

**DCP PARMLEE #1  
FOURTH QUARTER 2022  
FORM 27 INITIAL INVESTIGATION REPORT**

**ATTACHMENTS**

**Tables**

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

**Figures**

- |   |   |
|---|---|
| 1 | Site Location Map   |
| 2 | Site Overview Map   |
| 3 | Groundwater Potentiometric Surface Map – December 2, 2022 |
| 4 | Groundwater Analytical Results Map – December 2, 2022     |

**Appendices**

- |   |   |
|---|---|
| A | Laboratory Analytical Report                    |
| - | Origins Laboratory Job #: Y212062 (groundwater) |

**TABLE 1**  
**FOURTH QUARTER 2022**  
**(December 2, 2022)**  
**SUMMARY OF GROUNDWATER ELEVATION DATA**  
**DCP MIDSTREAM - PARMLEE #1**  
**WELD 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 <sup>(1)</sup> (feet)
MW01-R	3/2/2022	DRY	-	-	34.33	4602.19	NC	NC
MW01-R	6/2/2022	33.65	-	-	34.33	4602.19	4,568.54	NC
MW01-R	8/30/2022	33.06	-	-	34.33	4602.19	4,569.13	0.59
MW01-R	12/2/2022	32.57	-	-	34.33	4602.19	4,569.62	0.49
MW02-R	3/2/2022	31.05	-	-	33.54	4603.17	4,572.12	-0.05
MW02-R	6/2/2022	31.19	-	-	33.54	4603.17	4,571.98	-0.14
MW02-R	8/30/2022	31.34	-	-	33.54	4603.17	4,571.83	-0.15
MW02-R	12/2/2022	31.35	-	-	33.54	4603.17	4,571.82	-0.01
MW05-R	3/2/2022	37.49	-	-	41.96	4602.53	4565.04	NC
MW05-R	6/2/2022	35.97	-	-	41.96	4602.53	4566.56	1.52
MW05-R	8/30/2022	34.33	-	-	41.96	4602.53	4568.20	1.64
MW05-R	12/2/2022	33.35	-	-	41.96	4602.53	4569.18	0.98
MW06	3/2/2022	29.79	-	-	32.58	4602.26	4572.47	-0.03
MW06	6/2/2022	29.91	-	-	32.58	4602.26	4572.35	-0.12
MW06	8/30/2022	30.02	-	-	32.58	4602.26	4572.24	-0.11
MW06	12/2/2022	30.09	-	-	32.58	4602.26	4572.17	-0.07
MW07	3/2/2022	DRY	-	-	29.68	4601.20	NC	NC
MW07	6/2/2022	DRY	-	-	29.68	4601.20	NC	NC
MW07	8/30/2022	DRY	-	-	29.68	4601.20	NC	NC
MW07	12/2/2022	DRY	-	-	29.68	4601.20	NC	NC
MW08	3/2/2022	DRY	-	-	32.02	4603.75	NC	NC
MW08	6/2/2022	DRY	-	-	32.02	4603.75	NC	NC
MW08	8/30/2022	DRY	-	-	32.02	4603.75	NC	NC
MW08	12/2/2022	DRY	-	-	32.02	4603.75	NC	NC
MW09	3/2/2022	30.26	-	-	31.95	4599.92	4569.66	0.52
MW09	6/2/2022	30.57	-	-	31.95	4599.92	4569.35	-0.31
MW09	8/30/2022	30.80	-	-	31.95	4599.92	4569.12	-0.23
MW09	12/2/2022	30.09	-	-	31.95	4599.92	4569.83	0.71
Average Change in Groundwater Elevation (6/2/2022 to 12/2/2022)								0.42

Notes:

1- Changes in groundwater elevation calculated by subtracting the measurement collected during the previous monitoring event from the measurement collected during the most recent monitoring event.

amsl = feet above mean sea level

TOC = top of casing

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

LNAPL relative density was assumed to be approximately 0.75

NC = Not calculated

**TABLE 2**  
**FOURTH QUARTER 2022 GROUNDWATER ANALYTICAL RESULTS**  
**(December 2, 2022)**  
**DCP MIDSTREAM - PARMLEE #1**  
**WELD COUNTY, COLORADO**

Location Identification	Sample Date	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)	Comments
COGCC Standards (µg/L)		5	560	700	1,400	67	67	140	
MW01-R	12/2/2022	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	
MW02-R	12/2/2022	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	
MW05-R	12/2/2022	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	
MW06	12/2/2022	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	
MW07	12/2/2022	NS	NS	NS	NS	NS	NS	NS	DRY
MW08	12/2/2022	NS	NS	NS	NS	NS	NS	NS	DRY
MW09	12/2/2022	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	

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.

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

µg/L = micrograms per liter.

NS = Not Sampled

**TABLE 3  
HISTORICAL GROUNDWATER ANALYTICAL RESULTS  
DCP MIDSTREAM - PARMLEE #1  
WELD COUNTY, COLORADO**

Location Identification	Sample Date	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)		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)	
BH01 (MW01)	6/22/2021	3600	4960	978	8300	591	267	107	770	31.2	36.0	
BH01 (MW01)	9/15/2021	2160	1830	326	4890	549	265	88.2	-	-	-	
BH01 (MW01)	3/2/2022	-	-	-	-	-	-	-	-	-	-	Removed During Excavation
MW01-R	3/2/2022	NS	NS	NS	NS	NS	NS	NS	-	-	-	DRY
MW01-R	6/2/2022	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	-	-	-	
MW01-R	8/30/2022	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	-	-	-	
MW01-R	12/2/2022	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	-	-	-	
BH02 (MW02)	6/22/2021	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<16.0	684	<31.2	40.7	
BH02 (MW02)	9/15/2021	<1.00	<1.00	<1.00	<1.00	<4.00	<1.00	<1.00	-	-	-	
BH02 (MW02)	3/2/2022	-	-	-	-	-	-	-	-	-	-	Removed During Excavation
MW02-R	3/2/2022	<1.00	<1.00	3.26	<1.00	7.74	<2.00	<2.00	-	-	-	
MW02-R	6/2/2022	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	-	-	-	
MW02-R	8/30/2022	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	-	-	-	
MW02-R	12/2/2022	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	-	-	-	
BH03 (MW03)	6/22/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<4.00	-	-	-	
BH03 (MW03)	9/15/2021	<1.00	<1.00	<1.00	<1.00	<4.00	<1.00	<1.00	-	-	-	
BH03 (MW03)	3/2/2022	-	-	-	-	-	-	-	-	-	-	Removed During Excavation
BH04 (MW04)	6/22/2021	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<4.00	NS	NS	NS	
BH04 (MW04)	9/15/2021	<1.00	<1.00	<1.00	<1.00	<4.00	<1.00	<1.00	-	-	-	
BH04 (MW04)	3/2/2022	-	-	-	-	-	-	-	-	-	-	Removed During Excavation
BH05 (MW05)	6/22/2021	80.9	<1.00	5.43	320	166	163	24.6	850	38.7	<31.2	
BH05 (MW05)	9/15/2021	7.34	<1.00	70.9	<1.00	<1.00	32.8	22.1	-	-	-	
BH05 (MW05)	3/2/2022	-	-	-	-	-	-	-	-	-	-	Removed During Excavation
MW05-R	3/2/2022	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	-	-	-	
MW05-R	6/2/2022	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	-	-	-	
MW05-R	8/30/2022	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	-	-	-	
MW05-R	12/2/2022	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	-	-	-	
MW06	3/2/2022	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	-	-	-	
MW06	6/2/2022	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	-	-	-	
MW06	8/30/2022	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	-	-	-	
MW06	12/2/2022	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	-	-	-	
MW07	3/2/2022	NS	NS	NS	NS	NS	NS	NS	-	-	-	DRY
MW07	6/2/2022	NS	NS	NS	NS	NS	NS	NS	-	-	-	DRY
MW07	8/30/2022	NS	NS	NS	NS	NS	NS	NS	-	-	-	DRY
MW07	12/2/2022	NS	NS	NS	NS	NS	NS	NS	-	-	-	DRY
MW08	3/2/2022	NS	NS	NS	NS	NS	NS	NS	-	-	-	DRY
MW08	6/2/2022	NS	NS	NS	NS	NS	NS	NS	-	-	-	DRY
MW08	8/30/2022	NS	NS	NS	NS	NS	NS	NS	-	-	-	DRY
MW08	12/2/2022	NS	NS	NS	NS	NS	NS	NS	-	-	-	DRY
MW09	3/2/2022	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	-	-	-	
MW09	6/2/2022	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	-	-	-	
MW09	8/30/2022	NS	NS	NS	NS	NS	NS	NS	-	-	-	Insufficient Volume
MW09	12/2/2022	<1.00	<1.00	<1.00	<1.00	<2.00	<2.00	<2.00	-	-	-	

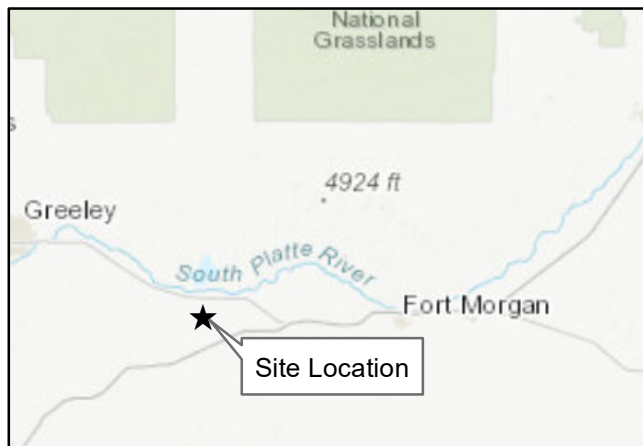
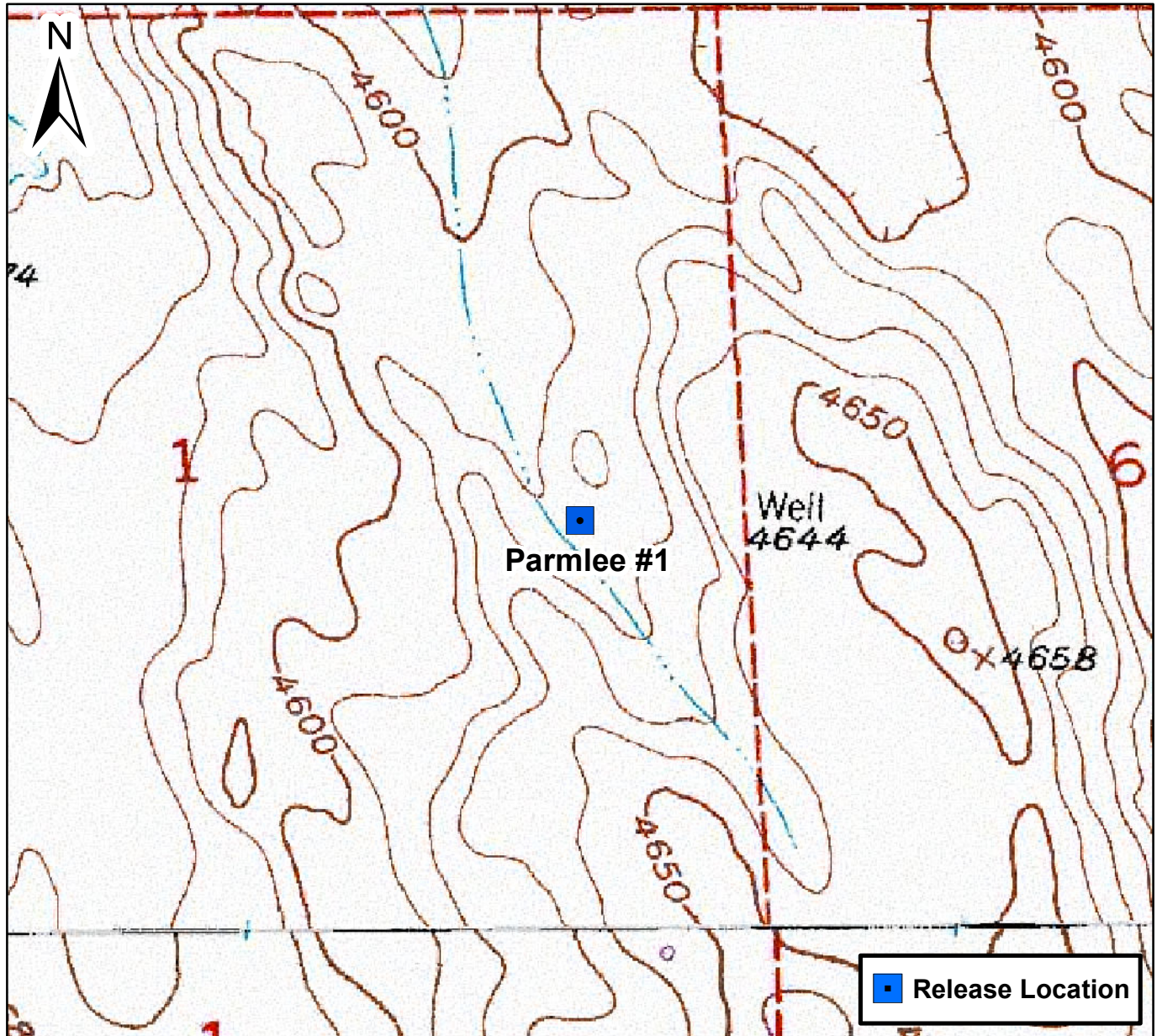
Notes:  
1). The environmental cleanup standards for groundwater that are applicable to this site are the Colorado Oil and Gas Conservation Commission (COGCC) standards for contaminants in groundwater according to Table 915-1 of the COGCC 900 Series Rule for E&P Waste Management.

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

µg/L = micrograms per liter.

NS = Not Sampled





0 750 1,500 Feet

## Figure 1

Site Location Map  
 Parmlee #1  
 SENE S1 T3N R62W  
 Weld County, Colorado







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

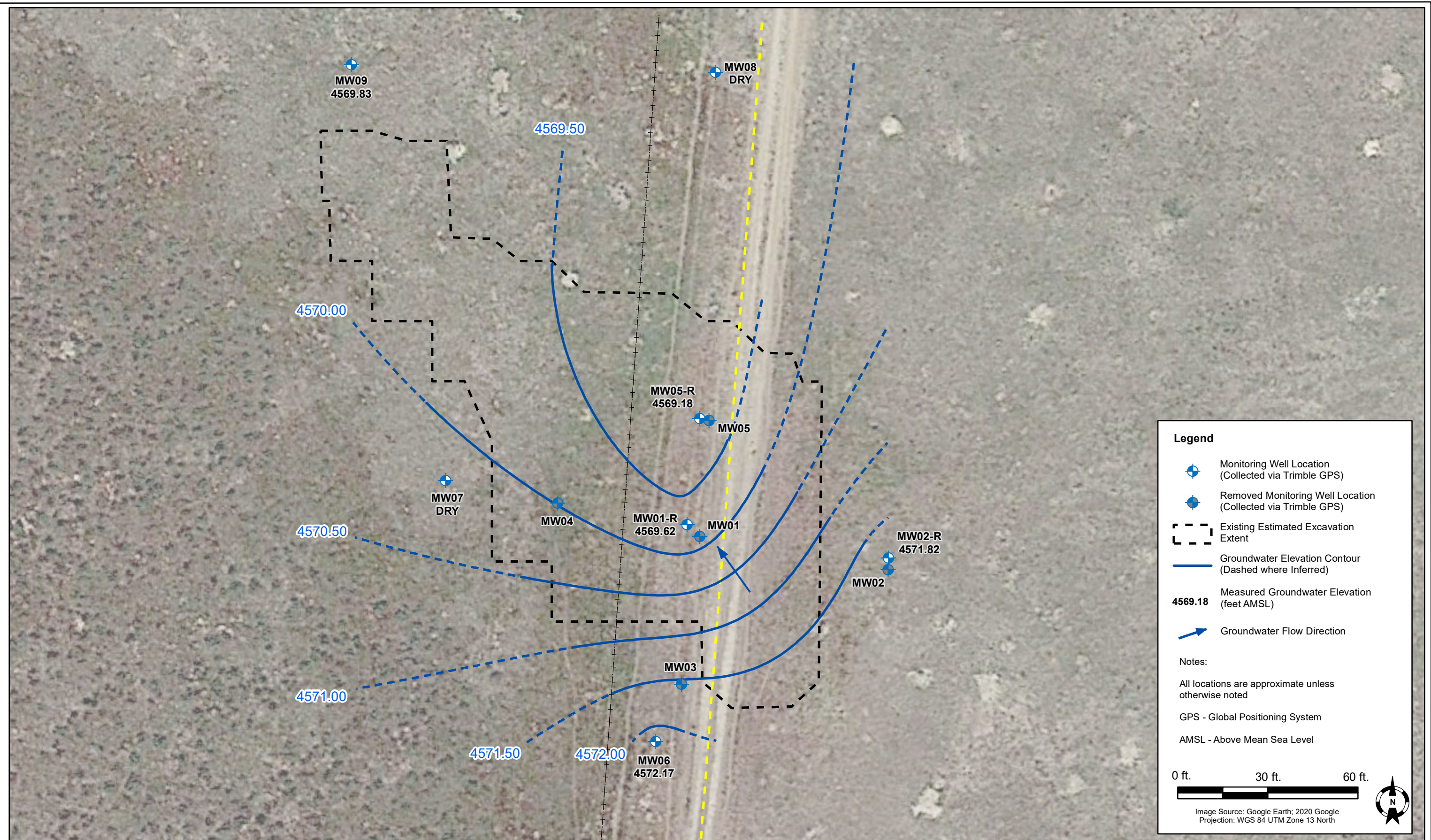
 **TASMAN**  
Tasman, Inc.  
6855 W. 119th Ave  
Broomfield, CO 80020

**DCP Midstream  
Parmlee #1  
S1 T3N R62W  
Weld, Colorado**

Site Overview Map

**Figure  
2**





DATE:	January, 2023
DESIGNED BY:	J. Watts
DRAWN BY:	M. Kaczmarek

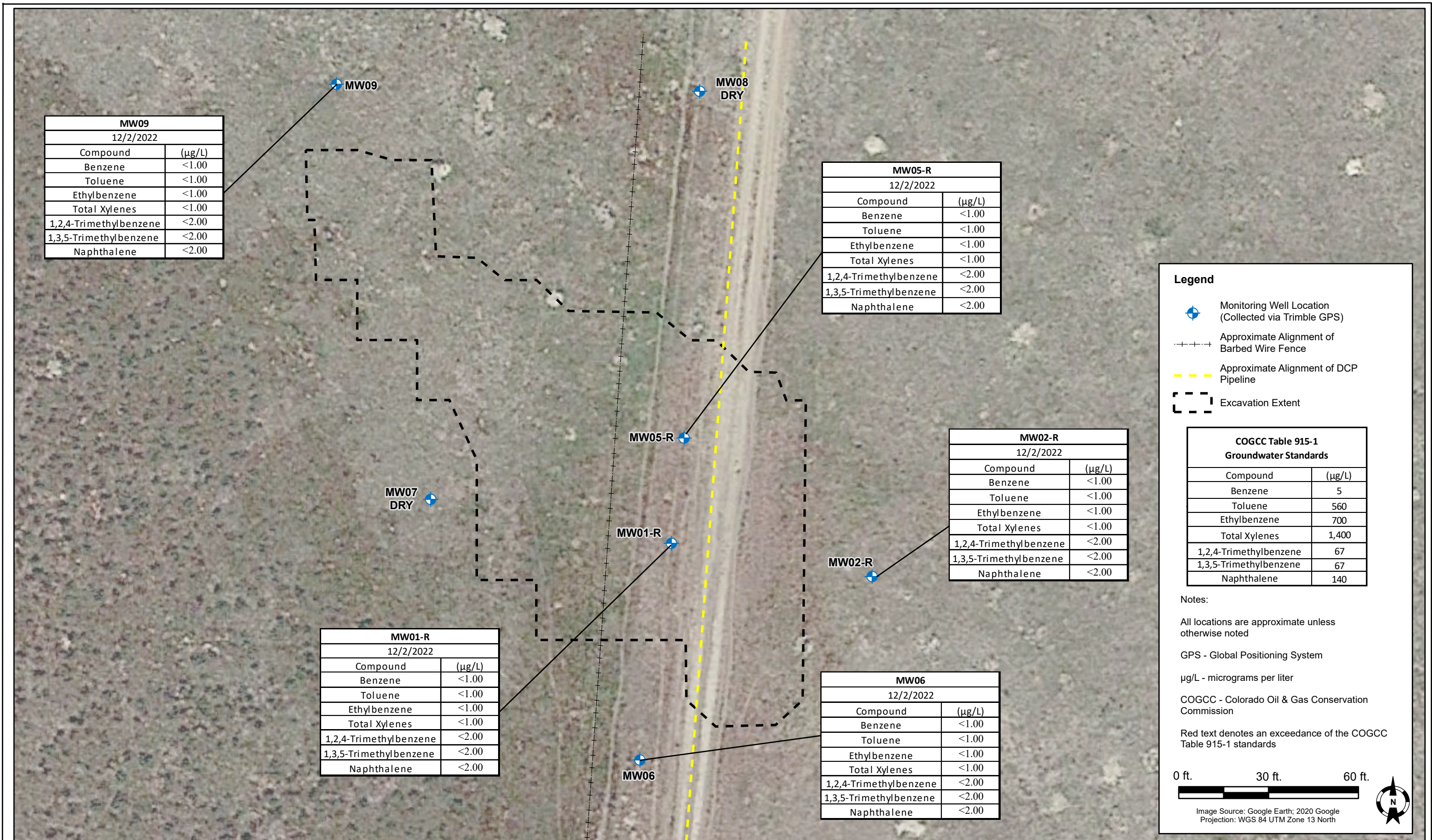
 **TASMAN**  
Tasman, Inc.  
6855 W. 119th Ave  
Broomfield, CO 80020

**DCP Midstream  
Parmlee #1  
S1 T3N R62W  
Weld, Colorado**

**Groundwater Elevation  
Contour Map  
(December 2, 2022)**

**Figure  
3**





DATE:  
January 2023

DESIGNED BY:  
J. Watts

DRAWN BY:  
L. Reed

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

**DCP Midstream  
Parmlee #1  
S1 T3N R62W  
Weld, Colorado**

**Groundwater Analytical  
Results Map  
(December 2, 2022)**

**Figure  
4**





December 09, 2022

Tasman Geosciences

Jeb Watts

6855 West 119th Avenue

Broomfield CO 80020

**Project Name - DCP - Parmlee #1**

**Project Number - [none]**

Attached are your analytical results for DCP - Parmlee #1 received by Origins Laboratory, Inc. December 02, 2022. This project is associated with Origins project number Y212062-01.

The analytical results in the following report were analyzed under the guidelines of EPA Methods. These methods are identified as follows; "SW" are defined in SW-846, "EPA" are defined in 40CFR part 136 and "SM" are defined in the most current revision of Standard Methods For the Examination of Water and Wastewater.

The analytical results apply specifically to the samples and analyses specified per the attached Chain of Custody. As such, this report shall not be reproduced except in full, without the written approval of Origin's laboratory.

Unless otherwise noted, the analytical results for all soil samples are reported on a wet weight basis. All analytical analyses were performed under NELAP guidelines unless noted by a data qualifier.

Any holding time exceedances, deviations from the method specifications or deviations from Origins Laboratory's Standard Operating Procedures are outlined in the case narrative.

Thank you for selecting Origins for your analytical needs. Please contact us with any questions concerning this report, or if we can help with anything at all.

Origins Laboratory, Inc.  
303.433.1322  
o-squad@oelabinc.com



1725 Elk Place, Denver, CO 80211 | Phone: 303.433.1322 | Fax: 303.265.9645

Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Jeb Watts  
Project Number: [none]  
Project: DCP - Parmlee #1

## CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW01-R	Y212062-01	Water	December 2, 2022 13:46	12/02/2022 15:30
MW02-R	Y212062-02	Water	December 2, 2022 13:52	12/02/2022 15:30
MW05-R	Y212062-03	Water	December 2, 2022 13:26	12/02/2022 15:30
MW06	Y212062-04	Water	December 2, 2022 13:38	12/02/2022 15:30
MW09	Y212062-05	Water	December 2, 2022 13:21	12/02/2022 15:30

Origins Laboratory, Inc.



*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 West 119th Avenue  
Broomfield CO 80020

Jeb Watts  
Project Number: [none]  
Project: DCP - Parmlee #1

www.originslaboratory.com

page 1 of 1

**ORIGINS** LABORATORY, INC

Client: DCP Midstream/Tasman  
Address: 6855 W 119th Ave  
Broomfield, CO

Project Manager: Jeb Watts/Steve Weather  
Project Name: Parmlee #1  
Project Number:

Telephone Number: (303) 520-0298  
Email Address: jwatts@tasman-geo.com, sls@tasman-geo.com, sweath@dcpmidstream.com

Samples Collected By: CGTG

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix				Analysis	Sample Instructions
				Unpreserved	HCl	HNO <sub>3</sub>	Other	Groundwater	Soil	Air Summa #	Other		
MW01-R	12/2/22	1346	1	X				X					1
MW02-R		1352	3										2
MW05-R		1326	3										3
MW06		1338	3										4
MW09		1321	2										5

Relinquished By: *Chad Bynon* Date: 12/2/22 Time: 1530  
Received By: *Jeb Watts* Date: 12/2/22 Time: 630

Turnaround Time: Same Day ☐ 24 Hr ☐ 48 Hr ☐ 72 Hr ☐ Standard ☒

Temp Received: 5 Date Results Needed: 5

1725 Elk Place | Denver, CO 80211 | Phone: 303.433.1322 | Fax: 303.265.9645

Origins Laboratory, Inc.

*J Bynon*

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 West 119th Avenue  
Broomfield CO 80020

Jeb Watts  
Project Number: [none]  
Project: DCP - Parmlee #1

Origins Laboratory

F-012207-01-R1  
Effective Date: 01/09/12

**Sample Receipt Checklist**

Origins Work Order: 1212002

Client: Tasman

Client Project ID: Parmlee #1

Checklist Completed by: TSH/DE

Shipped Via: tlp  
(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Date/time completed: 12/09/12

Airbill #: n/a

Matrix(s) Received: (Check all that apply): Soil/Solid ☒ Water ☐ Other: \_\_\_\_\_

Cooler Number/Temperature: 1, 5 °C / 1 °C / 1 °C (Describe) / °C

Thermometer ID: T004

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" 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"/>	
Are short holding time analytes or samples with HTs due within 48 hours present <sup>(1)</sup> ?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is a chain-of-custody (COC) present and filled out completely <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"/>	
Is the COC properly relinquished by the client with date and time recorded <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace (> ¼ inch bubble) 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 and was it checked <sup>(1)</sup> ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontraction analyses in order to insure sample integrity)/(pH < 2 for samples preserved with HNO <sub>3</sub> , HCL, H <sub>2</sub> SO <sub>4</sub> ) / (pH > 10 for samples preserved with NaAsO <sub>2</sub> +NaOH, ZnAc+NaOH)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	not checked
Additional Comments (if any):				

<sup>(1)</sup> If NO, then contact the client before proceeding with analysis and note date/time and person contacted as well as the corrective action to in the additional comments (above) and the case narrative.

Reviewed by (Project Manager) JTB Date/Time Reviewed 12-10-12

Origins Laboratory, Inc.

*J. Bynon*

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 West 119th Avenue  
Broomfield CO 80020

Jeb Watts  
Project Number: [none]  
Project: DCP - Parmlee #1

## MW01-R

12/2/2022 1:46:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	----------	-------

## Origins Laboratory, Inc. Y212062-01 (Water)

### BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	2.00	ug/L	1	B2L0514	JSM	12/05/2022	12/06/2022	U
1,3,5-Trimethylbenzene	ND	2.00	"	"	"	JSM	"	"	U
Benzene	ND	1.00	"	"	"	JSM	"	"	U
Ethylbenzene	ND	1.00	"	"	"	JSM	"	"	U
Naphthalene	ND	2.00	"	"	"	JSM	"	"	U
Toluene	ND	1.00	"	"	"	JSM	"	"	U
Xylenes, total	ND	1.00	"	"	"	JSM	"	"	U

Surrogate: 1,2-Dichloroethane-d4	110 %	70-130	"	"	"
Surrogate: Toluene-d8	97.3 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	103 %	70-130	"	"	"

Origins Laboratory, Inc.



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 West 119th Avenue  
Broomfield CO 80020

Jeb Watts  
Project Number: [none]  
Project: DCP - Parmlee #1

## MW02-R

12/2/2022 1:52:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	----------	-------

## Origins Laboratory, Inc. Y212062-02 (Water)

### BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	2.00	ug/L	1	B2L0514	JSM	12/05/2022	12/06/2022	U
1,3,5-Trimethylbenzene	ND	2.00	"	"	"	JSM	"	"	U
Benzene	ND	1.00	"	"	"	JSM	"	"	U
Ethylbenzene	ND	1.00	"	"	"	JSM	"	"	U
Naphthalene	ND	2.00	"	"	"	JSM	"	"	U
Toluene	ND	1.00	"	"	"	JSM	"	"	U
Xylenes, total	ND	1.00	"	"	"	JSM	"	"	U

Surrogate: 1,2-Dichloroethane-d4	107 %	70-130	"	"	"
Surrogate: Toluene-d8	96.1 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	103 %	70-130	"	"	"

Origins Laboratory, Inc.



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 West 119th Avenue  
Broomfield CO 80020

Jeb Watts  
Project Number: [none]  
Project: DCP - Parmlee #1

## MW05-R

12/2/2022 1:26:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	----------	-------

## Origins Laboratory, Inc. Y212062-03 (Water)

### BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	2.00	ug/L	1	B2L0514	JSM	12/05/2022	12/06/2022	U
1,3,5-Trimethylbenzene	ND	2.00	"	"	"	JSM	"	"	U
Benzene	ND	1.00	"	"	"	JSM	"	"	U
Ethylbenzene	ND	1.00	"	"	"	JSM	"	"	U
Naphthalene	ND	2.00	"	"	"	JSM	"	"	U
Toluene	ND	1.00	"	"	"	JSM	"	"	U
Xylenes, total	ND	1.00	"	"	"	JSM	"	"	U

Surrogate: 1,2-Dichloroethane-d4	106 %	70-130	"	"	"
Surrogate: Toluene-d8	97.3 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	103 %	70-130	"	"	"

Origins Laboratory, Inc.



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 West 119th Avenue  
Broomfield CO 80020

Jeb Watts  
Project Number: [none]  
Project: DCP - Parmlee #1

## MW06

12/2/2022 1:38:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	----------	-------

## Origins Laboratory, Inc. Y212062-04 (Water)

### BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	2.00	ug/L	1	B2L0514	JSM	12/05/2022	12/06/2022	U
1,3,5-Trimethylbenzene	ND	2.00	"	"	"	JSM	"	"	U
Benzene	ND	1.00	"	"	"	JSM	"	"	U
Ethylbenzene	ND	1.00	"	"	"	JSM	"	"	U
Naphthalene	ND	2.00	"	"	"	JSM	"	"	U
Toluene	ND	1.00	"	"	"	JSM	"	"	U
Xylenes, total	ND	1.00	"	"	"	JSM	"	"	U

Surrogate: 1,2-Dichloroethane-d4	109 %	70-130	"	"	"
Surrogate: Toluene-d8	97.5 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	103 %	70-130	"	"	"

Origins Laboratory, Inc.



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 West 119th Avenue  
Broomfield CO 80020

Jeb Watts  
Project Number: [none]  
Project: DCP - Parmlee #1

## MW09

12/2/2022 1:21:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
---------	--------	-----------------	-------	----------	-------	---------	----------	----------	-------

## Origins Laboratory, Inc. Y212062-05 (Water)

### BTEX+N+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	2.00	ug/L	1	B2L0514	JSM	12/05/2022	12/06/2022	U
1,3,5-Trimethylbenzene	ND	2.00	"	"	"	JSM	"	"	U
Benzene	ND	1.00	"	"	"	JSM	"	"	U
Ethylbenzene	ND	1.00	"	"	"	JSM	"	"	U
Naphthalene	ND	2.00	"	"	"	JSM	"	"	U
Toluene	ND	1.00	"	"	"	JSM	"	"	U
Xylenes, total	ND	1.00	"	"	"	JSM	"	"	U

Surrogate: 1,2-Dichloroethane-d4	108 %	70-130	"	"	"
Surrogate: Toluene-d8	98.1 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	104 %	70-130	"	"	"

Origins Laboratory, Inc.



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 West 119th Avenue  
Broomfield CO 80020

Jeb Watts  
Project Number: [none]  
Project: DCP - Parmlee #1

**Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B2L0514 - EPA 5030B (Water)</b>										
<b>Blank (B2L0514-BLK1)</b>					Prepared: 12/05/2022 Analyzed: 12/06/2022					
1,2,4-Trimethylbenzene	ND	2.00	ug/L							U
1,3,5-Trimethylbenzene	ND	2.00	"							U
Benzene	ND	1.00	"							U
Ethylbenzene	ND	1.00	"							U
Naphthalene	ND	2.00	"							U
Toluene	ND	1.00	"							U
Xylenes, total	ND	1.00	"							U
Surrogate: 1,2-Dichloroethane-d4	67		"	62.5		108	70-130			
Surrogate: Toluene-d8	62		"	62.5		98.8	70-130			
Surrogate: 4-Bromofluorobenzene	65		"	62.5		105	70-130			

Origins Laboratory, Inc.



*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 West 119th Avenue  
Broomfield CO 80020

Jeb Watts  
Project Number: [none]  
Project: DCP - Parmlee #1

**Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B2L0514 - EPA 5030B (Water)</b>										
<b>LCS (B2L0514-BS1)</b>					Prepared: 12/05/2022 Analyzed: 12/06/2022					
1,2,4-Trimethylbenzene	41.8	2.00	ug/L	50.0		83.6	70-130			
1,3,5-Trimethylbenzene	43.1	2.00	"	50.0		86.2	70-130			
Benzene	43.9	1.00	"	50.0		87.8	70-130			
Ethylbenzene	44.3	1.00	"	50.0		88.5	70-130			
m,p-Xylene	85.9	2.00	"	100		85.9	70-130			
Naphthalene	45.1	2.00	"	50.0		90.3	70-130			
o-Xylene	42.2	1.00	"	50.0		84.5	70-130			
Toluene	45.5	1.00	"	50.0		91.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	65		"	62.5		104	70-130			
Surrogate: Toluene-d8	64		"	62.5		103	70-130			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.6	70-130			

Origins Laboratory, Inc.



*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 West 119th Avenue  
Broomfield CO 80020

Jeb Watts  
Project Number: [none]  
Project: DCP - Parmlee #1

**Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control**  
**Origins Laboratory, Inc.**

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

**Batch B2L0514 - EPA 5030B (Water)**

Matrix Spike (B2L0514-MS1)		Source: Y212062-01			Prepared: 12/05/2022 Analyzed: 12/06/2022					
1,2,4-Trimethylbenzene	44.8	2.00	ug/L	50.0	ND	89.5	70-130			
1,3,5-Trimethylbenzene	45.8	2.00	"	50.0	ND	91.6	70-130			
Benzene	46.8	1.00	"	50.0	ND	93.5	70-130			
Ethylbenzene	46.9	1.00	"	50.0	ND	93.8	70-130			
m,p-Xylene	90.2	2.00	"	100	ND	90.2	70-130			
Naphthalene	45.6	2.00	"	50.0	ND	91.3	70-130			
o-Xylene	45.0	1.00	"	50.0	ND	90.0	70-130			
Toluene	48.6	1.00	"	50.0	ND	97.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	63		"	62.5		100	70-130			
Surrogate: Toluene-d8	65		"	62.5		104	70-130			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		99.4	70-130			

Origins Laboratory, Inc.



*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 West 119th Avenue  
Broomfield CO 80020

Jeb Watts  
Project Number: [none]  
Project: DCP - Parmlee #1

**Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B2L0514 - EPA 5030B (Water)</b>										
<b>Matrix Spike Dup (B2L0514-MSD1)</b>	<b>Source: Y212062-01</b>				Prepared: 12/05/2022 Analyzed: 12/06/2022					
1,2,4-Trimethylbenzene	44.3	2.00	ug/L	50.0	ND	88.7	70-130	0.943	20	
1,3,5-Trimethylbenzene	46.3	2.00	"	50.0	ND	92.6	70-130	1.15	20	
Benzene	46.2	1.00	"	50.0	ND	92.3	70-130	1.31	20	
Ethylbenzene	45.9	1.00	"	50.0	ND	91.9	70-130	2.05	20	
m,p-Xylene	88.9	2.00	"	100	ND	88.9	70-130	1.45	20	
Naphthalene	46.5	2.00	"	50.0	ND	93.0	70-130	1.93	20	
o-Xylene	43.4	1.00	"	50.0	ND	86.9	70-130	3.53	20	
Toluene	47.6	1.00	"	50.0	ND	95.2	70-130	2.06	20	
Surrogate: 1,2-Dichloroethane-d4	63		"	62.5		101	70-130			
Surrogate: Toluene-d8	65		"	62.5		104	70-130			
Surrogate: 4-Bromofluorobenzene	62		"	62.5		98.6	70-130			

Origins Laboratory, Inc.



*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 West 119th Avenue

Broomfield CO 80020

Jeb Watts

Project Number: [none]

Project: DCP - Parmlee #1

### Notes and Definitions

U Sample is Non-Detect.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.



*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.*