

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

Tables

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- 2 Third Quarter 2021 Groundwater Analytical Results
- 3 Historical Groundwater Analytical Results

Figures

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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

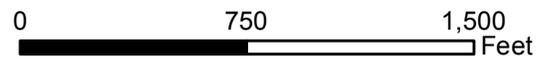
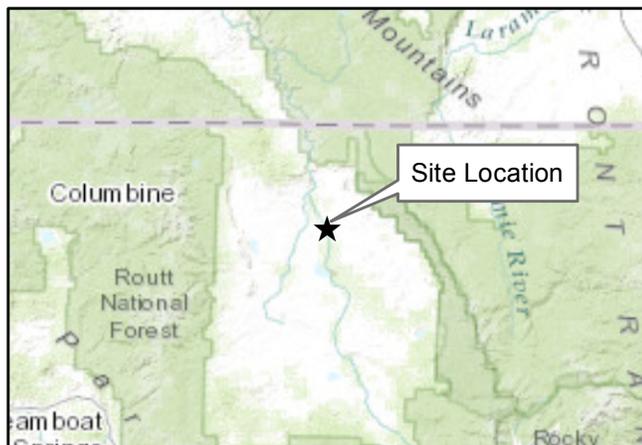
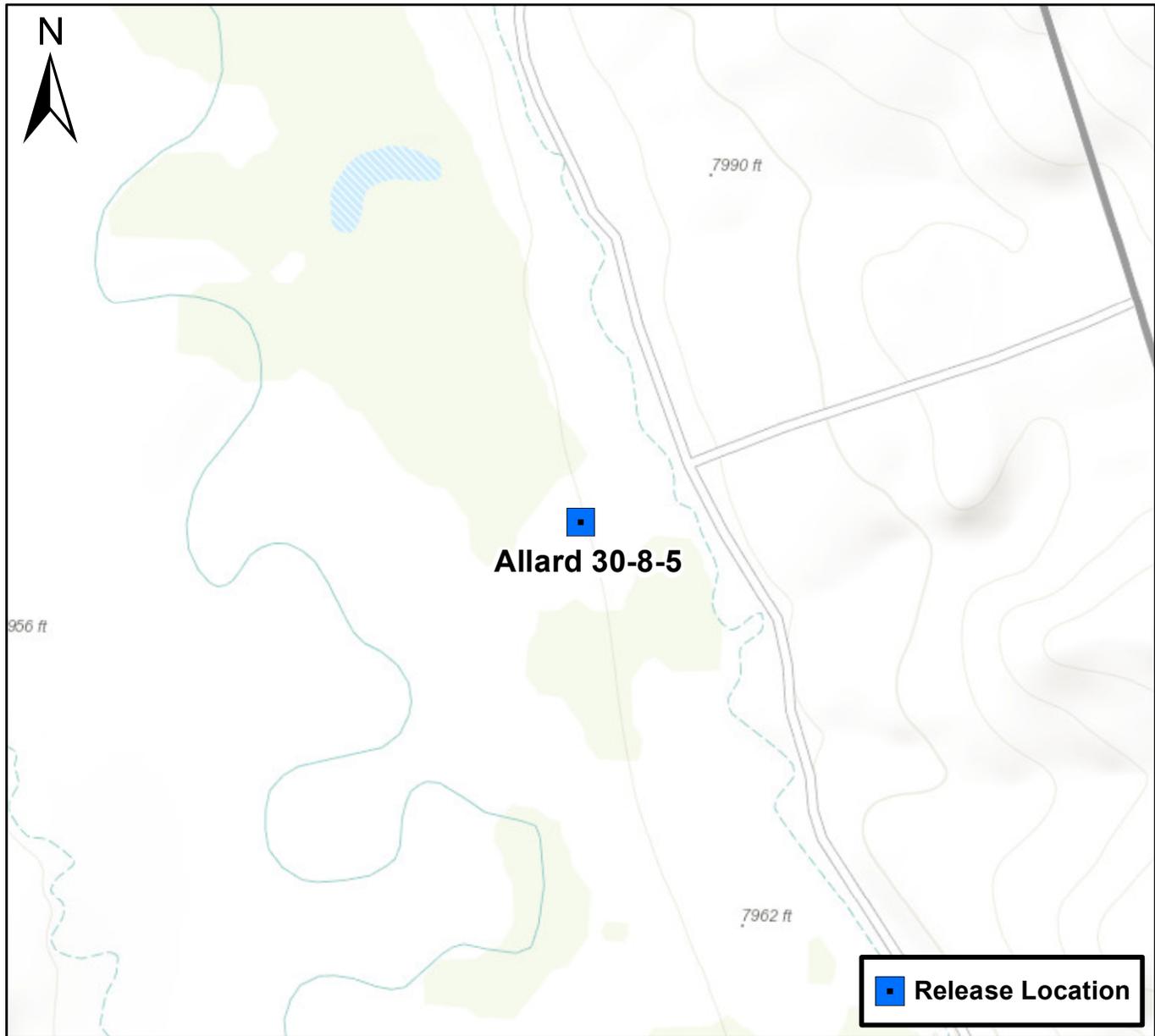


Figure 1

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


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 Elevation
 Contour Map
 (08/24/2021)

Figure
4



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



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

MW07	
8/24/2021	
Compound	(µg/L)
Benzene	<1.0
Toluene	<1.0
Ethylbenzene	<1.0
Total Xylenes	<2.0
1,2,4-Trimethylbenzene	<1.0
1,3,5-Trimethylbenzene	<1.0
Naphthalene	<1.0

MW06	
8/24/2021	
Compound	(µg/L)
Benzene	<1.0
Toluene	<1.0
Ethylbenzene	<1.0
Total Xylenes	<2.0
1,2,4-Trimethylbenzene	<1.0
1,3,5-Trimethylbenzene	<1.0
Naphthalene	<1.0

MW08	
8/24/2021	
Compound	(µg/L)
Benzene	<1.0
Toluene	<1.0
Ethylbenzene	<1.0
Total Xylenes	<2.0
1,2,4-Trimethylbenzene	<1.0
1,3,5-Trimethylbenzene	<1.0
Naphthalene	<1.0

MW09	
8/24/2021	
Compound	(µg/L)
Benzene	<1.0
Toluene	<1.0
Ethylbenzene	<1.0
Total Xylenes	<2.0
1,2,4-Trimethylbenzene	<1.0
1,3,5-Trimethylbenzene	<1.0
Naphthalene	<1.0

- Legend**
-  Monitoring Well Location (Collected via Trimble GPS)
 -  Approximate Excavation Extent
 -  Groundwater Elevation Contour (Dashed where inferred)
 -  Measured Groundwater Elevation (feet AMSL)

7949.01

COGCC Table 915-1 Groundwater Standards	
Compound	(µg/L)
Benzene	5
Toluene	560
Ethylbenzene	700
Total Xylenes	1,400
1,2,4-Trimethylbenzene	67
1,3,5-Trimethylbenzene	67
Naphthalene	140

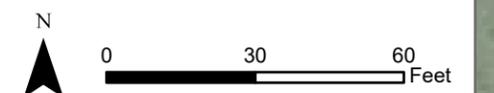
Notes:

ug/L - micrograms per liter

COGCC - Colorado Oil & Gas Conservation Commission

GPS - Global Positioning System

Red text denotes exceedances of the COGCC Table 915-1 standards



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 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 that reads "Muri Premer". The signature is written in a cursive style with a large initial "M" and a long, sweeping underline.

Muri Premer 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

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 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 30-8-5

Shipped 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 Custodian

8/24/21
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		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
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		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Surrogate: 1,2-Dichloroethane-d4		87.9 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		93.2 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		89.9 %	21-167		"	"	"	"	

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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

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		"	"	"	"	

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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		"	"	"	"	

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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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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		"	"	"	"	

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

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

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

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			

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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	Notes
	Result	Limit	Units	Level	Result	%REC	Limits	RPD		

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		

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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

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