

**DCP – MEWBOURN GAS PLANT SITE  
FORM 27 SUPPLEMENTAL SUMMARY REPORT  
Fourth Quarter 2021 Soil and Groundwater**

**ATTACHMENTS**

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**Table 1**  
**Mewbourn Gas Plant**  
**Volatile Organic Compound Soil Sample Results**  
**Weld County, Colorado**

Sample ID	Date Sampled	Lab Report	PID Reading (PPM)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	1,2,4-Trimethylbenzene (mg/kg)	1,3,5-Trimethylbenzene (mg/kg)	Naphthalene (mg/kg)	TPH (mg/kg)	Comments
<b>COGCC Protection of Groundwater Soil Screening Level Standards Risk &amp; MCL Based<sup>(1 &amp; 2)</sup> (mg/kg)</b>	-	-	-	<b>0.0026 (M)</b>	<b>0.69 (M)</b>	<b>0.78 (M)</b>	<b>9.9 (M)</b>	<b>0.0081 (R)</b>	<b>0.0087 (R)</b>	<b>0.0038 (R)</b>	<b>500</b>	
MW12@22'	12/7/2021	2112138	1270	<b>0.044</b>	<0.0050	0.51	1.7	<b>6.5</b>	<b>3.9</b>	<b>0.050</b>	400	GRO - 210 mg/kg; DRO - 190 mg/kg
MW12@24'	12/7/2021	2112138	165.4	<b>0.018</b>	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<50	
MW13@20'	12/7/2021	2112138	239.1	<b>0.0079</b>	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<50	
MW13@24'	12/7/2021	2112138	0.6	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<50	
MW14@16'	12/7/2021	2112138	0.0	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<50	

Notes:

- 1). The environmental cleanup standards for soil that are applicable to this site are the Colorado Oil and Gas Conservation Commission (COGCC) standards for contaminants in soil according to Table 910-1 (Prior to January 15th, 2021) and Table 915-1 (Post January 15, 2021) of the COGCC 900 Series Rule for E&P Waste Management.
- 2). Standards for Soil are referenced from the 2 CCR 404-1, Table 915-1, effective January 15, 2021. If there is no pathway for communication with Groundwater, then residential soil screening levels apply for organic compounds and metals. If the Director determines that a pathway to Groundwater exists, then the protection of Groundwater soil screening levels will apply, secondary to actual measured concentrations of the contaminants of concern in Groundwater.
- 3). The letter "(R)" following a protection of Groundwater soil screening level indicates the concentration is derived from a risk-based approach. The letter "(M)" following a protection of Groundwater soil screening level indicates the concentration is derived from the drinking water MCL.
- 4). TPH - Total volatile (C<sub>6</sub> - C<sub>10</sub>) and extractable (C<sub>10</sub> - C<sub>30</sub>) petroleum hydrocarbons.

Concentrations (mg/kg) Risk Based and MCL Based.

mg/kg= Milligrams per kilogram.

ppm - Parts per million

Bold values indicate an exceedance of the Site Specific and/or the COGCC soil standards for the Site.

Table 915 note - If the method detection limit ("MDL") or practical quantitation limit ("PQL") for a pollutant is higher (less stringent) than a threshold concentration listed in Table 915-1, the Director may allow an Operator to substitute the MDL or PQL for the concentration listed in Table 915-1.

**Table 2  
Mewbourn Gas Plant  
Polyaromatic Hydrocarbon (PAHs) Soil Sample Results  
Weld County, Colorado**

Sample ID	Date Sampled	Lab Report	PID Reading (PPM)	Acenaphthene (mg/kg)	Anthracene (mg/kg)	Benz(a)anthracene (mg/kg)	Benzo(b)fluoranthene (mg/kg)	Benzo(k)fluoranthene (mg/kg)	Benzo(a)pyrene (mg/kg)	Chrysene (mg/kg)	Dibenzo(a,h)anthracene (mg/kg)	Fluoranthene (mg/kg)	Fluorene (mg/kg)	Indeno(1,2,3-cd)pyrene (mg/kg)	1-methylnaphthalene (mg/kg)	2-methylnaphthalene (mg/kg)	Pyrene (mg/kg)	Comments
<b>COGCC Protection of Groundwater Soil Screening Level Standards Risk &amp; MCL Based <sup>(1 &amp; 2)</sup> (mg/kg)</b>	-	-	-	<b>0.55 (R)</b>	<b>5.8 (R)</b>	<b>0.011 (R)</b>	<b>0.3 (R)</b>	<b>2.9 (R)</b>	<b>0.24 (M)</b>	<b>9 (R)</b>	<b>0.096 (R)</b>	<b>8.9 (R)</b>	<b>0.54 (R)</b>	<b>0.98 (R)</b>	<b>0.006 (R)</b>	<b>0.019 (R)</b>	<b>1.3 (R)</b>	
MW12@22'	12/7/2021	2112138	1270	-	-	<0.00500	-	-	-	-	-	-	0.00979	-	<b>0.0800</b>	<b>0.169</b>	-	-
MW12@24'	12/7/2021	2112138	165.4	-	-	<0.00500	-	-	-	-	-	-	<0.00500	-	<0.00500	<0.00500	-	-
MW13@20'	12/7/2021	2112138	239.1	-	-	<0.00500	-	-	-	-	-	-	<0.00500	-	<0.00500	<0.00500	-	-
MW13@24'	12/7/2021	2112138	0.6	-	-	<0.00500	-	-	-	-	-	-	<0.00500	-	<0.00500	<0.00500	-	-
MW14@16'	12/7/2021	2112138	0.0	-	-	<0.00500	-	-	-	-	-	-	<0.00500	-	<0.00500	<0.00500	-	-

1). Standards for Soil are referenced from the 2 CCR 404-1, Table 915-1, effective January 15, 2021.

2). The letter "(R)" following a protection of Groundwater soil screening level indicates the concentration is derived from a risk-based approach. The letter "(M)" following a protection of Groundwater soil screening level indicates the concentration is derived from the drinking water MCL.

mg/kg= Milligrams per kilogram.

PPM - Parts per million

PID - Photoionization Detector

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

Table 915 note - If the method detection limit ("MDL") or practical quantitation limit ("PQL") for a pollutant is higher (less stringent) than a threshold concentration listed in Table 915-1, the Director may allow an Operator to substitute the MDL or PQL for the concentration listed in Table 915-1.

**TABLE 3**  
**FOURTH QUARTER 2021**  
**SUMMARY OF GROUNDWATER ELEVATION DATA**  
**DCP MEWBOURN GAS PLANT**  
**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 (1) (feet)
MW01	9/14/2021	12.79			22.33	4820.52	4,807.73	-0.85
MW01	10/19/2021	13.68	-	-	22.33	4820.52	4,806.84	-0.89
MW01	11/18/2021	14.28	-	-	22.33	4820.52	4,806.24	-0.60
MW01	12/8/2021	14.56			22.33	4820.52	4,805.96	-0.28
MW02	9/14/2021	13.18			23.05	4850.71	4,837.53	-0.87
MW02	10/19/2021	14.06	-	-	23.05	4850.71	4,836.65	-0.88
MW02	11/18/2021	12.31	-	-	23.05	4850.71	4,838.40	1.75
MW02	12/8/2021	13.18			23.05	4850.71	4,837.53	-0.87
MW03	9/14/2021	13.73			22.98	4820.59	4,806.86	-0.95
MW03	10/19/2021	14.53	-	-	22.98	4820.59	4,806.06	-0.80
MW03	11/18/2021	14.10	-	-	22.98	4820.59	4,806.49	0.43
MW03	12/8/2021	15.34			22.98	4820.59	4,805.25	-1.24
MW04	9/14/2021	18.45			25.87	4826.13	4,807.68	-0.98
MW04	10/19/2021	19.34	-	-	25.87	4826.13	4,806.79	-0.89
MW04	11/18/2021	20.04	-	-	25.87	4826.13	4,806.09	-0.70
MW04	12/8/2021	20.29			25.87	4826.13	4,805.84	-0.25
MW05	9/14/2021	12.74			22.20	4818.18	4,805.44	-1.43
MW05	10/19/2021	12.87	-	-	22.20	4818.18	4,805.31	-0.13
MW05	11/18/2021	13.42	-	-	22.20	4818.18	4,804.76	-0.55
MW05	12/8/2021	13.62			22.20	4818.18	4,804.56	-0.20
MW06	9/14/2021	11.29			21.89	4817.73	4,806.44	-0.77
MW06	10/19/2021	12.07	-	-	21.89	4817.73	4,805.66	-0.78
MW06	11/18/2021	12.60	-	-	21.89	4817.73	4,805.13	-0.53
MW06	12/8/2021	12.86			21.89	4817.73	4,804.87	-0.26
MW07	9/14/2021	17.92			25.64	4,826.34	4,808.42	-1.01
MW07	10/19/2021	18.99	-	-	25.68	4,826.34	4,807.35	-1.07
MW07	11/18/2021	19.81	-	-	25.68	4,826.34	4,806.53	-0.82
MW07	12/8/2021	20.12			25.64	4,826.34	4,806.22	-0.31
MW08	9/14/2021	14.02			22.38	4,821.00	4,806.98	-1.70
MW08	10/19/2021	14.87	-	-	22.43	4,821.00	4,806.13	-0.85
MW08	11/18/2021	15.50	-	-	22.43	4,821.00	4,805.50	-0.63
MW08	12/8/2021	15.72			22.38	4,821.00	4,805.28	-0.22
MW09	9/14/2021	18.32			24.14	4,830.54	4,812.22	-0.50
MW09	10/19/2021	19.13	-	-	25.33	4,830.54	4,811.41	-0.81
MW09	11/18/2021	19.75	-	-	25.33	4,830.54	4,810.79	-0.62
MW09	12/8/2021	20.14			24.14	4,830.54	4,810.40	-0.39

**TABLE 3  
FOURTH QUARTER 2021  
SUMMARY OF GROUNDWATER ELEVATION DATA  
DCP MEWBOURN GAS PLANT  
WELD COUNTY, COLORADO**

MW10	9/14/2021	11.53			22.10	4,821.54	4,810.01	-0.68
MW10	10/19/2021	12.59	-	-	22.10	4,821.54	4,808.95	-1.06
MW10	11/18/2021	13.27	-	-	22.10	4,821.54	4,808.27	-0.68
MW10	12/8/2021	13.61			22.10	4,821.54	4,807.93	-0.34
MW11	9/14/2021	14.23			21.05	4,821.50	4,807.27	-1.21
MW11	10/19/2021	15.21	-	-	21.05	4,821.50	4,806.29	-0.98
MW11	11/18/2021	15.89	-	-	21.05	4,821.50	4,805.61	-0.68
MW11	12/8/2021	16.15			21.05	4,821.50	4,805.35	-0.26
MW12	12/8/2021	19.16	-	-	23.90	4,827.43	4,808.27	NC
MW13	12/8/2021	19.72	-	-	23.25	4,826.92	4,807.20	NC
MW14	12/8/2021	8.67	-	-	15.97	4,812.10	4,803.43	NC
Average Change in Groundwater Elevation (11/18/2021 to 12/8/2021)								-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

NM = Not Measured

**TABLE 4  
GROUNDWATER AND SURFACE WATER ANALYTICAL RESULTS  
(DECEMBER 8, 2021)  
DCP MEWBOURN GAS PLANT  
WELD 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)	Comments
<b>COGCC Standards (µg/L)<sup>(1)</sup></b>			<b>5</b>	<b>560</b>	<b>700</b>	<b>1,400</b>	<b>67</b>	<b>67</b>	<b>140</b>	
MW01	12/8/2021	Y112238	<b>912</b>	<10	<5	<5	3.95	<5	<25	Dilution 10
MW02	12/8/2021	Y112238	<b>2,960</b>	<20	241	<b>1,560</b>	<b>228</b>	<b>81</b>	<50	Dilution 50
MW03	12/8/2021	Y112238	<2	<5	<1	<1	1.77	<1	<5	
MW04	12/8/2021	Y112238	<b>33.5</b>	<20	16.6	64.8	<b>206</b>	<b>175</b>	<50	Dilution 10
MW05	12/8/2021	Y112238	<b>200</b>	<5	<1	<1	<1	<1	<5	Dilution 5
MW06	12/8/2021	Y112238	<2	<5	<1	<1	<1	<1	<5	
MW07	12/8/2021	Y112238	<2	<5	<1	<1	<1	<1	<5	
MW08	12/8/2021	Y112238	<5	<10	15.9	408	<b>193</b>	<b>162</b>	<25	Dilution 5
MW09	12/8/2021	Y112238	<2	<5	<1	<1	<1	<1	<5	
MW10	12/8/2021	Y112238	<2	<5	<1	<1	<1	<1	<5	
MW11	12/8/2021	Y112238	<2	<5	<1	<1	<1	<1	<5	
MW12	12/8/2021	Y112238	<b>14,300</b>	<100	566	<b>6,940</b>	<b>388</b>	<b>251</b>	<250	Dilution 200
MW13	12/8/2021	Y112238	<b>690</b>	<5	72.3	52.8	8.56	12.4	<5	Dilution 10
MW14	12/8/2021	Y112238	<2	<5	1.01	5.43	1.4	0.62	<5	

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

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.

**TABLE 5  
HISTORICAL  
GROUNDWATER AND SURFACE WATER ANALYTICAL RESULTS  
DCP MEWBURN GAS PLANT  
WELD 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)	Benzo(a)anthracene (µg/l)	Fluorene (µg/l)	Comments
COGCC Standards (µg/L) <sup>(1)</sup>			5	560	700	1,400	67	67	140	<1.25 x local background	(250 mg/l or <1.25 x local background)	(250 mg/l or <1.25 x local background)	0.16 <sup>(2)</sup>	280 <sup>(2)</sup>	
MW01	3/16/2021	2103245	420	<1.0	500	370	130	75	29	-	-	-	-	-	
MW01	3/19/2021	2103294	-	-	-	-	-	-	-	1,050	291	1,740	<0.100	6.50	
MW01	6/14/2021	Y106317	123	<4.0	210	164	72.9	52.8	<16.0	-	-	-	-	-	Per Approved SAP
MW01	9/14/2021	Y109257	657	<10.0	140	39.1	12.1	16.2	<40.0	-	-	-	-	-	Dilution 10
MW01	12/8/2021	Y112238	912	<10	<5	<5	3.95	<5	<25	-	-	-	-	-	Dilution 10
MW02	3/16/2021	2103245	1,900	3.8	510	250	320	150	25	620	68.2	4.34	-	-	
MW02	3/19/2021	2103294	-	-	-	-	-	-	-	-	-	-	<0.100	2.56	
MW02	6/14/2021	Y106317	1,710	<4.0	644	7,400	579	306	32.1	-	-	-	-	-	Per Approved SAP
MW02	9/14/2021	Y109257	1,600	<50.0	416	4,780	346	180	<200.0	-	-	-	-	-	Dilution 50
MW02	12/8/2021	Y112238	2,960	<20	241	1,560	228	81	<50	-	-	-	-	-	Dilution 50
MW03	3/16/2021	2103245	120	<1.0	70.0	300	79.0	29.0	3.0	-	-	-	-	-	
MW03	3/19/2021	2103294	-	-	-	-	-	-	-	441	104	1,790	<0.100	<0.200	
MW03	6/14/2021	Y106317	394	<4.0	270	1,350	285	116	<16.0	-	-	-	-	-	Per Approved SAP
MW03	9/14/2021	Y109257	35.3	<1.0	13	42	11.7	2.84	<4.0	-	11.7	2.84	-	-	
MW03	12/8/2021	Y112238	<2	<5	<1	<1	1.77	<1	<5	-	-	-	-	-	
MW04	3/16/2021	2103245	45	<1.0	20	67	310	250	5.1	436	4.55	11.0	-	-	
MW04	3/19/2021	2103294	-	-	-	-	-	-	-	-	-	-	<0.100	1.76	
MW04	6/14/2021	Y106317	8.8	<4.0	20.7	62.3	322	304	<16.0	-	-	-	-	-	Per Approved SAP
MW04	9/14/2021	Y109257	15.1	<10.0	25.4	72.3	308	236	<40.0	-	-	-	-	-	Dilution 10
MW04	12/8/2021	Y112238	33.5	<20	16.6	64.8	206	175	<50	-	-	-	-	-	Dilution 10
MW05	3/16/2021	2103245	9.4	<1.0	<1.0	6.7	2.8	<1.0	<1.0	-	-	-	-	-	
MW05	3/19/2021	2103294	-	-	-	-	-	-	-	803	240	1,810	<0.100	1.35	
MW05	6/14/2021	Y106317	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<16.0	-	-	-	-	-	Per Approved SAP
MW05	9/14/2021	Y109257	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	-	-	-	-	-	
MW05	12/8/2021	Y112238	200	<5	<1	<1	<1	<1	<5	-	-	-	-	-	Dilution 5
MW06	3/16/2021	2103245	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	780	168	194	-	-	
MW06	3/19/2021	2103294	-	-	-	-	-	-	-	-	-	-	<0.100	<0.200	
MW06	6/14/2021	Y106317	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	-	-	-	-	-	Per Approved SAP
MW06	9/14/2021	Y109257	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	-	-	-	-	-	
MW06	12/8/2021	Y112238	<2	<5	<1	<1	<1	<1	<5	-	-	-	-	-	
MW07	4/12/2021	Y104191	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	652	<62.5	85.1	<0.02	0.0143 J	
MW07	6/14/2021	Y106317	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	-	-	-	-	-	Per Approved SAP
MW07	9/14/2021	Y109257	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	-	-	-	-	-	
MW07	12/8/2021	Y112238	<2	<5	<1	<1	<1	<1	<5	-	-	-	-	-	
MW08	4/12/2021	Y104191	<4.0	<4.0	154	1020	463	296	<16.0	704	89.9	<62.5	<0.1	0.667	
MW08	6/14/2021	Y106317	<1.0	3.26	142	876	548	331	13.0	-	-	-	-	-	Per Approved SAP
MW08	9/14/2021	Y109257	<4.0	<4.0	162	998	322	232	<16.0	-	-	-	-	-	Dilution 10
MW08	12/8/2021	Y112238	<5	<10	15.9	408	193	162	<25	-	-	-	-	-	Dilution 5
MW09	4/12/2021	Y104191	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	520	<62.5	<62.5	<0.02	0.0115 J	
MW09	6/14/2021	Y106317	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	-	-	-	-	-	Per Approved SAP
MW09	9/14/2021	Y109257	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	-	-	-	-	-	
MW09	12/8/2021	Y112238	<2	<5	<1	<1	<1	<1	<5	-	-	-	-	-	
MW10	9/14/2021	Y109257	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	-	-	-	-	-	
MW10	12/8/2021	Y112238	<2	<5	<1	<1	<1	<1	<5	-	-	-	-	-	
MW11	9/14/2021	Y109257	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	-	-	-	-	-	
MW11	12/8/2021	Y112238	<2	<5	<1	<1	<1	<1	<5	-	-	-	-	-	
MW12	12/8/2021	Y112238	14,300	<100	566	6,940	388	251	<250	-	-	-	-	-	Dilution 200
MW13	12/8/2021	Y112238	690	<5	72.3	52.8	8.56	12.4	<5	-	-	-	-	-	Dilution 10
MW14	12/8/2021	Y112238	<2	<5	1.01	5.43	1.4	0.62	<5	-	-	-	-	-	

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.

**TABLE 6**  
**SITE SPECIFIC SOIL AND GROUNDWATER SAMPLING AND ANALYSIS PLAN**  
**DCP MIDSTREAM - MEWBOURN GAS PLANT**

Site Specific Constituent of Concern for Soil Analysis	COGCC Protection of Groundwater Soil Screening Level Standards Risk & MCL Based <sup>(1 &amp; 2)</sup>
Benzene (mg/kg)	0.0026 (M)
Toluene (mg/kg)	0.69 (M)
Ethylbenzene (mg/kg)	0.78 (M)
Total Xylenes (mg/kg)	9.9 (M)
1,2,4 Trimethylbenzene (mg/kg)	0.0081 (R)
TPH (mg/kg)	500
Benz(a)anthracene (mg/kg)	0.011 (R)
Fluorene (mg/kg)	0.54 (R)
1-methylnaphthalene (mg/kg)	0.006 (R)
2-methylnaphthalene (mg/kg)	0.019 (R)
Naphthalene (mg/kg)	0.0038 (R)
Site Specific Constituent of Concern for Groundwater Analysis	COGCC Table 915-1 Groundwater Standards (µg/L) <sup>(4)</sup>
Benzene (µg/l)	5
Toluene (µg/l)	560
Ethylbenzene (µg/l)	700
Total Xylenes (µg/l)	1400
1,2,4-Trimethylbenzene (µg/l)	67
1,3,5-Trimethylbenzene (µg/l)	67
Naphthalene (µg/l)	140

1). Standards for Soil are referenced from the 2 CCR 404-1, Table 915-1, effective January 15, 2021.

2). Standards for Soil are referenced from the 2 CCR 404-1, Table 915-1, effective January 15, 2021. The letter “(R)” following a protection of Groundwater soil screening level indicates the concentration is derived from a risk-based approach. The letter “(M)” following a protection of Groundwater soil screening level indicates the concentration is derived from the drinking water MCL.

3). EC, SAR, pH, and boron will be analyzed from soil samples collected in the root bearing zone subsequent to invasive remediation activities and prior to reclamation planning.

4). 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.

TPH - Total volatile (C<sub>6</sub> - C<sub>10</sub>) and extractable (C<sub>10</sub> - C<sub>36</sub>) hydrocarbons

EC - Electrical Conductivity

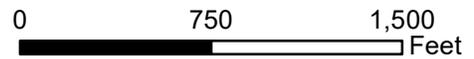
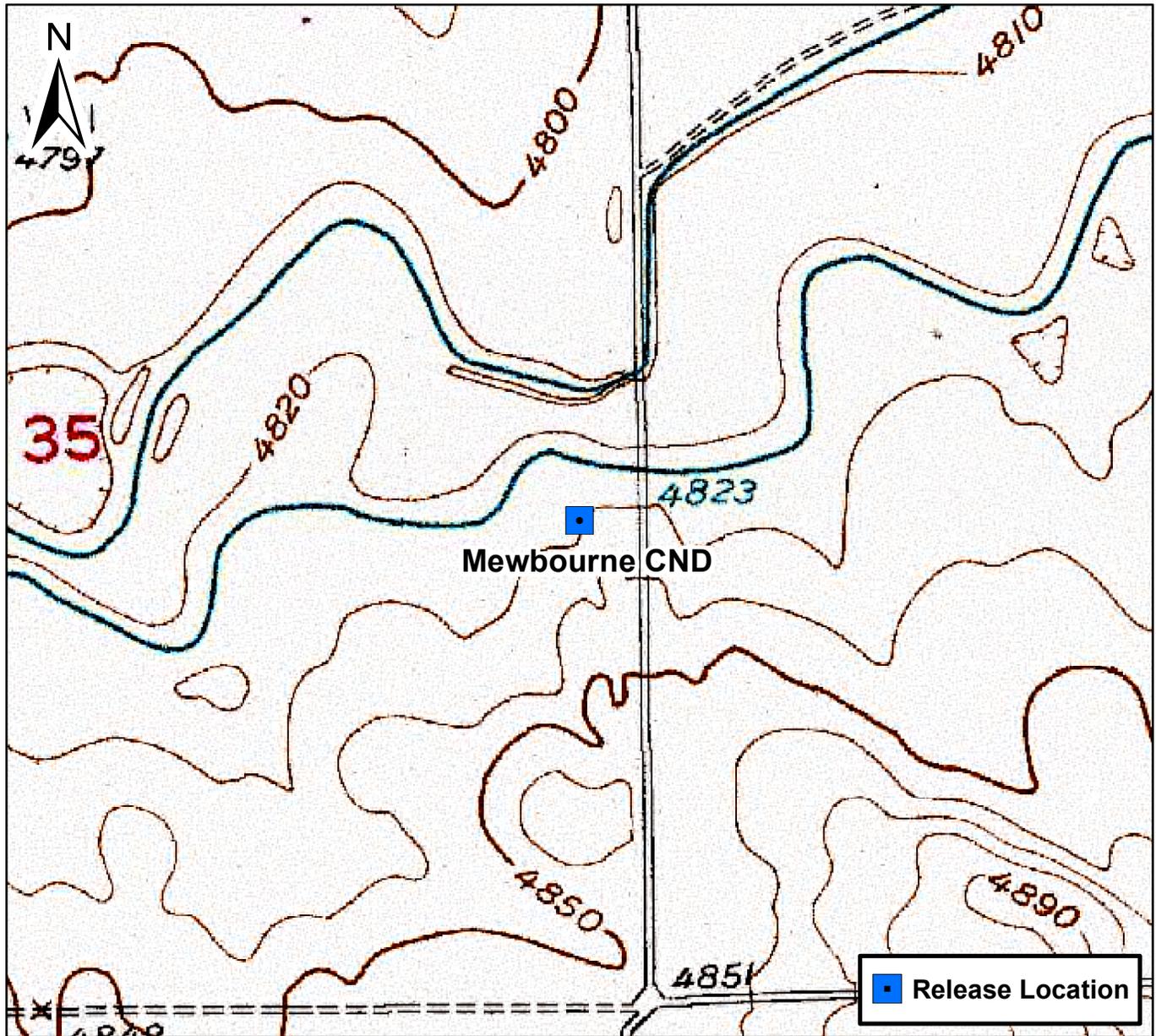
SAR - Sodium adsorption ratio

mg/kg= Milligrams per kilogram.

mmhos/cm - millimhos per centimeter

SU - Standard units

mg/l - Milligrams per liter



## Figure 1

Site Location Map  
 Mewbourn CND  
 NESE S35 T4N R66W  
 Weld County, Colorado





DATE:  
January 2022

DESIGNED BY:  
B. Humphrey

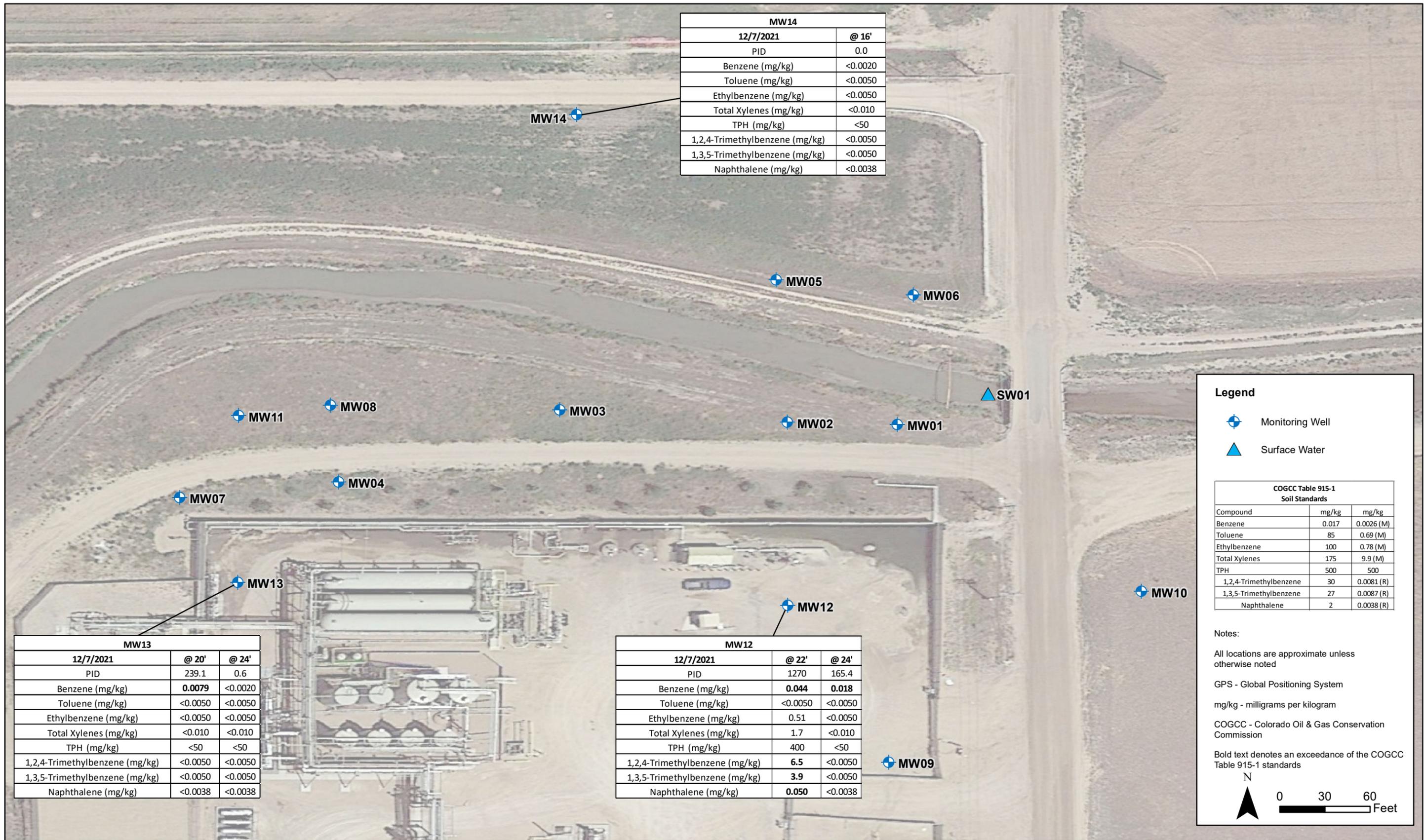
DRAWN BY:  
L. Reed

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

**DCP Midstream – DJ Basin  
 Mewbourn CND**  
 NESE, Section 35, Township 4 North, Range 66 West  
 Weld County, Colorado

Site Overview Map

Figure  
2



MW14	
12/7/2021	@ 16'
PID	0.0
Benzene (mg/kg)	<0.0020
Toluene (mg/kg)	<0.0050
Ethylbenzene (mg/kg)	<0.0050
Total Xylenes (mg/kg)	<0.010
TPH (mg/kg)	<50
1,2,4-Trimethylbenzene (mg/kg)	<0.0050
1,3,5-Trimethylbenzene (mg/kg)	<0.0050
Naphthalene (mg/kg)	<0.0038

MW13		
12/7/2021	@ 20'	@ 24'
PID	239.1	0.6
Benzene (mg/kg)	<b>0.0079</b>	<0.0020
Toluene (mg/kg)	<0.0050	<0.0050
Ethylbenzene (mg/kg)	<0.0050	<0.0050
Total Xylenes (mg/kg)	<0.010	<0.010
TPH (mg/kg)	<50	<50
1,2,4-Trimethylbenzene (mg/kg)	<0.0050	<0.0050
1,3,5-Trimethylbenzene (mg/kg)	<0.0050	<0.0050
Naphthalene (mg/kg)	<0.0038	<0.0038

MW12		
12/7/2021	@ 22'	@ 24'
PID	1270	165.4
Benzene (mg/kg)	<b>0.044</b>	<b>0.018</b>
Toluene (mg/kg)	<0.0050	<0.0050
Ethylbenzene (mg/kg)	0.51	<0.0050
Total Xylenes (mg/kg)	1.7	<0.010
TPH (mg/kg)	400	<50
1,2,4-Trimethylbenzene (mg/kg)	<b>6.5</b>	<0.0050
1,3,5-Trimethylbenzene (mg/kg)	<b>3.9</b>	<0.0050
Naphthalene (mg/kg)	<b>0.050</b>	<0.0038

**Legend**

- Monitoring Well
- Surface Water

COGCC Table 915-1 Soil Standards		
Compound	mg/kg	mg/kg
Benzene	0.017	0.0026 (M)
Toluene	85	0.69 (M)
Ethylbenzene	100	0.78 (M)
Total Xylenes	175	9.9 (M)
TPH	500	500
1,2,4-Trimethylbenzene	30	0.0081 (R)
1,3,5-Trimethylbenzene	27	0.0087 (R)
Naphthalene	2	0.0038 (R)

Notes:

All locations are approximate unless otherwise noted

GPS - Global Positioning System

mg/kg - milligrams per kilogram

COGCC - Colorado Oil & Gas Conservation Commission

Bold text denotes an exceedance of the COGCC Table 915-1 standards

N

0 30 60 Feet

DATE: January 28, 2022

DESIGNED BY: B. Humphrey

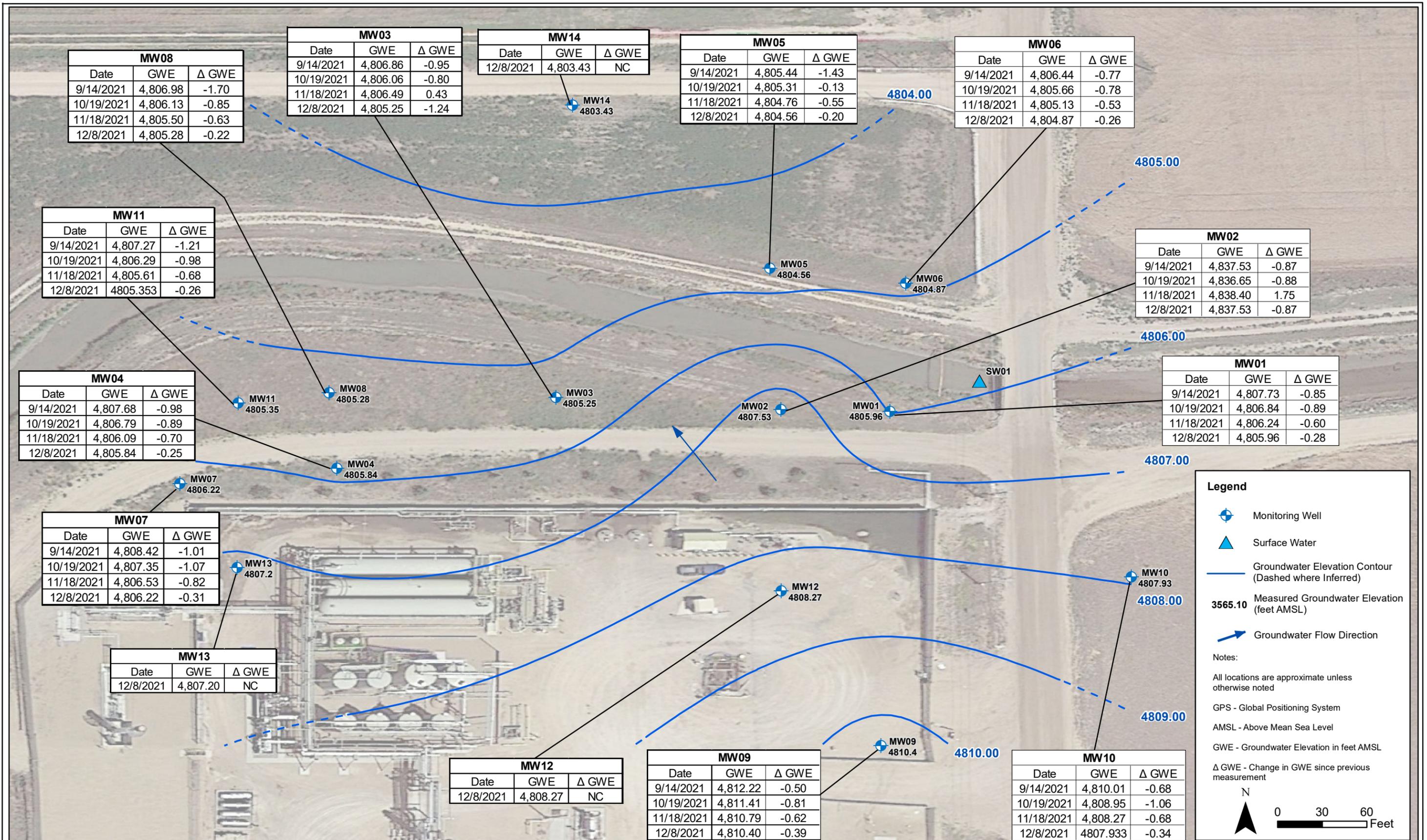
DRAWN BY: L. Reed



**DCP Midstream – DJ Basin  
Mewbourn CND**  
NESE, Section 35, Township 4 North, Range 66 West  
Weld County, Colorado

Soil Analytical  
Results Map  
(December 7, 2021)

Figure  
3



DATE: January 28, 2022  
 DESIGNED BY: B. Humphrey  
 DRAWN BY: L. Reed



**DCP Midstream – DJ Basin  
 Mewbourn CND**  
 NESE, Section 35, Township 4 North, Range 66 West  
 Weld County, Colorado

Groundwater Elevation  
 Contour Map  
 (December 8, 2021)

Figure  
 4

MW11	
12/8/2021	
Compound	(µg/L)
Benzene	<2
Toluene	<5
Ethylbenzene	<1
Total Xylenes	<1
1,2,4-Trimethylbenzene	<1
1,3,5-Trimethylbenzene	<1
Naphthalene	<5

MW08	
12/8/2021	
Compound	(µg/L)
Benzene	<5
Toluene	<10
Ethylbenzene	15.9
Total Xylenes	408
1,2,4-Trimethylbenzene	<b>193</b>
1,3,5-Trimethylbenzene	<b>162</b>
Naphthalene	<25

MW14	
12/8/2021	
Compound	(µg/L)
Benzene	<2
Toluene	<5
Ethylbenzene	1.01
Total Xylenes	5.43
1,2,4-Trimethylbenzene	1.4
1,3,5-Trimethylbenzene	0.62
Naphthalene	<5

MW05	
12/8/2021	
Compound	(µg/L)
Benzene	<b>200</b>
Toluene	<5
Ethylbenzene	<1
Total Xylenes	<1
1,2,4-Trimethylbenzene	<1
1,3,5-Trimethylbenzene	<1
Naphthalene	<5

MW06	
12/8/2021	
Compound	(µg/L)
Benzene	<2
Toluene	<5
Ethylbenzene	<1
Total Xylenes	<1
1,2,4-Trimethylbenzene	<1
1,3,5-Trimethylbenzene	<1
Naphthalene	<5

MW03	
12/8/2021	
Compound	(µg/L)
Benzene	<2
Toluene	<5
Ethylbenzene	<1
Total Xylenes	<1
1,2,4-Trimethylbenzene	1.77
1,3,5-Trimethylbenzene	<1
Naphthalene	<5

MW01	
12/8/2021	
Compound	(µg/L)
Benzene	<b>912</b>
Toluene	<10
Ethylbenzene	<5
Total Xylenes	<5
1,2,4-Trimethylbenzene	3.95
1,3,5-Trimethylbenzene	<5
Naphthalene	<25

MW07	
12/8/2021	
Compound	(µg/L)
Benzene	<2
Toluene	<5
Ethylbenzene	<1
Total Xylenes	<1
1,2,4-Trimethylbenzene	<1
1,3,5-Trimethylbenzene	<1
Naphthalene	<5

MW13	
12/8/2021	
Compound	(µg/L)
Benzene	<b>690</b>
Toluene	<5
Ethylbenzene	72.3
Total Xylenes	52.8
1,2,4-Trimethylbenzene	8.56
1,3,5-Trimethylbenzene	12.4
Naphthalene	<5

MW04	
12/8/2021	
Compound	(µg/L)
Benzene	<b>33.5</b>
Toluene	<20
Ethylbenzene	16.6
Total Xylenes	64.8
1,2,4-Trimethylbenzene	<b>206</b>
1,3,5-Trimethylbenzene	<b>175</b>
Naphthalene	<50

MW02	
12/8/2021	
Compound	(µg/L)
Benzene	<b>2,960</b>
Toluene	<20
Ethylbenzene	241
Total Xylenes	<b>1,560</b>
1,2,4-Trimethylbenzene	<b>228</b>
1,3,5-Trimethylbenzene	<b>81</b>
Naphthalene	<50

MW12	
12/8/2021	
Compound	(µg/L)
Benzene	<b>14,300</b>
Toluene	<100
Ethylbenzene	566
Total Xylenes	<b>6,940</b>
1,2,4-Trimethylbenzene	<b>388</b>
1,3,5-Trimethylbenzene	<b>251</b>
Naphthalene	<250

MW09	
12/8/2021	
Compound	(µg/L)
Benzene	<2
Toluene	<5
Ethylbenzene	<1
Total Xylenes	<1
1,2,4-Trimethylbenzene	<1
1,3,5-Trimethylbenzene	<1
Naphthalene	<5

MW10	
12/8/2021	
Compound	(µg/L)
Benzene	<2
Toluene	<5
Ethylbenzene	<1
Total Xylenes	<1
1,2,4-Trimethylbenzene	<1
1,3,5-Trimethylbenzene	<1
Naphthalene	<5

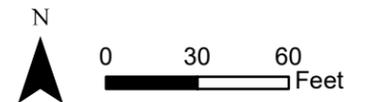
**Legend**

-  Monitoring Well
-  Surface Water

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:**

All locations are approximate unless otherwise noted  
 GPS - Global Positioning System  
 ug/L - micrograms per liter  
 COGCC - Colorado Oil & Gas Conservation Commission  
 Bold text denotes an exceedance of the COGCC Table 915-1 standards



DATE: January 28, 2022

DESIGNED BY: B. Humphrey

DRAWN BY: L. Reed



**DCP Midstream – DJ Basin  
Mewbourn CND**  
 NESE, Section 35, Township 4 North, Range 66 West  
 Weld County, Colorado

Groundwater Analytical  
 Results Map  
 (December 8, 2021)

Figure  
 5



DATE:  
January 2022

DESIGNED BY:  
B. Humphrey

DRAWN BY:  
L. Reed



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

**DCP Midstream – DJ Basin  
Mewbourn CND**  
NESE, Section 35, Township 4 North, Range 66 West  
Weld County, Colorado

Proposed Monitoring Well  
Location

**Figure  
6**

December 22, 2021

Tasman Geosciences

Jeb Watts

6855 West 119th Avenue

Broomfield CO 80020

**Project Name - DCP - Mewbourne**

**Project Number - [none]**

Attached are your analytical results for DCP - Mewbourne received by Origins Laboratory, Inc. December 08, 2021. This project is associated with Origins project number Y112238-01.

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



Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Jeb Watts  
Project Number: [none]  
Project: DCP - Mewbourne

## CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW01	Y112238-01	Water	December 8, 2021 13:13	12/08/2021 17:10
MW02	Y112238-02	Water	December 8, 2021 13:01	12/08/2021 17:10
MW03	Y112238-03	Water	December 8, 2021 12:36	12/08/2021 17:10
MW04	Y112238-04	Water	December 8, 2021 12:05	12/08/2021 17:10
MW05	Y112238-05	Water	December 8, 2021 14:01	12/08/2021 17:10
MW06	Y112238-06	Water	December 8, 2021 13:48	12/08/2021 17:10
MW07	Y112238-07	Water	December 8, 2021 11:40	12/08/2021 17:10
MW08	Y112238-08	Water	December 8, 2021 12:23	12/08/2021 17:10
MW09	Y112238-09	Water	December 8, 2021 14:31	12/08/2021 17:10
MW10	Y112238-10	Water	December 8, 2021 13:34	12/08/2021 17:10
MW11	Y112238-11	Water	December 8, 2021 11:52	12/08/2021 17:10
MW12	Y112238-12	Water	December 8, 2021 14:43	12/08/2021 17:10
MW13	Y112238-13	Water	December 8, 2021 14:54	12/08/2021 17:10
MW14	Y112238-14	Water	December 8, 2021 14:13	12/08/2021 17:10

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 - Mewbourne

---

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.*

---

Jen Pellegrini, Project Manager





Tasman Geosciences  
 6855 West 119th Avenue  
 Broomfield CO 80020

Jeb Watts  
 Project Number: [none]  
 Project: DCP - Mewbourne

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

Sample Receipt Checklist

Origins Work Order: Y112238 Client: Tasman  
 Client Project ID: Mewbourne

Checklist Completed by: JG Shipped Via: HD  
(UPS, FedEx, Hand Delivered, Pick-up, etc.)  
 Date/time completed: 12/19/21 Airbill #: N/A

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

Cooler Number/Temperature: 1 3.3 °C \_\_\_\_\_ °C \_\_\_\_\_ °C \_\_\_\_\_ °C  
 Thermometer ID: T003

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"/>			
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		<input checked="" 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 checked="" type="checkbox"/>		
Were all samples received intact <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Are short holding time analytes or samples with HTs due within 48 hours present <sup>(1)</sup> ?		<input checked="" type="checkbox"/>		
Is a chain-of-custody (COC) present and filled out completely <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client with date and time recorded <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.		<input checked="" 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 subcontracted 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 Na <sub>2</sub> CO <sub>3</sub> +NaOH, ZnAc+NaOH)		<input checked="" type="checkbox"/>		
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) JG Date/Time Reviewed 12/10/21

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 - Mewbourne

**MW01**

**12/8/2021 1:13:00PM**

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

**Waypoint Analytical, Inc.**  
**Y112238-01 (Water)**

**BTEX + N + TMBs by 8260B**

Benzene	912	10	µg/L	10	L591170		12/20/2021	12/20/2021	
---------	-----	----	------	----	---------	--	------------	------------	--

**BTEX+N+TMBs by 8260B**

1,2,4-Trimethylbenzene	3.95	5	µg/L	5	L590868		12/18/2021	12/18/2021	J
1,3,5-Trimethylbenzene	ND	5	"	"	"		"	"	
Ethylbenzene	ND	5	"	"	"		"	"	
Naphthalene	ND	25	"	"	"		"	"	
Toluene	ND	10	"	"	"		"	"	
Xylene (Total)	ND	5	"	"	"		"	"	

Surrogate: 1,2-Dichloroethane - d4	93.6 %	63-136			"		"	"	
Surrogate: 4-Bromofluorobenzene	75.4 %	71-137			"		"	"	
Surrogate: Dibromofluoromethane	111 %	70-128			"		"	"	
Surrogate: Toluene-d8	86.2 %	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 - Mewbourne

**MW02**

**12/8/2021 1:01:00PM**

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

**Waypoint Analytical, Inc.**  
**Y112238-02 (Water)**

**BTEX + N + TMBs by 8260B**

Benzene	2960	50	µg/L	50	L591170		12/20/2021	12/20/2021	
---------	------	----	------	----	---------	--	------------	------------	--

**BTEX+N+TMBs by 8260B**

1,2,4-Trimethylbenzene	228	10	µg/L	10	L590868		12/18/2021	12/18/2021	
1,3,5-Trimethylbenzene	81	10	"	"	"		"	"	
Ethylbenzene	241	10	"	"	"		"	"	
Naphthalene	ND	50	"	"	"		"	"	
Toluene	ND	20	"	"	"		"	"	
Xylene (Total)	1560	10	"	"	"		"	"	

Surrogate: 1,2-Dichloroethane - d4	98.2 %	63-136			"		"	"	
Surrogate: 4-Bromofluorobenzene	77.2 %	71-137			"		"	"	
Surrogate: Dibromofluoromethane	107 %	70-128			"		"	"	
Surrogate: Toluene-d8	85.6 %	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 - Mewbourne

**MW03**

**12/8/2021 12:36:00PM**

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

**Waypoint Analytical, Inc.**  
**Y112238-03 (Water)**

**BTEX+N+TMBs by 8260B**

1,2,4-Trimethylbenzene	1.77	1	µg/L	1	L590868		12/18/2021	12/18/2021	
1,3,5-Trimethylbenzene	ND	1	"	"	"		"	"	
Benzene	ND	2	"	"	"		"	"	
Ethylbenzene	ND	1	"	"	"		"	"	
Naphthalene	ND	5	"	"	"		"	"	
Toluene	ND	5	"	"	"		"	"	
Xylene (Total)	ND	1	"	"	"		"	"	

Surrogate: 1,2-Dichloroethane - d4	92.8 %	63-136			"		"	"	
Surrogate: 4-Bromofluorobenzene	76.2 %	71-137			"		"	"	
Surrogate: Dibromofluoromethane	108 %	70-128			"		"	"	
Surrogate: Toluene-d8	82.4 %	70-130			"		"	"	

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 6855 West 119th Avenue  
 Broomfield CO 80020

Jeb Watts  
 Project Number: [none]  
 Project: DCP - Mewbourne

**MW04**

**12/8/2021 12:05:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
**Y112238-04 (Water)**

**BTEX+N+TMBs by 8260B**

1,2,4-Trimethylbenzene	206	10	µg/L	10	L590868		12/18/2021	12/18/2021	
1,3,5-Trimethylbenzene	175	10	"	"	"		"	"	
Benzene	33.5	10	"	"	"		"	"	
Ethylbenzene	16.6	10	"	"	"		"	"	
Naphthalene	ND	50	"	"	"		"	"	
Toluene	ND	20	"	"	"		"	"	
Xylene (Total)	64.8	10	"	"	"		"	"	

Surrogate: 1,2-Dichloroethane - d4	93.2 %	63-136			"		"	"	
Surrogate: 4-Bromofluorobenzene	76.8 %	71-137			"		"	"	
Surrogate: Dibromofluoromethane	109 %	70-128			"		"	"	
Surrogate: Toluene-d8	85.8 %	70-130			"		"	"	

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 Project: DCP - Mewbourne

**MW05**

**12/8/2021 2:01:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
**Y112238-05 (Water)**

**BTEX + N + TMBs by 8260B**

Benzene	200	5	µg/L	5	L591170		12/20/2021	12/20/2021	
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**BTEX+N+TMBs by 8260B**

1,2,4-Trimethylbenzene	ND	1	µg/L	1	L590868		12/18/2021	12/18/2021	
1,3,5-Trimethylbenzene	ND	1	"	"	"		"	"	
Ethylbenzene	ND	1	"	"	"		"	"	
Naphthalene	ND	5	"	"	"		"	"	
Toluene	ND	5	"	"	"		"	"	
Xylene (Total)	ND	1	"	"	"		"	"	

Surrogate: 1,2-Dichloroethane - d4	94.8 %	63-136			"		"	"	
Surrogate: 4-Bromofluorobenzene	75.4 %	71-137			"		"	"	
Surrogate: Dibromofluoromethane	108 %	70-128			"		"	"	
Surrogate: Toluene-d8	81.8 %	70-130			"		"	"	

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**MW06**

**12/8/2021 1:48:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
**Y112238-06 (Water)**

**BTEX+N+TMBs by 8260B**

1,2,4-Trimethylbenzene	ND	1	µg/L	1	L590868		12/18/2021	12/18/2021	
1,3,5-Trimethylbenzene	ND	1	"	"	"		"	"	
Benzene	ND	2	"	"	"		"	"	
Ethylbenzene	ND	1	"	"	"		"	"	
Naphthalene	ND	5	"	"	"		"	"	
Toluene	ND	5	"	"	"		"	"	
Xylene (Total)	ND	1	"	"	"		"	"	

Surrogate: 1,2-Dichloroethane - d4	97.2 %	63-136			"		"	"	
Surrogate: 4-Bromofluorobenzene	73.2 %	71-137			"		"	"	
Surrogate: Dibromofluoromethane	111 %	70-128			"		"	"	
Surrogate: Toluene-d8	78.2 %	70-130			"		"	"	

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**MW07**

**12/8/2021 11:40:00AM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
**Y112238-07 (Water)**

**BTEX+N+TMBs by 8260B**

1,2,4-Trimethylbenzene	ND	1	µg/L	1	L590868		12/18/2021	12/18/2021	
1,3,5-Trimethylbenzene	ND	1	"	"	"		"	"	
Benzene	ND	2	"	"	"		"	"	
Ethylbenzene	ND	1	"	"	"		"	"	
Naphthalene	ND	5	"	"	"		"	"	
Toluene	ND	5	"	"	"		"	"	
Xylene (Total)	ND	1	"	"	"		"	"	

Surrogate: 1,2-Dichloroethane - d4	95.8 %	63-136			"		"	"	
Surrogate: 4-Bromofluorobenzene	70.4 %	71-137			"		"	"	*
Surrogate: Dibromofluoromethane	111 %	70-128			"		"	"	
Surrogate: Toluene-d8	80 %	70-130			"		"	"	

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**MW08**

**12/8/2021 12:23:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
**Y112238-08 (Water)**

**BTEX+N+TMBs by 8260B**

1,2,4-Trimethylbenzene	193	5	µg/L	5	L590868		12/18/2021	12/18/2021	
1,3,5-Trimethylbenzene	162	5	"	"	"		"	"	
Benzene	ND	5	"	"	"		"	"	
Ethylbenzene	15.9	5	"	"	"		"	"	
Naphthalene	ND	25	"	"	"		"	"	
Toluene	ND	10	"	"	"		"	"	
Xylene (Total)	408	5	"	"	"		"	"	

Surrogate: 1,2-Dichloroethane - d4	90.8 %	63-136			"		"	"	
Surrogate: 4-Bromofluorobenzene	80 %	71-137			"		"	"	
Surrogate: Dibromofluoromethane	108 %	70-128			"		"	"	
Surrogate: Toluene-d8	87.6 %	70-130			"		"	"	

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**MW09**

**12/8/2021 2:31:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
**Y112238-09 (Water)**

**BTEX+N+TMBs by 8260B**

1,2,4-Trimethylbenzene	ND	1	µg/L	1	L590868		12/18/2021	12/18/2021	
1,3,5-Trimethylbenzene	ND	1	"	"	"		"	"	
Benzene	ND	2	"	"	"		"	"	
Ethylbenzene	ND	1	"	"	"		"	"	
Naphthalene	ND	5	"	"	"		"	"	
Toluene	ND	5	"	"	"		"	"	
Xylene (Total)	ND	1	"	"	"		"	"	

Surrogate: 1,2-Dichloroethane - d4	93.4 %	63-136			"		"	"	
Surrogate: 4-Bromofluorobenzene	69.4 %	71-137			"		"	"	*
Surrogate: Dibromofluoromethane	108 %	70-128			"		"	"	
Surrogate: Toluene-d8	78.4 %	70-130			"		"	"	

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**MW10**

**12/8/2021 1:34:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
**Y112238-10 (Water)**

**BTEX+N+TMBs by 8260B**

1,2,4-Trimethylbenzene	ND	1	µg/L	1	L590868		12/18/2021	12/18/2021	
1,3,5-Trimethylbenzene	ND	1	"	"	"		"	"	
Benzene	ND	2	"	"	"		"	"	
Ethylbenzene	ND	1	"	"	"		"	"	
Naphthalene	ND	5	"	"	"		"	"	
Toluene	ND	5	"	"	"		"	"	
Xylene (Total)	ND	1	"	"	"		"	"	

Surrogate: 1,2-Dichloroethane - d4	95.6 %	63-136			"		"	"	
Surrogate: 4-Bromofluorobenzene	70.8 %	71-137			"		"	"	*
Surrogate: Dibromofluoromethane	110 %	70-128			"		"	"	
Surrogate: Toluene-d8	79 %	70-130			"		"	"	

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 Project: DCP - Mewbourne

**MW11**

**12/8/2021 11:52:00AM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
 Y112238-11 (Water)

**BTEX+N+TMBs by 8260B**

1,2,4-Trimethylbenzene	ND	1	µg/L	1	L590868		12/18/2021	12/18/2021	
1,3,5-Trimethylbenzene	ND	1	"	"	"		"	"	
Benzene	ND	2	"	"	"		"	"	
Ethylbenzene	ND	1	"	"	"		"	"	
Naphthalene	ND	5	"	"	"		"	"	
Toluene	ND	5	"	"	"		"	"	
Xylene (Total)	ND	1	"	"	"		"	"	

Surrogate: 1,2-Dichloroethane - d4	96 %	63-136			"		"	"	
Surrogate: 4-Bromofluorobenzene	70 %	71-137			"		"	"	*
Surrogate: Dibromofluoromethane	109 %	70-128			"		"	"	
Surrogate: Toluene-d8	79 %	70-130			"		"	"	

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 Broomfield CO 80020

Jeb Watts  
 Project Number: [none]  
 Project: DCP - Mewbourne

**MW12**  
**12/8/2021 2:43:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
**Y112238-12 (Water)**

**BTEX + N + TMBs by 8260B**

Benzene	14300	200	µg/L	200	L591170		12/20/2021	12/20/2021	
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**BTEX+N+TMBs by 8260B**

1,2,4-Trimethylbenzene	388	50	µg/L	50	L590868		12/18/2021	12/18/2021	
1,3,5-Trimethylbenzene	251	50	"	"	"		"	"	
Ethylbenzene	566	50	"	"	"		"	"	
Naphthalene	ND	250	"	"	"		"	"	
Toluene	ND	100	"	"	"		"	"	
Xylene (Total)	6940	50	"	"	"		"	"	

Surrogate: 1,2-Dichloroethane - d4	94 %	63-136			"		"	"	
Surrogate: 4-Bromofluorobenzene	73.6 %	71-137			"		"	"	
Surrogate: Dibromofluoromethane	107 %	70-128			"		"	"	
Surrogate: Toluene-d8	83.2 %	70-130			"		"	"	

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Jeb Watts  
 Project Number: [none]  
 Project: DCP - Mewbourne

**MW13**

**12/8/2021 2:54:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
**Y112238-13 (Water)**

**BTEX + N + TMBs by 8260B**

Benzene	690	10	µg/L	10	L591170		12/20/2021	12/20/2021	
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**BTEX+N+TMBs by 8260B**

1,2,4-Trimethylbenzene	8.56	1	µg/L	1	L590868		12/18/2021	12/18/2021	
1,3,5-Trimethylbenzene	12.4	1	"	"	"		"	"	
Ethylbenzene	72.3	1	"	"	"		"	"	
Naphthalene	ND	5	"	"	"		"	"	
Toluene	ND	5	"	"	"		"	"	
Xylene (Total)	52.8	1	"	"	"		"	"	

Surrogate: 1,2-Dichloroethane - d4	98 %	63-136			"		"	"	
Surrogate: 4-Bromofluorobenzene	76.4 %	71-137			"		"	"	
Surrogate: Dibromofluoromethane	107 %	70-128			"		"	"	
Surrogate: Toluene-d8	83 %	70-130			"		"	"	

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Jeb Watts  
 Project Number: [none]  
 Project: DCP - Mewbourne

**MW14**

**12/8/2021 2:13:00PM**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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**Waypoint Analytical, Inc.**  
**Y112238-14 (Water)**

**BTEX+N+TMBs by 8260B**

1,2,4-Trimethylbenzene	1.4	1	µg/L	1	L590868		12/18/2021	12/18/2021	
1,3,5-Trimethylbenzene	0.62	1	"	"	"		"	"	J
Benzene	ND	2	"	"	"		"	"	
Ethylbenzene	1.01	1	"	"	"		"	"	
Naphthalene	ND	5	"	"	"		"	"	
Toluene	ND	5	"	"	"		"	"	
Xylene (Total)	5.43	1	"	"	"		"	"	

Surrogate: 1,2-Dichloroethane - d4	96 %	63-136			"		"	"	
Surrogate: 4-Bromofluorobenzene	72.2 %	71-137			"		"	"	
Surrogate: Dibromofluoromethane	110 %	70-128			"		"	"	
Surrogate: Toluene-d8	80 %	70-130			"		"	"	

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Jeb Watts  
 Project Number: [none]  
 Project: DCP - Mewbourne

**BTEX + N + TMBs by 8260B - Quality Control**  
**Waypoint Analytical, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch L591170 - 5030B</b>										
<b>LCSD (LCSD-L591170)</b>					Prepared: 12/20/2021 Analyzed: 12/20/2021					
Benzene	101	0.58	µg/L	100	101	70-130	2.2	20		
<b>LCS (LCS-L591170)</b>					Prepared: 12/20/2021 Analyzed: 12/20/2021					
Benzene	98.8	0.58	µg/L	100	98.8	70-130				
<b>LRB (LRB-L591170)</b>					Prepared: 12/20/2021 Analyzed: 12/20/2021					
Benzene	ND	1	µg/L							

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Jen Pellegrini, Project Manager

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Jeb Watts  
 Project Number: [none]  
 Project: DCP - Mewbourne

**BTEX+N+TMBs by 8260B - Quality Control**  
**Waypoint Analytical, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch L590868 - 5030B**

<b>MSD (L 99505-MSD-L590868)</b>		<b>Source: Y112238-14</b>			<b>Prepared: 12/18/2021 Analyzed: 12/18/2021</b>					
1,2,4-Trimethylbenzene	87.1	0.53	µg/L	100	1.4	85.7	55-149	0	30	
Toluene	97.5	5	"	100	0.79	97.5	64-145	2.4	30	
Ethylbenzene	97.7	0.56	"	100	1.01	96.6	65-141	1.3	30	
Benzene	115	2	"	100	1.28	114	58-143	4.4	30	
1,3,5-Trimethylbenzene	90.4	0.62	"	100	0.62	90.4	57-150	0.3	30	
Naphthalene	66.3	4.49	"	100	99505	66.3	51-153	5.1	30	
Surrogate: Dibromofluoromethane	107		"	50	55	107	70-128			
Surrogate: Toluene-d8	84		"	50	40	84	70-130			
Surrogate: 4-Bromofluorobenzene	80.8		"	50	36.1	80.8	71-137			
Surrogate: 1,2-Dichloroethane - d4	92.6		"	50	48	92.6	63-136			

<b>MS (L 99505-MS-L590868)</b>		<b>Source: Y112238-14</b>			<b>Prepared: 12/18/2021 Analyzed: 12/18/2021</b>					
Toluene	95.1	5	µg/L	100	0.79	95.1	64-145			
Naphthalene	63	4.49	"	100	99505	63	51-153			
Ethylbenzene	96.4	0.56	"	100	1.01	95.3	65-141			
Benzene	110	2	"	100	1.28	109	58-143			
1,3,5-Trimethylbenzene	90.7	0.62	"	100	0.62	90.7	57-150			
1,2,4-Trimethylbenzene	87.1	0.53	"	100	1.4	85.7	55-149			
Surrogate: Dibromofluoromethane	106		"	50	55	106	70-128			
Surrogate: 4-Bromofluorobenzene	80.2		"	50	36.1	80.2	71-137			
Surrogate: Toluene-d8	84.6		"	50	40	84.6	70-130			
Surrogate: 1,2-Dichloroethane - d4	93.4		"	50	48	93.4	63-136			

<b>LCS (LCS-L590868)</b>		<b>Prepared: 12/18/2021 Analyzed: 12/18/2021</b>								
1,3,5-Trimethylbenzene	97.4	0.62	µg/L	100		97.4	75-125			
Benzene	112	0.58	"	100		112	70-130			
Ethylbenzene	104	0.56	"	100		104	80-120			
Naphthalene	65.4	4.49	"	100		65.4	55-145			

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 Project: DCP - Mewbourne

**BTEX+N+TMBs by 8260B - Quality Control**  
**Waypoint Analytical, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch L590868 - 5030B**

**LCS (LCS-L590868)**

Prepared: 12/18/2021 Analyzed: 12/18/2021

Toluene	99	0.48	µg/L	100		99	80-120			
1,2,4-Trimethylbenzene	93.2	0.53	"	100		93.2	65-135			
Surrogate: 4-Bromofluorobenzene	76.8		"	50		76.8	71-137			
Surrogate: Dibromofluoromethane	99.2		"	50		99.2	70-128			
Surrogate: Toluene-d8	80.2		"	50		80.2	70-130			
Surrogate: 1,2-Dichloroethane - d4	86		"	50		86	63-136			

**LRB (LRB-L590868)**

Prepared: 12/18/2021 Analyzed: 12/18/2021

1,2,4-Trimethylbenzene	ND	1	µg/L				-			
Toluene	ND	2	"				-			
Naphthalene	ND	5	"				-			
Ethylbenzene	ND	1	"				-			
Benzene	ND	1	"				-			
1,3,5-Trimethylbenzene	ND	1	"				-			
Surrogate: Toluene-d8	81		"	50		81	70-130			
Surrogate: Dibromofluoromethane	112		"	50		112	70-128			
Surrogate: 4-Bromofluorobenzene	73.4		"	50		73.4	71-137			
Surrogate: 1,2-Dichloroethane - d4	96.6		"	50		96.6	63-136			

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Tasman Geosciences  
6855 West 119th Avenue  
Broomfield CO 80020

Jeb Watts  
Project Number: [none]  
Project: DCP - Mewbourne

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### Notes and Definitions

J Estimated Value. Analyte below reported quantitation limit.

\* QC Failure

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.*

---

Jen Pellegrini, Project Manager

# Summit Scientific

---

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

December 21, 2021

Jeb Watts

Tasman Geosciences

6855 W. 119th Ave.

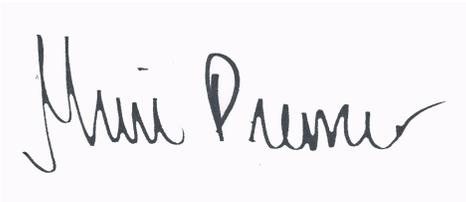
Broomfield, CO 80020

RE: Mewbourn

Work Order #2112138

Enclosed are the results of analyses for samples received by Summit Scientific on 12/07/21 17:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink on a light blue background. The signature reads "Muri Premer" in a cursive script.

Muri Premer For Paul Shrewsbury  
President



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

Project: Mewbourn

Project Number: [none]

Project Manager: Jeb Watts

**Reported:**  
12/21/21 11:40

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW12@22'	2112138-01	Soil	12/07/21 10:30	12/07/21 17:30
MW12@24'	2112138-02	Soil	12/07/21 10:45	12/07/21 17:30
MW13@20'	2112138-03	Soil	12/07/21 12:20	12/07/21 17:30
MW13@24'	2112138-04	Soil	12/07/21 12:35	12/07/21 17:30
MW14@16'	2112138-06	Soil	12/07/21 14:35	12/07/21 17:30

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

2112138

741 Corporate Circle Suite I ♦ Golden, Colorado 80401  
303-277-9310 ♦ 303-374-5933 Fax

Page 1 of 1

Client: DCP/Tasman  
Address: 6855 W 119<sup>th</sup> Ave  
City/State/Zip: Broomfield, CO 80020  
Phone: 303-487-1228 Fax: \_\_\_\_\_  
Sampler Name: Brian Gabel

Project Manager: Jeb Watts/Steve Weathers  
E-Mail: j.watts@tasman-geo.com / s.wweathers@dcpmidstream.com /  
Project Name: Mowbourn cecote@dcpmidstream.com  
Project Number: \_\_\_\_\_

Sample Description	Date Sampled	Time Sampled	Number of Containers	Preservative				Matrix			Analyze For:							Special Instructions
				HCl	HNO <sub>3</sub>	None	Other (Specify)	Groundwater	Soil	Air - Canister Serial #	Other (Specify)	Table 915-1 BTEX	Table 915-1 TPH	Table 915-1 Naphtals/PAH	Table 915-1 Benz(a)anthracene	Table 915-1 1,2 Methyl/naphthalene	Table 915-1 Fluorene	
MW12 @ 22'	12/7/21	1030	2			X			X			X	X	X	X	X		HOLD MW14 eq'
MW12 @ 24'		1045	2			X		X			X	X	X	X	X			
MW13 @ 20'		1220	2			X		X			X	X	X	X	X			
MW13 @ 24'		1235	2			X		X			X	X	X	X	X			
MW14 @ 9'		1420	2			X		X			X	X	X	X	X			
MW14 @ 16'		1435	2			X		X			X	X	X	X	X			

Relinquished by: <u>Brian Gabel</u>	Date/Time: <u>12/7/21 1730</u>	Received by: <u>Tasman mailbox</u>	Date/Time: <u>12/7/21 1730</u>	<b>Turn Around Time (Check)</b> Same Day <input type="checkbox"/> 72 Hours <input type="checkbox"/> 24 Hours <input type="checkbox"/> Standard <input checked="" type="checkbox"/> 48 Hours <input type="checkbox"/>  <b>Sample Integrity:</b> Temperature Upon Receipt: <u>6.7</u> Intact: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Notes:
Relinquished by:	Date/Time:	Received by:	Date/Time:		
Relinquished by:	Date/Time:	Received in Lab by:	Date/Time:		

S<sub>2</sub>

2112138

Sample Receipt Checklist

S2 Work Order#

Client: DCP/Tasman Client Project ID: Newbourne

Shipped Via:  H.D./P.U./FedEx/UPS/USPS/Other  Airbill #: \_\_\_\_\_

Matrix (check all that apply):  Air  Soil/Solid  Water  Other: \_\_\_\_\_  
(Describe)

Temp (°C) 6.7

Thermometer ID: G86A9201901378

	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature at 4°C +/- 2°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.	-			ON ICE
Were all samples received intact <sup>(1)</sup> ?	-			
Was adequate sample volume provided <sup>(1)</sup> ?	-			
If custody seals are present, are they intact <sup>(1)</sup> ?	-			
Are samples with holding times due within 48 hours sample due within 48 hours present?		-		
Is a chain-of-custody (COC) form present and filled out completely <sup>(1)</sup> ?	-			
Does the COC agree with the number and type of sample bottles received <sup>(1)</sup> ?	-			
Do the sample IDs on the bottle labels match the COC <sup>(1)</sup> ?	-			
Is the COC properly relinquished by the client w/ date and time recorded <sup>(1)</sup> ?	-			
For volatiles in water – is there headspace present? If yes, contact client and note in narrative.			-	
Are samples preserved that require preservation (excluding cooling) <sup>(1)</sup> ? Note the type of preservative in the Comments column – HCl, H2SO4, NaOH, HNO3, etc.			-	
If samples are acid preserved for metals, is the pH ≤ 2 <sup>(1)</sup> ? Record the pH in Comments.			-	
If dissolved metals are requested, were samples field filtered?			-	
Additional Comments (if any):				

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

[Signature]  
Custodian Printed Name or Initials

12.7.21  
Date/Time



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

Project: Mewbourn

Project Number: [none]  
Project Manager: Jeb Watts

**Reported:**  
12/21/21 11:40

**MW12@22'**  
**2112138-01 (Soil)**

**Summit Scientific**

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

Date Sampled: **12/07/21 10:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Benzene</b>	<b>0.044</b>	0.0020	mg/kg	1	BEL0203	12/09/21	12/10/21	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>0.51</b>	0.0050	"	"	"	"	"	"	
<b>Xylenes (total)</b>	<b>1.7</b>	0.010	"	"	"	"	"	"	
<b>1,2,4-Trimethylbenzene</b>	<b>6.5</b>	0.50	"	100	"	"	"	"	
<b>1,3,5-Trimethylbenzene</b>	<b>3.9</b>	0.50	"	"	"	"	"	"	
<b>Naphthalene</b>	<b>0.050</b>	0.0038	"	1	"	"	"	"	
<b>Gasoline Range Hydrocarbons</b>	<b>210</b>	50	"	100	"	"	"	"	

Date Sampled: **12/07/21 10:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		116 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		105 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		108 %	21-167		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **12/07/21 10:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>C10-C28 (DRO)</b>	<b>190</b>	50	mg/kg	1	BEL0202	12/09/21	12/10/21	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **12/07/21 10:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		127 %	30-150		"	"	"	"	

**PAH by EPA Method 8270D SIM**

Summit Scientific

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

Project: Mewbourn

Project Number: [none]  
Project Manager: Jeb Watts

**Reported:**  
12/21/21 11:40

**MW12@22'**  
**2112138-01 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270D SIM**

Date Sampled: **12/07/21 10:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzo (a) anthracene	ND	0.00500	mg/kg	1	BEL0180	12/09/21	12/15/21	EPA 8270D SIM	
<b>Fluorene</b>	<b>0.00979</b>	0.00500	"	"	"	"	"	"	
<b>1-Methylnaphthalene</b>	<b>0.0800</b>	0.00500	"	"	"	"	"	"	
<b>2-Methylnaphthalene</b>	<b>0.169</b>	0.00500	"	"	"	"	"	"	

Date Sampled: **12/07/21 10:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 2-Methylnaphthalene-d10		52.2 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		48.0 %	40-150		"	"	"	"	

Summit Scientific

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

Project: Mewbourn

Project Number: [none]  
Project Manager: Jeb Watts

**Reported:**  
12/21/21 11:40

**MW12@24'**  
**2112138-02 (Soil)**

**Summit Scientific**

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

Date Sampled: **12/07/21 10:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Benzene</b>	<b>0.018</b>	0.0020	mg/kg	1	BEL0203	12/09/21	12/10/21	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **12/07/21 10:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		139 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		106 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		107 %	21-167		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **12/07/21 10:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BEL0202	12/09/21	12/10/21	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **12/07/21 10:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		110 %	30-150		"	"	"	"	

**PAH by EPA Method 8270D SIM**

Summit Scientific

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

Project: Mewbourn

Project Number: [none]  
Project Manager: Jeb Watts

**Reported:**  
12/21/21 11:40

**MW12@24'**  
**2112138-02 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270D SIM**

Date Sampled: **12/07/21 10:45**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Benzo (a) anthracene	ND	0.00500	mg/kg	1	BEL0180	12/09/21	12/15/21	EPA 8270D SIM	
Fluorene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **12/07/21 10:45**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Surrogate: 2-Methylnaphthalene-d10		56.3 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		55.1 %	40-150		"	"	"	"	

Summit Scientific

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

Project: Mewbourn

Project Number: [none]  
Project Manager: Jeb Watts

**Reported:**  
12/21/21 11:40

**MW13@20'**  
**2112138-03 (Soil)**

**Summit Scientific**

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

Date Sampled: **12/07/21 12:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Benzene</b>	<b>0.0079</b>	0.0020	mg/kg	1	BEL0203	12/09/21	12/10/21	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **12/07/21 12:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		114 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		106 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		111 %	21-167		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **12/07/21 12:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BEL0202	12/09/21	12/10/21	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **12/07/21 12:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		98.3 %	30-150		"	"	"	"	

**PAH by EPA Method 8270D SIM**

Summit Scientific

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

Project: Mewbourn

Project Number: [none]  
Project Manager: Jeb Watts

**Reported:**  
12/21/21 11:40

**MW13@20'**  
**2112138-03 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270D SIM**

Date Sampled: **12/07/21 12:20**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Benzo (a) anthracene	ND	0.00500	mg/kg	1	BEL0180	12/09/21	12/15/21	EPA 8270D SIM	
Fluorene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **12/07/21 12:20**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Surrogate: 2-Methylnaphthalene-d10		43.1 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		50.5 %	40-150		"	"	"	"	

Summit Scientific

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

Project: Mewbourn

Project Number: [none]  
Project Manager: Jeb Watts

**Reported:**  
12/21/21 11:40

**MW13@24'**  
**2112138-04 (Soil)**

**Summit Scientific**

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

Date Sampled: **12/07/21 12:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	BEL0203	12/09/21	12/10/21	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	"	
Naphthalene	ND	0.0038	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **12/07/21 12:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		115 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		110 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		113 %	21-167		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **12/07/21 12:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	BEL0202	12/09/21	12/10/21	EPA 8015M	
C28-C36 (ORO)	ND	50	"	"	"	"	"	"	

Date Sampled: **12/07/21 12:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		88.8 %	30-150		"	"	"	"	

**PAH by EPA Method 8270D SIM**

Summit Scientific

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

Project: Mewbourn

Project Number: [none]  
Project Manager: Jeb Watts

**Reported:**  
12/21/21 11:40

**MW13@24'**  
**2112138-04 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270D SIM**

Date Sampled: **12/07/21 12:35**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Benzo (a) anthracene	ND	0.00500	mg/kg	1	BEL0180	12/09/21	12/15/21	EPA 8270D SIM	
Fluorene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **12/07/21 12:35**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Surrogate: 2-Methylnaphthalene-d10		55.4 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		51.9 %	40-150		"	"	"	"	

Summit Scientific

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

Project: Mewbourn

Project Number: [none]  
Project Manager: Jeb Watts

**Reported:**  
12/21/21 11:40

**MW14@16'**  
**2112138-06 (Soil)**

**Summit Scientific**

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

Date Sampled: **12/07/21 14:35**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	ND	0.0020		mg/kg	1	BEL0203	12/09/21	12/10/21	EPA 8260B	
Toluene	ND	0.0050		"	"	"	"	"	"	
Ethylbenzene	ND	0.0050		"	"	"	"	"	"	
Xylenes (total)	ND	0.010		"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050		"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050		"	"	"	"	"	"	
Naphthalene	ND	0.0038		"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50		"	"	"	"	"	"	

Date Sampled: **12/07/21 14:35**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4		123 %		23-173		"	"	"	"	
Surrogate: Toluene-d8		110 %		20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		111 %		21-167		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **12/07/21 14:35**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
C10-C28 (DRO)	ND	50		mg/kg	1	BEL0202	12/09/21	12/10/21	EPA 8015M	
C28-C36 (ORO)	ND	50		"	"	"	"	"	"	

Date Sampled: **12/07/21 14:35**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: o-Terphenyl		98.4 %		30-150		"	"	"	"	

**PAH by EPA Method 8270D SIM**

Summit Scientific

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

Project: Mewbourn

Project Number: [none]  
Project Manager: Jeb Watts

**Reported:**  
12/21/21 11:40

**MW14@16'**  
**2112138-06 (Soil)**

**Summit Scientific**

**PAH by EPA Method 8270D SIM**

Date Sampled: **12/07/21 14:35**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Benzo (a) anthracene	ND	0.00500	mg/kg	1	BEL0180	12/09/21	12/15/21	EPA 8270D SIM	
Fluorene	ND	0.00500	"	"	"	"	"	"	
1-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.00500	"	"	"	"	"	"	

Date Sampled: **12/07/21 14:35**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Surrogate: 2-Methylnaphthalene-d10		50.2 %	40-150		"	"	"	"	
Surrogate: Fluoranthene-d10		54.0 %	40-150		"	"	"	"	

Summit Scientific

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

Project: Mewbourn

Project Number: [none]  
Project Manager: Jeb Watts

**Reported:**  
12/21/21 11:40

### 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 BEL0203 - EPA 5030 Soil MS

##### Blank (BEL0203-BLK1)

Prepared: 12/09/21 Analyzed: 12/10/21

Benzene	ND	0.0020	mg/kg								
Toluene	ND	0.0050	"								
Ethylbenzene	ND	0.0050	"								
Xylenes (total)	ND	0.010	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
Naphthalene	ND	0.0038	"								
Gasoline Range Hydrocarbons	ND	0.50	"								
<i>Surrogate: 1,2-Dichloroethane-d4</i>	0.0492		"	0.0400		123	23-173				
<i>Surrogate: Toluene-d8</i>	0.0446		"	0.0400		112	20-170				
<i>Surrogate: 4-Bromofluorobenzene</i>	0.0428		"	0.0400		107	21-167				

##### LCS (BEL0203-BS1)

Prepared: 12/09/21 Analyzed: 12/10/21

Benzene	0.161	0.0020	mg/kg	0.150		108	70-130				
Toluene	0.150	0.0050	"	0.150		100	70-130				
Ethylbenzene	0.142	0.0050	"	0.150		94.8	70-130				
m,p-Xylene	0.276	0.010	"	0.300		92.0	70-130				
o-Xylene	0.144	0.0050	"	0.150		96.2	70-130				
1,2,4-Trimethylbenzene	0.151	0.0050	"	0.150		101	70-130				
1,3,5-Trimethylbenzene	0.146	0.0050	"	0.150		97.6	70-130				
Naphthalene	0.170	0.0038	"	0.150		114	70-130				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	0.0414		"	0.0400		104	23-173				
<i>Surrogate: Toluene-d8</i>	0.0421		"	0.0400		105	20-170				
<i>Surrogate: 4-Bromofluorobenzene</i>	0.0400		"	0.0400		100	21-167				

##### Matrix Spike (BEL0203-MS1)

Source: 2112140-01

Prepared: 12/09/21 Analyzed: 12/10/21

Benzene	0.145	0.0020	mg/kg	0.150	ND	96.3	70-130				
Toluene	0.136	0.0050	"	0.150	ND	90.5	70-130				
Ethylbenzene	0.129	0.0050	"	0.150	ND	86.2	70-130				
m,p-Xylene	0.251	0.010	"	0.300	ND	83.7	70-130				
o-Xylene	0.131	0.0050	"	0.150	ND	87.1	70-130				
1,2,4-Trimethylbenzene	0.138	0.0050	"	0.150	ND	91.8	70-130				
1,3,5-Trimethylbenzene	0.133	0.0050	"	0.150	ND	88.6	70-130				
Naphthalene	0.141	0.0038	"	0.150	ND	94.1	70-130				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	0.0430		"	0.0400		108	23-173				
<i>Surrogate: Toluene-d8</i>	0.0422		"	0.0400		105	20-170				
<i>Surrogate: 4-Bromofluorobenzene</i>	0.0412		"	0.0400		103	21-167				

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

Project: Mewbourn

Project Number: [none]  
Project Manager: Jeb Watts

**Reported:**  
12/21/21 11:40

**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 BEL0203 - EPA 5030 Soil MS**

<b>Matrix Spike Dup (BEL0203-MSD1)</b>	<b>Source: 2112140-01</b>			Prepared: 12/09/21 Analyzed: 12/10/21						
Benzene	0.150	0.0020	mg/kg	0.150	ND	99.9	70-130	3.61	30	
Toluene	0.145	0.0050	"	0.150	ND	96.9	70-130	6.87	30	
Ethylbenzene	0.136	0.0050	"	0.150	ND	90.7	70-130	5.16	30	
m,p-Xylene	0.264	0.010	"	0.300	ND	88.0	70-130	4.94	30	
o-Xylene	0.138	0.0050	"	0.150	ND	91.8	70-130	5.30	30	
1,2,4-Trimethylbenzene	0.144	0.0050	"	0.150	ND	96.1	70-130	4.64	30	
1,3,5-Trimethylbenzene	0.141	0.0050	"	0.150	ND	94.1	70-130	6.02	30	
Naphthalene	0.156	0.0038	"	0.150	ND	104	70-130	9.88	30	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0413</i>		<i>"</i>	<i>0.0400</i>		<i>103</i>	<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0421</i>		<i>"</i>	<i>0.0400</i>		<i>105</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0402</i>		<i>"</i>	<i>0.0400</i>		<i>101</i>	<i>21-167</i>			

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

Project: Mewbourn  
Project Number: [none]  
Project Manager: Jeb Watts

**Reported:**  
12/21/21 11:40

**Extractable Petroleum Hydrocarbons by 8015 - Quality Control**  
**Summit Scientific**

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

**Batch BEL0202 - EPA 3550A**

**Blank (BEL0202-BLK1)**

Prepared: 12/09/21 Analyzed: 12/10/21

C10-C28 (DRO)	ND	50	mg/kg							
C28-C36 (ORO)	ND	50	"							

**LCS (BEL0202-BS1)**

Prepared: 12/09/21 Analyzed: 12/10/21

C10-C28 (DRO)	502	50	mg/kg	500	100	70-130				
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**Matrix Spike (BEL0202-MS1)**

Source: 2112118-01

Prepared: 12/09/21 Analyzed: 12/10/21

C10-C28 (DRO)	535	50	mg/kg	500	34.9	100	70-130			
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**Matrix Spike Dup (BEL0202-MSD1)**

Source: 2112118-01

Prepared: 12/09/21 Analyzed: 12/10/21

C10-C28 (DRO)	506	50	mg/kg	500	34.9	94.3	70-130	5.51	20	
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Tasman Geosciences  
6855 W. 119th Ave.  
Broomfield CO, 80020

Project: Mewbourn

Project Number: [none]  
Project Manager: Jeb Watts

**Reported:**  
12/21/21 11:40

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

**Summit Scientific**

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

**Batch BEL0180 - EPA 5030 Soil MS**

**Blank (BEL0180-BLK1)**

Prepared: 12/09/21 Analyzed: 12/15/21

Acenaphthene	ND	0.00500	mg/kg							
Anthracene	ND	0.00500	"							
Benzo (a) anthracene	ND	0.00500	"							
Benzo (a) pyrene	ND	0.00500	"							
Benzo (b) fluoranthene	ND	0.00500	"							
Benzo (k) fluoranthene	ND	0.00500	"							
Chrysene	ND	0.00500	"							
Dibenz (a,h) anthracene	ND	0.00500	"							
Fluoranthene	ND	0.00500	"							
Fluorene	ND	0.00500	"							
Indeno (1,2,3-cd) pyrene	ND	0.00500	"							
Pyrene	ND	0.00500	"							
1-Methylnaphthalene	ND	0.00500	"							
2-Methylnaphthalene	ND	0.00500	"							
Surrogate: 2-Methylnaphthalene-d10	0.0248		"	0.0333		74.3	40-150			
Surrogate: Fluoranthene-d10	0.0276		"	0.0333		82.8	40-150			

**LCS (BEL0180-BS1)**

Prepared: 12/09/21 Analyzed: 12/15/21

Acenaphthene	0.0259	0.00500	mg/kg	0.0333		77.8	31-137			
Anthracene	0.0267	0.00500	"	0.0333		80.0	30-120			
Benzo (a) anthracene	0.0243	0.00500	"	0.0333		72.8	30-120			
Benzo (a) pyrene	0.0242	0.00500	"	0.0333		72.7	30-120			
Benzo (b) fluoranthene	0.0354	0.00500	"	0.0333		106	30-120			
Benzo (k) fluoranthene	0.0313	0.00500	"	0.0333		94.0	30-120			
Chrysene	0.0264	0.00500	"	0.0333		79.2	30-120			
Dibenz (a,h) anthracene	0.0263	0.00500	"	0.0333		78.9	30-120			
Fluoranthene	0.0265	0.00500	"	0.0333		79.5	30-120			
Fluorene	0.0290	0.00500	"	0.0333		87.0	30-120			
Indeno (1,2,3-cd) pyrene	0.0230	0.00500	"	0.0333		69.1	30-120			
Pyrene	0.0277	0.00500	"	0.0333		83.2	35-142			
1-Methylnaphthalene	0.0217	0.00500	"	0.0333		65.2	35-142			
2-Methylnaphthalene	0.0213	0.00500	"	0.0333		63.8	35-142			
Surrogate: 2-Methylnaphthalene-d10	0.0213		"	0.0333		63.8	40-150			
Surrogate: Fluoranthene-d10	0.0260		"	0.0333		77.9	40-150			

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

Project: Mewbourn

Project Number: [none]  
Project Manager: Jeb Watts

**Reported:**  
12/21/21 11:40

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

**Summit Scientific**

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

**Batch BEL0180 - EPA 5030 Soil MS**

<b>Matrix Spike (BEL0180-MS1)</b>	<b>Source: 2111330-01</b>			Prepared: 12/09/21 Analyzed: 12/15/21					
Acenaphthene	0.0214	0.00500	mg/kg	0.0333	ND	64.3	31-137		
Anthracene	0.0209	0.00500	"	0.0333	ND	62.8	30-120		
Benzo (a) anthracene	0.0194	0.00500	"	0.0333	ND	58.1	30-120		
Benzo (a) pyrene	0.0204	0.00500	"	0.0333	ND	61.3	30-120		
Benzo (b) fluoranthene	0.0270	0.00500	"	0.0333	ND	81.1	30-120		
Benzo (k) fluoranthene	0.0347	0.00500	"	0.0333	ND	104	30-120		
Chrysene	0.0216	0.00500	"	0.0333	ND	64.9	30-120		
Dibenz (a,h) anthracene	0.0223	0.00500	"	0.0333	ND	67.0	30-120		
Fluoranthene	0.0218	0.00500	"	0.0333	ND	65.5	30-120		
Fluorene	0.0231	0.00500	"	0.0333	ND	69.3	30-120		
Indeno (1,2,3-cd) pyrene	0.0227	0.00500	"	0.0333	ND	68.0	30-120		
Pyrene	0.0228	0.00500	"	0.0333	ND	68.5	35-142		
1-Methylnaphthalene	0.0184	0.00500	"	0.0333	ND	55.1	15-130		
2-Methylnaphthalene	0.0181	0.00500	"	0.0333	ND	54.3	15-130		
<i>Surrogate: 2-Methylnaphthalene-d10</i>	<i>0.0188</i>		<i>"</i>	<i>0.0333</i>		<i>56.5</i>	<i>40-150</i>		
<i>Surrogate: Fluoranthene-d10</i>	<i>0.0207</i>		<i>"</i>	<i>0.0333</i>		<i>62.0</i>	<i>40-150</i>		

<b>Matrix Spike Dup (BEL0180-MSD1)</b>	<b>Source: 2111330-01</b>			Prepared: 12/09/21 Analyzed: 12/15/21					
Acenaphthene	0.0231	0.00500	mg/kg	0.0333	ND	69.4	31-137	7.72	30
Anthracene	0.0235	0.00500	"	0.0333	ND	70.4	30-120	11.5	30
Benzo (a) anthracene	0.0223	0.00500	"	0.0333	ND	66.9	30-120	14.1	30
Benzo (a) pyrene	0.0229	0.00500	"	0.0333	ND	68.7	30-120	11.4	30
Benzo (b) fluoranthene	0.0303	0.00500	"	0.0333	ND	90.9	30-120	11.4	30
Benzo (k) fluoranthene	0.0374	0.00500	"	0.0333	ND	112	30-120	7.60	30
Chrysene	0.0243	0.00500	"	0.0333	ND	72.8	30-120	11.5	30
Dibenz (a,h) anthracene	0.0205	0.00500	"	0.0333	ND	61.4	30-120	8.69	30
Fluoranthene	0.0233	0.00500	"	0.0333	ND	69.8	30-120	6.45	30
Fluorene	0.0255	0.00500	"	0.0333	ND	76.4	30-120	9.78	30
Indeno (1,2,3-cd) pyrene	0.0210	0.00500	"	0.0333	ND	62.9	30-120	7.88	30
Pyrene	0.0256	0.00500	"	0.0333	ND	76.7	35-142	11.3	30
1-Methylnaphthalene	0.0184	0.00500	"	0.0333	ND	55.2	15-130	0.279	50
2-Methylnaphthalene	0.0181	0.00500	"	0.0333	ND	54.3	15-130	0.0221	50
<i>Surrogate: 2-Methylnaphthalene-d10</i>	<i>0.0196</i>		<i>"</i>	<i>0.0333</i>		<i>58.7</i>	<i>40-150</i>		
<i>Surrogate: Fluoranthene-d10</i>	<i>0.0224</i>		<i>"</i>	<i>0.0333</i>		<i>67.1</i>	<i>40-150</i>		

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

Project: Mewbourn

Project Number: [none]  
Project Manager: Jeb Watts

**Reported:**  
12/21/21 11:40

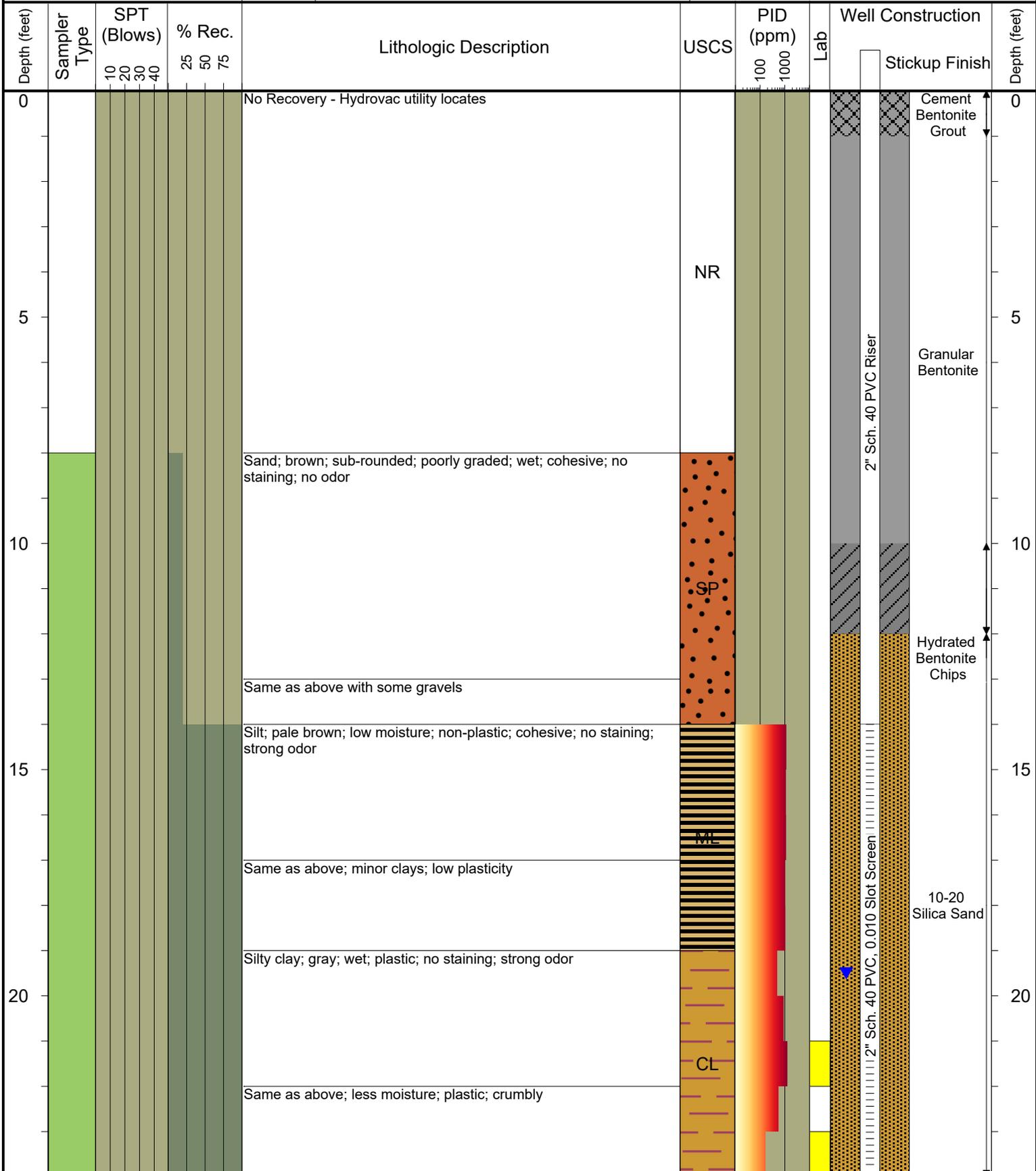
### Notes and Definitions

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



6855 W. 119th Ave.  
Broomfield, Colorado 80020

CLIENT: DCP Midstream	<b>MEWBOURN GP</b>
LOGGED BY: B. Gabel	
PROJECT MANAGER: J. Watts	<b>BORING / WELL ID: MW12</b>
DRILLING CONTRACTOR: Site Services Drilling	
DRILLING EQUIPMENT: CME 55	LOCATION: Weld County, CO
DRILL BIT SIZE (INCHES): 8.25	LATITUDE:
DATE STARTED - COMPLETED: 12/7/21 - 12/7/21	LONGITUDE:
TOTAL WELL DEPTH (FT. BGS): 24	CASING ELEVATION (FT. AMSL):
DEPTH TO WATER (FT. BGS): 19.5	GROUND ELEVATION (FT. AMSL):



**Drilling / Sample Method:**

- Solid Stem Auger
- Split Spoon Sampler
- Hollow Stem Auger
- CME Continuous Sample Tube

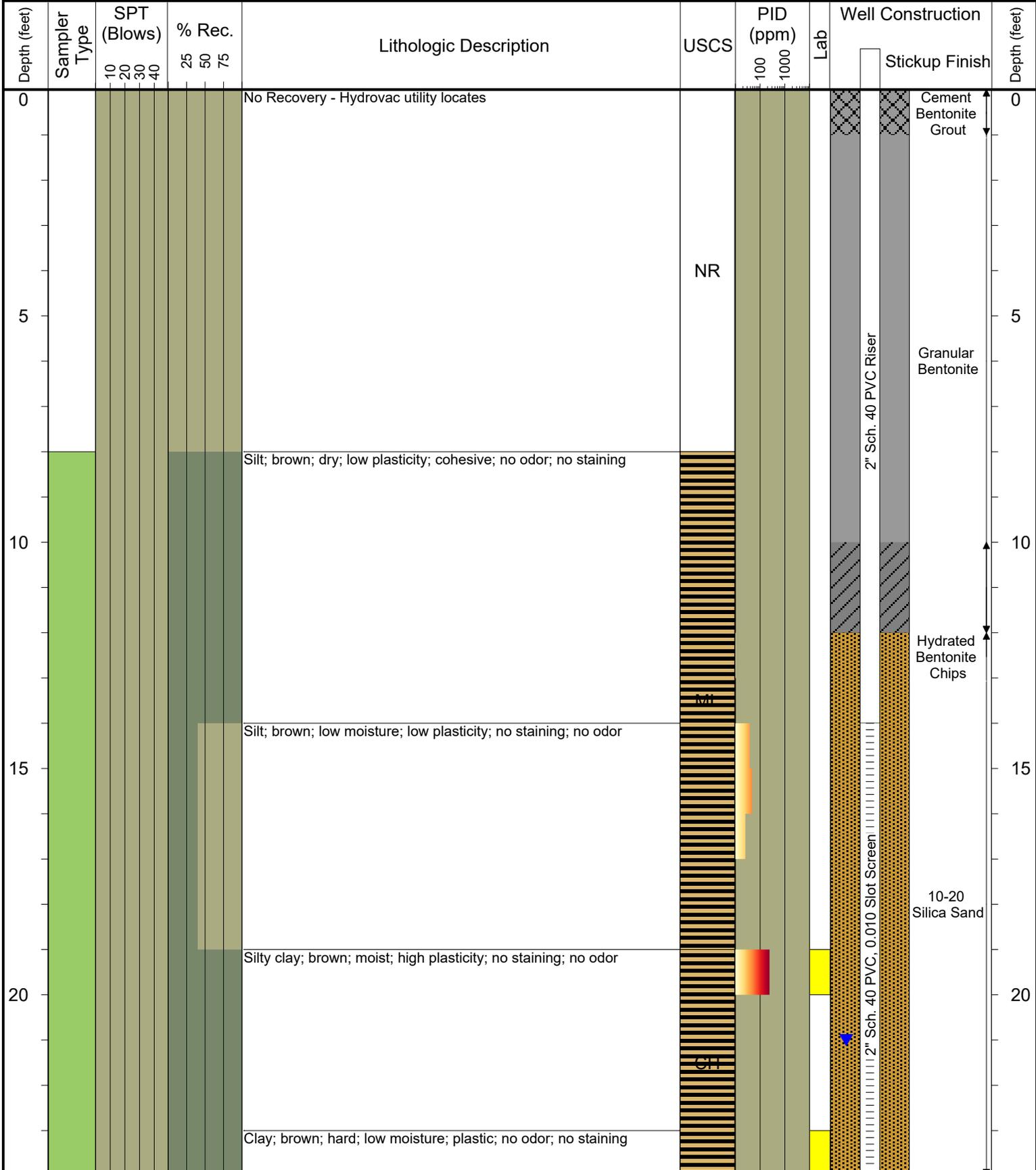
**Laboratory Sample Types:**

- Geotechnical Lab
- Analytical Chemistry Lab
- Geotechnical & Analytical Chemistry Lab



6855 W. 119th Ave.  
Broomfield, Colorado 80020

CLIENT: DCP Midstream	<b>MEWBOURN GP</b>
LOGGED BY: B. Gabel	
PROJECT MANAGER: J. Watts	<b>BORING / WELL ID: MW13</b>
DRILLING CONTRACTOR: Site Services Drilling	
DRILLING EQUIPMENT: CME 55	LOCATION: Weld County, CO
DRILL BIT SIZE (INCHES): 8.25	LATITUDE:
DATE STARTED - COMPLETED: 12/7/21 - 12/7/21	LONGITUDE:
TOTAL WELL DEPTH (FT. BGS): 24	CASING ELEVATION (FT. AMSL):
DEPTH TO WATER (FT. BGS): 21	GROUND ELEVATION (FT. AMSL):



**Drilling / Sample Method:**

- Solid Stem Auger
- Split Spoon Sampler
- Hollow Stem Auger
- CME Continuous Sample Tube

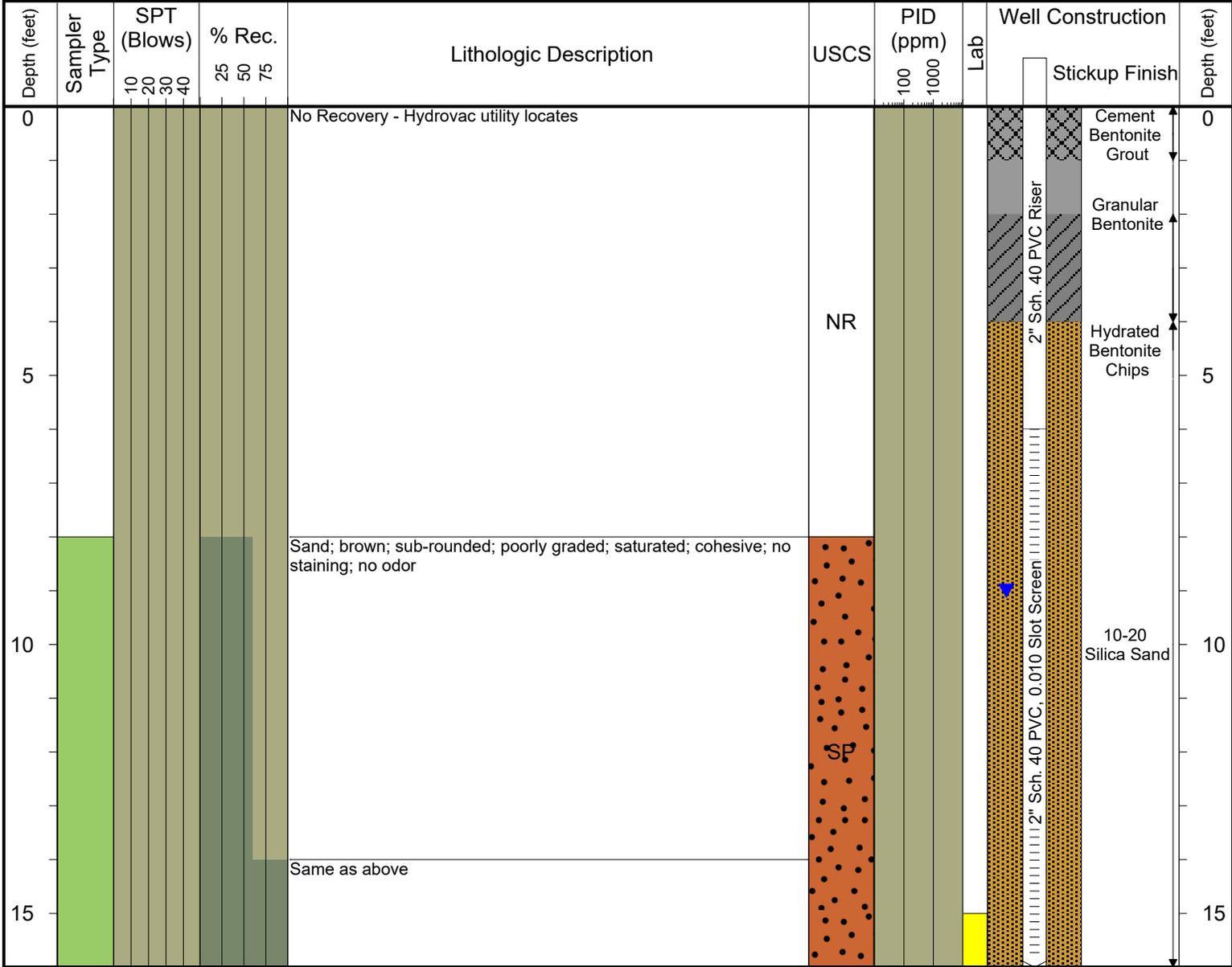
**Laboratory Sample Types:**

- Geotechnical Lab
- Analytical Chemistry Lab
- Geotechnical & Analytical Chemistry Lab



6855 W. 119th Ave.  
Broomfield, Colorado 80020

CLIENT: DCP Midstream	<b>MEWBOURN GP</b>
LOGGED BY: B. Gabel	
PROJECT MANAGER: J. Watts	<b>BORING / WELL ID: MW14</b>
DRILLING CONTRACTOR: Site Services Drilling	
DRILLING EQUIPMENT: CME 55	LOCATION: Weld County, CO
DRILL BIT SIZE (INCHES): 8.25	LATITUDE:
DATE STARTED - COMPLETED: 12/7/21 - 12/7/21	LONGITUDE:
TOTAL WELL DEPTH (FT. BGS): 16	CASING ELEVATION (FT. AMSL):
DEPTH TO WATER (FT. BGS): 9	GROUND ELEVATION (FT. AMSL):



<b>Drilling / Sample Method:</b>				<b>Laboratory Sample Types:</b>			
Solid Stem Auger	Split Spoon Sampler	Geotechnical Lab	Geotechnical & Analytical Chemistry Lab	Hollow Stem Auger	CME Continuous Sample Tube	Analytical Chemistry Lab	

**DCP – MEWBOURN GAS PLANT SITE**  
**FORM 27 SUPPLEMENTAL SUMMARY REPORT**  
**Timeline of Landowner Access Coordination**

- February 9 – March 2, 2021 –
  - Tasman and DCP corresponded multiple times with FRICO representatives and onsite visit on March 4, 2021, to discuss monitoring well installation within the FRICO right of way to conduct investigation activities.
  - DCP right of way was contacted.
- April 1, 2021 –
  - Tasman on behalf of DCP, contacted FRICO for Temporary Access Permit (TAP) to 3 monitoring wells and 48-hour notification.
- May – June 2021 –
  - FRICO and Tasman correspondence regarding well install and monitoring plan(s)
- July 9, 2021 –
  - DCP Right of Way contacted landowners east of the facility to install MW10. Monitoring well was installed on July 14<sup>th</sup>, 2021
  - Tasman on behalf of DC.P, contacted FRICO for monthly access to 3 monitoring wells and 48-hour notification
- August 17, 2021 –
  - Tasman and DCP sign Temporary Access and Construction Permit (TACP) for access to the FRICO property for 1-year (8/18/21 – 8/17/22)
- September 9, 2021 –
  - Tasman on behalf of DCP, contacted FRICO for monthly access to 3 monitoring wells and 48-hour notification.
- October 5, 2021 –
  - DCP Right of Way contacted landowners to the north of the gas plant
    - Immediate lot to the north did not respond
    - Next lot to the North met with ROW to discuss potential access and well installation.
- October 14, 2021-
  - Tasman on behalf of DCP, contacted FRICO for monthly access to 3 monitoring wells and 48-hour notification.
- October 18, 2021-
  - DCP Right of Way obtained a monitoring well easement from Rick and Colleen Margheim, the neighbors to the north, for MW14.
- November 12, 2021 –
  - Tasman on behalf of DCP, contacted FRICO for monthly access to 3 monitoring wells and 48-hour notification.
- December 2, 2021 –
  - Tasman on behalf of DCP, notified COGCC at least 72 hours in advance that monitoring well installation was taking place at Mewbourn GP.
- December 6, 2021 –
  - Tasman on behalf of DCP, contacted FRICO for monthly access to 3 monitoring wells and 48-hour notification.