

**FOUNDATION ENERGY INC.**  
**ALLARD 30-8-5 (North) Former Well Jack Area and**  
**ALLARD 30-8-5 (South) Former Treater/Battery Area**

**FORM 27 SUPPLEMENTAL**  
**FOURTH QUARTER 2022 GROUNDWATER MONITORING SUMMARY REPORT**

**ATTACHMENTS**

**Tables**

- 1 Summary of Groundwater Elevation Data
- 2 Fourth Quarter 2022 Groundwater Analytical Results
- 3 Historical Groundwater Analytical Results

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- 1 Site Location Map
- 2 Allard 30-8-5 North and South Site Overview Map
- 3 Allard 30-8-5 South Former Battery and Treater Area Potentiometric Surface Map
- 4 Allard 30-8-5 North Former Well Jack Area Potentiometric Surface Map
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- 6 Allard 30-8-5 North Former Well Jack Area Groundwater Sample Analytical Map

**Attachments**

- A Summit Scientific Laboratory Reports:  
-2211176 (Groundwater)

**TABLE 1**  
**SUMMARY OF GROUNDWATER ELEVATION DATA**  
**FOUNDATION ENERGY - ALLARD 30-8-5**  
**JACKSON COUNTY, COLORADO**

Location	Date	Depth to Groundwater (feet)	Depth to Product (feet)	Free Phase Hydrocarbon Thickness (feet)	Total Depth (feet)	TOC Elevation (feet amsl)	Groundwater Elevation (feet amsl)	Change in Groundwater Elevation Since Previous Event (1) (feet)
MW01	3/9/2022	8.00	-	-	9.31	7,949.31	7,941.31	0.21
MW01	4/20/2022	3.76	-	-	9.31	7,949.31	7,945.55	4.24
MW01	5/13/2022	5.30	-	-	9.31	7,949.31	7,944.01	-1.54
MW01	11/9/2022	5.73	-	-	9.31	7,949.31	7,943.58	-0.43
MW02	3/9/2022	7.86	-	-	8.91	7,949.43	7,941.57	0.12
MW02	4/20/2022	4.25	-	-	8.91	7,949.43	7,945.18	3.61
MW02	5/13/2022	3.85	-	-	8.91	7,949.43	7,945.58	0.40
MW02	11/9/2022	4.40	-	-	8.91	7,949.43	7,945.03	-0.55
MW03	3/9/2022	8.87	-	-	10.96	7,950.22	7,941.35	0.19
MW03	4/20/2022	6.21	-	-	10.96	7,950.22	7,944.01	2.66
MW03	5/13/2022	5.82	-	-	10.96	7,950.22	7,944.40	0.39
MW03	11/9/2022	6.36	-	-	10.96	7,950.22	7,943.86	-0.54
MW04	3/9/2022	DRY	-	-	6.43	7,948.97	NA	NC
MW04	4/20/2022	6.30	-	-	6.43	7,948.97	7,942.67	NC
MW04	5/13/2022	6.00	-	-	6.43	7,948.97	7,942.97	0.30
MW04	11/9/2022	DRY	-	-	6.43	7,948.97	NA	NC
MW05	3/9/2022	5.85	-	-	9.05	7,950.07	7,944.22	2.73
MW05	4/20/2022	4.87	-	-	9.05	7,950.07	7,945.20	0.98
MW05	5/13/2022	4.36	-	-	9.05	7,950.07	7,945.71	0.51
MW05	11/9/2022	5.06	-	-	9.05	7,950.07	7,945.01	-0.70
MW06	3/9/2022	5.85	-	-	9.02	7,944.76	7,938.91	0.20
MW06	4/20/2022	3.88	-	-	9.02	7,944.76	7,940.88	1.97
MW06	5/13/2022	3.98	-	-	9.02	7,944.76	7,940.78	-0.10
MW06	11/9/2022	4.32	-	-	9.02	7,944.76	7,940.44	-0.34
MW07	3/9/2022	6.52	-	-	8.69	7,944.85	7,938.33	0.20
MW07	4/20/2022	NM	-	-	8.69	7,944.85	NM	NM
MW07	5/13/2022	5.28	-	-	8.69	7,944.85	7,939.57	NC
MW07	11/9/2022	5.79	-	-	8.69	7,944.85	7,939.06	-0.51
MW08	3/9/2022	6.32	-	-	9.18	7,945.16	7,938.84	0.28
MW08	4/20/2022	NM	-	-	9.18	7,945.16	NM	NM
MW08	5/13/2022	4.78	-	-	9.18	7,945.16	7,940.38	NC
MW08	11/9/2022	5.50	-	-	9.18	7,945.16	7,939.66	-0.72
MW09	3/9/2022	Damaged	-	-	10.01	7,946.19	NM	NM
MW09	4/20/2022	Damaged	-	-	10.01	7,946.19	NM	NM
MW09	5/13/2022	Damaged	-	-	10.01	7,946.19	NM	NM
MW09	11/9/2022	Abandoned	-	-	10.01	7,946.19	NM	NM
Average Change in Groundwater Elevation (5/13/2022 - 11/9/2022)								-0.54

Notes:

collected during the most recent monitoring event.

amsl = feet above mean sea level

TOC = top of casing

Groundwater elevation = (TOC Elevation - Measured Depth to Water) + (LNAPL Thickness in Well \* LNAPL Relative Density)

LNAPL relative density was assumed to be approximately 0.75

NM = Not Measured

\* Well stick up heights modified after sampling event, before survey

NC = Not calculated

**TABLE 2**  
**FOURTH QUARTER 2022 GROUNDWATER ANALYTICAL RESULTS**  
**FOUNDATION ENERGY ALLARD 30-8-5**  
**JACKSON COUNTY, COLORADO**

Location Identification	Sample Date	Lab Report	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Total Xylenes (µg/l)	1,2,4-Trimethylbenzene (µg/l)	1,3,5-Trimethylbenzene (µg/l)	Naphthalene (µg/l)	Total Dissolved Solids (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	Comments
<b>COGCC Standards (µg/L)<sup>(1)</sup></b>			<b>5</b>	<b>560</b>	<b>700</b>	<b>1,400</b>	<b>67</b>	<b>67</b>	<b>140</b>	( <b>&lt;1.25 x local background</b> )	( <b>250 mg/l or &lt;1.25 x local background</b> )	( <b>250 mg/l or &lt;1.25 x local background</b> )	
<b>Allard South (Former Battery and Treater Area)</b>													
MW01	11/9/2022	2211176	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	NS	NS	NS	
MW02	11/9/2022	2211176	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	NS	NS	NS	
MW03	11/9/2022	2211176	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	NS	NS	NS	
MW04	11/9/2022	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	Not Sampled - Dry
MW05	11/9/2022	2211176	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	NS	NS	NS	
<b>Allard North (Former Well Jack Area)</b>													
MW06	11/9/2022	2211176	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	NS	NS	NS	
MW07	11/9/2022	2211176	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	NS	NS	NS	
MW08	11/9/2022	2211176	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	NS	NS	NS	

Notes:

- 1). The environmental cleanup standards for groundwater that are applicable to this site are the Colorado Oil and Gas Conservation Commission (COGCC) standards for contaminants in groundwater according to Table 915-1 of the COGCC 900 Series Rule for E&P Waste Management.
- 2). Standards are taken from the Colorado Department of Public Health and Environment - Water Quality Control Commission, 5 CCR 1002-41, Table A - Groundwater Organic Chemical Standards.

**Bold** values indicate an exceedance of the COGCC groundwater standards for the Site.

µg/L = micrograms per liter.

mg/L = milligrams per liter.

NS = Not Sampled

NA = Not Applicable

**TABLE 3  
HISTORICAL GROUNDWATER ANALYTICAL RESULTS  
FOUNDATION ENERGY ALLARD 30-8-5  
JACKSON COUNTY, COLORADO**

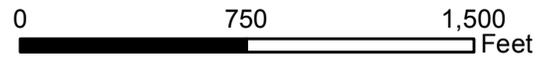
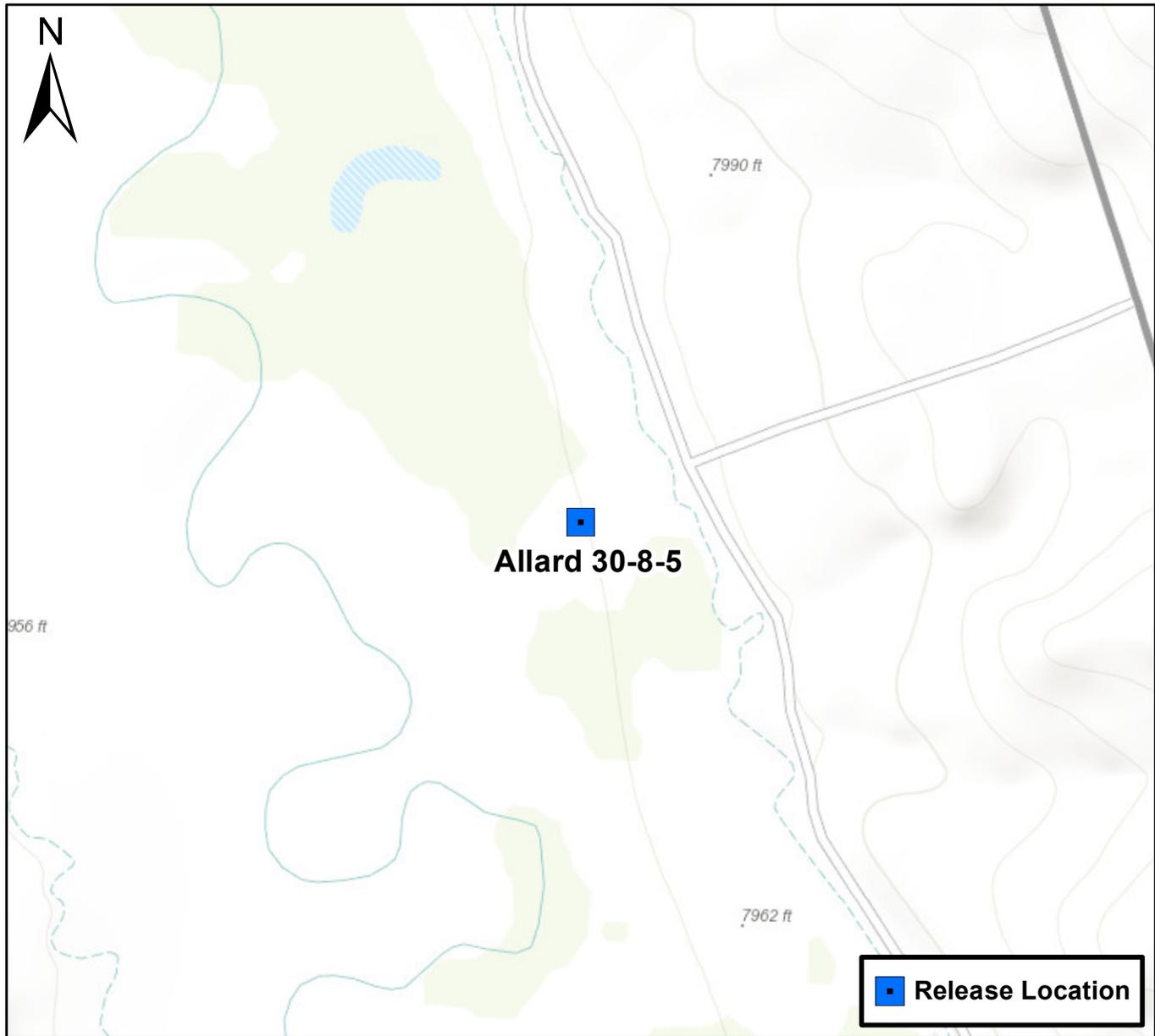
Location Identification	Sample Date	Lab Report	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Total Xylenes (µg/l)	1,2,4-Trimethylbenzene (µg/l)	1,3,5-Trimethylbenzene (µg/l)	Naphthalene (µg/l)	Total Dissolved Solids (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	Comments
COGCC Standards (µg/L) <sup>(1)</sup>			5	560	700	1,400	67	67	140	(<1.25 x local background)	(250 mg/l or <1.25 x local background)	(250 mg/l or <1.25 x local background)	
<b>Allard South (Former Battery and Treater Area)</b>													
MW01	5/20/2021	2105346	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	727	64.2	134	
MW01	8/24/2021	2108336	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	NS	NS	NS	
MW01	11/16/2021	2111297	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	NS	NS	NS	
MW01	2/18/2022	2202254	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	NS	NS	NS	
MW01	5/13/2022	2205220	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	1,300	58.2	136	
MW01	11/9/2022	2211176	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	NS	NS	NS	
MW02	5/20/2021	2105346	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	342	15.2	84.0	Upgradient background well
MW02	8/24/2021	2108336	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	NS	NS	NS	Upgradient background well
MW02	11/16/2021	2111297	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	NS	NS	NS	Upgradient background well
MW02	2/18/2022	2202254	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	NS	NS	NS	Upgradient background well
MW02	5/13/2022	2205220	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	323	4.70	43.1	Upgradient background well
MW02	11/9/2022	2211176	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	NS	NS	NS	
MW03	5/20/2021	2105346	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	317	14.4	107	
MW03	8/24/2021	2108336	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	NS	NS	NS	
MW03	11/16/2021	2111297	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	NS	NS	NS	
MW03	2/18/2022	2202254	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	NS	NS	NS	
MW03	5/13/2022	2205220	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	354	8.88	21.0	
MW03	11/9/2022	2211176	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	NS	NS	NS	
MW04	5/20/2021	2105346	<1.0	<1.0	<1.0	<2.0	<1.0	3.8	<1.0	346	10.2	83.4	
MW04	8/24/2021	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	Not Sampled - Dry
MW04	11/16/2021	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	Not Sampled - Dry
MW04	2/18/2022	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	Not Sampled - Dry
MW04	5/13/2022	2205220	1.7	<1.0	<1.0	33	31	6.5	26	NS	NS	NS	Insufficient Water Column for Inorganics
MW04	11/9/2022	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	Not Sampled - Dry
MW05	5/20/2021	2105346	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	317	21.6	67.8	
MW05	8/24/2021	2108336	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	NS	NS	NS	
MW05	11/16/2021	2111297	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	NS	NS	NS	
MW05	2/18/2022	2202254	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	NS	NS	NS	
MW05	5/13/2022	2205220	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	368	5.86	49.9	
MW05	11/9/2022	2211176	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	NS	NS	NS	
SW01	5/20/2021	2105347	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	NS	NS	NS	Surface water sample
SW01	5/13/2022	2205220	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	246	4.01	35.2	Surface water sample
<b>Allard North (Former Well Jack Area)</b>													
MW06	5/20/2021	2105346	1.5	<1.0	<1.0	27.0	7.1	25.0	3.7	278	20.2	71.8	
MW06	8/24/2021	2108336	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	NS	NS	NS	
MW06	11/16/2021	2111297	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	NS	NS	NS	
MW06	2/18/2022	2202254	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	NS	NS	NS	
MW06	5/13/2022	2205220	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	255	3.63	25.7	
MW06	11/9/2022	2211176	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	NS	NS	NS	
MW07	5/20/2021	2105346	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	408	2.00	208	
MW07	8/24/2021	2108336	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	NS	NS	NS	
MW07	11/16/2021	2111297	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	NS	NS	NS	
MW07	2/18/2022	2202254	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	NS	NS	NS	
MW07	5/13/2022	2205220	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	285	4.27	29.1	
MW07	11/9/2022	2211176	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	NS	NS	NS	
MW08	5/20/2021	2105346	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	206	19.0	60.4	
MW08	8/24/2021	2108336	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	NS	NS	NS	
MW08	11/16/2021	2111297	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	NS	NS	NS	
MW08	2/18/2022	2202254	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	NS	NS	NS	
MW08	5/13/2022	2205220	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	526	18.6	39.0	
MW08	11/9/2022	2211176	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	NS	NS	NS	
MW09	5/20/2021	2105346	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	308	18.6	117	Upgradient background well
MW09	8/24/2021	2108336	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	NS	NS	NS	Upgradient background well
MW09	11/16/2021	2111297	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	NS	NS	NS	Upgradient background well
MW09	2/18/2022	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	Not sampled - well damaged
MW09	5/13/2022	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	Not sampled - well damaged
MW09	11/9/2022	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	Not sampled - well abandoned
SW02	5/13/2022	2205220	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	280	5.89	60.3	Surface water sample

Notes:

1). The environmental cleanup standards for groundwater that are applicable to this site are the Colorado Oil and Gas Conservation Commission (COGCC) standards for contaminants in groundwater according to Table 915-1 of the COGCC 900 Series Rule for E&P Waste Management.

2). Standards are taken from the Colorado Department of Public Health and Environment - Water Quality Control Commission, 5 CCR 1002-41, Table A - Groundwater Organic Chemical Standards.

**Bold** values indicate an exceedance of the COGCC groundwater standards for the Site.



## Figure 1

Site Location Map  
 Allard 30-8-5  
 SENE S30 T10N R79W  
 Jackson County, Colorado





DATE:	March 2022
DESIGNED BY:	B. Humphrey
DRAWN BY:	J. Clonts


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

**Foundation Energy Inc.**  
**Allard 30-8-5**  
 SENE, Section 30, Township 10 North, Range 79 South  
 Jackson County, Colorado

Site Overview Map

Figure  
2



DATE:	December 2022
DESIGNED BY:	J. Watts
DRAWN BY:	L. Reed


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

**Foundation Energy Inc.**  
**Allard 30-8-5 South**  
 SENE, Section 30, Township 10 North, Range 79 South  
 Jackson County, Colorado

Groundwater Elevation  
 Contour Map  
 (November 9, 2022)

**Figure**  
**3**



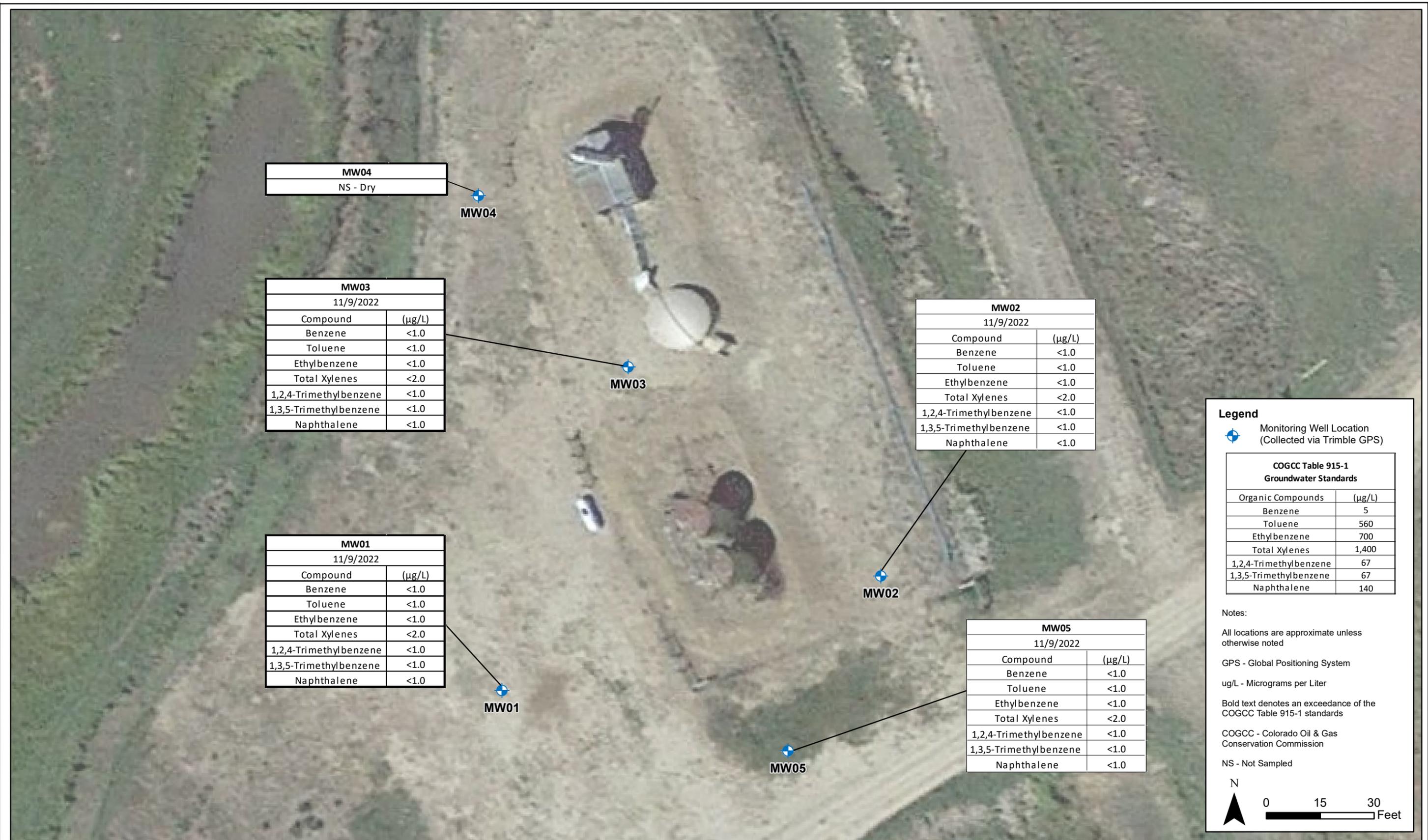
DATE:	December 2022
DESIGNED BY:	J. Watts
DRAWN BY:	L. Reed


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

**Foundation Energy Inc.**  
**Allard 30-8-5 North**  
 SENE, Section 30, Township 10 North, Range 79 South  
 Jackson County, Colorado

Groundwater Elevation  
 Contour Map  
 (November 9, 2022)

**Figure**  
**4**



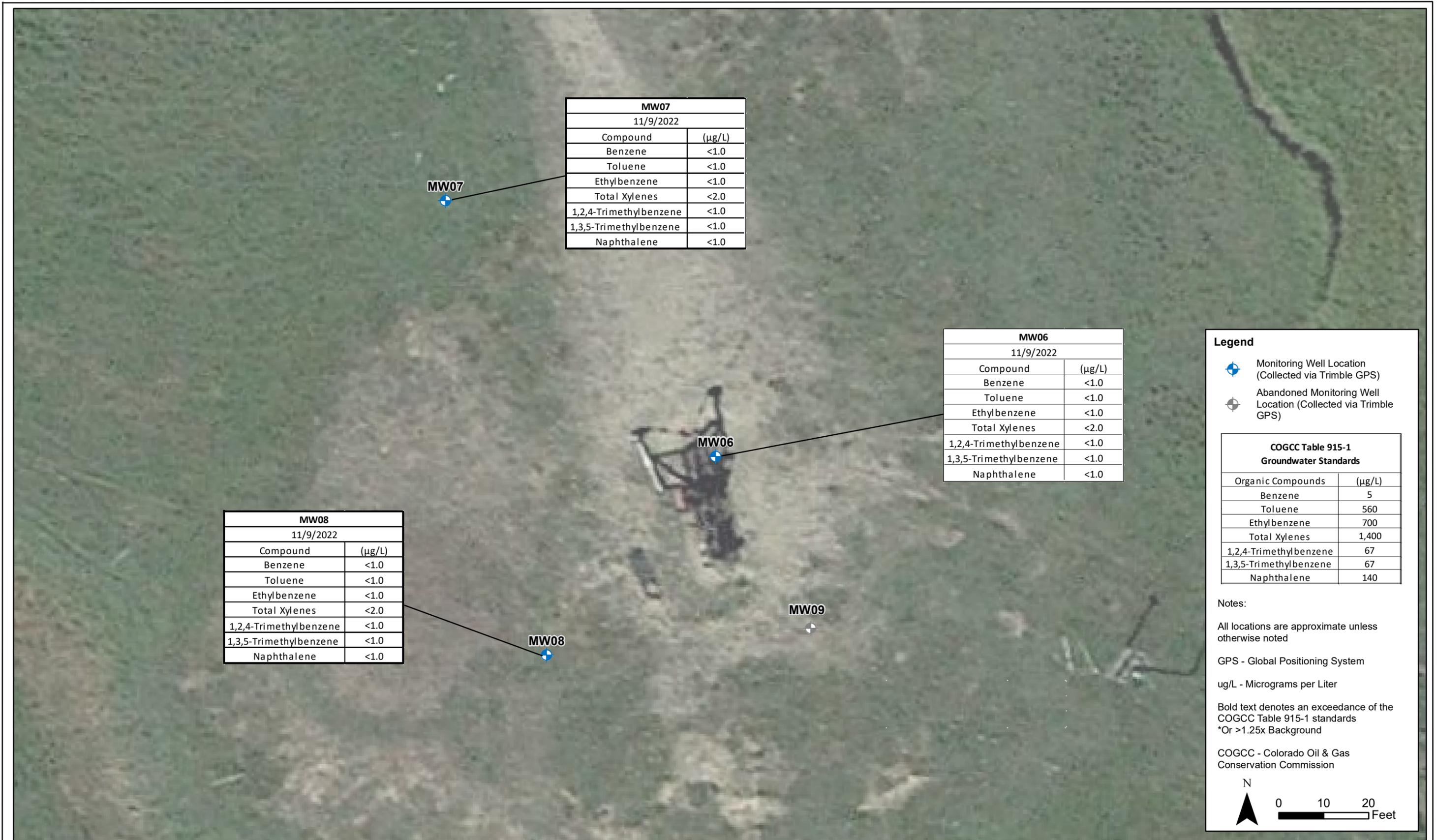
DATE: December 2022  
 DESIGNED BY: J. Watts  
 DRAWN BY: L. Reed

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

**Foundation Energy Inc.**  
**Allard 30-8-5 South**  
 SENE, Section 30, Township 10 North, Range 79 South  
 Jackson County, Colorado

Groundwater Analytical  
 Results Map  
 (November 9, 2022)

Figure  
 5



DATE: December 2022

DESIGNED BY: J. Watts

DRAWN BY: L. Reed

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

**Foundation Energy Inc.**  
**Allard 30-8-5 North**  
 SENE, Section 30, Township 10 North, Range 79 South  
 Jackson County, Colorado

Groundwater Analytical  
 Results Map  
 (November 9, 2022)

Figure  
 6

# Summit Scientific

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4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

November 15, 2022

Alyssa Beard  
Foundation Energy  
1801 Broadway, Suite 1500  
Denver, CO 80202

RE: Allard 30-8-5

Work Order #2211176

Enclosed are the results of analyses for samples received by Summit Scientific on 11/09/22 17:15. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Mikayla Axtell For Paul Shrewsbury  
President



Foundation Energy  
1801 Broadway, Suite 1500  
Denver CO, 80202

Project: Allard 30-8-5

Project Number: [none]  
Project Manager: Alyssa Beard

**Reported:**  
11/15/22 13:59

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW01	2211176-01	Water	11/09/22 11:19	11/09/22 17:15
MW02	2211176-02	Water	11/09/22 11:17	11/09/22 17:15
MW03	2211176-03	Water	11/09/22 11:33	11/09/22 17:15
MW05	2211176-04	Water	11/09/22 11:35	11/09/22 17:15
MW06	2211176-05	Water	11/09/22 11:57	11/09/22 17:15
MW07	2211176-06	Water	11/09/22 12:02	11/09/22 17:15
MW08	2211176-07	Water	11/09/22 11:54	11/09/22 17:15

Summit Scientific

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

# Summit Scientific

2211176

S<sub>2</sub>

4653 Table Mountain Drive ♦ Golden, Colorado 80403  
303-277-9310

Page 1 of 1

Client: Foundation Energy / Tasman Geoscience

Project Manager: Alyssa Beard / Job Watts

Address: 6855 W. 119th Ave

E-Mail: jwatts@tasman-geo.com; vscruggs@tasman-geo.com

City/State/Zip: Broomfield CO 800

A.Beard@foundationenergy.com

Phone: (303) 520-0298

Project Name: Allard 30-8-5

Sampler Name: C. Girardi, T. Galloway

Project Number: -

ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative				Matrix				Analysis Requested				Special Instructions
					HCl	HNO3	None	Other	Water	Soil	Air-Canister #	Other	Table 4/5-1				
1	MW01	11/9/22	1119	3			X		X				X				
2	MW02		1117				X		X				X				
3	MW03		1133				X		X				X				
4	MW05		1135				X		X				X				
5	MW06		1157				X		X				X				
6	MW07		1202				X		X				X				
7	MW08		1154				X		X				X				
8							X		X				X				
9							X		X				X				
10							X		X				X				

Relinquished by: <i>Chris Girardi</i>	Date/Time: 11/9/22 1614	Received by: <i>Tasman Lock Box</i>	Date/Time: 11/9/22 1614	Turn Around Time (Check) Same Day <input type="checkbox"/> 72 hours <input type="checkbox"/> 24 hours <input type="checkbox"/> Standard <input checked="" type="checkbox"/> 48 hours <input type="checkbox"/> Sample Integrity: Samples Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Notes:
Relinquished by: <i>Tasman Lock Box</i>	Date/Time: 11/9/22 1715	Received by: <i>[Signature]</i>	Date/Time: 11/9/22 1715		
Temperature Upon Receipt: 8.0	Corrected Temperature: 8	HNO3 lot #			
IR gun correction: 0	IR gun #: 1				

S<sub>2</sub>

S2 Work Order# 221176

Sample Receipt Checklist

Client: Foundation/Tasman Client Project ID: Allard 30-8-S

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? <sup>(1)</sup> <b>NOTE:</b> If samples are delivered the same day of sampling, this requirement is met if there is evidence that cooling has begun.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>on ICE</u>
If custody seals are present, are they intact? <sup>(1)</sup>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
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 <sup>2+</sup> ), Hexavalent Chromium (Cr <sup>6+</sup> , Cr VI), COD/BOD, Total Coliform, E. Coli, Total Residual Chlorine (TRC), Dissolved Oxygen	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is a chain-of-custody (COC) form present and filled out Completely? <sup>(1)</sup>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client w/ date and time recorded? <sup>(1)</sup>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were all samples received intact? <sup>(1)</sup>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided? <sup>(1)</sup>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received? <sup>(1)</sup>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC? <sup>(1)</sup>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace present? <b>If yes, contact client and note in narrative.</b>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are samples preserved that require preservation <b>(excluding cooling)</b> ? <sup>(1)</sup> Note the type of preservative in the comments column – HCl, H <sub>2</sub> SO <sub>4</sub> , NaOH, HNO <sub>3</sub> , etc.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If samples are acid preserved for metals, is the pH ≤ 2? <sup>(1)</sup> 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):

<sup>(1)</sup> If NO, then contact the client before proceeding with analysis and note in case narrative.

[Signature]  
Custodian Printed Name

11-9-22 1715  
Date/Time



Foundation Energy  
1801 Broadway, Suite 1500  
Denver CO, 80202

Project: Allard 30-8-5

Project Number: [none]  
Project Manager: Alyssa Beard

**Reported:**  
11/15/22 13:59

**MW01**  
**2211176-01 (Water)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **11/09/22 11:19**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Benzene	ND	1.0	ug/l	1	BFK0317	11/11/22	11/14/22	EPA 8260B	
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	"	"	"	"	"	"	

Date Sampled: **11/09/22 11:19**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Surrogate: 1,2-Dichloroethane-d4		59.6 %		23-173	"	"	"	"	
Surrogate: Toluene-d8		89.6 %		20-170	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		73.7 %		21-167	"	"	"	"	

Summit Scientific

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Project: Allard 30-8-5

Project Number: [none]  
Project Manager: Alyssa Beard

**Reported:**  
11/15/22 13:59

**MW02**  
**2211176-02 (Water)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **11/09/22 11:17**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	1.0		ug/l	1	BFK0317	11/11/22	11/14/22	EPA 8260B	
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		"	"	"	"	"	"	

Date Sampled: **11/09/22 11:17**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4		60.5 %		23-173		"	"	"	"	
Surrogate: Toluene-d8		89.3 %		20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		74.9 %		21-167		"	"	"	"	

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Project: Allard 30-8-5

Project Number: [none]  
 Project Manager: Alyssa Beard

**Reported:**  
 11/15/22 13:59

**MW03**  
**2211176-03 (Water)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **11/09/22 11:33**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Benzene	ND	1.0	ug/l	1	BFK0317	11/11/22	11/14/22	EPA 8260B	
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	"	"	"	"	"	"	

Date Sampled: **11/09/22 11:33**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Surrogate: 1,2-Dichloroethane-d4		58.4 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		90.8 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		83.3 %	21-167		"	"	"	"	

Summit Scientific

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Project: Allard 30-8-5

Project Number: [none]  
Project Manager: Alyssa Beard

**Reported:**  
11/15/22 13:59

**MW05**  
**2211176-04 (Water)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **11/09/22 11:35**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Benzene	ND	1.0	ug/l	1	BFK0317	11/11/22	11/15/22	EPA 8260B	
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	"	"	"	"	"	"	

Date Sampled: **11/09/22 11:35**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Surrogate: 1,2-Dichloroethane-d4		59.6 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		87.5 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		74.8 %	21-167		"	"	"	"	

Summit Scientific

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Project: Allard 30-8-5

Project Number: [none]  
Project Manager: Alyssa Beard

**Reported:**  
11/15/22 13:59

**MW06**  
**2211176-05 (Water)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **11/09/22 11:57**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Benzene	ND	1.0	ug/l	1	BFK0317	11/11/22	11/15/22	EPA 8260B	
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	"	"	"	"	"	"	

Date Sampled: **11/09/22 11:57**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Surrogate: 1,2-Dichloroethane-d4		59.9 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		88.9 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		74.3 %	21-167		"	"	"	"	

Summit Scientific

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Foundation Energy  
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 Denver CO, 80202

Project: Allard 30-8-5

Project Number: [none]  
 Project Manager: Alyssa Beard

**Reported:**  
 11/15/22 13:59

**MW07**  
**2211176-06 (Water)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **11/09/22 12:02**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Benzene	ND	1.0	ug/l	1	BFK0317	11/11/22	11/15/22	EPA 8260B	
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	"	"	"	"	"	"	

Date Sampled: **11/09/22 12:02**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Surrogate: 1,2-Dichloroethane-d4		60.6 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		87.4 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		71.9 %	21-167		"	"	"	"	

Summit Scientific

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Foundation Energy  
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Project: Allard 30-8-5

Project Number: [none]  
 Project Manager: Alyssa Beard

**Reported:**  
 11/15/22 13:59

**MW08**  
**2211176-07 (Water)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **11/09/22 11:54**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Benzene	ND	1.0	ug/l	1	BFK0317	11/11/22	11/15/22	EPA 8260B	
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	"	"	"	"	"	"	

Date Sampled: **11/09/22 11:54**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Surrogate: 1,2-Dichloroethane-d4		60.2 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		88.7 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		69.8 %	21-167		"	"	"	"	

Summit Scientific

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Foundation Energy  
1801 Broadway, Suite 1500  
Denver CO, 80202

Project: Allard 30-8-5

Project Number: [none]  
Project Manager: Alyssa Beard

**Reported:**  
11/15/22 13:59

### Volatile Organic Compounds by EPA Method 8260B - Quality Control

#### Summit Scientific

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

#### Batch BFK0317 - EPA 5030 Water MS

##### Blank (BFK0317-BLK1)

Prepared: 11/11/22 Analyzed: 11/14/22

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	"							
<i>Surrogate: 1,2-Dichloroethane-d4</i>	8.00		"	13.3		60.0	23-173			
<i>Surrogate: Toluene-d8</i>	12.0		"	13.3		89.7	20-170			
<i>Surrogate: 4-Bromofluorobenzene</i>	9.93		"	13.3		74.5	21-167			

##### LCS (BFK0317-BS1)

Prepared: 11/11/22 Analyzed: 11/14/22

Benzene	40.7	1.0	ug/l	33.3		122	51-132			
Toluene	40.6	1.0	"	33.3		122	51-138			
Ethylbenzene	43.1	1.0	"	33.3		129	58-146			
m,p-Xylene	88.3	2.0	"	66.7		132	57-144			
o-Xylene	44.4	1.0	"	33.3		133	53-146			
Naphthalene	23.9	1.0	"	33.3		71.6	70-130			
1,2,4-Trimethylbenzene	39.2	1.0	"	33.3		117	70-130			
1,3,5-Trimethylbenzene	42.7	1.0	"	33.3		128	70-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	8.03		"	13.3		60.2	23-173			
<i>Surrogate: Toluene-d8</i>	12.2		"	13.3		91.2	20-170			
<i>Surrogate: 4-Bromofluorobenzene</i>	10.8		"	13.3		80.6	21-167			

##### Matrix Spike (BFK0317-MS1)

Source: 2211176-01

Prepared: 11/11/22 Analyzed: 11/14/22

Benzene	40.4	1.0	ug/l	33.3	ND	121	34-141			
Toluene	40.2	1.0	"	33.3	ND	121	27-151			
Ethylbenzene	42.5	1.0	"	33.3	ND	127	29-160			
m,p-Xylene	88.5	2.0	"	66.7	ND	133	20-166			
o-Xylene	44.4	1.0	"	33.3	ND	133	33-159			
Naphthalene	28.9	1.0	"	33.3	ND	86.6	70-130			
1,2,4-Trimethylbenzene	39.5	1.0	"	33.3	ND	119	70-130			
1,3,5-Trimethylbenzene	42.9	1.0	"	33.3	ND	129	70-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	8.16		"	13.3		61.2	23-173			
<i>Surrogate: Toluene-d8</i>	12.1		"	13.3		90.8	20-170			
<i>Surrogate: 4-Bromofluorobenzene</i>	10.6		"	13.3		79.7	21-167			

Summit Scientific

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Foundation Energy  
1801 Broadway, Suite 1500  
Denver CO, 80202

Project: Allard 30-8-5

Project Number: [none]  
Project Manager: Alyssa Beard

**Reported:**  
11/15/22 13:59

**Volatile Organic Compounds by EPA Method 8260B - Quality Control**

**Summit Scientific**

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

**Batch BFK0317 - EPA 5030 Water MS**

Matrix Spike Dup (BFK0317-MSD1)	Source: 2211176-01			Prepared: 11/11/22 Analyzed: 11/14/22					
Benzene	40.8	1.0	ug/l	33.3	ND	122	34-141	0.739	30
Toluene	40.6	1.0	"	33.3	ND	122	27-151	1.09	30
Ethylbenzene	42.9	1.0	"	33.3	ND	129	29-160	0.890	30
m,p-Xylene	88.5	2.0	"	66.7	ND	133	20-166	0.00	30
o-Xylene	44.4	1.0	"	33.3	ND	133	33-159	0.0902	30
Naphthalene	29.9	1.0	"	33.3	ND	89.6	70-130	3.47	30
1,2,4-Trimethylbenzene	39.3	1.0	"	33.3	ND	118	70-130	0.558	30
1,3,5-Trimethylbenzene	43.1	1.0	"	33.3	ND	129	70-130	0.558	30
Surrogate: 1,2-Dichloroethane-d4	8.13		"	13.3		61.0	23-173		
Surrogate: Toluene-d8	12.2		"	13.3		91.2	20-170		
Surrogate: 4-Bromofluorobenzene	10.8		"	13.3		80.9	21-167		

Summit Scientific

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Foundation Energy  
1801 Broadway, Suite 1500  
Denver CO, 80202

Project: Allard 30-8-5

Project Number: [none]  
Project Manager: Alyssa Beard

**Reported:**  
11/15/22 13:59

### Notes and Definitions

DET Analyte DETECTED  
ND Analyte NOT DETECTED at or above the reporting limit  
NR Not Reported  
dry Sample results reported on a dry weight basis  
RPD Relative Percent Difference