Conductance (EC)	0.315	0.0100	mmhos/cm	1	BHB0664	02/21/24	02/25/24	EPA 120.1	I-02
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Summit Scientific



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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
08/26/24 12:24

SP-CS01
2402259-14RE1 (Soil)


Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **02/13/24 11:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
pH	9.02		pH Units	1	BHC0764	01/29/24	03/22/24	EPA 9045D	I-04

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6855 W. 119th Ave.
Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
08/26/24 12:24

SP-CS02
2402259-15 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **02/13/24 11:05**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	0.0020		mg/kg	1	BHB0604	02/19/24	02/20/24	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: **02/13/24 11:05**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	0.0421	105 %		50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0368	91.9 %		50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0392	98.0 %		50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **02/13/24 11:05**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
C10-C28 (DRO)	ND	50		mg/kg	1	BHB0600	02/19/24	02/20/24	EPA 8015M	
C28-C36 (ORO)	ND	50		"	"	"	"	"	"	

Date Sampled: **02/13/24 11:05**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: o-Terphenyl	10.2	81.4 %		30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
08/26/24 12:24

SP-CS02
2402259-15 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **02/13/24 11:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.0500	mg/kg	10	BHB0626	02/20/24	02/21/24	EPA 8270D SIM	R-05
Anthracene	ND	0.0500	"	"	"	"	"	"	R-05
Benzo (a) anthracene	ND	0.0500	"	"	"	"	"	"	R-05
Benzo (a) pyrene	ND	0.0500	"	"	"	"	"	"	R-05
Benzo (b) fluoranthene	ND	0.0500	"	"	"	"	"	"	R-05
Benzo (k) fluoranthene	ND	0.0500	"	"	"	"	"	"	R-05
Chrysene	ND	0.0500	"	"	"	"	"	"	R-05
Dibenz (a,h) anthracene	ND	0.0500	"	"	"	"	"	"	R-05
Fluoranthene	ND	0.0500	"	"	"	"	"	"	R-05
Fluorene	ND	0.0500	"	"	"	"	"	"	R-05
Indeno (1,2,3-cd) pyrene	ND	0.0500	"	"	"	"	"	"	R-05
Pyrene	ND	0.0500	"	"	"	"	"	"	R-05
1-Methylnaphthalene	ND	0.0500	"	"	"	"	"	"	R-05
2-Methylnaphthalene	ND	0.0500	"	"	"	"	"	"	R-05

Date Sampled: **02/13/24 11:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	-0.0369	%	40-150		"	"	"	"	S-01
Surrogate: Fluoranthene-d10	0.00495	14.9 %	40-150		"	"	"	"	S-01

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **02/13/24 11:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L	1	BHB0911	02/29/24	03/02/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **02/13/24 11:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Summit Scientific

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
08/26/24 12:24

SP-CS02
2402259-15 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	6.07	0.200	mg/kg dry	1	BHC0571	03/16/24	03/22/24	EPA 6020B	
Barium	250	0.400	"	"	"	"	"	"	
Cadmium	0.317	0.200	"	"	"	"	"	"	
Copper	11.6	0.400	"	"	"	"	"	"	
Lead	23.8	0.200	"	"	"	"	"	"	
Nickel	6.51	0.400	"	"	"	"	"	"	
Silver	0.0506	0.0200	"	"	"	"	"	"	
Zinc	31.4	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **02/13/24 11:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	7.86	0.0500	mg/L dry	1	BHB0658	02/20/24	02/29/24	EPA 6020B	
Magnesium	1.84	0.0500	"	"	"	"	"	"	
Sodium	0.822	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **02/13/24 11:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.0686	0.00100	units	1	BHB0807	02/26/24	02/29/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **02/13/24 11:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	87.7		%	1	BHB0846	02/27/24	02/28/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **02/13/24 11:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Summit Scientific

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Tasman Geosciences
 6855 W. 119th Ave.
 Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
 Project Manager: Sam Vogt

Reported:
 08/26/24 12:24

SP-CS02
2402259-15 (Soil)

Summit Scientific

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

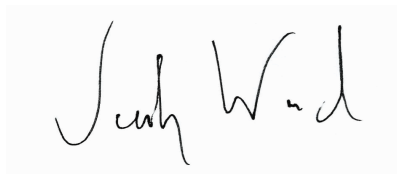
Specific Conductance (EC)	0.354	0.0100	mmhos/cm	1	BHB0664	02/21/24	02/25/24	EPA 120.1	I-02
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Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **02/13/24 11:05**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
pH	8.44			pH Units	1	BHB0662	02/21/24	02/25/24	EPA 9045D	I-02

Summit Scientific



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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
08/26/24 12:24

BG01@5'
2402259-18 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **02/13/24 11:20**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	ND	2.00	mg/L	1	BHB0911	02/29/24	03/02/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **02/13/24 11:20**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	4.04	0.200	mg/kg dry	1	BHC0571	03/16/24	03/22/24	EPA 6020B	
Barium	123	0.400	"	"	"	"	"	"	
Cadmium	0.265	0.200	"	"	"	"	"	"	
Copper	7.78	0.400	"	"	"	"	"	"	
Lead	12.5	0.200	"	"	"	"	"	"	
Nickel	8.13	0.400	"	"	"	"	"	"	
Silver	0.0543	0.0200	"	"	"	"	"	"	
Zinc	28.2	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **02/13/24 11:20**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	9.01	0.0500	mg/L dry	1	BHB0658	02/20/24	02/29/24	EPA 6020B	
Magnesium	2.70	0.0500	"	"	"	"	"	"	
Sodium	3.31	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **02/13/24 11:20**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Sodium Adsorption Ratio	0.248	0.00100	units	1	BHB0807	02/26/24	02/29/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Summit Scientific

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
08/26/24 12:24

BG01@5'
2402259-18 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **02/13/24 11:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	86.2		%	1	BHB0846	02/27/24	02/28/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **02/13/24 11:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.793	0.0100	mmhos/cm	1	BHB0664	02/21/24	02/25/24	EPA 120.1	I-02

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **02/13/24 11:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.59		pH Units	1	BHB0662	02/21/24	02/25/24	EPA 9045D	I-02

Summit Scientific

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6855 W. 119th Ave.
Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
08/26/24 12:24

BG01@6'
2402259-19 (Soil)

Summit Scientific

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **02/13/24 11:25**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Boron	ND	2.00	mg/L	1	BHB0911	02/29/24	03/02/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **02/13/24 11:25**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Arsenic	4.25	0.200	mg/kg dry	1	BHC0571	03/16/24	03/22/24	EPA 6020B	
Barium	109	0.400	"	"	"	"	"	"	
Cadmium	0.280	0.200	"	"	"	"	"	"	
Copper	7.97	0.400	"	"	"	"	"	"	
Lead	12.7	0.200	"	"	"	"	"	"	
Nickel	8.17	0.400	"	"	"	"	"	"	
Silver	0.0563	0.0200	"	"	"	"	"	"	
Zinc	28.8	0.400	"	"	"	"	"	"	
Selenium	ND	0.260	"	"	"	"	"	"	

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **02/13/24 11:25**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Calcium	7.39	0.0500	mg/L dry	1	BHB0658	02/20/24	02/29/24	EPA 6020B	
Magnesium	3.90	0.0500	"	"	"	"	"	"	
Sodium	5.31	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **02/13/24 11:25**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Sodium Adsorption Ratio	0.393	0.00100	units	1	BHB0807	02/26/24	02/29/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Summit Scientific

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
08/26/24 12:24

BG01@6'
2402259-19 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **02/13/24 11:25**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
% Solids	83.9			%	1	BHB0846	02/27/24	02/28/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **02/13/24 11:25**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Specific Conductance (EC)	0.995	0.0100		mmhos/cm	1	BHB0664	02/21/24	02/25/24	EPA 120.1	I-02

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **02/13/24 11:25**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
pH	8.36			pH Units	1	BHB0662	02/21/24	02/25/24	EPA 9045D	I-02

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
08/26/24 12:24

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 BHB0604 - EPA 5030 Soil MS

Blank (BHB0604-BLK1)

Prepared & Analyzed: 02/19/24

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	"							
<i>Surrogate: 1,2-Dichloroethane-d4</i>	0.0454		"	0.0400		113	50-150			
<i>Surrogate: Toluene-d8</i>	0.0364		"	0.0400		91.0	50-150			
<i>Surrogate: 4-Bromofluorobenzene</i>	0.0377		"	0.0400		94.2	50-150			

LCS (BHB0604-BS1)

Prepared: 02/19/24 Analyzed: 02/20/24

Benzene	0.0896	0.0020	mg/kg	0.100		89.6	70-130			
Toluene	0.106	0.0050	"	0.100		106	70-130			
Ethylbenzene	0.107	0.0050	"	0.100		107	70-130			
m,p-Xylene	0.218	0.010	"	0.200		109	70-130			
o-Xylene	0.108	0.0050	"	0.100		108	70-130			
1,2,4-Trimethylbenzene	0.102	0.0050	"	0.100		102	70-130			
1,3,5-Trimethylbenzene	0.102	0.0050	"	0.100		102	70-130			
Naphthalene	0.102	0.0038	"	0.100		102	70-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	0.0470		"	0.0400		118	50-150			
<i>Surrogate: Toluene-d8</i>	0.0367		"	0.0400		91.6	50-150			
<i>Surrogate: 4-Bromofluorobenzene</i>	0.0388		"	0.0400		97.0	50-150			

Matrix Spike (BHB0604-MS1)

Source: 2402238-21

Prepared: 02/19/24 Analyzed: 02/20/24

Benzene	0.0716	0.0020	mg/kg	0.100	ND	71.6	70-130			
Toluene	0.0999	0.0050	"	0.100	ND	99.9	70-130			
Ethylbenzene	0.0604	0.0050	"	0.100	ND	60.4	70-130			QM-05
m,p-Xylene	0.123	0.010	"	0.200	ND	61.6	70-130			QM-05
o-Xylene	0.0605	0.0050	"	0.100	ND	60.5	70-130			QM-05
1,2,4-Trimethylbenzene	0.0478	0.0050	"	0.100	ND	47.8	70-130			QM-05
1,3,5-Trimethylbenzene	0.0454	0.0050	"	0.100	ND	45.4	70-130			QM-05
Naphthalene	0.0547	0.0038	"	0.100	ND	54.7	70-130			QM-05
<i>Surrogate: 1,2-Dichloroethane-d4</i>	0.0470		"	0.0400		118	50-150			
<i>Surrogate: Toluene-d8</i>	0.0481		"	0.0400		120	50-150			
<i>Surrogate: 4-Bromofluorobenzene</i>	0.128		"	0.0400		319	50-150			S-02

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
08/26/24 12:24

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 BHB0604 - EPA 5030 Soil MS

Matrix Spike Dup (BHB0604-MSD1)	Source: 2402238-21			Prepared: 02/19/24 Analyzed: 02/20/24						
Benzene	0.0735	0.0020	mg/kg	0.100	ND	73.5	70-130	2.73	30	
Toluene	0.0993	0.0050	"	0.100	ND	99.3	70-130	0.602	30	
Ethylbenzene	0.0544	0.0050	"	0.100	ND	54.4	70-130	10.5	30	QM-05
m,p-Xylene	0.112	0.010	"	0.200	ND	55.8	70-130	9.89	30	QM-05
o-Xylene	0.0568	0.0050	"	0.100	ND	56.8	70-130	6.34	30	QM-05
1,2,4-Trimethylbenzene	0.0383	0.0050	"	0.100	ND	38.3	70-130	22.0	30	QM-05
1,3,5-Trimethylbenzene	0.0376	0.0050	"	0.100	ND	37.6	70-130	18.8	30	QM-05
Naphthalene	0.0438	0.0038	"	0.100	ND	43.8	70-130	22.0	30	QM-05
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0488</i>		<i>"</i>	<i>0.0400</i>		<i>122</i>	<i>50-150</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0475</i>		<i>"</i>	<i>0.0400</i>		<i>119</i>	<i>50-150</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.163</i>		<i>"</i>	<i>0.0400</i>		<i>407</i>	<i>50-150</i>			<i>S-02</i>

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Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
08/26/24 12:24

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 BHB0600 - EPA 3550A

Blank (BHB0600-BLK1)

Prepared & Analyzed: 02/19/24

C10-C28 (DRO)	ND	50	mg/kg								
C28-C36 (ORO)	ND	50	"								
Surrogate: <i>o</i> -Terphenyl	16.2		"	12.5		129		30-150			

LCS (BHB0600-BS1)

Prepared: 02/19/24 Analyzed: 02/20/24

C10-C28 (DRO)	554	50	mg/kg	500		111		70-130			
Surrogate: <i>o</i> -Terphenyl	15.5		"	12.5		124		30-150			

Matrix Spike (BHB0600-MS1)

Source: 2402238-21

Prepared: 02/19/24 Analyzed: 02/20/24

C10-C28 (DRO)	1040	50	mg/kg	500	555	96.1		70-130			
Surrogate: <i>o</i> -Terphenyl	13.5		"	12.5		108		30-150			

Matrix Spike Dup (BHB0600-MSD1)

Source: 2402238-21

Prepared: 02/19/24 Analyzed: 02/20/24

C10-C28 (DRO)	932	50	mg/kg	500	555	75.4		70-130	10.5	20	
Surrogate: <i>o</i> -Terphenyl	10.2		"	12.5		81.3		30-150			

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11
Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
08/26/24 12:24

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 BHB0626 - EPA 5030 Soil MS

Blank (BHB0626-BLK1)

Prepared & Analyzed: 02/20/24

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>0.0343</i>		<i>"</i>	<i>0.0333</i>		<i>103</i>	<i>40-150</i>			
<i>Surrogate: Fluoranthene-d10</i>	<i>0.0268</i>		<i>"</i>	<i>0.0333</i>		<i>80.4</i>	<i>40-150</i>			

LCS (BHB0626-BS1)

Prepared & Analyzed: 02/20/24

Acenaphthene	0.0267	0.00500	mg/kg	0.0333	80.2	31-137
Anthracene	0.0264	0.00500	"	0.0333	79.1	30-120
Benzo (a) anthracene	0.0275	0.00500	"	0.0333	82.5	30-120
Benzo (a) pyrene	0.0259	0.00500	"	0.0333	77.6	30-120
Benzo (b) fluoranthene	0.0255	0.00500	"	0.0333	76.6	30-120
Benzo (k) fluoranthene	0.0263	0.00500	"	0.0333	79.0	30-120
Chrysene	0.0273	0.00500	"	0.0333	81.8	30-120
Dibenz (a,h) anthracene	0.0229	0.00500	"	0.0333	68.8	30-120
Fluoranthene	0.0272	0.00500	"	0.0333	81.6	30-120
Fluorene	0.0274	0.00500	"	0.0333	82.3	30-120
Indeno (1,2,3-cd) pyrene	0.0237	0.00500	"	0.0333	71.0	30-120
Pyrene	0.0309	0.00500	"	0.0333	92.8	35-142
1-Methylnaphthalene	0.0251	0.00500	"	0.0333	75.3	35-142
2-Methylnaphthalene	0.0306	0.00500	"	0.0333	91.7	35-142
<i>Surrogate: 2-Methylnaphthalene-d10</i>	<i>0.0269</i>		<i>"</i>	<i>0.0333</i>	<i>80.6</i>	<i>40-150</i>
<i>Surrogate: Fluoranthene-d10</i>	<i>0.0279</i>		<i>"</i>	<i>0.0333</i>	<i>83.6</i>	<i>40-150</i>

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
08/26/24 12:24

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 BHB0626 - EPA 5030 Soil MS

Matrix Spike (BHB0626-MS1)

Source: 2402238-22

Prepared & Analyzed: 02/20/24

Acenaphthene	0.0206	0.00500	mg/kg	0.0333	ND	61.7	31-137			
Anthracene	0.0215	0.00500	"	0.0333	ND	64.6	30-120			
Benzo (a) anthracene	0.0239	0.00500	"	0.0333	ND	71.8	30-120			
Benzo (a) pyrene	0.0226	0.00500	"	0.0333	ND	67.7	30-120			
Benzo (b) fluoranthene	0.0201	0.00500	"	0.0333	ND	60.2	30-120			
Benzo (k) fluoranthene	0.0192	0.00500	"	0.0333	ND	57.5	30-120			
Chrysene	0.0211	0.00500	"	0.0333	ND	63.4	30-120			
Dibenz (a,h) anthracene	0.0225	0.00500	"	0.0333	ND	67.4	30-120			
Fluoranthene	0.0215	0.00500	"	0.0333	ND	64.4	30-120			
Fluorene	0.0213	0.00500	"	0.0333	ND	64.0	30-120			
Indeno (1,2,3-cd) pyrene	0.0222	0.00500	"	0.0333	ND	66.6	30-120			
Pyrene	0.0255	0.00500	"	0.0333	ND	76.6	35-142			
1-Methylnaphthalene	0.0161	0.00500	"	0.0333	ND	48.3	15-130			
2-Methylnaphthalene	0.0214	0.00500	"	0.0333	ND	64.2	15-130			
Surrogate: 2-Methylnaphthalene-d10	0.0177		"	0.0333		53.1	40-150			
Surrogate: Fluoranthene-d10	0.0226		"	0.0333		67.8	40-150			

Matrix Spike Dup (BHB0626-MSD1)

Source: 2402238-22

Prepared & Analyzed: 02/20/24

Acenaphthene	0.0208	0.00500	mg/kg	0.0333	ND	62.3	31-137	0.954	30	
Anthracene	0.0211	0.00500	"	0.0333	ND	63.4	30-120	1.89	30	
Benzo (a) anthracene	0.0237	0.00500	"	0.0333	ND	71.0	30-120	1.10	30	
Benzo (a) pyrene	0.0228	0.00500	"	0.0333	ND	68.5	30-120	1.15	30	
Benzo (b) fluoranthene	0.0206	0.00500	"	0.0333	ND	61.7	30-120	2.43	30	
Benzo (k) fluoranthene	0.0191	0.00500	"	0.0333	ND	57.2	30-120	0.593	30	
Chrysene	0.0208	0.00500	"	0.0333	ND	62.3	30-120	1.79	30	
Dibenz (a,h) anthracene	0.0240	0.00500	"	0.0333	ND	72.0	30-120	6.62	30	
Fluoranthene	0.0208	0.00500	"	0.0333	ND	62.4	30-120	3.15	30	
Fluorene	0.0211	0.00500	"	0.0333	ND	63.3	30-120	1.10	30	
Indeno (1,2,3-cd) pyrene	0.0243	0.00500	"	0.0333	ND	73.0	30-120	9.08	30	
Pyrene	0.0247	0.00500	"	0.0333	ND	74.2	35-142	3.16	30	
1-Methylnaphthalene	0.0193	0.00500	"	0.0333	ND	57.8	15-130	18.0	50	
2-Methylnaphthalene	0.0232	0.00500	"	0.0333	ND	69.7	15-130	8.20	50	
Surrogate: 2-Methylnaphthalene-d10	0.0211		"	0.0333		63.4	40-150			
Surrogate: Fluoranthene-d10	0.0220		"	0.0333		65.9	40-150			

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
08/26/24 12:24

Total Metals by EPA 6020B Hot Water Soluble Extraction - Quality Control
Summit Scientific

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

Batch BHB0911 - EPA 3050B

Blank (BHB0911-BLK1)

Prepared: 02/29/24 Analyzed: 03/02/24

Boron ND 2.00 mg/L

LCS (BHB0911-BS1)

Prepared: 02/29/24 Analyzed: 03/02/24

Boron 5.07 2.00 mg/L 5.00 101 80-120

Duplicate (BHB0911-DUP1)

Source: 2402250-01

Prepared: 02/29/24 Analyzed: 03/02/24

Boron 0.290 2.00 mg/L 0.303 4.44 20

Matrix Spike (BHB0911-MS1)

Source: 2402250-01

Prepared: 02/29/24 Analyzed: 03/02/24

Boron 5.02 2.00 mg/L 5.00 0.303 94.4 75-125

Matrix Spike Dup (BHB0911-MSD1)

Source: 2402250-01

Prepared: 02/29/24 Analyzed: 03/02/24

Boron 5.25 2.00 mg/L 5.00 0.303 98.9 75-125 4.40 25

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Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
08/26/24 12:24

Total Metals by EPA 6020B - Quality Control
Summit Scientific

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

Batch BHC0571 - EPA 3050B

Blank (BHC0571-BLK1)

Prepared: 03/16/24 Analyzed: 03/22/24

Arsenic	ND	0.200	mg/kg wet						
Barium	ND	0.400	"						
Cadmium	ND	0.200	"						
Copper	ND	0.400	"						
Lead	ND	0.200	"						
Nickel	ND	0.400	"						
Silver	ND	0.0200	"						
Zinc	ND	0.400	"						
Selenium	ND	0.260	"						

LCS (BHC0571-BS1)

Prepared: 03/16/24 Analyzed: 03/22/24

Arsenic	40.8	0.200	mg/kg wet	40.0	102	80-120
Barium	40.1	0.400	"	40.0	100	80-120
Cadmium	1.94	0.200	"	2.00	97.1	80-120
Copper	40.2	0.400	"	40.0	101	80-120
Lead	19.4	0.200	"	20.0	96.9	80-120
Nickel	40.1	0.400	"	40.0	100	80-120
Silver	1.96	0.0200	"	2.00	97.9	80-120
Zinc	40.7	0.400	"	40.0	102	80-120
Selenium	4.26	0.260	"	4.00	107	80-120

Duplicate (BHC0571-DUP1)

Source: 2402259-01

Prepared: 03/16/24 Analyzed: 03/22/24

Arsenic	2.92	0.200	mg/kg dry	2.58	12.2	20	
Barium	126	0.400	"	85.3	38.5	20	QR-04
Cadmium	0.254	0.200	"	0.206	21.1	20	QR-04
Copper	11.2	0.400	"	7.95	33.8	20	QR-04
Lead	16.1	0.200	"	12.2	27.7	20	QR-04
Nickel	5.86	0.400	"	5.39	8.38	20	
Silver	0.0523	0.0200	"	0.0425	20.7	20	QR-04
Zinc	27.8	0.400	"	24.4	12.7	20	
Selenium	0.180	0.260	"	ND	200	20	QR-04

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
08/26/24 12:24

Total Metals by EPA 6020B - Quality Control
Summit Scientific

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

Batch BHC0571 - EPA 3050B

Matrix Spike (BHC0571-MS1)

Source: 2402259-01

Prepared: 03/16/24 Analyzed: 03/22/24

Arsenic	48.7	0.200	mg/kg dry	46.7	2.58	98.9	75-125			
Barium	154	0.400	"	46.7	85.3	147	75-125			QM-05
Cadmium	2.48	0.200	"	2.33	0.206	97.7	75-125			
Copper	37.3	0.400	"	46.7	7.95	62.9	75-125			QM-05
Lead	40.9	0.200	"	23.3	12.2	123	75-125			
Nickel	33.5	0.400	"	46.7	5.39	60.2	75-125			QM-05
Silver	2.28	0.0200	"	2.33	0.0425	95.9	75-125			
Zinc	62.0	0.400	"	46.7	24.4	80.5	75-125			
Selenium	4.58	0.260	"	4.67	ND	98.2	75-125			

Matrix Spike Dup (BHC0571-MSD1)

Source: 2402259-01

Prepared: 03/16/24 Analyzed: 03/22/24

Arsenic	48.6	0.200	mg/kg dry	46.7	2.58	98.7	75-125	0.213	25	
Barium	152	0.400	"	46.7	85.3	144	75-125	0.842	25	QM-05
Cadmium	2.49	0.200	"	2.33	0.206	98.0	75-125	0.319	25	
Copper	37.8	0.400	"	46.7	7.95	64.0	75-125	1.32	25	QM-05
Lead	40.7	0.200	"	23.3	12.2	122	75-125	0.439	25	
Nickel	33.9	0.400	"	46.7	5.39	61.0	75-125	1.18	25	QM-05
Silver	2.29	0.0200	"	2.33	0.0425	96.4	75-125	0.470	25	
Zinc	63.2	0.400	"	46.7	24.4	83.1	75-125	1.91	25	
Selenium	4.50	0.260	"	4.67	ND	96.4	75-125	1.93	25	

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.



Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
08/26/24 12:24

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction - Quality Control

Summit Scientific

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

Batch BHB0658 - General Preparation

Blank (BHB0658-BLK1)

Prepared: 02/20/24 Analyzed: 02/29/24

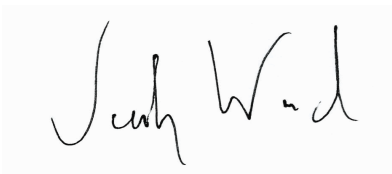
Calcium	ND	0.0500	mg/L wet							
Magnesium	ND	0.0500	"							
Sodium	ND	0.0500	"							

LCS (BHB0658-BS1)

Prepared: 02/20/24 Analyzed: 02/29/24

Calcium	5.08	0.0500	mg/L wet	5.00	102	70-130				
Magnesium	5.16	0.0500	"	5.00	103	70-130				
Sodium	5.11	0.0500	"	5.00	102	70-130				

Summit Scientific



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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
08/26/24 12:24

Physical Parameters by APHA/ASTM/EPA Methods - Quality Control
Summit Scientific

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

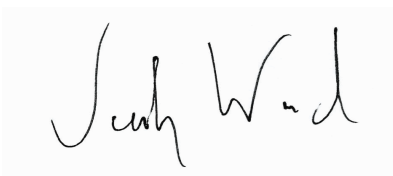
Batch BHB0536 - General Preparation

Duplicate (BHB0536-DUP1)		Source: 2402062-04			Prepared & Analyzed: 02/16/24			
% Solids	86.6		%		86.3		0.266	20

Batch BHB0846 - General Preparation

Duplicate (BHB0846-DUP1)		Source: 2402251-02			Prepared: 02/27/24 Analyzed: 02/28/24			
% Solids	93.2		%		94.8		1.68	20

Summit Scientific



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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
08/26/24 12:24

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction - Quality Control
Summit Scientific

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

Batch BHB0664 - General Preparation

Blank (BHB0664-BLK1)

Prepared: 02/21/24 Analyzed: 02/25/24

Specific Conductance (EC) ND 0.0100 mmhos/cm

LCS (BHB0664-BS1)

Prepared: 02/21/24 Analyzed: 02/25/24

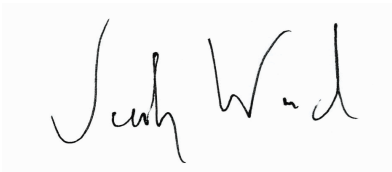
Specific Conductance (EC) 0.146 0.0100 mmhos/cm 0.150 97.5 95-105

Duplicate (BHB0664-DUP1)

Source: 2401452-03RE1 Prepared: 02/21/24 Analyzed: 02/25/24

Specific Conductance (EC) 5.20 0.0100 mmhos/cm 5.21 0.173 20

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
08/26/24 12:24

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction - Quality Control

Summit Scientific

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

Batch BHB0662 - General Preparation

LCS (BHB0662-BS1)

Prepared: 02/21/24 Analyzed: 02/25/24

pH	9.09		pH Units	9.18		99.0	95-105			
----	------	--	----------	------	--	------	--------	--	--	--

Duplicate (BHB0662-DUP1)

Source: 2401452-02RE1

Prepared: 02/21/24 Analyzed: 02/25/24

pH	9.04		pH Units		9.01			0.332	20	
----	------	--	----------	--	------	--	--	-------	----	--

Batch BHC0764 - General Preparation

LCS (BHC0764-BS1)

Prepared: 03/20/24 Analyzed: 03/22/24

pH	8.92		pH Units	9.18		97.2	95-105			
----	------	--	----------	------	--	------	--------	--	--	--

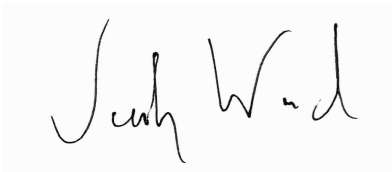
Duplicate (BHC0764-DUP1)

Source: 2401498-01RE1

Prepared: 03/20/24 Analyzed: 03/22/24

pH	8.90		pH Units		8.95			0.560	20	
----	------	--	----------	--	------	--	--	-------	----	--

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
08/26/24 12:24

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.
- S-01 The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference.
- R-05 The reporting limit for this sample has been raised due to the presence of high levels of non-target analytes.
- QR-04 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
- QM-05 The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The associated LCS and/or LCSD were within acceptance limits, therefore the data are considered valid.
- I-04 Sample was prepared out of holding time per client request.
- I-02 Sample was prepared outside of holding time.
- 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

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

May 13, 2024

Sam Vogt

Tasman Geosciences

6855 W. 119th Ave.

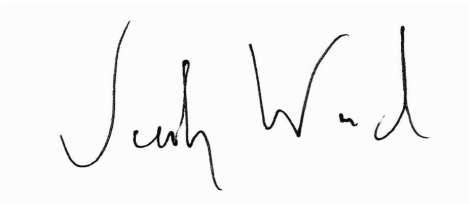
Broomfield, CO 80020

RE: Civitas - Salisbury 1,13-11,2-4-11,14-11

Work Order #2404090

Enclosed are the results of analyses for samples received by Summit Scientific on 04/04/24 17:06. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Jacob Wood". The signature is written in a cursive style with a large initial "J" and a long horizontal stroke at the end.

Jacob Wood For Paul Shrewsbury

President



Tasman Geosciences
 6855 W. 119th Ave.
 Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
 Project Manager: Sam Vogt

Reported:
 05/13/24 15:34

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
13-11-WH-B01@7'	2404090-01	Soil	04/04/24 14:25	04/04/24 17:06
13-11-WH-N01@6'	2404090-02	Soil	04/04/24 14:27	04/04/24 17:06
13-11-WH-S01@6'	2404090-03	Soil	04/04/24 14:29	04/04/24 17:06
13-11-WH-E01@6'	2404090-04	Soil	04/04/24 14:30	04/04/24 17:06
13-11-WH-W01@6'	2404090-05	Soil	04/04/24 14:32	04/04/24 17:06
SP-CS03	2404090-06	Soil	04/04/24 14:34	04/04/24 17:06
13-11-FL-B01@4'	2404090-07	Soil	04/04/24 14:36	04/04/24 17:06
SEP-B01@4'	2404090-08	Soil	04/04/24 14:38	04/04/24 17:06
SEP-B02@3'	2404090-09	Soil	04/04/24 14:40	04/04/24 17:06
SEP-B03@3'	2404090-10	Soil	04/04/24 14:42	04/04/24 17:06
SP-CS04	2404090-11	Soil	04/04/24 14:44	04/04/24 17:06
FL-B01@3'	2404090-12	Soil	04/04/24 14:46	04/04/24 17:06
FL-B02@3'	2404090-13	Soil	04/04/24 14:48	04/04/24 17:06
AST-B01@3'	2404090-14	Soil	04/04/24 14:54	04/04/24 17:06
WH-GW01	2404090-15	Water	04/04/24 14:15	04/04/24 17:06

Summit Scientific

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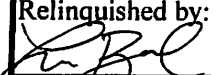

SS

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

Lab ID
2404090
Page 1 of 1

Client: Civitas / Tasman		Project Manager: Sam Vogt / Jacob Evans		Send Invoice To:	
Address: 6855 W. 119th Ave.		E-Mail: Svogt@tasman-geo.com		Company: Civitas	
City/State/Zip: Broomfield, CO 80020		Jevans@civitasresources.com		Project Name/Location:	
Phone: PM Phone # - (610)-405-9078		Project Name: <u>Salisbury 1, 13-11, 2-4-11, 14-11</u>		AFE#: 23024, 23025, 23361, 23026	
Sampler Name: <u>Lennon Baku, Angela King, Ben Long</u>		Project Number:		PO/Billing Codes: 8523.198	
				Contact:	

ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative				Matrix		Air-Canister #	Other	Analysis Requested						Special Instructions	
					HCl	HNO3	None	Other	Water	Soil			BTEXN	1,2,4 + 1,3,5 TMB's	TPH(GRO,DRO,ORO)	CB TDS, Cl, SO4	pH, EC, SAR	Boron		Metals
1	13-11-WH-B01@7'	4/4/24	14:25	2			2			X										X
2	13-11-WH-N01@6'		14:27																	
3	13-11-WH-S01@6'		14:29																	
4	13-11-WH-E01@6'		14:30																	
5	13-11-WH-W01@6'		14:32																	
6	SP-CS03		14:34																	
7	13-11-FL-B01@4'		14:36																	
8	SEP-B01@4'		14:38																	
9	SEP-B02@3'		14:40																	
10	SEP-B03@3"		14:42																	
11	SP-CS04		14:44																	
12	FL-B01@3'		14:46																	
13	FL-B02@3'		14:48																	
14	AST-B01@3"		14:54	↓																↓
15	WH-CW01	↓	14:25	4	3				X				X	X		X				

Relinquished by: 	Date/Time: 4/4/24 / 17:30	Received by: <u>Tasman Lockbox</u>	Date/Time: 4/4/24 / 17:30	TAT Business Days	Field DO	Notes:
Relinquished by: <u>Tasman Lockbox</u>	Date/Time: 4/4/24 / 17:00	Received by: 	Date/Time: 4/4/24 / 17:00	Same Day	Field EC	
Relinquished by:	Date/Time:	Received by:	Date/Time:	1 Day	Field ORP	
Relinquished by:	Date/Time:	Received by:	Date/Time:	2 Days	Field pH	
Relinquished by:	Date/Time:	Received by:	Date/Time:	3 Days	Field Temp.	
Temperature Upon Receipt: <u>8.8</u>	Corrected Temperature: <u>8</u>	IR gun #:		Standard	X	Field Turb.
					X	HNO3 lot #:

S₂

Sample Receipt Checklist

S2 Work Order# 2404090

Client: Cumtast Tasman

Client Project ID: Salisbury 1, 13-11, 2-4-11, 1411

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

Airbill #: _____

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
--------------------------	-------------------------------------	--------------------------	--------------------------	--------------------------

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"/>	
If custody seals are present, are they intact? ⁽¹⁾	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	OK/ICE
Are samples due within 48 hours present?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
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"/>	
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 checked="" type="checkbox"/>	<input 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	HCl
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.

AS

Custodian Printed Name

4/4/24
Date/Time



Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
05/13/24 15:34

13-11-WH-B01@7'
2404090-01 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/04/24 14:25**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	0.015	0.0020		mg/kg	1	BHD0224	04/08/24	04/09/24	EPA 8260B	
Toluene	ND	0.0050		"	"	"	"	"	"	
Ethylbenzene	0.019	0.0050		"	"	"	"	"	"	
Xylenes (total)	0.11	0.010		"	"	"	"	"	"	
1,2,4-Trimethylbenzene	0.023	0.0050		"	"	"	"	"	"	
1,3,5-Trimethylbenzene	0.038	0.0050		"	"	"	"	"	"	
Naphthalene	ND	0.0038		"	"	"	"	"	"	
Gasoline Range Hydrocarbons	5.4	0.50		"	"	"	"	"	"	

Date Sampled: **04/04/24 14:25**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	0.0357	89.2 %		50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0396	99.0 %		50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0514	128 %		50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **04/04/24 14:25**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
C10-C28 (DRO)	ND	50		mg/kg	1	BHD0228	04/08/24	04/08/24	EPA 8015M	
C28-C36 (ORO)	ND	50		"	"	"	"	"	"	

Date Sampled: **04/04/24 14:25**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: o-Terphenyl	6.70	53.6 %		30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11
Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
05/13/24 15:34

13-11-WH-B01@7'
2404090-01 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **04/04/24 14:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BHD0208	04/08/24	04/09/24	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	0.00517	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	0.00582	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	0.0125	0.00500	"	"	"	"	"	"	

Date Sampled: **04/04/24 14:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0179	53.7 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0237	71.2 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **04/04/24 14:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L	1	BHD0270	04/09/24	04/27/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **04/04/24 14:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Summit Scientific

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
05/13/24 15:34

13-11-WH-B01@7'
2404090-01 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Arsenic	3.25	0.200	mg/kg dry	1	BHD0814	04/23/24	05/07/24	EPA 6020B
Barium	111	0.400	"	"	"	"	"	"
Cadmium	0.348	0.200	"	"	"	"	"	"
Copper	7.74	0.400	"	"	"	"	"	"
Lead	10.4	0.200	"	"	"	"	"	"
Nickel	5.88	0.400	"	"	"	"	"	"
Silver	0.0465	0.0200	"	"	"	"	"	"
Zinc	23.7	0.400	"	"	"	"	"	"
Selenium	ND	0.260	"	"	"	"	"	"

Hexavalent Chromium by EPA Method 7196

Date Sampled: **04/04/24 14:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHD0561	04/17/24	04/18/24	EPA 7196A	

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **04/04/24 14:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	34.6	0.0500	mg/L dry	1	BHD0771	04/22/24	05/11/24	EPA 6020B	
Magnesium	10.1	0.0500	"	"	"	"	"	"	
Sodium	60.7	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **04/04/24 14:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	2.33	0.00100	units	1	BHE0398	05/13/24	05/13/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **04/04/24 14:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Summit Scientific

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
05/13/24 15:34

13-11-WH-B01@7'
2404090-01 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

% Solids	79.0	%	1	BHD0427	04/15/24	04/17/24	Calculation
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Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **04/04/24 14:25**


Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.534	0.0100	mmhos/cm	1	BHD0772	04/22/24	04/24/24	EPA 120.1	

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **04/04/24 14:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.33		pH Units	1	BHD0773	04/22/24	04/24/24	EPA 9045D	

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6855 W. 119th Ave.
Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
05/13/24 15:34

13-11-WH-N01@6'
2404090-02 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/04/24 14:27**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BHD0224	04/08/24	04/09/24	EPA 8260B	
Toluene	0.016	0.0050	"	"	"	"	"	"	
Ethylbenzene	0.015	0.0050	"	"	"	"	"	"	
Xylenes (total)	0.039	0.010	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	0.0055	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	0.0097	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	2.0	0.50	"	"	"	"	"	"	

Date Sampled: **04/04/24 14:27**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	0.0355	88.7 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0401	100 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0393	98.2 %	50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **04/04/24 14:27**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BHD0228	04/08/24	04/08/24	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **04/04/24 14:27**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl	7.52	60.2 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

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Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
05/13/24 15:34

13-11-WH-N01@6'
2404090-02 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **04/04/24 14:27**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BHD0208	04/08/24	04/09/24	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	0.00687	0.00500	"	"	"	"	"	"	

Date Sampled: **04/04/24 14:27**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0206	61.7 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0253	75.8 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **04/04/24 14:27**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L	1	BHD0270	04/09/24	04/27/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **04/04/24 14:27**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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6855 W. 119th Ave.
Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
05/13/24 15:34

13-11-WH-N01@6'
2404090-02 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Arsenic	4.59	0.200	mg/kg dry	1	BHD0814	04/23/24	05/07/24	EPA 6020B
Barium	138	0.400	"	"	"	"	"	"
Cadmium	0.338	0.200	"	"	"	"	"	"
Copper	6.94	0.400	"	"	"	"	"	"
Lead	12.1	0.200	"	"	"	"	"	"
Nickel	7.15	0.400	"	"	"	"	"	"
Silver	0.0661	0.0200	"	"	"	"	"	"
Zinc	24.5	0.400	"	"	"	"	"	"
Selenium	ND	0.260	"	"	"	"	"	"

Hexavalent Chromium by EPA Method 7196

Date Sampled: **04/04/24 14:27**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHD0561	04/17/24	04/18/24	EPA 7196A	

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **04/04/24 14:27**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	24.2	0.0500	mg/L dry	1	BHD0771	04/22/24	05/11/24	EPA 6020B	
Magnesium	7.25	0.0500	"	"	"	"	"	"	
Sodium	38.7	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **04/04/24 14:27**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	1.77	0.00100	units	1	BHE0398	05/13/24	05/13/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **04/04/24 14:27**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11
Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
05/13/24 15:34

13-11-WH-N01@6'
2404090-02 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

% Solids	80.7	%	1	BHD0427	04/15/24	04/17/24	Calculation
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Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **04/04/24 14:27**

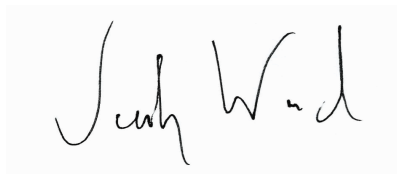
Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.281	0.0100	mmhos/cm	1	BHD0772	04/22/24	04/24/24	EPA 120.1	

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **04/04/24 14:27**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	9.06		pH Units	1	BHD0773	04/22/24	04/24/24	EPA 9045D	

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Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
05/13/24 15:34

13-11-WH-S01@6'
2404090-03 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/04/24 14:29**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BHD0224	04/08/24	04/09/24	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	0.023	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	0.094	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	0.031	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	36	0.50	"	"	"	"	"	"	

Date Sampled: **04/04/24 14:29**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	0.0336	84.0 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0359	89.7 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.129	322 %	50-150		"	"	"	"	S-02

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **04/04/24 14:29**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BHD0228	04/08/24	04/08/24	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **04/04/24 14:29**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl	8.46	67.7 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

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Project: Civitas - Salisbury 1,13-11,2-4-11,14-11
Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
05/13/24 15:34

13-11-WH-S01@6'
2404090-03 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **04/04/24 14:29**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BHD0208	04/08/24	04/09/24	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	0.00510	0.00500	"	"	"	"	"	"	
Fluorene	ND	0.00500	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.00500	"	"	"	"	"	"	
Pyrene	0.00648	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **04/04/24 14:29**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0259	77.7 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0316	94.7 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **04/04/24 14:29**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L	1	BHD0270	04/09/24	04/27/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **04/04/24 14:29**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
05/13/24 15:34

13-11-WH-S01@6'
2404090-03 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Arsenic	5.93	0.200	mg/kg dry	1	BHD0814	04/23/24	05/07/24	EPA 6020B
Barium	172	0.400	"	"	"	"	"	"
Cadmium	0.374	0.200	"	"	"	"	"	"
Copper	7.78	0.400	"	"	"	"	"	"
Lead	12.3	0.200	"	"	"	"	"	"
Nickel	8.24	0.400	"	"	"	"	"	"
Silver	0.0810	0.0200	"	"	"	"	"	"
Zinc	26.9	0.400	"	"	"	"	"	"
Selenium	ND	0.260	"	"	"	"	"	"

Hexavalent Chromium by EPA Method 7196

Date Sampled: **04/04/24 14:29**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHD0561	04/17/24	04/18/24	EPA 7196A	

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **04/04/24 14:29**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	49.1	0.0500	mg/L dry	1	BHD0771	04/22/24	05/11/24	EPA 6020B	
Magnesium	21.2	0.0500	"	"	"	"	"	"	
Sodium	31.5	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **04/04/24 14:29**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.946	0.00100	units	1	BHE0398	05/13/24	05/13/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **04/04/24 14:29**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
05/13/24 15:34

13-11-WH-S01@6'
2404090-03 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

% Solids	78.4	%	1	BHD0427	04/15/24	04/17/24	Calculation
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Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **04/04/24 14:29**


Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.492	0.0100	mmhos/cm	1	BHD0772	04/22/24	04/24/24	EPA 120.1	

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **04/04/24 14:29**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	7.57		pH Units	1	BHD0773	04/22/24	04/24/24	EPA 9045D	

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Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
05/13/24 15:34

13-11-WH-E01@6'
2404090-04 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/04/24 14:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	0.0020		mg/kg	1	BHD0224	04/08/24	04/10/24	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	2.1	0.50		"	"	"	"	"	"	

Date Sampled: **04/04/24 14:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	0.0330	82.4 %		50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0412	103 %		50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0478	119 %		50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **04/04/24 14:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
C10-C28 (DRO)	ND	50		mg/kg	1	BHD0228	04/08/24	04/08/24	EPA 8015M	
C28-C36 (ORO)	ND	50		"	"	"	"	"	"	

Date Sampled: **04/04/24 14:30**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: o-Terphenyl	6.83	54.6 %		30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
05/13/24 15:34

13-11-WH-E01@6'
2404090-04 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **04/04/24 14:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BHD0208	04/08/24	04/09/24	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: **04/04/24 14:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0246	73.7 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0231	69.3 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **04/04/24 14:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L	1	BHD0270	04/09/24	04/27/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **04/04/24 14:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
05/13/24 15:34

13-11-WH-E01@6'
2404090-04 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Arsenic	4.63	0.200	mg/kg dry	1	BHD0814	04/23/24	05/07/24	EPA 6020B
Barium	157	0.400	"	"	"	"	"	"
Cadmium	0.316	0.200	"	"	"	"	"	"
Copper	8.43	0.400	"	"	"	"	"	"
Lead	12.9	0.200	"	"	"	"	"	"
Nickel	7.55	0.400	"	"	"	"	"	"
Silver	0.0632	0.0200	"	"	"	"	"	"
Zinc	25.0	0.400	"	"	"	"	"	"
Selenium	ND	0.260	"	"	"	"	"	"

Hexavalent Chromium by EPA Method 7196

Date Sampled: **04/04/24 14:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHD0561	04/17/24	04/18/24	EPA 7196A	

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **04/04/24 14:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	248	0.0500	mg/L dry	1	BHD0771	04/22/24	05/11/24	EPA 6020B	
Magnesium	59.9	0.0500	"	"	"	"	"	"	
Sodium	93.7	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **04/04/24 14:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	1.39	0.00100	units	1	BHE0398	05/13/24	05/13/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **04/04/24 14:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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6855 W. 119th Ave.
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Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
05/13/24 15:34

13-11-WH-E01@6'
2404090-04 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

% Solids	80.3	%	1	BHD0427	04/15/24	04/17/24	Calculation
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Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **04/04/24 14:30**


Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.354	0.0100	mmhos/cm	1	BHD0772	04/22/24	04/24/24	EPA 120.1	

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **04/04/24 14:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	9.85		pH Units	1	BHD0773	04/22/24	04/24/24	EPA 9045D	

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Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
05/13/24 15:34

13-11-WH-W01@6'
2404090-05 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/04/24 14:32**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	0.54	0.0020	mg/kg	1	BHD0224	04/08/24	04/10/24	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	0.62	0.0050	"	"	"	"	"	"	
Xylenes (total)	8.2	0.010	"	"	"	"	04/10/24	"	
1,2,4-Trimethylbenzene	2.8	0.050	"	10	"	"	"	"	
1,3,5-Trimethylbenzene	1.3	0.050	"	"	"	"	"	"	
Naphthalene	0.046	0.0038	"	1	"	"	04/10/24	"	
Gasoline Range Hydrocarbons	310	5.0	"	10	"	"	04/10/24	"	

Date Sampled: **04/04/24 14:32**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>	0.0588	147 %	50-150		"	"	04/10/24	"	
<i>Surrogate: Toluene-d8</i>	0.0355	88.6 %	50-150		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	0.155	387 %	50-150		"	"	"	"	S-02

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **04/04/24 14:32**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BHD0228	04/08/24	04/08/24	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **04/04/24 14:32**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: o-Terphenyl</i>	8.84	70.7 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

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Project: Civitas - Salisbury 1,13-11,2-4-11,14-11
Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
05/13/24 15:34

13-11-WH-W01@6'
2404090-05 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **04/04/24 14:32**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	0.00949	0.00500	mg/kg	1	BHD0208	04/08/24	04/09/24	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	0.0222	0.00500	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.00500	"	"	"	"	"	"	
Pyrene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	0.129	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	0.533	0.00500	"	"	"	"	"	"	E

Date Sampled: **04/04/24 14:32**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0184	55.1 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0313	94.0 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **04/04/24 14:32**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L	1	BHD0270	04/09/24	04/27/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **04/04/24 14:32**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
05/13/24 15:34

13-11-WH-W01@6'
2404090-05 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Arsenic	4.25	0.200	mg/kg dry	1	BHD0814	04/23/24	05/07/24	EPA 6020B
Barium	123	0.400	"	"	"	"	"	"
Cadmium	0.305	0.200	"	"	"	"	"	"
Copper	6.53	0.400	"	"	"	"	"	"
Lead	10.4	0.200	"	"	"	"	"	"
Nickel	6.98	0.400	"	"	"	"	"	"
Silver	0.0537	0.0200	"	"	"	"	"	"
Zinc	23.8	0.400	"	"	"	"	"	"
Selenium	ND	0.260	"	"	"	"	"	"

Hexavalent Chromium by EPA Method 7196

Date Sampled: **04/04/24 14:32**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHD0561	04/17/24	04/18/24	EPA 7196A	

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **04/04/24 14:32**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	41.7	0.0500	mg/L dry	1	BHD0771	04/22/24	05/11/24	EPA 6020B	
Magnesium	14.4	0.0500	"	"	"	"	"	"	
Sodium	42.7	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **04/04/24 14:32**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	1.45	0.00100	units	1	BHE0398	05/13/24	05/13/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **04/04/24 14:32**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
05/13/24 15:34

13-11-WH-W01@6'
2404090-05 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

% Solids	81.5	%	1	BHD0427	04/15/24	04/17/24	Calculation
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Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **04/04/24 14:32**


Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.249	0.0100	mmhos/cm	1	BHD0772	04/22/24	04/24/24	EPA 120.1	

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **04/04/24 14:32**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.78		pH Units	1	BHD0773	04/22/24	04/24/24	EPA 9045D	

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Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
05/13/24 15:34

SP-CS03
2404090-06 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/04/24 14:34**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	0.0020		mg/kg	1	BHD0224	04/08/24	04/10/24	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: **04/04/24 14:34**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	0.0347	86.8 %		50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0414	104 %		50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0376	94.0 %		50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **04/04/24 14:34**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
C10-C28 (DRO)	ND	50		mg/kg	1	BHD0228	04/08/24	04/08/24	EPA 8015M	
C28-C36 (ORO)	ND	50		"	"	"	"	"	"	

Date Sampled: **04/04/24 14:34**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: o-Terphenyl	7.66	61.3 %		30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

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Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
05/13/24 15:34

SP-CS03
2404090-06 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **04/04/24 14:34**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BHD0208	04/08/24	04/09/24	EPA 8270D SIM	
Anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.00500	"	"	"	"	"	"	
Benzo (b) fluoranthene	0.00639	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	0.00916	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **04/04/24 14:34**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0266	79.7 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0239	71.6 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **04/04/24 14:34**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L	1	BHD0270	04/09/24	04/27/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **04/04/24 14:34**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
05/13/24 15:34

SP-CS03
2404090-06 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Arsenic	3.20	0.200	mg/kg dry	1	BHD0814	04/23/24	05/07/24	EPA 6020B
Barium	122	0.400	"	"	"	"	"	"
Cadmium	0.271	0.200	"	"	"	"	"	"
Copper	6.49	0.400	"	"	"	"	"	"
Lead	10.2	0.200	"	"	"	"	"	"
Nickel	5.56	0.400	"	"	"	"	"	"
Silver	0.0444	0.0200	"	"	"	"	"	"
Zinc	20.6	0.400	"	"	"	"	"	"
Selenium	ND	0.260	"	"	"	"	"	"

Hexavalent Chromium by EPA Method 7196

Date Sampled: **04/04/24 14:34**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHD0561	04/17/24	04/18/24	EPA 7196A	

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **04/04/24 14:34**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	107	0.0500	mg/L dry	1	BHD0771	04/22/24	05/11/24	EPA 6020B	
Magnesium	22.9	0.0500	"	"	"	"	"	"	
Sodium	50.9	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **04/04/24 14:34**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	1.16	0.00100	units	1	BHE0398	05/13/24	05/13/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **04/04/24 14:34**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
05/13/24 15:34

SP-CS03
2404090-06 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

% Solids	91.7	%	1	BHD0427	04/15/24	04/17/24	Calculation
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Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **04/04/24 14:34**


Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.295	0.0100	mmhos/cm	1	BHD0772	04/22/24	04/24/24	EPA 120.1	

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **04/04/24 14:34**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	9.15		pH Units	1	BHD0773	04/22/24	04/24/24	EPA 9045D	

Summit Scientific



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6855 W. 119th Ave.
Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
05/13/24 15:34

13-11-FL-B01@4'
2404090-07 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/04/24 14:36**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BHD0224	04/08/24	04/10/24	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: **04/04/24 14:36**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	0.0334	83.6 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0427	107 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0383	95.8 %	50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **04/04/24 14:36**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BHD0228	04/08/24	04/09/24	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **04/04/24 14:36**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl	7.47	59.7 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
05/13/24 15:34

13-11-FL-B01@4'
2404090-07 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **04/04/24 14:36**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BHD0208	04/08/24	04/09/24	EPA 8270D SIM	
Anthracene	ND	0.00500	"	"	"	"	"	"	
Benzo (a) anthracene	0.0216	0.00500	"	"	"	"	"	"	
Benzo (a) pyrene	0.0206	0.00500	"	"	"	"	"	"	
Benzo (b) fluoranthene	0.0431	0.00500	"	"	"	"	"	"	
Benzo (k) fluoranthene	0.0152	0.00500	"	"	"	"	"	"	
Chrysene	0.0220	0.00500	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.00500	"	"	"	"	"	"	
Fluoranthene	0.0377	0.00500	"	"	"	"	"	"	
Fluorene	ND	0.00500	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	0.0286	0.00500	"	"	"	"	"	"	
Pyrene	0.0820	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **04/04/24 14:36**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0254	76.3 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0223	66.9 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **04/04/24 14:36**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L	1	BHD0270	04/09/24	04/27/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **04/04/24 14:36**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Summit Scientific

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
05/13/24 15:34

13-11-FL-B01@4'
2404090-07 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Arsenic	3.69	0.200	mg/kg dry	1	BHD0814	04/23/24	05/07/24	EPA 6020B
Barium	113	0.400	"	"	"	"	"	"
Cadmium	0.272	0.200	"	"	"	"	"	"
Copper	8.00	0.400	"	"	"	"	"	"
Lead	13.1	0.200	"	"	"	"	"	"
Nickel	6.74	0.400	"	"	"	"	"	"
Silver	0.0570	0.0200	"	"	"	"	"	"
Zinc	25.4	0.400	"	"	"	"	"	"
Selenium	ND	0.260	"	"	"	"	"	"

Hexavalent Chromium by EPA Method 7196

Date Sampled: **04/04/24 14:36**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHD0561	04/17/24	04/18/24	EPA 7196A	

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **04/04/24 14:36**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	100	0.0500	mg/L dry	1	BHD0771	04/22/24	05/11/24	EPA 6020B	
Magnesium	11.9	0.0500	"	"	"	"	"	"	
Sodium	11.0	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **04/04/24 14:36**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.277	0.00100	units	1	BHE0398	05/13/24	05/13/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **04/04/24 14:36**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Summit Scientific

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
05/13/24 15:34

13-11-FL-B01@4'
2404090-07 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

% Solids	86.3	%	1	BHD0427	04/15/24	04/17/24	Calculation
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Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **04/04/24 14:36**


Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.171	0.0100	mmhos/cm	1	BHD0772	04/22/24	04/24/24	EPA 120.1	

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **04/04/24 14:36**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	9.04		pH Units	1	BHD0773	04/22/24	04/24/24	EPA 9045D	

Summit Scientific



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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
05/13/24 15:34

SEP-B01@4'
2404090-08 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/04/24 14:38**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BHD0224	04/08/24	04/10/24	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: **04/04/24 14:38**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	0.0355	88.8 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0426	106 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0380	95.0 %	50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **04/04/24 14:38**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BHD0228	04/08/24	04/09/24	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **04/04/24 14:38**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl	7.19	57.5 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11
Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
05/13/24 15:34

SEP-B01@4'
2404090-08 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **04/04/24 14:38**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BHD0208	04/08/24	04/09/24	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: **04/04/24 14:38**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0249	74.6 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0197	59.0 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **04/04/24 14:38**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L	1	BHD0270	04/09/24	04/27/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **04/04/24 14:38**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
05/13/24 15:34

SEP-B01@4'
2404090-08 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Arsenic	3.48	0.200	mg/kg dry	1	BHD0814	04/23/24	05/07/24	EPA 6020B
Barium	205	0.400	"	"	"	"	"	"
Cadmium	0.397	0.200	"	"	"	"	"	"
Copper	7.10	0.400	"	"	"	"	"	"
Lead	14.4	0.200	"	"	"	"	"	"
Nickel	5.76	0.400	"	"	"	"	"	"
Silver	0.0635	0.0200	"	"	"	"	"	"
Zinc	35.5	0.400	"	"	"	"	"	"
Selenium	ND	0.260	"	"	"	"	"	"

Hexavalent Chromium by EPA Method 7196

Date Sampled: **04/04/24 14:38**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHD0561	04/17/24	04/18/24	EPA 7196A	

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **04/04/24 14:38**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	114	0.0500	mg/L dry	1	BHD0771	04/22/24	05/11/24	EPA 6020B	
Magnesium	22.6	0.0500	"	"	"	"	"	"	
Sodium	22.0	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **04/04/24 14:38**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.493	0.00100	units	1	BHE0398	05/13/24	05/13/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **04/04/24 14:38**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
05/13/24 15:34

SEP-B01@4'
2404090-08 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

% Solids	88.1	%	1	BHD0427	04/15/24	04/17/24	Calculation
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Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **04/04/24 14:38**


Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.188	0.0100	mmhos/cm	1	BHD0772	04/22/24	04/24/24	EPA 120.1	

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **04/04/24 14:38**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	9.08		pH Units	1	BHD0773	04/22/24	04/24/24	EPA 9045D	

Summit Scientific



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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
05/13/24 15:34

SEP-B02@3'
2404090-09 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/04/24 14:40**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	0.0020		mg/kg	1	BHD0224	04/08/24	04/10/24	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: **04/04/24 14:40**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	0.0318	79.4 %		50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0424	106 %		50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0371	92.8 %		50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **04/04/24 14:40**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
C10-C28 (DRO)	ND	50		mg/kg	1	BHD0228	04/08/24	04/09/24	EPA 8015M	
C28-C36 (ORO)	ND	50		"	"	"	"	"	"	

Date Sampled: **04/04/24 14:40**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: o-Terphenyl	6.97	55.8 %		30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
05/13/24 15:34

SEP-B02@3'
2404090-09 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **04/04/24 14:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BHD0208	04/08/24	04/09/24	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: **04/04/24 14:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0280	84.1 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0252	75.7 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **04/04/24 14:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L	1	BHD0270	04/09/24	04/27/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **04/04/24 14:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Summit Scientific

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
05/13/24 15:34

SEP-B02@3'
2404090-09 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Arsenic	3.09	0.200	mg/kg dry	1	BHD0814	04/23/24	05/07/24	EPA 6020B
Barium	102	0.400	"	"	"	"	"	"
Cadmium	0.347	0.200	"	"	"	"	"	"
Copper	7.41	0.400	"	"	"	"	"	"
Lead	13.7	0.200	"	"	"	"	"	"
Nickel	6.33	0.400	"	"	"	"	"	"
Silver	0.0718	0.0200	"	"	"	"	"	"
Zinc	25.1	0.400	"	"	"	"	"	"
Selenium	ND	0.260	"	"	"	"	"	"

Hexavalent Chromium by EPA Method 7196

Date Sampled: **04/04/24 14:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHD0561	04/17/24	04/18/24	EPA 7196A	

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **04/04/24 14:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	62.5	0.0500	mg/L dry	1	BHD0771	04/22/24	05/11/24	EPA 6020B	
Magnesium	15.4	0.0500	"	"	"	"	"	"	
Sodium	20.2	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **04/04/24 14:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.593	0.00100	units	1	BHE0398	05/13/24	05/13/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **04/04/24 14:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11
Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
05/13/24 15:34

SEP-B02@3'
2404090-09 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

% Solids	80.9	%	1	BHD0427	04/15/24	04/17/24	Calculation
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Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **04/04/24 14:40**


Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.227	0.0100	mmhos/cm	1	BHD0772	04/22/24	04/24/24	EPA 120.1	

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **04/04/24 14:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.85		pH Units	1	BHD0773	04/22/24	04/24/24	EPA 9045D	

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Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
05/13/24 15:34

SEP-B03@3'
2404090-10 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/04/24 14:42**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BHD0224	04/08/24	04/10/24	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: **04/04/24 14:42**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	0.0352	88.0 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0417	104 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0374	93.4 %	50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **04/04/24 14:42**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BHD0228	04/08/24	04/09/24	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **04/04/24 14:42**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl	5.94	47.5 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

Summit Scientific

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Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
05/13/24 15:34

SEP-B03@3'
2404090-10 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **04/04/24 14:42**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BHD0208	04/08/24	04/09/24	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: **04/04/24 14:42**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0234	70.1 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0219	65.7 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **04/04/24 14:42**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L	1	BHD0270	04/09/24	04/27/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **04/04/24 14:42**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
05/13/24 15:34

SEP-B03@3'
2404090-10 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Arsenic	2.78	0.200	mg/kg dry	1	BHD0814	04/23/24	05/07/24	EPA 6020B
Barium	85.6	0.400	"	"	"	"	"	"
Cadmium	0.276	0.200	"	"	"	"	"	"
Copper	6.75	0.400	"	"	"	"	"	"
Lead	11.1	0.200	"	"	"	"	"	"
Nickel	5.60	0.400	"	"	"	"	"	"
Silver	0.0478	0.0200	"	"	"	"	"	"
Zinc	23.0	0.400	"	"	"	"	"	"
Selenium	ND	0.260	"	"	"	"	"	"

Hexavalent Chromium by EPA Method 7196

Date Sampled: **04/04/24 14:42**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHD0561	04/17/24	04/18/24	EPA 7196A	

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **04/04/24 14:42**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	61.0	0.0500	mg/L dry	1	BHD0771	04/22/24	05/11/24	EPA 6020B	
Magnesium	11.6	0.0500	"	"	"	"	"	"	
Sodium	6.11	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **04/04/24 14:42**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.188	0.00100	units	1	BHE0398	05/13/24	05/13/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **04/04/24 14:42**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Project: Civitas - Salisbury 1,13-11,2-4-11,14-11
Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
05/13/24 15:34

SEP-B03@3'
2404090-10 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

% Solids	88.2	%	1	BHD0427	04/15/24	04/17/24	Calculation
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Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **04/04/24 14:42**


Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.141	0.0100	mmhos/cm	1	BHD0772	04/22/24	04/24/24	EPA 120.1	

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **04/04/24 14:42**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.90		pH Units	1	BHD0773	04/22/24	04/24/24	EPA 9045D	

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Project: Civitas - Salisbury 1,13-11,2-4-11,14-11
Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
05/13/24 15:34

SP-CS04
2404090-11 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/04/24 14:44**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BHD0224	04/08/24	04/10/24	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	0.036	0.010	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	0.017	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	0.060	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **04/04/24 14:44**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	0.0333	83.2 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0435	109 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0406	101 %	50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **04/04/24 14:44**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BHD0228	04/08/24	04/09/24	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **04/04/24 14:44**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl	7.71	61.7 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

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Tasman Geosciences
6855 W. 119th Ave.
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Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
05/13/24 15:34

SP-CS04
2404090-11 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **04/04/24 14:44**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BHD0208	04/08/24	04/09/24	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	0.00765	0.00500	"	"	"	"	"	"	

Date Sampled: **04/04/24 14:44**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0220	65.9 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0246	73.7 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **04/04/24 14:44**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L	1	BHD0270	04/09/24	04/27/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **04/04/24 14:44**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
05/13/24 15:34

SP-CS04
2404090-11 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Arsenic	3.68	0.200	mg/kg dry	1	BHD0814	04/23/24	05/07/24	EPA 6020B
Barium	106	0.400	"	"	"	"	"	"
Cadmium	0.300	0.200	"	"	"	"	"	"
Copper	6.84	0.400	"	"	"	"	"	"
Lead	11.0	0.200	"	"	"	"	"	"
Nickel	6.55	0.400	"	"	"	"	"	"
Silver	0.0552	0.0200	"	"	"	"	"	"
Zinc	26.4	0.400	"	"	"	"	"	"
Selenium	0.379	0.260	"	"	"	"	"	"

Hexavalent Chromium by EPA Method 7196

Date Sampled: **04/04/24 14:44**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHD0561	04/17/24	04/18/24	EPA 7196A	

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **04/04/24 14:44**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	54.6	0.0500	mg/L dry	1	BHD0771	04/22/24	05/11/24	EPA 6020B	
Magnesium	11.7	0.0500	"	"	"	"	"	"	
Sodium	22.4	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **04/04/24 14:44**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.718	0.00100	units	1	BHE0398	05/13/24	05/13/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **04/04/24 14:44**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
05/13/24 15:34

SP-CS04
2404090-11 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

% Solids	84.1	%	1	BHD0427	04/15/24	04/17/24	Calculation
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Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **04/04/24 14:44**


Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.245	0.0100	mmhos/cm	1	BHD0772	04/22/24	04/24/24	EPA 120.1	

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **04/04/24 14:44**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.63		pH Units	1	BHD0773	04/22/24	04/24/24	EPA 9045D	

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Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
05/13/24 15:34

FL-B01@3'
2404090-12 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/04/24 14:46**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	0.018	0.0020	mg/kg	1	BHD0224	04/08/24	04/10/24	EPA 8260B	
Toluene	0.063	0.0050	"	"	"	"	"	"	
Ethylbenzene	0.13	0.0050	"	"	"	"	"	"	
Xylenes (total)	6.6	0.10	"	10	"	"	04/10/24	"	
1,2,4-Trimethylbenzene	0.017	0.0050	"	1	"	"	04/10/24	"	
1,3,5-Trimethylbenzene	7.8	0.050	"	10	"	"	04/10/24	"	
Naphthalene	0.10	0.0038	"	1	"	"	04/10/24	"	
Gasoline Range Hydrocarbons	910	5.0	"	10	"	"	04/10/24	"	E

Date Sampled: **04/04/24 14:46**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	0.0364	91.1 %	50-150		"	"	04/10/24	"	
Surrogate: Toluene-d8	0.0365	91.4 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.166	416 %	50-150		"	"	"	"	S-02

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **04/04/24 14:46**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	2900	50	mg/kg	1	BHD0228	04/08/24	04/09/24	EPA 8015M	
C28-C36 (ORO)	560	50	"	"	"	"	"	"	

Date Sampled: **04/04/24 14:46**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl	11.2	89.3 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

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Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
05/13/24 15:34

FL-B01@3'
2404090-12 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **04/04/24 14:46**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	0.00544	0.00500	mg/kg	1	BHD0208	04/08/24	04/09/24	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	0.0152	0.00500	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.00500	"	"	"	"	"	"	
Pyrene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	0.0488	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	0.135	0.00500	"	"	"	"	"	"	

Date Sampled: **04/04/24 14:46**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0202	60.7 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0239	71.8 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **04/04/24 14:46**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L	1	BHD0270	04/09/24	04/27/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **04/04/24 14:46**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Summit Scientific

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
05/13/24 15:34

FL-B01@3'
2404090-12 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Arsenic	4.42	0.200	mg/kg dry	1	BHD0814	04/23/24	05/07/24	EPA 6020B
Barium	295	0.400	"	"	"	"	"	"
Cadmium	0.334	0.200	"	"	"	"	"	"
Copper	7.49	0.400	"	"	"	"	"	"
Lead	12.5	0.200	"	"	"	"	"	"
Nickel	6.26	0.400	"	"	"	"	"	"
Silver	0.0647	0.0200	"	"	"	"	"	"
Zinc	24.4	0.400	"	"	"	"	"	"
Selenium	0.309	0.260	"	"	"	"	"	"

Hexavalent Chromium by EPA Method 7196

Date Sampled: **04/04/24 14:46**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHD0561	04/17/24	04/18/24	EPA 7196A	

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **04/04/24 14:46**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	34.7	0.0500	mg/L dry	1	BHD0771	04/22/24	05/11/24	EPA 6020B	
Magnesium	11.9	0.0500	"	"	"	"	"	"	
Sodium	33.8	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **04/04/24 14:46**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	1.26	0.00100	units	1	BHE0398	05/13/24	05/13/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **04/04/24 14:46**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
05/13/24 15:34

FL-B01@3'
2404090-12 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

% Solids	84.7	%	1	BHD0427	04/15/24	04/17/24	Calculation
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Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **04/04/24 14:46**


Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.299	0.0100	mmhos/cm	1	BHD0772	04/22/24	04/24/24	EPA 120.1	

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **04/04/24 14:46**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.17		pH Units	1	BHD0773	04/22/24	04/24/24	EPA 9045D	

Summit Scientific



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Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
05/13/24 15:34

FL-B02@3'
2404090-13 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/04/24 14:48**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BHD0224	04/08/24	04/10/24	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: **04/04/24 14:48**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	0.0349	87.2 %	50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0454	113 %	50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0387	96.7 %	50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **04/04/24 14:48**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BHD0228	04/08/24	04/09/24	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **04/04/24 14:48**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl	6.83	54.6 %	30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

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Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11
Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
05/13/24 15:34

FL-B02@3'
2404090-13 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **04/04/24 14:48**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BHD0208	04/08/24	04/09/24	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: **04/04/24 14:48**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0254	76.1 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0263	78.9 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **04/04/24 14:48**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L	1	BHD0270	04/09/24	04/27/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **04/04/24 14:48**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
05/13/24 15:34

FL-B02@3'
2404090-13 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Arsenic	2.91	0.181	mg/kg dry	1	BHD0814	04/23/24	05/07/24	EPA 6020B	
Barium	85.5	0.362	"	"	"	"	"	"	
Cadmium	0.302	0.181	"	"	"	"	"	"	
Copper	5.84	0.362	"	"	"	"	"	"	
Lead	9.72	0.181	"	"	"	"	"	"	
Nickel	5.10	0.362	"	"	"	"	"	"	
Silver	0.0446	0.0181	"	"	"	"	"	"	
Zinc	20.7	0.362	"	"	"	"	"	"	
Selenium	ND	0.236	"	"	"	"	"	"	

Hexavalent Chromium by EPA Method 7196

Date Sampled: **04/04/24 14:48**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHD0561	04/17/24	04/18/24	EPA 7196A	

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **04/04/24 14:48**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	75.5	0.0500	mg/L dry	1	BHD0771	04/22/24	05/11/24	EPA 6020B	
Magnesium	14.6	0.0500	"	"	"	"	"	"	
Sodium	11.0	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **04/04/24 14:48**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.304	0.00100	units	1	BHE0398	05/13/24	05/13/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **04/04/24 14:48**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
05/13/24 15:34

FL-B02@3'
2404090-13 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

% Solids	95.0	%	1	BHD0427	04/15/24	04/17/24	Calculation
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Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **04/04/24 14:48**


Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.173	0.0100	mmhos/cm	1	BHD0772	04/22/24	04/24/24	EPA 120.1	

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **04/04/24 14:48**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	8.85		pH Units	1	BHD0773	04/22/24	04/24/24	EPA 9045D	

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Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
05/13/24 15:34

AST-B01@3'
2404090-14 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/04/24 14:54**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	0.0020		mg/kg	1	BHD0224	04/08/24	04/10/24	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: **04/04/24 14:54**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	0.0329	82.3 %		50-150		"	"	"	"	
Surrogate: Toluene-d8	0.0441	110 %		50-150		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	0.0389	97.3 %		50-150		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **04/04/24 14:54**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
C10-C28 (DRO)	ND	50		mg/kg	1	BHD0228	04/08/24	04/09/24	EPA 8015M	
C28-C36 (ORO)	ND	50		"	"	"	"	"	"	

Date Sampled: **04/04/24 14:54**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: o-Terphenyl	10.7	85.8 %		30-150		"	"	"	"	

PAH by EPA Method 8270D SIM

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Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
05/13/24 15:34

AST-B01@3'
2404090-14 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **04/04/24 14:54**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acenaphthene	ND	0.00500	mg/kg	1	BHD0208	04/08/24	04/09/24	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: **04/04/24 14:54**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	0.0287	86.2 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	0.0268	80.5 %	40-150		"	"	"	"	

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **04/04/24 14:54**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Boron	ND	2.00	mg/L	1	BHD0270	04/09/24	04/27/24	EPA 6020B	

Total Metals by EPA 6020B

Date Sampled: **04/04/24 14:54**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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6855 W. 119th Ave.
Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
05/13/24 15:34

AST-B01@3'
2404090-14 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Arsenic	1.03	0.200	mg/kg dry	1	BHD0814	04/23/24	05/08/24	EPA 6020B
Barium	30.2	0.400	"	"	"	"	"	"
Cadmium	ND	0.200	"	"	"	"	"	"
Copper	2.46	0.400	"	"	"	"	"	"
Lead	1.97	0.200	"	"	"	"	"	"
Nickel	1.33	0.400	"	"	"	"	"	"
Silver	ND	0.0200	"	"	"	"	"	"
Zinc	6.09	0.400	"	"	"	"	"	"
Selenium	ND	0.260	"	"	"	"	"	"

Hexavalent Chromium by EPA Method 7196

Date Sampled: **04/04/24 14:54**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chromium, Hexavalent	ND	0.30	mg/kg dry	1	BHD0561	04/17/24	04/18/24	EPA 7196A	

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **04/04/24 14:54**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	6.88	0.0500	mg/L dry	1	BHD0771	04/22/24	05/11/24	EPA 6020B	
Magnesium	2.82	0.0500	"	"	"	"	"	"	
Sodium	9.72	0.0500	"	"	"	"	"	"	

Calculated Analysis

Date Sampled: **04/04/24 14:54**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	0.788	0.00100	units	1	BHE0398	05/13/24	05/13/24	Calculation	

Physical Parameters by APHA/ASTM/EPA Methods

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
05/13/24 15:34

AST-B01@3'
2404090-14 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **04/04/24 14:54**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	98.8		%	1	BHD0427	04/15/24	04/17/24	Calculation	

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **04/04/24 14:54**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.0724	0.0100	mmhos/cm	1	BHD0772	04/22/24	04/24/24	EPA 120.1	

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **04/04/24 14:54**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
pH	9.82		pH Units	1	BHD0773	04/22/24	04/24/24	EPA 9045D	

Summit Scientific

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
05/13/24 15:34

WH-GW01
2404090-15 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/04/24 14:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	17	1.0	ug/l	1	BHD0317	04/10/24	04/12/24	EPA 8260B	
Toluene	1.5	1.0	"	"	"	"	"	"	
Ethylbenzene	5.3	1.0	"	"	"	"	"	"	
Xylenes (total)	18	2.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	4.9	1.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"	

Date Sampled: **04/04/24 14:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>	11.9	89.1 %	23-173		"	"	"	"	
<i>Surrogate: Toluene-d8</i>	13.3	99.5 %	20-170		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>	13.9	104 %	21-167		"	"	"	"	

Anions by EPA Method 300.0

Date Sampled: **04/04/24 14:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Chloride	88.8	12.0	mg/L	200	BHD0646	04/18/24	04/19/24	EPA 300.0	
Sulfate	93.2	60.0	"	"	"	"	"	"	

Total Dissolved Solids by SM2540C

Date Sampled: **04/04/24 14:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Total Dissolved Solids	805	10.0	mg/L	1	BHD0229	04/08/24	04/08/24	SM2540C	

Summit Scientific

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
05/13/24 15:34

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 BHD0224 - EPA 5030 Soil MS

Blank (BHD0224-BLK1)

Prepared: 04/08/24 Analyzed: 04/09/24

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	"								
<i>Surrogate: 1,2-Dichloroethane-d4</i>	0.0344		"	0.0400		86.0	50-150				
<i>Surrogate: Toluene-d8</i>	0.0430		"	0.0400		108	50-150				
<i>Surrogate: 4-Bromofluorobenzene</i>	0.0379		"	0.0400		94.8	50-150				

LCS (BHD0224-BS1)

Prepared: 04/08/24 Analyzed: 04/09/24

Benzene	0.106	0.0020	mg/kg	0.100		106	70-130				
Toluene	0.108	0.0050	"	0.100		108	70-130				
Ethylbenzene	0.107	0.0050	"	0.100		107	70-130				
m,p-Xylene	0.215	0.010	"	0.200		107	70-130				
o-Xylene	0.111	0.0050	"	0.100		111	70-130				
1,2,4-Trimethylbenzene	0.103	0.0050	"	0.100		103	70-130				
1,3,5-Trimethylbenzene	0.106	0.0050	"	0.100		106	70-130				
Naphthalene	0.0837	0.0038	"	0.100		83.7	70-130				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	0.0344		"	0.0400		85.9	50-150				
<i>Surrogate: Toluene-d8</i>	0.0419		"	0.0400		105	50-150				
<i>Surrogate: 4-Bromofluorobenzene</i>	0.0393		"	0.0400		98.2	50-150				

Matrix Spike (BHD0224-MS1)

Source: 2404090-01

Prepared: 04/08/24 Analyzed: 04/09/24

Benzene	0.109	0.0020	mg/kg	0.100	0.0150	93.9	70-130				
Toluene	0.0770	0.0050	"	0.100	ND	77.0	70-130				
Ethylbenzene	0.147	0.0050	"	0.100	0.0188	129	70-130				
m,p-Xylene	0.287	0.010	"	0.200	0.0856	101	70-130				
o-Xylene	0.112	0.0050	"	0.100	0.0248	87.4	70-130				
1,2,4-Trimethylbenzene	0.124	0.0050	"	0.100	0.0226	101	70-130				
1,3,5-Trimethylbenzene	0.151	0.0050	"	0.100	0.0384	113	70-130				
Naphthalene	0.104	0.0038	"	0.100	ND	104	70-130				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	0.0375		"	0.0400		93.7	50-150				
<i>Surrogate: Toluene-d8</i>	0.0411		"	0.0400		103	50-150				
<i>Surrogate: 4-Bromofluorobenzene</i>	0.0656		"	0.0400		164	50-150				

S-02

Summit Scientific

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
05/13/24 15:34

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 BHD0224 - EPA 5030 Soil MS

Matrix Spike Dup (BHD0224-MSD1)	Source: 2404090-01			Prepared: 04/08/24 Analyzed: 04/09/24						
Benzene	0.0938	0.0020	mg/kg	0.100	0.0150	78.7	70-130	15.0	30	
Toluene	0.0897	0.0050	"	0.100	ND	89.7	70-130	15.3	30	
Ethylbenzene	0.146	0.0050	"	0.100	0.0188	127	70-130	0.879	30	
m,p-Xylene	0.320	0.010	"	0.200	0.0856	117	70-130	10.7	30	
o-Xylene	0.101	0.0050	"	0.100	0.0248	76.4	70-130	10.4	30	
1,2,4-Trimethylbenzene	0.182	0.0050	"	0.100	0.0226	160	70-130	38.2	30	QM-01
1,3,5-Trimethylbenzene	0.238	0.0050	"	0.100	0.0384	199	70-130	44.6	30	QM-01
Naphthalene	0.0936	0.0038	"	0.100	ND	93.6	70-130	10.8	30	
Surrogate: 1,2-Dichloroethane-d4	0.0383		"	0.0400		95.8	50-150			
Surrogate: Toluene-d8	0.0347		"	0.0400		86.8	50-150			
Surrogate: 4-Bromofluorobenzene	0.0898		"	0.0400		225	50-150			S-02

Batch BHD0317 - EPA 5030 Water MS

Blank (BHD0317-BLK1)	Prepared & Analyzed: 04/10/24									
Benzene	ND	1.0	ug/l							
Toluene	ND	1.0	"							
Ethylbenzene	ND	1.0	"							
Xylenes (total)	ND	2.0	"							
Naphthalene	ND	1.0	"							
1,2,4-Trimethylbenzene	ND	1.0	"							
1,3,5-Trimethylbenzene	ND	1.0	"							
Surrogate: 1,2-Dichloroethane-d4	12.4		"	13.3		93.2	23-173			
Surrogate: Toluene-d8	13.7		"	13.3		103	20-170			
Surrogate: 4-Bromofluorobenzene	13.5		"	13.3		101	21-167			

LCS (BHD0317-BS1)	Prepared: 04/10/24 Analyzed: 04/11/24									
Benzene	63.2	1.0	ug/l	50.0		126	51-132			
Toluene	58.4	1.0	"	50.0		117	51-138			
Ethylbenzene	64.2	1.0	"	50.0		128	58-146			
m,p-Xylene	130	2.0	"	100		130	57-144			
o-Xylene	64.1	1.0	"	50.0		128	53-146			
Naphthalene	46.5	1.0	"	50.0		93.0	70-130			
1,2,4-Trimethylbenzene	60.4	1.0	"	50.0		121	70-130			
1,3,5-Trimethylbenzene	60.2	1.0	"	50.0		120	70-130			
Surrogate: 1,2-Dichloroethane-d4	13.2		"	13.3		98.8	23-173			
Surrogate: Toluene-d8	12.7		"	13.3		95.4	20-170			
Surrogate: 4-Bromofluorobenzene	12.9		"	13.3		96.5	21-167			

Summit Scientific

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
05/13/24 15:34

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 BHD0317 - EPA 5030 Water MS

Matrix Spike (BHD0317-MS1)

Source: 2404083-01

Prepared: 04/10/24 Analyzed: 04/11/24

Benzene	52.0	1.0	ug/l	50.0	ND	104	34-141			
Toluene	60.0	1.0	"	50.0	ND	120	27-151			
Ethylbenzene	55.9	1.0	"	50.0	ND	112	29-160			
m,p-Xylene	123	2.0	"	100	ND	123	20-166			
o-Xylene	56.1	1.0	"	50.0	ND	112	33-159			
Naphthalene	47.7	1.0	"	50.0	ND	95.4	70-130			
1,2,4-Trimethylbenzene	59.6	1.0	"	50.0	ND	119	70-130			
1,3,5-Trimethylbenzene	59.6	1.0	"	50.0	ND	119	70-130			
Surrogate: 1,2-Dichloroethane-d4	10.4		"	13.3		78.3	23-173			
Surrogate: Toluene-d8	12.7		"	13.3		95.3	20-170			
Surrogate: 4-Bromofluorobenzene	13.0		"	13.3		97.4	21-167			

Matrix Spike Dup (BHD0317-MSD1)

Source: 2404083-01

Prepared: 04/10/24 Analyzed: 04/11/24

Benzene	62.2	1.0	ug/l	50.0	ND	124	34-141	18.0	30	
Toluene	59.0	1.0	"	50.0	ND	118	27-151	1.82	30	
Ethylbenzene	64.0	1.0	"	50.0	ND	128	29-160	13.4	30	
m,p-Xylene	129	2.0	"	100	ND	129	20-166	4.42	30	
o-Xylene	63.9	1.0	"	50.0	ND	128	33-159	12.9	30	
Naphthalene	49.8	1.0	"	50.0	ND	99.6	70-130	4.29	30	
1,2,4-Trimethylbenzene	58.1	1.0	"	50.0	ND	116	70-130	2.63	30	
1,3,5-Trimethylbenzene	58.0	1.0	"	50.0	ND	116	70-130	2.59	30	
Surrogate: 1,2-Dichloroethane-d4	13.0		"	13.3		97.9	23-173			
Surrogate: Toluene-d8	13.0		"	13.3		97.4	20-170			
Surrogate: 4-Bromofluorobenzene	13.5		"	13.3		101	21-167			

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
05/13/24 15:34

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 BHD0228 - EPA 3550A

Blank (BHD0228-BLK1)

Prepared & Analyzed: 04/08/24

C10-C28 (DRO)	ND	50	mg/kg								
C28-C36 (ORO)	ND	50	"								
Surrogate: <i>o</i> -Terphenyl	12.3		"	12.5		98.7	30-150				

LCS (BHD0228-BS1)

Prepared & Analyzed: 04/08/24

C10-C28 (DRO)	435	50	mg/kg	500		87.0	70-130				
Surrogate: <i>o</i> -Terphenyl	10.3		"	12.5		82.3	30-150				

Matrix Spike (BHD0228-MS1)

Source: 2404090-01

Prepared & Analyzed: 04/08/24

C10-C28 (DRO)	435	50	mg/kg	500	18.6	83.2	70-130				
Surrogate: <i>o</i> -Terphenyl	9.01		"	12.5		72.1	30-150				

Matrix Spike Dup (BHD0228-MSD1)

Source: 2404090-01

Prepared & Analyzed: 04/08/24

C10-C28 (DRO)	378	50	mg/kg	500	18.6	71.8	70-130	14.0	20		
Surrogate: <i>o</i> -Terphenyl	7.33		"	12.5		58.6	30-150				

Summit Scientific

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11
Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
05/13/24 15:34

PAH by EPA Method 8270D SIM - Quality Control
Summit Scientific

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

Batch BHD0208 - EPA 5030 Soil MS

Blank (BHD0208-BLK1)

Prepared: 04/08/24 Analyzed: 04/09/24

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>0.0376</i>		"	<i>0.0333</i>		<i>113</i>		<i>40-150</i>		
<i>Surrogate: Fluoranthene-d10</i>	<i>0.0408</i>		"	<i>0.0333</i>		<i>122</i>		<i>40-150</i>		

LCS (BHD0208-BS1)

Prepared: 04/08/24 Analyzed: 04/09/24

Acenaphthene	0.0335	0.00500	mg/kg	0.0333	100	31-137
Anthracene	0.0360	0.00500	"	0.0333	108	30-120
Benzo (a) anthracene	0.0342	0.00500	"	0.0333	103	30-120
Benzo (a) pyrene	0.0290	0.00500	"	0.0333	86.9	30-120
Benzo (b) fluoranthene	0.0365	0.00500	"	0.0333	110	30-120
Benzo (k) fluoranthene	0.0354	0.00500	"	0.0333	106	30-120
Chrysene	0.0336	0.00500	"	0.0333	101	30-120
Dibenz (a,h) anthracene	0.0137	0.00500	"	0.0333	41.0	30-120
Fluoranthene	0.0351	0.00500	"	0.0333	105	30-120
Fluorene	0.0281	0.00500	"	0.0333	84.4	30-120
Indeno (1,2,3-cd) pyrene	0.0159	0.00500	"	0.0333	47.7	30-120
Pyrene	0.0331	0.00500	"	0.0333	99.3	35-142
1-Methylnaphthalene	0.0305	0.00500	"	0.0333	91.5	35-142
2-Methylnaphthalene	0.0390	0.00500	"	0.0333	117	35-142
<i>Surrogate: 2-Methylnaphthalene-d10</i>	<i>0.0347</i>		"	<i>0.0333</i>	<i>104</i>	<i>40-150</i>
<i>Surrogate: Fluoranthene-d10</i>	<i>0.0346</i>		"	<i>0.0333</i>	<i>104</i>	<i>40-150</i>

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
05/13/24 15:34

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 BHD0208 - EPA 5030 Soil MS

Matrix Spike (BHD0208-MS1)

Source: 2404066-01

Prepared: 04/08/24 Analyzed: 04/09/24

Acenaphthene	0.0171	0.00500	mg/kg	0.0333	ND	51.4	31-137			
Anthracene	0.0205	0.00500	"	0.0333	ND	61.6	30-120			
Benzo (a) anthracene	0.0174	0.00500	"	0.0333	ND	52.3	30-120			
Benzo (a) pyrene	0.0143	0.00500	"	0.0333	ND	42.9	30-120			
Benzo (b) fluoranthene	0.0176	0.00500	"	0.0333	ND	52.9	30-120			
Benzo (k) fluoranthene	0.0174	0.00500	"	0.0333	ND	52.1	30-120			
Chrysene	0.0159	0.00500	"	0.0333	ND	47.6	30-120			
Dibenz (a,h) anthracene	0.0135	0.00500	"	0.0333	ND	40.4	30-120			
Fluoranthene	0.0200	0.00500	"	0.0333	ND	59.9	30-120			
Fluorene	0.0139	0.00500	"	0.0333	ND	41.8	30-120			
Indeno (1,2,3-cd) pyrene	0.0159	0.00500	"	0.0333	ND	47.7	30-120			
Pyrene	0.0171	0.00500	"	0.0333	ND	51.4	35-142			
1-Methylnaphthalene	0.0164	0.00500	"	0.0333	ND	49.3	15-130			
2-Methylnaphthalene	0.0146	0.00500	"	0.0333	ND	43.8	15-130			
Surrogate: 2-Methylnaphthalene-d10	0.0177		"	0.0333		53.0	40-150			
Surrogate: Fluoranthene-d10	0.0208		"	0.0333		62.4	40-150			

Matrix Spike Dup (BHD0208-MSD1)

Source: 2404066-01

Prepared: 04/08/24 Analyzed: 04/09/24

Acenaphthene	0.0153	0.00500	mg/kg	0.0333	ND	45.9	31-137	11.3	30
Anthracene	0.0155	0.00500	"	0.0333	ND	46.6	30-120	27.7	30
Benzo (a) anthracene	0.0153	0.00500	"	0.0333	ND	45.8	30-120	13.2	30
Benzo (a) pyrene	0.0161	0.00500	"	0.0333	ND	48.2	30-120	11.6	30
Benzo (b) fluoranthene	0.0201	0.00500	"	0.0333	ND	60.2	30-120	13.0	30
Benzo (k) fluoranthene	0.0195	0.00500	"	0.0333	ND	58.6	30-120	11.9	30
Chrysene	0.0134	0.00500	"	0.0333	ND	40.1	30-120	17.0	30
Dibenz (a,h) anthracene	0.0138	0.00500	"	0.0333	ND	41.4	30-120	2.34	30
Fluoranthene	0.0155	0.00500	"	0.0333	ND	46.5	30-120	25.2	30
Fluorene	0.0138	0.00500	"	0.0333	ND	41.5	30-120	0.667	30
Indeno (1,2,3-cd) pyrene	0.0197	0.00500	"	0.0333	ND	59.1	30-120	21.4	30
Pyrene	0.0147	0.00500	"	0.0333	ND	44.2	35-142	15.1	30
1-Methylnaphthalene	0.0165	0.00500	"	0.0333	ND	49.5	15-130	0.512	50
2-Methylnaphthalene	0.0228	0.00500	"	0.0333	ND	68.3	15-130	43.7	50
Surrogate: 2-Methylnaphthalene-d10	0.0186		"	0.0333		55.9	40-150		
Surrogate: Fluoranthene-d10	0.0161		"	0.0333		48.4	40-150		

Summit Scientific

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
05/13/24 15:34

Total Metals by EPA 6020B Hot Water Soluble Extraction - Quality Control
Summit Scientific

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

Batch BHD0270 - EPA 3050B

Blank (BHD0270-BLK1)

Prepared: 04/09/24 Analyzed: 04/27/24

Boron ND 2.00 mg/L

LCS (BHD0270-BS1)

Prepared: 04/09/24 Analyzed: 04/27/24

Boron 4.36 2.00 mg/L 5.00 87.1 80-120

Duplicate (BHD0270-DUP1)

Source: 2404045-01

Prepared: 04/09/24 Analyzed: 04/27/24

Boron 0.221 2.00 mg/L 0.228 3.31 20

Matrix Spike (BHD0270-MS1)

Source: 2404045-01

Prepared: 04/09/24 Analyzed: 04/27/24

Boron 4.82 2.00 mg/L 5.00 0.228 91.9 75-125

Matrix Spike Dup (BHD0270-MSD1)

Source: 2404045-01

Prepared: 04/09/24 Analyzed: 04/27/24

Boron 4.63 2.00 mg/L 5.00 0.228 88.1 75-125 3.98 25

Summit Scientific

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
05/13/24 15:34

Total Metals by EPA 6020B - Quality Control
Summit Scientific

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

Batch BHD0814 - EPA 3050B

Blank (BHD0814-BLK1)

Prepared: 04/23/24 Analyzed: 05/07/24

Arsenic	ND	0.200	mg/kg wet							
Barium	ND	0.400	"							
Cadmium	ND	0.200	"							
Copper	ND	0.400	"							
Lead	ND	0.200	"							
Nickel	ND	0.400	"							
Silver	ND	0.0200	"							
Zinc	ND	0.400	"							
Selenium	ND	0.260	"							

LCS (BHD0814-BS1)

Prepared: 04/23/24 Analyzed: 05/07/24

Arsenic	38.6	0.200	mg/kg wet	40.0		96.5	80-120			
Barium	38.6	0.400	"	40.0		96.4	80-120			
Cadmium	1.97	0.200	"	2.00		98.6	80-120			
Copper	40.9	0.400	"	40.0		102	80-120			
Lead	18.9	0.200	"	20.0		94.6	80-120			
Nickel	40.1	0.400	"	40.0		100	80-120			
Silver	1.95	0.0200	"	2.00		97.6	80-120			
Zinc	41.1	0.400	"	40.0		103	80-120			
Selenium	4.12	0.260	"	4.00		103	80-120			

Duplicate (BHD0814-DUP1)

Source: 2404090-01

Prepared: 04/23/24 Analyzed: 05/07/24

Arsenic	3.36	0.200	mg/kg dry	3.25		3.54	20			
Barium	148	0.400	"	111		27.9	20			QR-04
Cadmium	0.312	0.200	"	0.348		10.7	20			
Copper	7.36	0.400	"	7.74		4.96	20			
Lead	9.56	0.200	"	10.4		8.13	20			
Nickel	6.13	0.400	"	5.88		4.25	20			
Silver	0.0419	0.0200	"	0.0465		10.6	20			
Zinc	24.5	0.400	"	23.7		3.30	20			
Selenium	ND	0.260	"	ND			20			

Summit Scientific

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
05/13/24 15:34

Total Metals by EPA 6020B - Quality Control
Summit Scientific

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

Batch BHD0814 - EPA 3050B

Matrix Spike (BHD0814-MS1)

Source: 2404090-01

Prepared: 04/23/24 Analyzed: 05/07/24

Arsenic	49.3	0.200	mg/kg dry	46.9	3.25	98.2	75-125			
Barium	178	0.400	"	46.9	111	142	75-125			QM-07
Cadmium	2.81	0.200	"	2.34	0.348	105	75-125			
Copper	32.5	0.400	"	46.9	7.74	52.8	75-125			QM-07
Lead	33.2	0.200	"	23.4	10.4	97.3	75-125			
Nickel	31.1	0.400	"	46.9	5.88	53.8	75-125			QM-07
Silver	2.36	0.0200	"	2.34	0.0465	98.5	75-125			
Zinc	50.2	0.400	"	46.9	23.7	56.6	75-125			QM-07
Selenium	4.69	0.260	"	4.69	ND	100	75-125			

Matrix Spike Dup (BHD0814-MSD1)

Source: 2404090-01

Prepared: 04/23/24 Analyzed: 05/07/24

Arsenic	49.1	0.200	mg/kg dry	46.9	3.25	97.8	75-125	0.439	25	
Barium	178	0.400	"	46.9	111	142	75-125	0.0813	25	QM-07
Cadmium	2.82	0.200	"	2.34	0.348	105	75-125	0.317	25	
Copper	32.4	0.400	"	46.9	7.74	52.6	75-125	0.191	25	QM-07
Lead	33.1	0.200	"	23.4	10.4	96.9	75-125	0.293	25	
Nickel	31.2	0.400	"	46.9	5.88	54.0	75-125	0.340	25	QM-07
Silver	2.30	0.0200	"	2.34	0.0465	96.4	75-125	2.19	25	
Zinc	49.8	0.400	"	46.9	23.7	55.8	75-125	0.728	25	QM-07
Selenium	4.40	0.260	"	4.69	ND	94.0	75-125	6.39	25	

Summit Scientific

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Tasman Geosciences
6855 W. 119th Ave.
Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
05/13/24 15:34

Hexavalent Chromium by EPA Method 7196 - Quality Control
Summit Scientific

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

Batch BHD0561 - 3060A Mod

Blank (BHD0561-BLK1)

Prepared: 04/17/24 Analyzed: 04/18/24

Chromium, Hexavalent ND 0.30 mg/kg wet

LCS (BHD0561-BS1)

Prepared: 04/17/24 Analyzed: 04/18/24

Chromium, Hexavalent 25.0 0.30 mg/kg wet 25.0 100 80-120

Duplicate (BHD0561-DUP1)

Source: 2404090-01

Prepared: 04/17/24 Analyzed: 04/18/24

Chromium, Hexavalent ND 0.30 mg/kg dry ND 20

Matrix Spike (BHD0561-MS1)

Source: 2404090-01

Prepared: 04/17/24 Analyzed: 04/18/24

Chromium, Hexavalent 32.1 0.30 mg/kg dry 31.6 ND 102 75-125

Matrix Spike Dup (BHD0561-MSD1)

Source: 2404090-01

Prepared: 04/17/24 Analyzed: 04/18/24

Chromium, Hexavalent 32.3 0.30 mg/kg dry 31.6 ND 102 75-125 0.589 20

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Tasman Geosciences
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Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
05/13/24 15:34

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction - Quality Control

Summit Scientific

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

Batch BHD0771 - General Preparation

Blank (BHD0771-BLK1)

Prepared: 04/22/24 Analyzed: 05/11/24

Calcium	ND	0.0500	mg/L wet						
Magnesium	ND	0.0500	"						
Sodium	ND	0.0500	"						

LCS (BHD0771-BS1)

Prepared: 04/22/24 Analyzed: 05/11/24

Calcium	5.33	0.0500	mg/L wet	5.00		107	70-130		
Magnesium	5.21	0.0500	"	5.00		104	70-130		
Sodium	4.76	0.0500	"	5.00		95.3	70-130		

Summit Scientific

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Tasman Geosciences
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Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
05/13/24 15:34

Anions by EPA Method 300.0 - Quality Control
Summit Scientific

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

Batch BHD0646 - General Preparation

Blank (BHD0646-BLK1)

Prepared: 04/18/24 Analyzed: 04/19/24

Chloride	ND	0.0600	mg/L						
Sulfate	ND	0.300	"						

LCS (BHD0646-BS1)

Prepared: 04/18/24 Analyzed: 04/19/24

Chloride	3.05	0.0600	mg/L	3.00	102	90-110		
Sulfate	15.3	0.300	"	15.0	102	90-110		

Duplicate (BHD0646-DUP1)

Source: 2404056-02

Prepared: 04/18/24 Analyzed: 04/19/24

Chloride	365	12.0	mg/L	364			0.165	20
Sulfate	1070	60.0	"	1070			0.00	20

Matrix Spike (BHD0646-MS1)

Source: 2404056-02

Prepared: 04/18/24 Analyzed: 04/19/24

Chloride	973	12.0	mg/L	600	364	102	80-120	
Sulfate	4200	60.0	"	3000	1070	105	80-120	

Summit Scientific

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Tasman Geosciences
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Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
 Project Manager: Sam Vogt

Reported:
 05/13/24 15:34

Physical Parameters by APHA/ASTM/EPA Methods - Quality Control

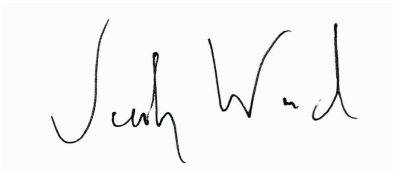
Summit Scientific

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

Batch BHD0427 - General Preparation

Duplicate (BHD0427-DUP1)	Source: 2404090-01		Prepared: 04/15/24 Analyzed: 04/17/24		
% Solids	81.7	%	79.0	3.34	20

Summit Scientific



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Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
05/13/24 15:34

Total Dissolved Solids by SM2540C - Quality Control
Summit Scientific

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

Batch BHD0229 - General Preparation

Blank (BHD0229-BLK1)

Prepared & Analyzed: 04/08/24

Total Dissolved Solids ND 10.0 mg/L

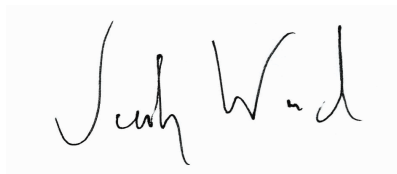
Duplicate (BHD0229-DUP1)

Source: 2404056-02

Prepared & Analyzed: 04/08/24

Total Dissolved Solids 2960 10.0 mg/L 3000 1.17 20

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Tasman Geosciences
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Broomfield CO, 80020

Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
05/13/24 15:34

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction - Quality Control
Summit Scientific

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

Batch BHD0772 - General Preparation

Blank (BHD0772-BLK1)

Prepared: 04/22/24 Analyzed: 04/24/24

Specific Conductance (EC) ND 0.0100 mmhos/cm

LCS (BHD0772-BS1)

Prepared: 04/22/24 Analyzed: 04/24/24

Specific Conductance (EC) 0.151 0.0100 mmhos/cm 0.150 101 95-105

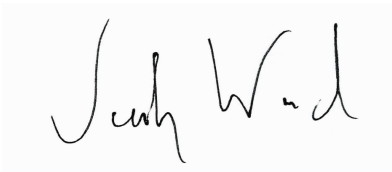
Duplicate (BHD0772-DUP1)

Source: 2404090-01

Prepared: 04/22/24 Analyzed: 04/24/24

Specific Conductance (EC) 0.528 0.0100 mmhos/cm 0.534 1.04 20

Summit Scientific



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Tasman Geosciences
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Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
05/13/24 15:34

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction - Quality Control

Summit Scientific

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

Batch BHD0773 - General Preparation

LCS (BHD0773-BS1)

Prepared: 04/22/24 Analyzed: 04/24/24

pH	9.09	pH Units	9.18	99.0	95-105
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Duplicate (BHD0773-DUP1)

Source: 2404090-01

Prepared: 04/22/24 Analyzed: 04/24/24

pH	8.28	pH Units	8.33	0.602	20
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Tasman Geosciences
6855 W. 119th Ave.
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Project: Civitas - Salisbury 1,13-11,2-4-11,14-11

Project Number: 23024,23361,23026
Project Manager: Sam Vogt

Reported:
05/13/24 15:34

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.
- QR-04 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS/LCSD recovery.
- QM-01 The spike recovery for this QC sample is outside of established control limits due to sample matrix interference.
- 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