

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
THIRD QUARTER 2021 GROUNDWATER MONITORING SUMMARY REPORT

ATTACHMENTS

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- 6 Allard 30-8-5 North Former Well Jack Area Groundwater Sample Analytical Map

Attachments

- A Summit Scientific Laboratory Reports:
-2108336 (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	6/25/2021	4.91	-	-	9.31	7,949.31	7,944.40	NC
MW01	7/20/2021	5.84	-	-	9.31	7,949.31	7,943.47	-0.93
MW01	8/24/2021	7.85	-	-	9.31	7,949.31	7,941.46	-2.01
MW01	9/22/2021	8.87	-	-	9.31	7,949.31	7,940.44	-1.02
MW02	6/25/2021	3.64	-	-	8.91	7,949.43	7,945.79	NC
MW02	7/20/2021	4.38	-	-	8.91	7,949.43	7,945.05	-0.74
MW02	8/24/2021	7.24	-	-	8.91	7,949.43	7,942.19	-2.86
MW02	9/22/2021	8.45	-	-	8.91	7,949.43	7,940.98	-1.21
MW03	6/25/2021	5.59	-	-	10.96	7,950.22	7,944.63	NC
MW03	7/20/2021	6.47	-	-	10.96	7,950.22	7,943.75	-0.88
MW03	8/24/2021	8.53	-	-	10.96	7,950.22	7,941.69	-2.06
MW03	9/22/2021	9.68	-	-	10.96	7,950.22	7,940.54	-1.15
MW04	6/25/2021	5.46	-	-	6.43	7,948.97	7,943.51	NC
MW04	7/20/2021	6.42	-	-	6.43	7,948.97	7,942.55	-0.96
MW04	8/24/2021	DRY	-	-	6.43	7,948.97	NC	NC
MW04	9/22/2021	DRY	-	-	6.43	7,948.97	NC	NC
MW05	6/25/2021	4.33	-	-	9.05	7,950.07	7,945.74	NC
MW05	7/20/2021	5.09	-	-	9.05	7,950.07	7,944.98	-0.76
MW05	8/24/2021	7.93	-	-	9.05	7,950.07	7,942.14	-2.84
MW05	9/22/2021	8.72	-	-	9.05	7,950.07	7,941.35	-0.79
MW06	6/25/2021	3.52	-	-	9.02	7,944.76	7,941.24	NC
MW06	7/20/2021	4.51	-	-	9.02	7,944.76	7,940.25	-0.99
MW06	8/24/2021	6.16	-	-	9.02	7,944.76	7,938.60	-1.65
MW06	9/22/2021	6.95	-	-	9.02	7,944.76	7,937.81	-0.79
MW07	6/25/2021	3.98	-	-	8.69	7,944.85	7,940.87	NC
MW07	7/20/2021	5.10	-	-	8.69	7,944.85	7,939.75	-1.12
MW07	8/24/2021	6.64	-	-	8.69	7,944.85	7,938.21	-1.54
MW07	9/22/2021	7.38	-	-	8.69	7,944.85	7,937.47	-0.74
MW08	6/25/2021	4.88	-	-	9.40	7,945.38	7,940.50	NC
MW08	7/20/2021	5.56	-	-	9.18	7,945.16	7,939.60	-0.90
MW08	8/24/2021	6.89	-	-	9.18	7,945.16	7,938.27	-1.33
MW08	9/22/2021	7.56	-	-	9.18	7,945.16	7,937.60	-0.67
MW09	6/25/2021	4.94	-	-	10.01	7,946.19	7,941.25	NC
MW09	7/20/2021	5.95	-	-	10.01	7,946.19	7,940.24	-1.01
MW09	8/24/2021	7.49	-	-	10.01	7,946.19	7,938.70	-1.54
MW09	9/22/2021	8.28	-	-	10.01	7,946.19	7,937.91	-0.79
Average Change in Groundwater Elevation (8/24/2021 - 9/22/2021)								-0.89

Notes:

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
THIRD QUARTER 2021 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) ⁽¹⁾			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)		
Allard South (Former Battery and Treater Area)															
MW01	8/24/2021	2108336	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0		NS	NS	NS		
MW02	8/24/2021	2108336	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0		NS	NS	NS		
MW03	8/24/2021	2108336	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0		NS	NS	NS		
MW04	8/24/2021	NA	NS	NS	NS	NS	NS	NS	NS		NS	NS	NS		Not Sampled - Dry
MW05	8/24/2021	2108336	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0		NS	NS	NS		
Allard North (Former Well Jack Area)															
MW06	8/24/2021	2108336	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0		NS	NS	NS		
MW07	8/24/2021	2108336	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0		NS	NS	NS		
MW08	8/24/2021	2108336	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0		NS	NS	NS		
MW09	8/24/2021	2108336	<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) ⁽¹⁾			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)		
Allard South (Former Battery and Treater Area)															
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		
MW02	5/20/2021	2105346	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0		342	15.2	84.0		
MW02	8/24/2021	2108336	<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		
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
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		
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
Allard North (Former Well Jack Area)															
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		
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		
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		
MW09	5/20/2021	2105346	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0		308	18.6	117		
MW09	8/24/2021	2108336	<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.

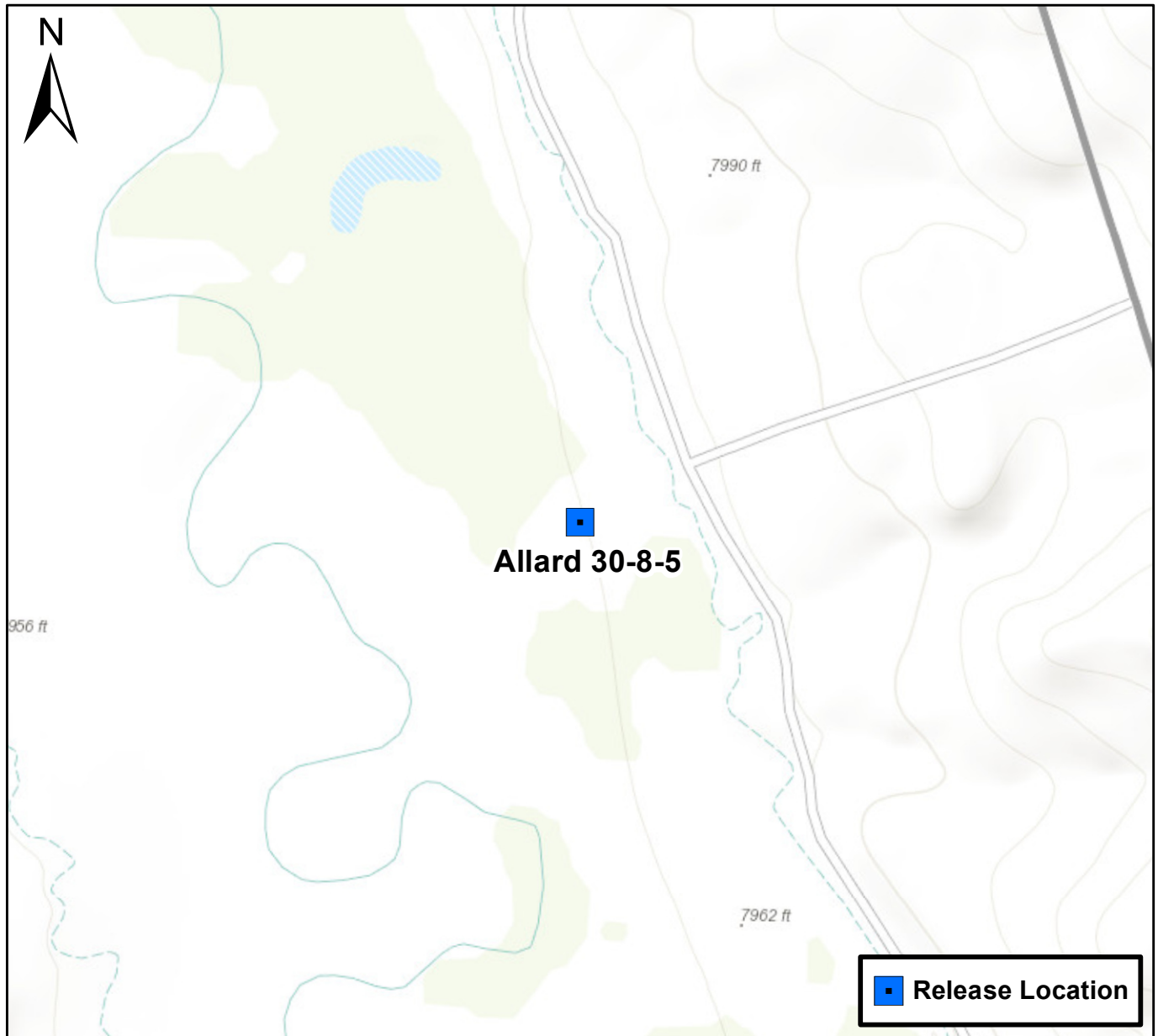
Bold values indicate an exceedance of the COGCC groundwater standards for the Site.

µg/L = micrograms per liter.

mg/L = milligrams per liter.

NS = Not Sampled

NA = Not Applicable

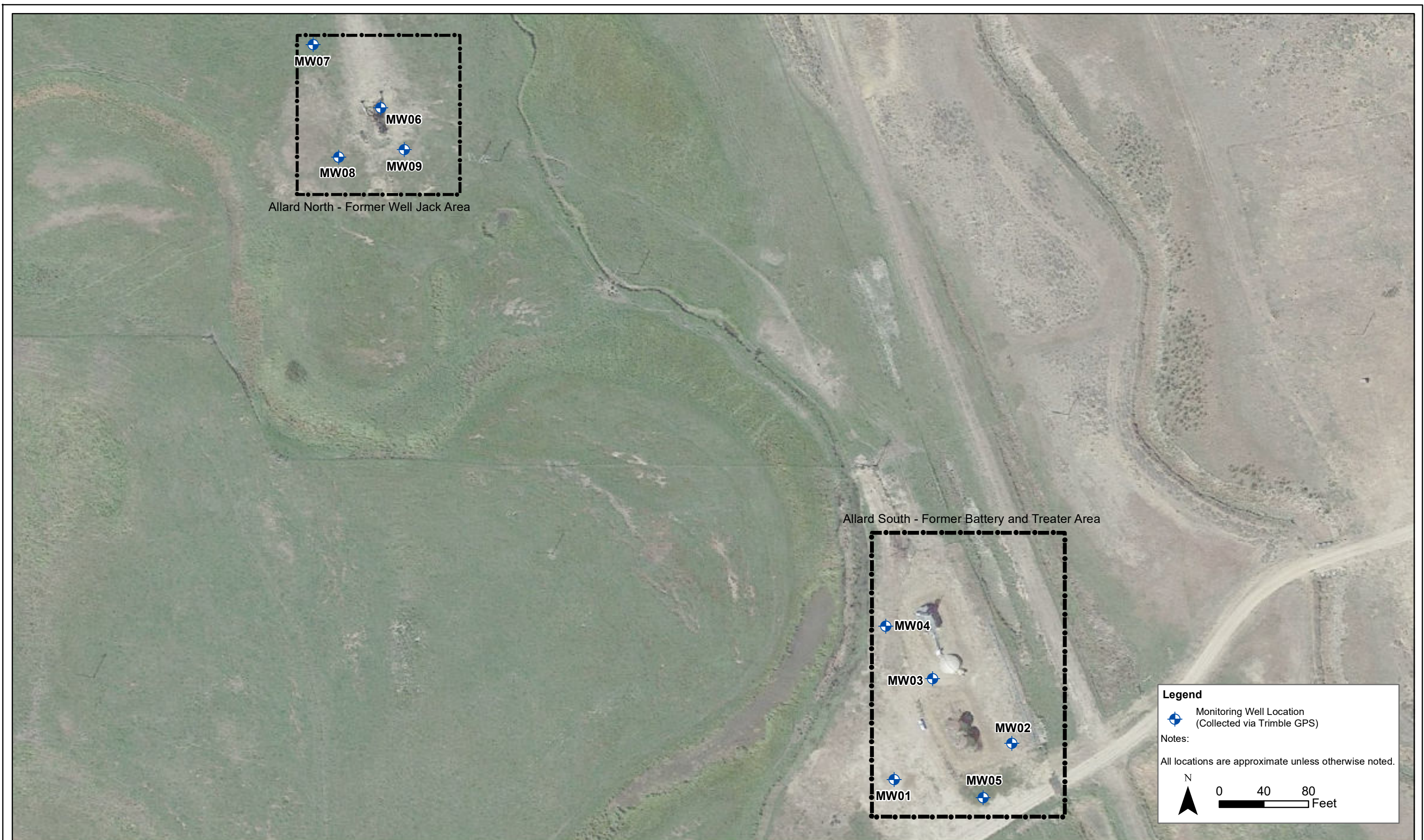


0 750 1,500 Feet

Figure 1

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





DATE:	September 2021
DESIGNED BY:	B. Humphey
DRAWN BY:	C. Ambler



TASMAN
GEOSCIENCES

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

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

Site Location Map

Figure
2



DATE:	September 2021
DESIGNED BY:	B. Humphey
DRAWN BY:	C.Ambler



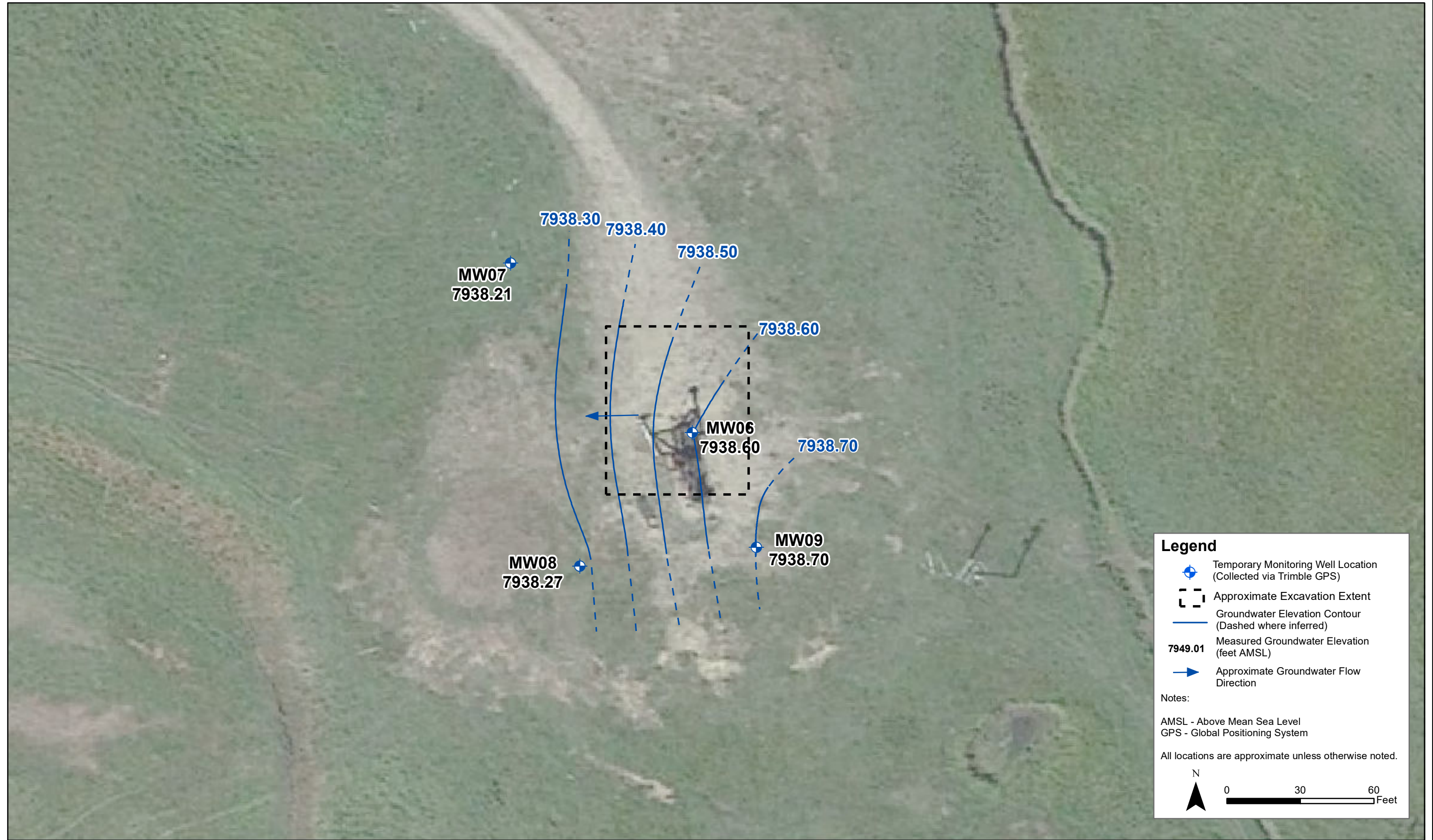
TASMAN
GEOSCIENCES

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

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

Groundwater Elevation
Contour Map
(08/24/2021)

Figure
3



DATE:	September 2021
DESIGNED BY:	B. Humphey
DRAWN BY:	C. Ambler



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

Groundwater Elevation
Contour Map
(08/24/2021)

Figure
4



DATE:	September 2021
DESIGNED BY:	B. Humphey
DRAWN BY:	C. Ambler



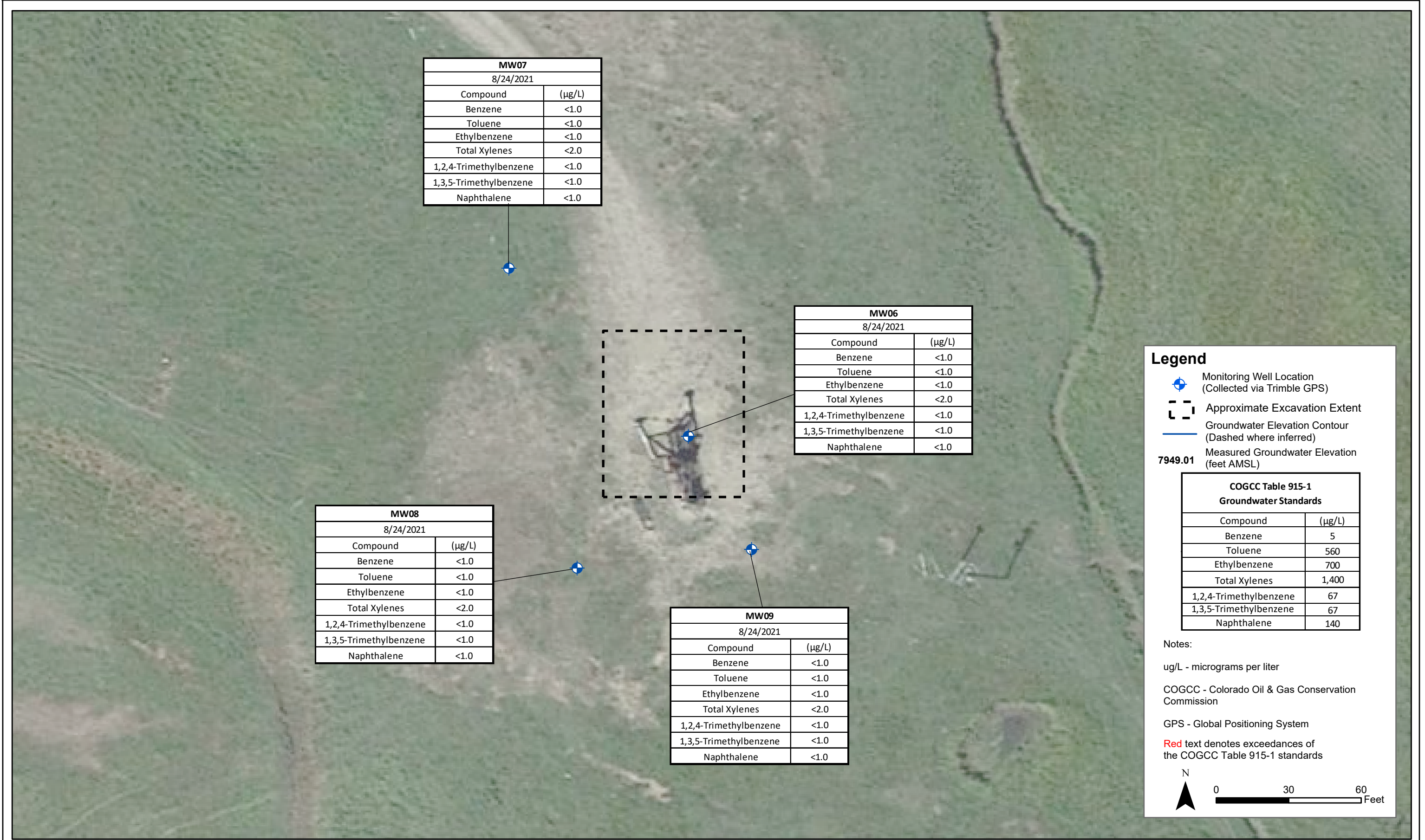
TASMAN
GEOSCIENCES

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

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

Groundwater Sample
Analytical Map
(August 24, 2021)

Figure
5



DATE:	September 2021
DESIGNED BY:	B. Humphey
DRAWN BY:	C. Ambler



TASMAN
GEOSCIENCES

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

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

Groundwater Sample
Analytical Map
(August 24, 2021)

Figure
6

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

September 03, 2021

Jeb Watts

Tasman Geosciences

6855 W. 119th Ave.

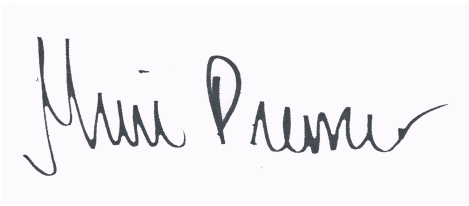
Broomfield, CO 80020

RE: Allard 30-8-5

Work Order #2108336

Enclosed are the results of analyses for samples received by Summit Scientific on 08/24/21 16:15. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, reading "Muri Premier", on a light purple rectangular background.

Muri Premier For Paul Shrewsbury
President



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

Project: Allard 30-8-5

Project Number: [none]
Project Manager: Jeb Watts

Reported:
09/03/21 12:04

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW01	2108336-01	Water	08/24/21 11:12	08/24/21 16:15
MW02	2108336-02	Water	08/24/21 10:56	08/24/21 16:15
MW03	2108336-03	Water	08/24/21 11:15	08/24/21 16:15
MW05	2108336-04	Water	08/24/21 11:00	08/24/21 16:15
MW06	2108336-05	Water	08/24/21 10:33	08/24/21 16:15
MW07	2108336-06	Water	08/24/21 10:20	08/24/21 16:15
MW08	2108336-07	Water	08/24/21 10:15	08/24/21 16:15
MW09	2108336-08	Water	08/24/21 10:32	08/24/21 16:15

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

2108336

S₂

4653 Table Mountain Drive ♦ Golden, Colorado 80403

303-277-9310

Page 1 of 1

Client: Foundation Tasman Geosciences

Project Manager: Alyssa Beard / Jeb Watts

Address: 6855 W. 119th Ave.

E-Mail: abeard@foundationenergy.com ; jwatts@tasman-geo.com ;

City/State/Zip: Broomfield / CO/ 80020

Vscruggs@tasman-geo.com

Phone: 303-487-1228

Project Name: Allard 30-8-5

Sampler Name: Vade Scruggs / Ben Wagner

Project Number: N/A

					Preservative				Matrix				Analysis Requested						Special Instructions
ID	Sample Description	Date Sampled	Time Sampled	# of containers	HCl	HNO3	None	Other	Water	Soil	Air-Canister #	Other	Table 915-1 Organics						
1	MW01	8/24/21	1112	3			3		X				X						
2	MW02		1056																
3	MW03		1115																
4	MW05		1100																
5	MW06		1033																
6	MW07		1020																
7	MW08		1015																
8	MW09		1032																
9																			
10																			

Relinquished by: <u>[Signature]</u>	Date/Time: <u>8/24/21 1615</u>	Received by: <u>[Signature]</u>	Date/Time: <u>8/24/21 1615</u>	Turn Around Time (Check) ___ Same Day 72 hours ___ 24 hours <u>X</u> Standard ___ 48 hours ___ Sample Integrity: Temperature Upon Receipt: <u>0.2</u> Samples Intact: <u>(Yes)</u> No	Notes:
Relinquished by:	Date/Time:	Received by:	Date/Time:		
Relinquished by:	Date/Time:	Received by:	Date/Time:		

2108336

Sample Receipt Checklist

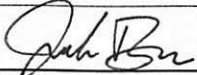
S2 Work Order _____

Client: Foundation / Tasman Client Project ID: Allard 30-8-5Shipped Via: ☒ H.D./P.U./FedEx/UPS/USPS/Other _____ Airbill #: _____Matrix (check all that apply): ☐ Air ☐ Soil/Solid ☒ Water ☐ Other: _____
(Describe)Temp (°C) 0.2

Thermometer ID: 61857155-K

	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature at 4°C +/- 2°C ⁽¹⁾ ? NOTE: If samples are delivered the same day of sampling, this requirement is met provided that there is evidence that cooling has begun.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	On ice.
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"/>	
If custody seals are present, are they intact ⁽¹⁾ ?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are samples with holding times due within 48 hours sample due within 48 hours present?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is a chain-of-custody (COC) form present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
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"/>	
Is the COC properly relinquished by the client w/ date and time recorded ⁽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, H2SO4, NaOH, HNO3, ect	<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.JB
Custodian Printed Name or Initials
Signature of Custodian8/24/21
Date/Time



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

Project: Allard 30-8-5

Project Number: [none]
Project Manager: Jeb Watts

Reported:
09/03/21 12:04

MW01
2108336-01 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **08/24/21 11:12**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	1.0		ug/l	1	BEH0499	08/26/21	08/28/21	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: **08/24/21 11:12**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4		87.9 %		23-173		"	"	"	"	
Surrogate: Toluene-d8		93.2 %		20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		89.9 %		21-167		"	"	"	"	

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: Allard 30-8-5

Project Number: [none]
Project Manager: Jeb Watts

Reported:
09/03/21 12:04

MW02
2108336-02 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **08/24/21 10:56**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	1.0		ug/l	1	BEH0499	08/26/21	08/28/21	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: **08/24/21 10:56**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4		83.1 %		23-173		"	"	"	"	
Surrogate: Toluene-d8		91.0 %		20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		91.2 %		21-167		"	"	"	"	

Summit Scientific

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

Project: Allard 30-8-5

Project Number: [none]
Project Manager: Jeb Watts

Reported:
09/03/21 12:04

MW03
2108336-03 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **08/24/21 11:15**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	1.0	ug/l	1	BEH0499	08/26/21	08/28/21	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: **08/24/21 11:15**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		89.3 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		93.7 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		103 %	21-167		"	"	"	"	

Summit Scientific

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6855 W. 119th Ave.
Broomfield CO, 80020

Project: Allard 30-8-5

Project Number: [none]
Project Manager: Jeb Watts

Reported:
09/03/21 12:04

MW05
2108336-04 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **08/24/21 11:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	1.0	ug/l	1	BEH0499	08/26/21	08/28/21	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: **08/24/21 11:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		90.5 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		92.5 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		92.8 %	21-167		"	"	"	"	

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6855 W. 119th Ave.
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Project: Allard 30-8-5

Project Number: [none]
Project Manager: Jeb Watts

Reported:
09/03/21 12:04

MW06
2108336-05 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **08/24/21 10:33**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	1.0	ug/l	1	BEH0499	08/26/21	08/28/21	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: **08/24/21 10:33**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		91.2 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		89.3 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		92.9 %	21-167		"	"	"	"	

Summit Scientific

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Broomfield CO, 80020

Project: Allard 30-8-5

Project Number: [none]
Project Manager: Jeb Watts

Reported:
09/03/21 12:04

MW07
2108336-06 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **08/24/21 10:20**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	1.0	ug/l	1	BEH0499	08/26/21	08/28/21	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: **08/24/21 10:20**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		93.1 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		91.2 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		92.6 %	21-167		"	"	"	"	

Summit Scientific

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6855 W. 119th Ave.
Broomfield CO, 80020

Project: Allard 30-8-5

Project Number: [none]
Project Manager: Jeb Watts

Reported:
09/03/21 12:04

MW08
2108336-07 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **08/24/21 10:15**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	1.0	ug/l	1	BEH0499	08/26/21	08/28/21	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: **08/24/21 10:15**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		93.2 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		92.3 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		90.9 %	21-167		"	"	"	"	

Summit Scientific

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6855 W. 119th Ave.
Broomfield CO, 80020

Project: Allard 30-8-5

Project Number: [none]
Project Manager: Jeb Watts

Reported:
09/03/21 12:04

MW09
2108336-08 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **08/24/21 10:32**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	1.0	ug/l	1	BEH0499	08/26/21	08/28/21	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: **08/24/21 10:32**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		90.0 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		92.6 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		92.0 %	21-167		"	"	"	"	

Summit Scientific

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6855 W. 119th Ave.
Broomfield CO, 80020

Project: Allard 30-8-5

Project Number: [none]
Project Manager: Jeb Watts

Reported:
09/03/21 12:04

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

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

Batch BEH0499 - EPA 5030 Water MS

Blank (BEH0499-BLK1)

Prepared: 08/26/21 Analyzed: 08/28/21

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	11.8		"	13.3		88.2	23-173			
Surrogate: Toluene-d8	12.9		"	13.3		96.7	20-170			
Surrogate: 4-Bromofluorobenzene	11.8		"	13.3		88.5	21-167			

LCS (BEH0499-BS1)

Prepared: 08/26/21 Analyzed: 08/28/21

Benzene	28.7	1.0	ug/l	33.3		86.0	51-132			
Toluene	32.4	1.0	"	33.3		97.2	51-138			
Ethylbenzene	35.0	1.0	"	33.3		105	58-146			
m,p-Xylene	67.6	2.0	"	66.7		101	57-144			
o-Xylene	33.8	1.0	"	33.3		102	53-146			
Naphthalene	32.8	1.0	"	33.3		98.4	70-130			
1,2,4-Trimethylbenzene	27.9	1.0	"	33.3		83.6	70-130			
1,3,5-Trimethylbenzene	33.5	1.0	"	33.3		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	11.8		"	13.3		88.2	23-173			
Surrogate: Toluene-d8	12.9		"	13.3		96.8	20-170			
Surrogate: 4-Bromofluorobenzene	12.1		"	13.3		91.0	21-167			

Matrix Spike (BEH0499-MS1)

Source: 2108336-01

Prepared: 08/26/21 Analyzed: 08/28/21

Benzene	29.4	1.0	ug/l	33.3	ND	88.1	34-141			
Toluene	31.0	1.0	"	33.3	ND	92.9	27-151			
Ethylbenzene	34.9	1.0	"	33.3	ND	105	29-160			
m,p-Xylene	66.8	2.0	"	66.7	ND	100	20-166			
o-Xylene	34.2	1.0	"	33.3	ND	103	33-159			
Naphthalene	43.3	1.0	"	33.3	ND	130	70-130			
1,2,4-Trimethylbenzene	27.7	1.0	"	33.3	ND	83.0	70-130			
1,3,5-Trimethylbenzene	33.6	1.0	"	33.3	ND	101	70-130			
Surrogate: 1,2-Dichloroethane-d4	12.4		"	13.3		93.0	23-173			
Surrogate: Toluene-d8	12.2		"	13.3		91.4	20-170			
Surrogate: 4-Bromofluorobenzene	11.9		"	13.3		89.4	21-167			

Summit Scientific

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

Project: Allard 30-8-5

Project Number: [none]
Project Manager: Jeb Watts

Reported:
09/03/21 12:04

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Summit Scientific

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

Batch BEH0499 - EPA 5030 Water MS

Matrix Spike Dup (BEH0499-MSD1)	Source: 2108336-01			Prepared: 08/26/21 Analyzed: 08/28/21						
Benzene	28.4	1.0	ug/l	33.3	ND	85.3	34-141	3.25	30	
Toluene	30.1	1.0	"	33.3	ND	90.4	27-151	2.69	30	
Ethylbenzene	34.9	1.0	"	33.3	ND	105	29-160	0.0860	30	
m,p-Xylene	67.3	2.0	"	66.7	ND	101	20-166	0.776	30	
o-Xylene	33.9	1.0	"	33.3	ND	102	33-159	0.851	30	
Naphthalene	35.6	1.0	"	33.3	ND	107	70-130	19.3	30	
1,2,4-Trimethylbenzene	27.8	1.0	"	33.3	ND	83.5	70-130	0.613	30	
1,3,5-Trimethylbenzene	33.4	1.0	"	33.3	ND	100	70-130	0.657	30	
Surrogate: 1,2-Dichloroethane-d4	12.3		"	13.3		92.5	23-173			
Surrogate: Toluene-d8	12.1		"	13.3		90.8	20-170			
Surrogate: 4-Bromofluorobenzene	12.3		"	13.3		92.5	21-167			

Summit Scientific

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

Project: Allard 30-8-5

Project Number: [none]
Project Manager: Jeb Watts

Reported:
09/03/21 12:04

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