

**FIRST QUARTER 2024 SITE MONITORING DATA**  
**THOMPSON 28-10**

**ECMC SPILL TRACKING # 483966**  
**ECMC REMEDIATION # 25228**

Prepared for:



2115 117th Avenue  
Greeley, CO 80631

Prepared by:



6855 W. 119<sup>th</sup> Ave  
Broomfield, CO 80020

**TABLE 1**  
**GROUNDWATER ELEVATION DATA**  
**NOBLE ENERGY, INC. - THOMPSON 28-10 FACILITY**



Monitoring Well ID	Date	Top of Casing Elevation (ft. AMSL)	Total Depth (ft. BTOC)	Depth to Water (ft.) <sup>(1)</sup>	Depth to LNAPL (ft.) <sup>(1)</sup>	LNAPL Thickness (ft.)	Groundwater Elevation* (ft. AMSL)
BH01	06/19/23	4741.45	19.21	9.30	ND	ND	4732.28
BH01	09/01/23	4741.45	19.18	8.83	ND	ND	4732.75
BH01	12/06/23	4741.45	19.21	9.19	ND	ND	4732.39
BH01	03/11/24	4741.45	19.13	11.31	ND	ND	4731.27
BH02	06/19/23	4742.57	18.92	9.97	ND	ND	4732.86
BH02	09/01/23	4742.57	18.90	9.76	ND	ND	4733.07
BH02	12/06/23	4742.57	18.85	10.27	ND	ND	4732.56
BH02	03/11/24	4742.57	18.62	12.51	ND	ND	4731.32
BH03	06/19/23	4740.56	18.83	8.76	ND	ND	4731.97
BH03	09/01/23	4740.56	18.51	8.08	ND	ND	4732.65
BH03	12/06/23	4740.56	18.50	8.50	ND	ND	4732.23
BH03	03/11/24	4740.56	18.48	10.60	ND	ND	4731.13
BH04	06/19/23	4740.18	18.66	8.52	ND	ND	4731.82
BH04	09/01/23	4740.18	18.61	7.95	ND	ND	4732.39
BH04	12/06/23	4740.18	18.44	9.02	ND	ND	4731.32
BH04	03/11/24	4740.18	18.22	10.22	ND	ND	4731.12
BH05	06/19/23	4741.49	19.22	9.02	ND	ND	4732.63
BH05	09/01/23	4741.49	19.20	8.40	ND	ND	4733.25
BH05	12/06/23	4741.49	18.89	9.16	ND	ND	4732.49
BH05	03/11/24	4741.49	18.93	11.34	ND	ND	4731.31
BH06	06/19/23	4740.28	18.33	8.36	ND	ND	4732.15
BH06	09/01/23	4740.28	18.25	7.78	ND	ND	4732.73
BH06	12/06/23	4740.28	18.24	8.18	ND	ND	4732.33
BH06	03/11/24	4740.28	18.18	10.31	ND	ND	4731.20

**Notes:**

<sup>(1)</sup> Depth to water measurements were collected from top of casing and adjusted using survey data to reflect depth of water from ground surface.

\* Groundwater elevation was corrected for product thickness (when present) using the following calculation:

$$\text{Groundwater elevation} = (\text{TOC Elevation} - \text{Measured Depth to Water}) + (\text{LNAPL Thickness in Well} \times \text{LNAPL Relative Density})$$

LNAPL relative density was estimated to be 0.75

**Definitions:**

- ft. = Feet
- AMSL = Above mean sea level
- BTOC = Below top of casing
- BGS = Below ground surface
- LNAPL = Light non-aqueous phase liquid
- ND = No LNAPL detected

TABLE 2  
GROUNDWATER ANALYTICAL DATA



NOBLE ENERGY, INC. - THOMPSON 28-10 FACILITY

Monitoring Well ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Naphthalene (µg/L)	1,2,4-TMB (µg/L)	1,3,5-TMB (µg/L)	2-M (µg/L)	TDS (mg/L)	Chloride Ion (mg/L)	Sulfate Ion (mg/L)
ECMC Standard <sup>(1)</sup>		5	560	700	1,400	140	67	67	3.6 <sup>(2)</sup>	<1.25 x Background	250 or <1.25 x Background	250 or <1.25 x Background
BH01	06/19/23	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<0.500	993	246	266
BH01	09/01/23	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<0.500	1,260	257	208
BH01	12/06/23	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<0.500	806	220	197
BH01	03/11/24	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<0.500	865	197	152
<sup>(3)</sup> BH02	06/19/23	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<0.500	1,020	289	270
<sup>(3)</sup> BH02	09/01/23	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<0.500	1,630	345	328
<sup>(3)</sup> BH02	12/06/23	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<0.500	755	208	159
<sup>(3)</sup> BH02	03/11/24	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<0.500	844	185	151
BH03	06/19/23	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<0.500	855	204	241
BH03	09/01/23	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<0.500	1,120	260	156
BH03	12/06/23	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<0.500	863	215	219
BH03	03/11/24	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<0.500	910	202	152
BH04	06/19/23	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<0.500	804	210	236
BH04	09/01/23	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<0.500	1,180	256	168
BH04	12/06/23	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<0.500	770	205	180
BH04	03/11/24	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<0.500	864	198	149
BH05	06/19/23	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<0.500	991	291	270
BH05	09/01/23	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<0.500	1,210	232	214
BH05	12/06/23	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<0.500	717	208	156
BH05	03/11/24	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<0.500	898	196	168
<sup>(3)</sup> BH06	06/19/23	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<0.500	1,020	280	299
<sup>(3)</sup> BH06	09/01/23	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<0.500	1,300	243	263
<sup>(3)</sup> BH06	12/06/23	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<0.500	763	216	161
<sup>(3)</sup> BH06	03/11/24	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<0.500	778	196	155

Notes:

<sup>(1)</sup> Groundwater standards referenced from 2 CCR 404-1, Table 915-1 (January 15, 2021).

<sup>(2)</sup> Groundwater standards referenced from USEPA Regional Screening Level (RSL) Resident Tapwater Table (TR=1E-06, HQ=0.1) November 2022.

<sup>(3)</sup> Monitoring well used for inorganic background levels.

Definitions:

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

ECMC = Energy and Carbon Management Commission

USEPA = United States Environmental Protection Agency

mg/L = Milligrams per liter

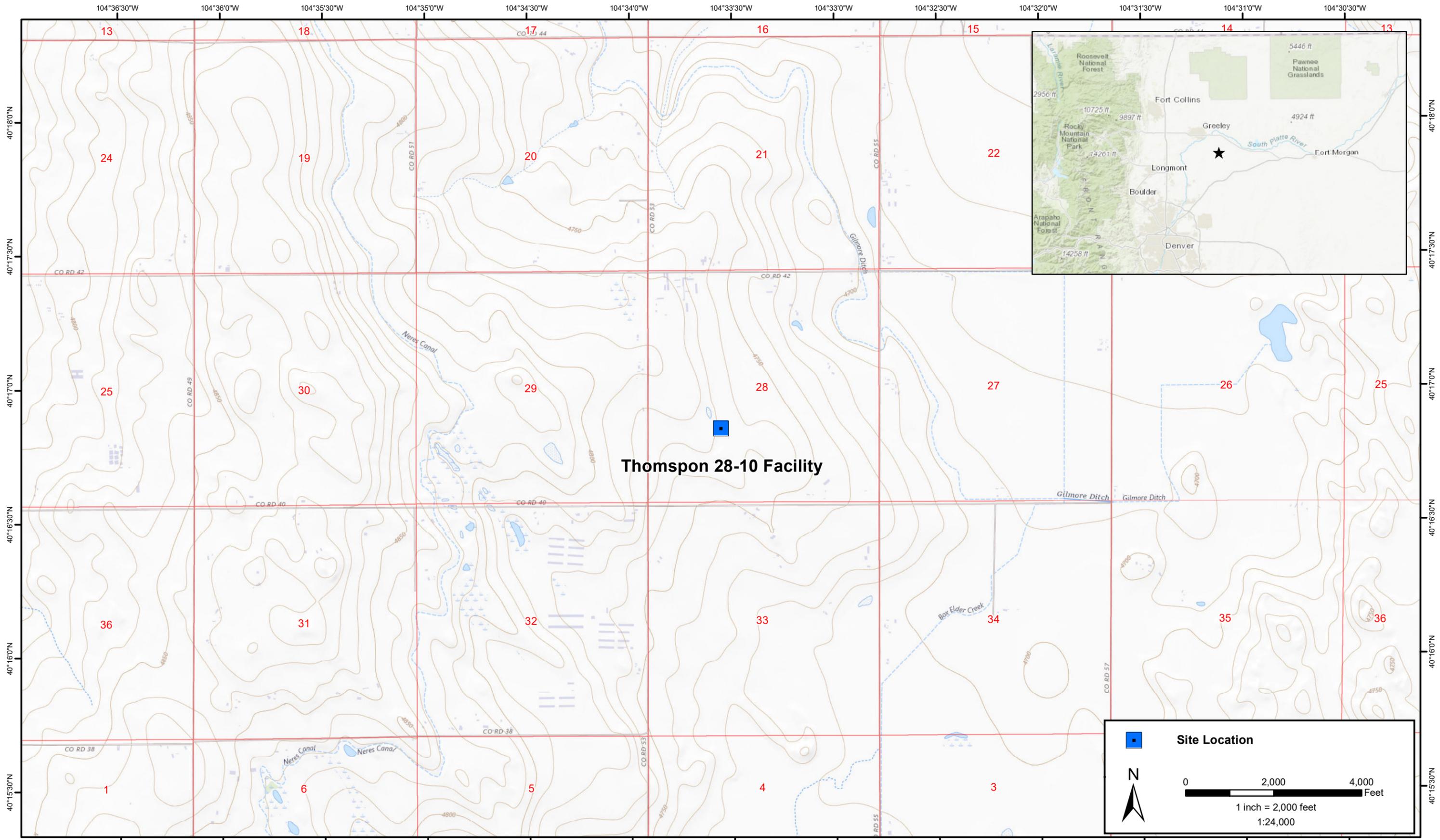
µg/L = Micrograms per liter

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

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

2-M = 2-Methylnaphthalene

TDS = Total Dissolved Solids



DATE:	March 2023
DESIGNED BY:	S. Vogt
DRAWN BY:	L. Reed



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

**Noble Energy, Inc - DJ Basin**  
**Thomson 28-10 Facility**  
 NESW Sec 28 T4N-R64W  
 Weld County, Colorado

Site Location Map

Figure  
1



DATE:	03/20/2024
DESIGNED BY:	JW
DRAWN BY:	HM



**Tasman, Inc.**  
6855 W 119<sup>th</sup> Avenue  
Broomfield, CO 80020

**Noble Energy, Inc. – DJ Basin  
Thompson 28-10 Facility**  
NESW, Section 28, Township 4 North, Range 64 West  
Weld County, Colorado

Site Overview Map

FIGURE  
2



**Legend**

- Monitoring Well Location (Collected via Trimble GPS)
- Excavation Extent (Collected via Trimble GPS)
- Groundwater Elevation Contour (Dashed where Inferred)
- Measured Groundwater Elevation – (ft. amsl)
- Approximate Groundwater Flow Direction

**Notes**

- 1) All locations are approximate unless otherwise noted.
- 2) Buried infrastructure has been spatially projected.

GPS – Global Positioning System  
Ft. amsl – Feet above mean sea level

0 ft. 15 ft. 30 ft.

Image Source: Google Earth; Google 2020

DATE: 03/15/2024

DESIGNED BY: JW

DRAWN BY: J. Woffinden

**TASMAN**  
Tasman, Inc.  
6855 W 119<sup>th</sup> Avenue  
Broomfield, CO 80020

**Noble Energy, Inc. – DJ Basin**  
**Thompson 28-10 Facility**  
NESW, Section 28, Township 4 North, Range 64 West  
Weld County, Colorado

Groundwater Potentiometric  
Surface Contour Map  
(03/11/2024)

**FIGURE**  
3

BH02	
Compound	03/11/24
Benzene (ug/L)	<1.0
Toluene (ug/L)	<1.0
Ethylbenzene (ug/L)	<1.0
Total Xylenes (ug/L)	<2.0
Naphthalene (ug/L)	<1.0
1,2,4-TMB (ug/L)	<1.0
1,3,5-TMB (ug/L)	<1.0
2-M (ug/L)	<0.500
TDS (mg/L)	844
Chloride (mg/L)	185
Sulfate (mg/L)	151

BH01	
Compound	03/11/24
Benzene (ug/L)	<1.0
Toluene (ug/L)	<1.0
Ethylbenzene (ug/L)	<1.0
Total Xylenes (ug/L)	<2.0
Naphthalene (ug/L)	<1.0
1,2,4-TMB (ug/L)	<1.0
1,3,5-TMB (ug/L)	<1.0
2-M (ug/L)	<0.500
TDS (mg/L)	865
Chloride (mg/L)	197
Sulfate (mg/L)	152

BH05	
Compound	03/11/24
Benzene (ug/L)	<1.0
Toluene (ug/L)	<1.0
Ethylbenzene (ug/L)	<1.0
Total Xylenes (ug/L)	<2.0
Naphthalene (ug/L)	<1.0
1,2,4-TMB (ug/L)	<1.0
1,3,5-TMB (ug/L)	<1.0
2-M (ug/L)	<0.500
TDS (mg/L)	898
Chloride (mg/L)	196
Sulfate (mg/L)	168

BH03	
Compound	03/11/24
Benzene (ug/L)	<1.0
Toluene (ug/L)	<1.0
Ethylbenzene (ug/L)	<1.0
Total Xylenes (ug/L)	<2.0
Naphthalene (ug/L)	<1.0
1,2,4-TMB (ug/L)	<1.0
1,3,5-TMB (ug/L)	<1.0
2-M (ug/L)	<0.500
TDS (mg/L)	910
Chloride (mg/L)	202
Sulfate (mg/L)	152

BH06	
Compound	03/11/24
Benzene (ug/L)	<1.0
Toluene (ug/L)	<1.0
Ethylbenzene (ug/L)	<1.0
Total Xylenes (ug/L)	<2.0
Naphthalene (ug/L)	<1.0
1,2,4-TMB (ug/L)	<1.0
1,3,5-TMB (ug/L)	<1.0
2-M (ug/L)	<0.500
TDS (mg/L)	778
Chloride (mg/L)	196
Sulfate (mg/L)	155

BH04	
Compound	03/11/24
Benzene (ug/L)	<1.0
Toluene (ug/L)	<1.0
Ethylbenzene (ug/L)	<1.0
Total Xylenes (ug/L)	<2.0
Naphthalene (ug/L)	<1.0
1,2,4-TMB (ug/L)	<1.0
1,3,5-TMB (ug/L)	<1.0
2-M (ug/L)	<0.500
TDS (mg/L)	864
Chloride (mg/L)	198
Sulfate (mg/L)	149



**Legend**

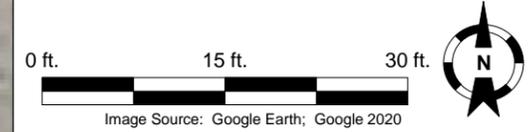
- Monitoring Well Location (Collected via Trimble GPS)
- Excavation Extent (Collected via Trimble GPS)

**Notes**

- 1) All locations are approximate unless otherwise noted.
- 2) Buried infrastructure has been spatially projected.
- 3) Groundwater standards referenced from USEPA Regional Screening Level (RSL) Resident Tapwater Table (TR=1E-06, HQ=0.1) November 2022.

M – Methylnaphthalene  
 GPS – Global Positioning System  
 mg/L – Milligrams per liter  
 ug/L – Micrograms per liter  
 ECMC – Colorado Energy and Carbon Management Commission  
 USEPA - United States Environmental Protection Agency

Contaminant of Concern	ECMC Concentration Standard
B - Benzene	5 ug/L
T - Toluene	560 ug/L
E - Ethylbenzene	700 ug/L
X – Total Xylenes	1,400 ug/L
N – Naphthalene	140 ug/L
1,2,4-TMB – 1, 2, 4-Trimethylbenzene	67 ug/L
1,3,5-TMB – 1, 3, 5-Trimethylbenzene	67 ug/L
2-Methylnaphthalene	3.6 ug/L <sup>(3)</sup>
TDS – Total Dissolved Solids	1.25 x background
Cl – Chloride Ion	250 mg/L or 1.25 x background
SO <sub>4</sub> – Sulfate Ion	250 mg/L or 1.25 x background



DATE: 03/20/2024  
 DESIGNED BY: JW  
 DRAWN BY: TL

**Tasman, Inc.**  
 6855 W 119<sup>th</sup> Avenue  
 Broomfield, CO 80020

**Noble Energy, Inc. – DJ Basin  
 Thompson 28-10 Facility**  
 NESW, Section 28, Township 4 North, Range 64 West  
 Weld County, Colorado

Groundwater Analytical  
 Results Map  
 (03/11/2024)

FIGURE  
 4

# Summit Scientific

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4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

April 16, 2024

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

RE: Noble - Thompson 28-10

Work Order #2403165

Enclosed are the results of analyses for samples received by Summit Scientific on 03/11/24 17:24. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Paul Shrewsbury  
President



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

Project: Noble - Thompson 28-10

Project Number: UWRWE-A2396-ABN

Project Manager: Jacob Whritenour

**Reported:**  
04/16/24 11:38

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BH01	2403165-01	Water	03/11/24 15:17	03/11/24 17:24
BH02	2403165-02	Water	03/11/24 14:53	03/11/24 17:24
BH03	2403165-03	Water	03/11/24 14:45	03/11/24 17:24
BH04	2403165-04	Water	03/11/24 14:55	03/11/24 17:24
BH05	2403165-05	Water	03/11/24 15:20	03/11/24 17:24
BH06	2403165-06	Water	03/11/24 15:02	03/11/24 17:24

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.*

Client: Noble/Tasman	<b>Send Data To:</b> Project Manager: Jake Whritenour	<b>Send Invoice To:</b> Company: <i>Cherron</i>
Address: 6855 W. 119th Ave.	E-Mail: Jwhritenour@tasman-geo.com	Project Name/Location: <i>Thompson 28-10</i>
City/State/Zip: Broomfield/CO/ 80020		AFE#:
Phone: <i>317745-0601</i>	Project Name: <i>Thompson 28-10</i>	PO/Billing Codes:
Sampler Name: <i>Luke Moran, Molly Parks</i>	Project Number:	Contact: Dan Peterson

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-TMBs	TDS, Cl, SO4	PAHs *	
1	BH01	3/11/24	1517	6	3		3		X				X	X	X	X	
2	BH02		1453														
3	BH03		1445														
4	BH04		1455														
5	BH05		1520														
6	BH06		1502														
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	

Relinquished by: <i>Luke Moran</i>	Date/Time: 3/11/24 1700	Received by: <b>Tasman Lock Box</b>	Date/Time: 3/11/24 1700	TAT Business Days	Field DO	PAHs; Notes: * 2-M
Relinquished by:	Date/Time:	Received by:	Date/Time:	Same Day	Field EC	
<i>Tasman Lock Box</i>	3/12/24 1754	<i>[Signature]</i>	3/12/24 1754	1 Day	Field ORP	
Relinquished by:	Date/Time:	Received by:	Date/Time:	2 Days	Field pH	
				3 Days	Field Temp.	
Temperature Upon Receipt: 7.6	Corrected Temperature: 6	IR gun #: 1	HNO3 lot #:	Standard	X	Field Turb.

S<sub>2</sub>

Sample Receipt Checklist

S2 Work Order# 2403165

Client: Noble Gasman Client Project ID: Thompson 28-10

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> 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? <sup>(1)</sup>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	on 7.6E
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 checked="" type="checkbox"/>	<input 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? 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)? <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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	HCl
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.

AB  
Custodian Printed Name

3/11/24  
Date/Time



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

Project: Noble - Thompson 28-10

Project Number: UWRWE-A2396-ABN  
Project Manager: Jacob Whritenour

**Reported:**  
04/16/24 11:38

**BH01**  
**2403165-01 (Water)**

**Summit Scientific**

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

Date Sampled: **03/11/24 15:17**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	1.0		ug/l	1	BHC0357	03/13/24	03/14/24	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: **03/11/24 15:17**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	9.92	74.4 %		23-173		"	"	"	"	
Surrogate: Toluene-d8	12.8	96.4 %		20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	10.6	79.9 %		21-167		"	"	"	"	

**PAH by EPA Method 8270D SIM**

Date Sampled: **03/11/24 15:17**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
2-Methylnaphthalene	ND	0.500		ug/l	1	BHC0362	03/13/24	03/15/24	EPA 8270D SIM	

Date Sampled: **03/11/24 15:17**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 2-Methylnaphthalene-d10	1.65	82.7 %		40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	1.75	87.4 %		40-150		"	"	"	"	

**Anions by EPA Method 300.0**

Summit Scientific

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

Project: Noble - Thompson 28-10

Project Number: UWRWE-A2396-ABN  
Project Manager: Jacob Whritenour

**Reported:**  
04/16/24 11:38

**BH01**  
**2403165-01 (Water)**

**Summit Scientific**

**Anions by EPA Method 300.0**

Date Sampled: **03/11/24 15:17**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Chloride	<b>197</b>	12.0		mg/L	200	BHC0474	03/15/24	03/16/24	EPA 300.0	
Sulfate	<b>152</b>	60.0		"	"	"	"	"	"	

**Total Dissolved Solids by SM2540C**

Date Sampled: **03/11/24 15:17**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
<b>Total Dissolved Solids</b>	<b>865</b>	10.0		mg/L	1	BHC0353	03/13/24	03/13/24	SM2540C	

Summit Scientific

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Broomfield CO, 80020

Project: Noble - Thompson 28-10  
Project Number: UWRWE-A2396-ABN  
Project Manager: Jacob Whritenour

**Reported:**  
04/16/24 11:38

**BH02**  
**2403165-02 (Water)**

**Summit Scientific**

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

Date Sampled: **03/11/24 14:53**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	1.0		ug/l	1	BHC0357	03/13/24	03/14/24	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: **03/11/24 14:53**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	10.4	78.3 %		23-173		"	"	"	"	
Surrogate: Toluene-d8	12.8	96.4 %		20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	10.9	81.6 %		21-167		"	"	"	"	

**PAH by EPA Method 8270D SIM**

Date Sampled: **03/11/24 14:53**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
2-Methylnaphthalene	ND	0.500		ug/l	1	BHC0362	03/13/24	03/15/24	EPA 8270D SIM	

Date Sampled: **03/11/24 14:53**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 2-Methylnaphthalene-d10	1.50	75.0 %		40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	1.66	83.1 %		40-150		"	"	"	"	

**Anions by EPA Method 300.0**

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Project Manager: Jacob Whritenour

**Reported:**  
04/16/24 11:38

**BH02**  
**2403165-02 (Water)**

**Summit Scientific**

**Anions by EPA Method 300.0**

Date Sampled: **03/11/24 14:53**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chloride	<b>185</b>	12.0	mg/L	200	BHC0474	03/15/24	03/16/24	EPA 300.0	
Sulfate	<b>151</b>	60.0	"	"	"	"	"	"	

**Total Dissolved Solids by SM2540C**

Date Sampled: **03/11/24 14:53**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
<b>Total Dissolved Solids</b>	<b>844</b>	10.0	mg/L	1	BHC0353	03/13/24	03/13/24	SM2540C	

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Project Manager: Jacob Whritenour

**Reported:**  
04/16/24 11:38

**BH03**  
**2403165-03 (Water)**

**Summit Scientific**

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

Date Sampled: **03/11/24 14:45**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	1.0		ug/l	1	BHC0357	03/13/24	03/14/24	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: **03/11/24 14:45**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	10.2	76.6 %		23-173		"	"	"	"	
Surrogate: Toluene-d8	12.9	96.9 %		20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	10.5	78.5 %		21-167		"	"	"	"	

**PAH by EPA Method 8270D SIM**

Date Sampled: **03/11/24 14:45**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
2-Methylnaphthalene	ND	0.500		ug/l	1	BHC0362	03/13/24	03/15/24	EPA 8270D SIM	

Date Sampled: **03/11/24 14:45**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 2-Methylnaphthalene-d10	1.45	72.5 %		40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	1.58	79.2 %		40-150		"	"	"	"	

**Anions by EPA Method 300.0**

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Project: Noble - Thompson 28-10  
Project Number: UWRWE-A2396-ABN  
Project Manager: Jacob Whritenour

**Reported:**  
04/16/24 11:38

**BH03**  
**2403165-03 (Water)**

**Summit Scientific**

**Anions by EPA Method 300.0**

Date Sampled: **03/11/24 14:45**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Chloride	202	12.0		mg/L	200	BHC0474	03/15/24	03/16/24	EPA 300.0	
Sulfate	152	60.0		"	"	"	"	"	"	

**Total Dissolved Solids by SM2540C**

Date Sampled: **03/11/24 14:45**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Total Dissolved Solids	910	10.0		mg/L	1	BHC0353	03/13/24	03/13/24	SM2540C	

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Project: Noble - Thompson 28-10

Project Number: UWRWE-A2396-ABN  
Project Manager: Jacob Whritenour

**Reported:**  
04/16/24 11:38

**BH04**  
**2403165-04 (Water)**

**Summit Scientific**

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

Date Sampled: **03/11/24 14:55**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	1.0		ug/l	1	BHC0357	03/13/24	03/14/24	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: **03/11/24 14:55**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	10.0	75.2 %		23-173		"	"	"	"	
Surrogate: Toluene-d8	12.9	96.6 %		20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	10.5	78.8 %		21-167		"	"	"	"	

**PAH by EPA Method 8270D SIM**

Date Sampled: **03/11/24 14:55**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
2-Methylnaphthalene	ND	0.500		ug/l	1	BHC0362	03/13/24	03/15/24	EPA 8270D SIM	

Date Sampled: **03/11/24 14:55**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 2-Methylnaphthalene-d10	1.60	80.1 %		40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	1.77	88.4 %		40-150		"	"	"	"	

**Anions by EPA Method 300.0**

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Project Number: UWRWE-A2396-ABN

Project Manager: Jacob Whritenour

**Reported:**  
04/16/24 11:38

**BH04**  
**2403165-04 (Water)**

**Summit Scientific**

**Anions by EPA Method 300.0**

Date Sampled: **03/11/24 14:55**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chloride	<b>198</b>	12.0	mg/L	200	BHC0474	03/15/24	03/16/24	EPA 300.0	
Sulfate	<b>149</b>	60.0	"	"	"	"	"	"	

**Total Dissolved Solids by SM2540C**

Date Sampled: **03/11/24 14:55**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
<b>Total Dissolved Solids</b>	<b>864</b>	10.0	mg/L	1	BHC0353	03/13/24	03/13/24	SM2540C	

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Project Number: UWRWE-A2396-ABN  
Project Manager: Jacob Whritenour

**Reported:**  
04/16/24 11:38

**BH05**  
**2403165-05 (Water)**

**Summit Scientific**

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

Date Sampled: **03/11/24 15:20**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	1.0		ug/l	1	BHC0357	03/13/24	03/14/24	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: **03/11/24 15:20**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4	9.98	74.9 %		23-173		"	"	"	"	
Surrogate: Toluene-d8	12.8	95.8 %		20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	10.7	80.6 %		21-167		"	"	"	"	

**PAH by EPA Method 8270D SIM**

Date Sampled: **03/11/24 15:20**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
2-Methylnaphthalene	ND	0.500		ug/l	1	BHC0362	03/13/24	03/15/24	EPA 8270D SIM	

Date Sampled: **03/11/24 15:20**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 2-Methylnaphthalene-d10	1.66	83.2 %		40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	1.95	97.3 %		40-150		"	"	"	"	

**Anions by EPA Method 300.0**

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Project Manager: Jacob Whritenour

**Reported:**  
04/16/24 11:38

**BH05**  
**2403165-05 (Water)**

**Summit Scientific**

**Anions by EPA Method 300.0**

Date Sampled: **03/11/24 15:20**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Chloride	<b>196</b>	12.0	mg/L	200	BHC0474	03/15/24	03/16/24	EPA 300.0	
Sulfate	<b>168</b>	60.0	"	"	"	"	"	"	

**Total Dissolved Solids by SM2540C**

Date Sampled: **03/11/24 15:20**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
<b>Total Dissolved Solids</b>	<b>898</b>	10.0	mg/L	1	BHC0353	03/13/24	03/13/24	SM2540C	

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Project Manager: Jacob Whritenour

**Reported:**  
04/16/24 11:38

**BH06**  
**2403165-06 (Water)**

**Summit Scientific**

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

Date Sampled: **03/11/24 15:02**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	BHC0357	03/13/24	03/14/24	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: **03/11/24 15:02**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4	10.3	77.4 %	23-173		"	"	"	"	
Surrogate: Toluene-d8	12.7	95.1 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene	10.6	79.4 %	21-167		"	"	"	"	

**PAH by EPA Method 8270D SIM**

Date Sampled: **03/11/24 15:02**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
2-Methylnaphthalene	ND	0.500	ug/l	1	BHC0362	03/13/24	03/15/24	EPA 8270D SIM	

Date Sampled: **03/11/24 15:02**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10	1.49	74.5 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10	1.77	88.4 %	40-150		"	"	"	"	

**Anions by EPA Method 300.0**

Summit Scientific

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 Project Number: UWRWE-A2396-ABN  
 Project Manager: Jacob Whritenour

**Reported:**  
 04/16/24 11:38

**BH06**  
**2403165-06 (Water)**

**Summit Scientific**

**Anions by EPA Method 300.0**

Date Sampled: **03/11/24 15:02**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Chloride	<b>196</b>	12.0		mg/L	200	BHC0474	03/15/24	03/16/24	EPA 300.0	
Sulfate	<b>155</b>	60.0		"	"	"	"	"	"	

Summit Scientific

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 6855 W. 119th Ave.  
 Broomfield CO, 80020

Project: Noble - Thompson 28-10

Project Number: UWRWE-A2396-ABN  
 Project Manager: Jacob Whritenour

**Reported:**  
 04/16/24 11:38

**BH06 2403165-06**  
**(Water)**

**Summit Scientific**

**Total Dissolved Solids by SM2540C**

Date Sampled: **03/11/24 15:02**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
<b>Total Dissolved Solids</b>	<b>778</b>	10.0		mg/L	1	BHC0790	03/13/24	03/21/24	SM2540C	

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Project: Noble - Thompson 28-10

Project Number: UWRWE-A2396-ABN  
Project Manager: Jacob Whritenour

**Reported:**  
04/16/24 11:38

### 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 BHC0357 - EPA 5030 Water MS

##### Blank (BHC0357-BLK1)

Prepared & Analyzed: 03/13/24

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	"							
<i>Surrogate: 1,2-Dichloroethane-d4</i>	10.9		"	13.3		82.0	23-173			
<i>Surrogate: Toluene-d8</i>	12.9		"	13.3		96.8	20-170			
<i>Surrogate: 4-Bromofluorobenzene</i>	11.5		"	13.3		86.5	21-167			

##### LCS (BHC0357-BS1)

Prepared & Analyzed: 03/13/24

Benzene	25.9	1.0	ug/l	33.3		77.6	51-132			
Toluene	26.4	1.0	"	33.3		79.2	51-138			
Ethylbenzene	34.6	1.0	"	33.3		104	58-146			
m,p-Xylene	70.6	2.0	"	66.7		106	57-144			
o-Xylene	34.8	1.0	"	33.3		104	53-146			
Naphthalene	26.9	1.0	"	33.3		80.7	70-130			
1,2,4-Trimethylbenzene	26.2	1.0	"	33.3		78.6	70-130			
1,3,5-Trimethylbenzene	25.6	1.0	"	33.3		76.9	70-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	15.6		"	13.3		117	23-173			
<i>Surrogate: Toluene-d8</i>	14.8		"	13.3		111	20-170			
<i>Surrogate: 4-Bromofluorobenzene</i>	17.4		"	13.3		130	21-167			

##### Matrix Spike (BHC0357-MS1)

Source: 2403165-01

Prepared & Analyzed: 03/13/24

Benzene	29.8	1.0	ug/l	33.3	ND	89.3	34-141			
Toluene	30.0	1.0	"	33.3	ND	89.9	27-151			
Ethylbenzene	39.0	1.0	"	33.3	ND	117	29-160			
m,p-Xylene	78.6	2.0	"	66.7	ND	118	20-166			
o-Xylene	34.4	1.0	"	33.3	ND	103	33-159			
Naphthalene	26.8	1.0	"	33.3	ND	80.4	70-130			
1,2,4-Trimethylbenzene	30.5	1.0	"	33.3	ND	91.6	70-130			
1,3,5-Trimethylbenzene	30.4	1.0	"	33.3	ND	91.3	70-130			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	13.2		"	13.3		99.2	23-173			
<i>Surrogate: Toluene-d8</i>	12.5		"	13.3		93.5	20-170			
<i>Surrogate: 4-Bromofluorobenzene</i>	18.8		"	13.3		141	21-167			

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

Project: Noble - Thompson 28-10  
Project Number: UWRWE-A2396-ABN  
Project Manager: Jacob Whritenour

**Reported:**  
04/16/24 11:38

**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 BHC0357 - EPA 5030 Water MS**

Matrix Spike Dup (BHC0357-MSD1)	Source: 2403165-01			Prepared & Analyzed: 03/13/24							
Benzene	29.5	1.0	ug/l	33.3	ND	88.5	34-141	0.844	30		
Toluene	29.6	1.0	"	33.3	ND	88.7	27-151	1.31	30		
Ethylbenzene	33.2	1.0	"	33.3	ND	99.6	29-160	15.9	30		
m,p-Xylene	69.3	2.0	"	66.7	ND	104	20-166	12.6	30		
o-Xylene	32.8	1.0	"	33.3	ND	98.6	33-159	4.46	30		
Naphthalene	27.5	1.0	"	33.3	ND	82.5	70-130	2.61	30		
1,2,4-Trimethylbenzene	25.8	1.0	"	33.3	ND	77.3	70-130	16.9	30		
1,3,5-Trimethylbenzene	26.3	1.0	"	33.3	ND	78.9	70-130	14.6	30		
Surrogate: 1,2-Dichloroethane-d4	10.2		"	13.3		76.3	23-173				
Surrogate: Toluene-d8	12.8		"	13.3		96.1	20-170				
Surrogate: 4-Bromofluorobenzene	12.1		"	13.3		90.5	21-167				

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**PAH by EPA Method 8270D SIM - Quality Control**  
**Summit Scientific**

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

**Batch BHC0362 - EPA 5030 Water MS**

**Blank (BHC0362-BLK1)**

Prepared: 03/13/24 Analyzed: 03/15/24

1-Methylnaphthalene	ND	0.500	ug/l								
2-Methylnaphthalene	ND	0.500	"								
Surrogate: 2-Methylnaphthalene-d10	1.92		"	2.00		95.8	40-150				
Surrogate: Fluoranthene-d10	1.91		"	2.00		95.5	40-150				

**LCS (BHC0362-BS1)**

Prepared: 03/13/24 Analyzed: 03/15/24

1-Methylnaphthalene	1.72	0.500	ug/l	2.00		85.8	30-120				
2-Methylnaphthalene	1.87	0.500	"	2.00		93.7	0-200				
Surrogate: 2-Methylnaphthalene-d10	1.97		"	2.00		98.7	40-150				
Surrogate: Fluoranthene-d10	1.94		"	2.00		96.8	40-150				

**LCS Dup (BHC0362-BSD1)**

Prepared: 03/13/24 Analyzed: 03/15/24

1-Methylnaphthalene	1.42	0.500	ug/l	2.00		71.2	30-120	18.6	30		
2-Methylnaphthalene	1.53	0.500	"	2.00		76.6	0-200	20.0	200		
Surrogate: 2-Methylnaphthalene-d10	1.72		"	2.00		86.0	40-150				
Surrogate: Fluoranthene-d10	1.78		"	2.00		88.8	40-150				

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**Anions by EPA Method 300.0 - Quality Control**  
**Summit Scientific**

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

**Batch BHC0474 - General Preparation**

**Blank (BHC0474-BLK1)**

Prepared & Analyzed: 03/15/24

Chloride	ND	0.0600	mg/L						
Sulfate	ND	0.300	"						

**LCS (BHC0474-BS1)**

Prepared & Analyzed: 03/15/24

Chloride	3.00	0.0600	mg/L	3.00	99.8	90-110		
Sulfate	15.0	0.300	"	15.0	100	90-110		

**Duplicate (BHC0474-DUP1)**

Source: 2403151-01

Prepared & Analyzed: 03/15/24

Chloride	55.8	12.0	mg/L	59.4		6.25	20
Sulfate	663	60.0	"	676		1.91	20

**Matrix Spike (BHC0474-MS1)**

Source: 2403151-01

Prepared & Analyzed: 03/15/24

Chloride	654	12.0	mg/L	600	59.4	99.1	80-120
Sulfate	3680	60.0	"	3000	676	100	80-120

**Matrix Spike (BHC0474-MS2)**

Source: 2403169-01

Prepared & Analyzed: 03/15/24

Chloride	646	12.0	mg/L	600	47.8	99.7	80-120
Sulfate	3290	60.0	"	3000	316	99.0	80-120

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**Reported:**  
04/16/24 11:38

**Total Dissolved Solids by SM2540C - Quality Control**  
**Summit Scientific**

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

**Batch BHC0353 - General Preparation**

<b>Blank (BHC0353-BLK1)</b>				Prepared & Analyzed: 03/13/24						
Total Dissolved Solids	ND	10.0	mg/L							
<b>Duplicate (BHC0353-DUP1)</b>				Prepared & Analyzed: 03/13/24						
Total Dissolved Solids	1310	10.0	mg/L		1330			1.06	20	

**Batch BHC0790 - General Preparation**

<b>Blank (BHC0790-BLK1)</b>				Prepared & Analyzed: 03/21/24						
Total Dissolved Solids	ND	10.0	mg/L							
<b>Duplicate (BHC0790-DUP1)</b>				Prepared & Analyzed: 03/21/24						
Total Dissolved Solids	782	10.0	mg/L		778			0.423	20	

Summit Scientific

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**Reported:**  
04/16/24 11:38

### 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