

**DCP – MEWBOURN GAS PLANT SITE
FORM 27 SUPPLEMENTAL SUMMARY REPORT
March and April 2021 Investigation**

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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 |
|---|--------------|------------|-------------------|-------------------|-----------------|----------------------|-----------------------|--------------------------------|--------------------------------|---------------------|-------------|----------------------------------|
| COGCC Protection of Groundwater Soil Screening Level Standards Risk & MCL Based ^(1 & 2) (mg/kg) | - | - | - | 0.0026 (M) | 0.69 (M) | 0.78 (M) | 9.9 (M) | 0.0081 (R) | 0.0087 (R) | 0.0038 (R) | 500 | |
| MW01 @ 13' | 3/9/2021 | 2103151 | 1575.0 | 0.22 | <0.0050 | 0.21 | 0.34 | 0.39 | 0.11 | 0.049 | 635 | |
| MW01 @ 23' | 3/9/2021 | 2103151 | 2.2 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | <0.0038 | <50 | |
| MW02 @ 12' | 3/10/2021 | 2103180 | 1446.0 | 0.17 | <0.0050 | 0.045 | <0.010 | 0.086 | <0.0050 | 0.40 | 722 | |
| MW02 @ 23' | 3/10/2021 | 2103180 | 0.0 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | <0.0038 | <50 | |
| MW03 @ 17' | 3/9/2021 | 2103151 | 718.6 | 0.02 | <0.0050 | 0.4 | 2.2 | 0.69 | 0.17 | 0.22 | <500 | GRO = 68 mg/kg & DRO = 120 mg/kg |
| MW03 @ 23' | 3/9/2021 | 2103151 | 3.9 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | <0.0038 | <50 | |
| MW04 @ 17' | 3/10/2021 | 2103180 | 761.0 | 0.0072 | <0.0050 | 0.027 | 0.13 | 7.0 | 5.5 | 0.022 | <50 | |
| MW04 @ 23' | 3/10/2021 | 2103180 | 0.9 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | <0.0038 | <50 | |
| MW05 @ 13' | 3/10/2021 | 2103180 | 1164.0 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | <0.0038 | <500 | GRO = 250 mg/kg & DRO = 76 mg/kg |
| MW05 @ 23' | 3/10/2021 | 2103180 | 0.0 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | <0.0038 | <50 | |
| MW06 @ 11' | 3/11/2021 | 2103222 | 0.0 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | <0.00500 | <50 | |
| MW06 @ 23' | 3/11/2021 | 2103222 | 0.0 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | <0.00500 | <50 | |
| MW07 @ 13' | 4/7/2021 | 2104103 | 0.0 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | <0.0038 | <50 | Background Location |
| MW07 @ 23' | 4/7/2021 | 2104103 | 0.0 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | <0.0038 | <50 | Background Location |
| MW08 @ 19' | 4/7/2021 | 2104103 | 166.2 | <0.0020 | <0.0050 | 0.24 | 1.1 | 7.1 | 0.063 | 0.020 | 1500 | GRO = 1500 ; DRO = ND; ORO = ND |
| MW08 @ 23' | 4/7/2021 | 2104103 | 0.4 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | <0.0038 | 0.57 | GRO = 0.57 ; DRO = ND; ORO = ND |
| MW09 @ 20' | 4/8/2021 | 2104134 | 2.1 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | <0.0038 | <50 | Background Location |
| MW09 @ 25' | 4/8/2021 | 2104134 | 0.7 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | <0.0038 | <50 | Background Location |
| Ditch Soil - 01 | 4/2/2021 | 2104031 | 0.8 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | <0.00500 | <50 | |
| Spoil Soil - 01 | 4/2/2021 | 2104031 | 15.2 | <0.0020 | <0.0050 | <0.0050 | <0.010 | <0.0050 | <0.0050 | <0.00500 | <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 (C₆ - C₁₀) and extractable (C₁₀ - C₃₀) 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 |
|--|--------------|------------|-------------------|----------------------|--------------------|---------------------------|------------------------------|------------------------------|------------------------|------------------|--------------------------------|----------------------|------------------|--------------------------------|-----------------------------|-----------------------------|----------------|---------------------|
| COGCC Protection of Groundwater Soil Screening Level Standards Risk & MCL Based ^(1 & 2) (mg/kg) | - | - | - | 0.55 (R) | 5.8 (R) | 0.011 (R) | 0.3 (R) | 2.9 (R) | 0.24 (M) | 9 (R) | 0.096 (R) | 8.9 (R) | 0.54 (R) | 0.98 (R) | 0.006 (R) | 0.019 (R) | 1.3 (R) | |
| MW01 @ 13' | 3/9/2021 | 2103151 | 1575.0 | <0.0500 | 0.623 | <0.0500 | <0.0500 | <0.0500 | <0.0500 | 0.0596 | <0.0500 | <0.0500 | <0.0500 | <0.0500 | 3.07 | 7.79 | <0.0500 | |
| MW01 @ 23' | 3/9/2021 | 2103151 | 2.2 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | |
| MW02 @ 12' | 3/10/2021 | 2103180 | 1446.0 | <0.00500 | 0.205 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | 0.0245 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | 0.895 | 1.37 | 0.0118 | |
| MW02 @ 23' | 3/10/2021 | 2103180 | 0.0 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | |
| MW03 @ 17' | 3/9/2021 | 2103151 | 718.6 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | 0.00608 | <0.00500 | <0.00500 | 0.0269 | <0.00500 | 0.213 | 0.460 | <0.00500 | |
| MW03 @ 23' | 3/9/2021 | 2103151 | 3.9 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | |
| MW04 @ 17' | 3/10/2021 | 2103180 | 761.0 | <0.00500 | 0.0193 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | 0.00686 | 0.00853 | <0.00500 | 0.0479 | 0.101 | <0.00500 | |
| MW04 @ 23' | 3/10/2021 | 2103180 | 0.9 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | |
| MW05 @ 13' | 3/10/2021 | 2103180 | 1164.0 | <0.00500 | 0.116 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | 0.0134 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | 0.499 | 0.907 | 0.00671 | |
| MW05 @ 23' | 3/10/2021 | 2103180 | 0.0 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | |
| MW06 @ 11' | 3/11/2021 | 2103222 | 0.0 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | |
| MW06 @ 23' | 3/11/2021 | 2103222 | 0.0 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | <0.00500 | |
| MW07 @ 13' | 4/7/2021 | 2104103 | 0.0 | - | - | <0.00500 | - | - | - | - | - | - | <0.00500 | - | <0.00500 | <0.00500 | - | Background Location |
| MW07 @ 23' | 4/7/2021 | 2104103 | 0.0 | - | - | <0.00500 | - | - | - | - | - | - | <0.00500 | - | <0.00500 | <0.00500 | - | Background Location |
| MW08 @ 19' | 4/7/2021 | 2104103 | 166.2 | - | - | <0.00500 | - | - | - | - | - | - | 0.0156 | - | 0.0923 | 0.190 | - | |
| MW08 @ 23' | 4/7/2021 | 2104103 | 0.4 | - | - | <0.00500 | - | - | - | - | - | - | <0.00500 | - | <0.00500 | <0.00500 | - | |
| MW09 @ 20' | 4/8/2021 | 2104134 | 2.1 | - | - | <0.00500 | - | - | - | - | - | - | <0.00500 | - | <0.00500 | <0.00500 | - | Background Location |
| MW09 @ 25' | 4/8/2021 | 2104134 | 0.7 | - | - | <0.00500 | - | - | - | - | - | - | <0.00500 | - | <0.00500 | <0.00500 | - | Background Location |
| Ditch Soil - 01 | 4/2/2021 | 2104031 | 0.8 | - | - | <0.00500 | - | - | - | - | - | - | <0.00500 | - | <0.00500 | <0.00500 | - | |
| Spoil Soil - 01 | 4/2/2021 | 2104031 | 15.2 | - | - | <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
Mewbourn Gas Plant
General Chemistry and Inorganic Soil Sample Results
Weld County, Colorado

| Sample ID | Date Sampled | Lab Report | PID Reading (PPM) | pH (pH units) | Specific Conductance (EC) (mmhos/cm) | Sodium Adsorption Ratio (SAR) | Boron (mg/l) | Arsenic ³ (mg/kg) | Barium (mg/kg) | Cadmium (mg/kg) | Chromium (VI) (mg/kg) | Copper (mg/kg) | Lead (mg/kg) | Nickel (mg/kg) | Selenium (mg/kg) | Silver (mg/kg) | Zinc (mg/kg) | Comments |
|--|--------------|------------|-------------------|---------------|--------------------------------------|-------------------------------|--------------|------------------------------|----------------|-----------------|-----------------------|----------------|--------------|----------------|------------------|----------------|--------------|---------------------|
| COGCC Protection of Groundwater Soil Screening Level Standards Risk & MCL Based ^(1 & 2) (mg/kg) | - | - | - | 6-8.3 | <4 mmhos/cm | <6 | 2 (mg/L) | 0.29 (M) | 82 (M) | 0.38 (M) | 0.00067 (R) | 46 (M) | 14 (M) | 26 (R) | 0.26 (M) | 0.8 (R) | 370 (R) | |
| MW01 @ 13' | 3/9/2021 | 2103151 | 1575.0 | 8.51 | 0.995 | 3.1 | 0.0136 | 1.63 | - | - | <0.30 | - | - | - | <0.306 | - | - | |
| MW01 @ 23' | 3/9/2021 | 2103151 | 2.2 | 8.24 | 0.614 | 0.302 | <0.0100 | 3.28 | - | - | <0.30 | - | - | - | <0.321 | - | - | |
| MW02 @ 12' | 3/10/2021 | 2103180 | 1446.0 | 8.44 | 0.610 | 2.01 | 0.0199 | 1.90 | 81.4 | <0.225 | <0.30 | 6.15 | 5.70 | 6.16 | 0.599 | <0.0225 | 24.3 | |
| MW02 @ 23' | 3/10/2021 | 2103180 | 0.0 | 8.36 | 0.505 | 1.67 | 0.0122 | 1.78 | 40.6 | <0.237 | <0.30 | 4.60 | 4.69 | 4.39 | 0.409 | <0.0237 | 25.4 | |
| MW03 @ 17' | 3/9/2021 | 2103151 | 718.6 | 8.29 | 0.344 | 1.15 | <0.0100 | 1.97 | - | - | <0.30 | - | - | - | <0.300 | - | - | |
| MW03 @ 23' | 3/9/2021 | 2103151 | 3.9 | 8.38 | 0.369 | 1.61 | 0.0397 | 4.14 | - | - | <0.30 | - | - | - | <0.308 | - | - | |
| MW04 @ 17' | 3/10/2021 | 2103180 | 761.0 | 8.40 | 0.300 | 0.667 | <0.0100 | 1.67 | 82.2 | <0.236 | <0.30 | 5.76 | 5.58 | 5.29 | 0.582 | <0.0236 | 24.6 | |
| MW04 @ 23' | 3/10/2021 | 2103180 | 0.9 | 8.10 | 0.460 | 0.813 | <0.0100 | 5.83 | 67.5 | <0.235 | <0.30 | 11.3 | 10.1 | 11.2 | 1.00 | <0.0235 | 54.2 | |
| MW05 @ 13' | 3/10/2021 | 2103180 | 1164.0 | 8.25 | 0.558 | 2.14 | 0.0141 | 1.34 | 60.8 | <0.233 | <0.30 | 10.6 | 4.70 | 4.66 | 0.540 | <0.0233 | 27.4 | |
| MW05 @ 23' | 3/10/2021 | 2103180 | 0.0 | 8.23 | 0.904 | 2.56 | 0.0351 | 4.46 | 41.0 | <0.252 | <0.30 | 5.10 | 6.01 | 5.13 | 0.496 | <0.0252 | 28.3 | |
| MW06 @ 11' | 3/11/2021 | 2103222 | 0.0 | 8.1 | 0.40 | 3.00 | 0.0884 | 1.01 | 121 | <0.235 | <0.30 | 7.08 | 6.73 | 7.96 | 0.887 | <0.0235 | 39.5 | |
| MW06 @ 23' | 3/11/2021 | 2103222 | 0.0 | 8.0 | 0.51 | 2.55 | 0.147 | 3.1 | 38.5 | <0.228 | <0.30 | 5.2 | 5.52 | 4.97 | 0.51 | <0.0228 | 27.1 | |
| MW07 @ 13' | 4/7/2021 | 2104103 | 0.0 | 8.16 | 0.7 | 1.32 | 0.0573 | 2.06 | - | - | - | - | - | - | 0.869 | - | - | Background Location |
| MW07 @ 23' | 4/7/2021 | 2104103 | 0.0 | 8.29 | 0.5 | 1.89 | 0.0691 | 7.83 | - | - | - | - | - | - | 1.21 | - | - | Background Location |
| MW08 @ 19' | 4/7/2021 | On Hold | 166.2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| MW08 @ 23' | 4/7/2021 | On Hold | 0.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| MW09 @ 20' | 4/8/2021 | 2104134 | 2.1 | 8.41 | 0.305 | 0.291 | 0.0621 | 2.85 | - | - | - | - | - | - | 0.866 | - | - | Background Location |
| MW09 @ 25' | 4/8/2021 | 2104134 | 0.7 | 8.18 | 0.6 | 1.4 | 0.0738 | 1.73 | - | - | - | - | - | - | 0.264 | - | - | Background Location |
| Ditch Soil - 01 | 4/2/2021 | 2104031 | 0.8 | 7.8 | 0.765 | 2.56 | 0.230 | NS | - | - | - | - | - | - | NS | - | - | |
| Spoil Soil - 01 | 4/2/2021 | 2104031 | 15.2 | 7.66 | 1.39 | 2.43 | 0.229 | NS | - | - | - | - | - | - | NS | - | - | |

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.

3). The Arsenic concentration from soil sample TP05@12' is within known background levels for soil in Weld County, Colorado

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 4
FIRST 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 | 3/16/2021 | 11.39 | - | - | 22.33 | 4820.52 | 4,809.13 | NC |
| MW02 | 3/16/2021 | 11.84 | - | - | 23.05 | 4850.71 | 4,838.87 | NC |
| MW03 | 3/16/2021 | 12.09 | - | - | 22.98 | 4820.59 | 4,808.50 | NC |
| MW04 | 3/16/2021 | 16.81 | - | - | 25.87 | 4826.13 | 4,809.32 | NC |
| MW05 | 3/16/2021 | 10.79 | - | - | 22.20 | 4818.18 | 4,807.39 | NC |
| MW06 | 3/16/2021 | 9.91 | - | - | 21.89 | 4817.73 | 4,807.82 | NC |
| MW07 | 4/12/2021 | 15.91 | - | - | 25.68 | 4,826.34 | 4,810.43 | NC |
| MW08 | 4/12/2021 | 11.55 | - | - | 22.43 | 4,821.00 | 4,809.45 | NC |
| MW09 | 4/12/2021 | 18.64 | - | - | 25.33 | 4,830.54 | 4,811.90 | NC |

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 5
FIRST QUARTER 2021 GROUNDWATER AND SURFACE WATER ANALYTICAL RESULTS
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) | | Total Dissolved Solids (mg/l) | Chloride (mg/l) | Sulfate (mg/l) | | Benzo(a)anthracene (µg/l) | Fluorene (µg/l) |
|---------------------------------------|-------------|------------|----------------|----------------|---------------------|----------------------|-------------------------------|-------------------------------|--------------------|--|-------------------------------|--|--|--|---------------------------|--------------------|
| COGCC Standards (µg/L) ⁽¹⁾ | | | 5 | 560 | 700 | 1,400 | 67 | 67 | 140 | | (<1.25 x local background) | (250 mg/l or <1.25 x local background) | (250 mg/l or <1.25 x local background) | | 0.16 ⁽²⁾ | 280 ⁽²⁾ |
| 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 |
| | | | | | | | | | | | | | | | | |
| 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 |
| | | | | | | | | | | | | | | | | |
| 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 |
| | | | | | | | | | | | | | | | | |
| 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 |
| | | | | | | | | | | | | | | | | |
| 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 |
| | | | | | | | | | | | | | | | | |
| 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 |
| | | | | | | | | | | | | | | | | |
| 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 |
| | | | | | | | | | | | | | | | | |
| MW08 | 4/12/2021 | Y104191 | <4.0 | <4.0 | 154 | 1020 | 463 | 296 | <16.0 | | 704 | 89.9 | <62.5 | | <0.1 | 0.667 |
| | | | | | | | | | | | | | | | | |
| 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 |
| | | | | | | | | | | | | | | | | |
| Surface Water-01 | 3/19/2021 | 2103294 | <1.0 | <1.0 | <1.0 | <2.0 | <1.0 | <1.0 | <1.0 | | 783 | 264 | 2,140 | | <1.0 | <2.0 |
| | | | | | | | | | | | | | | | | |

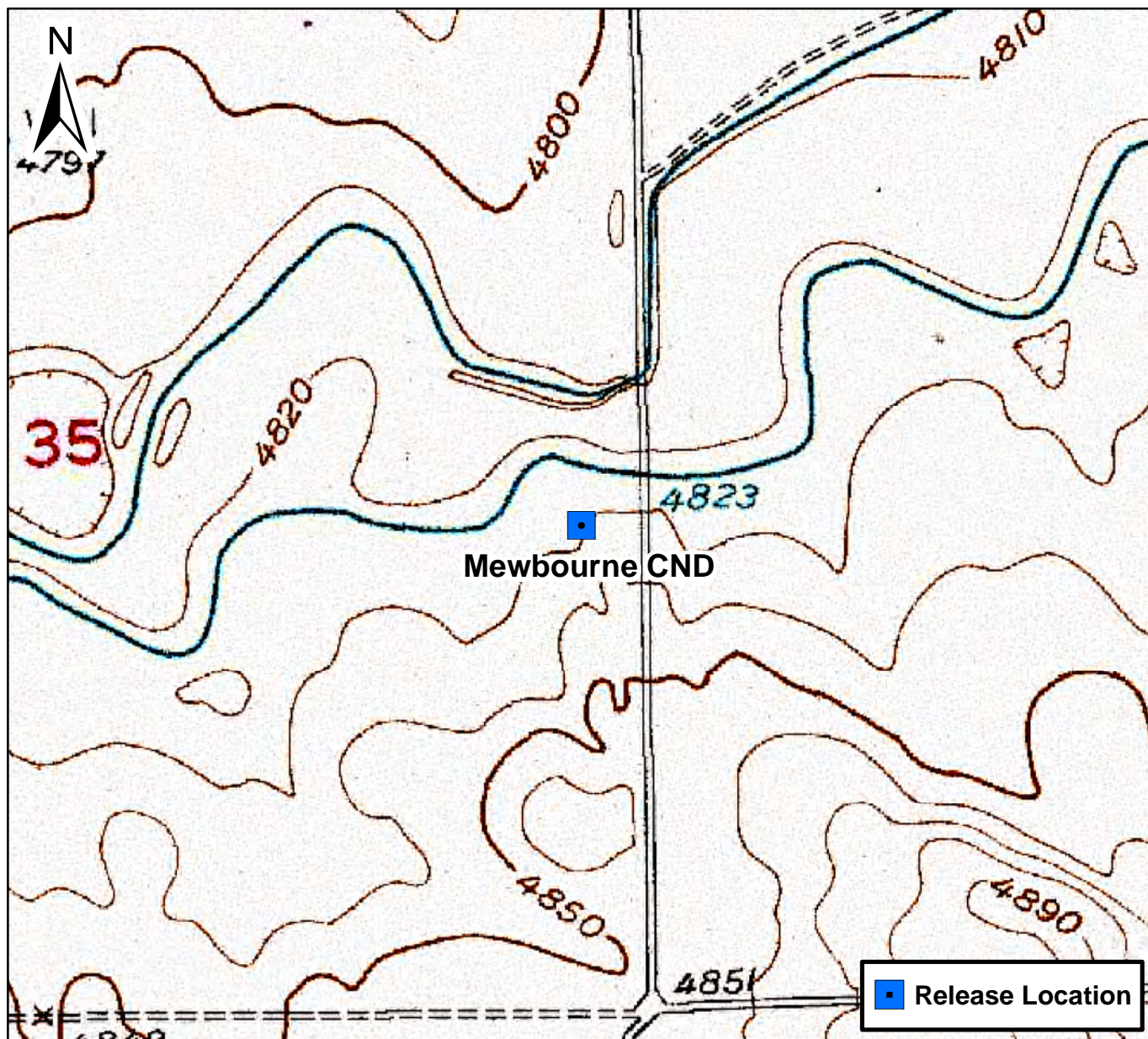
Notes:

- 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.



0 750 1,500 Feet

Figure 1

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





| | |
|--------------|-------------|
| DATE: | April 2021 |
| DESIGNED BY: | B. Humphrey |
| DRAWN BY: | J. Clonts |

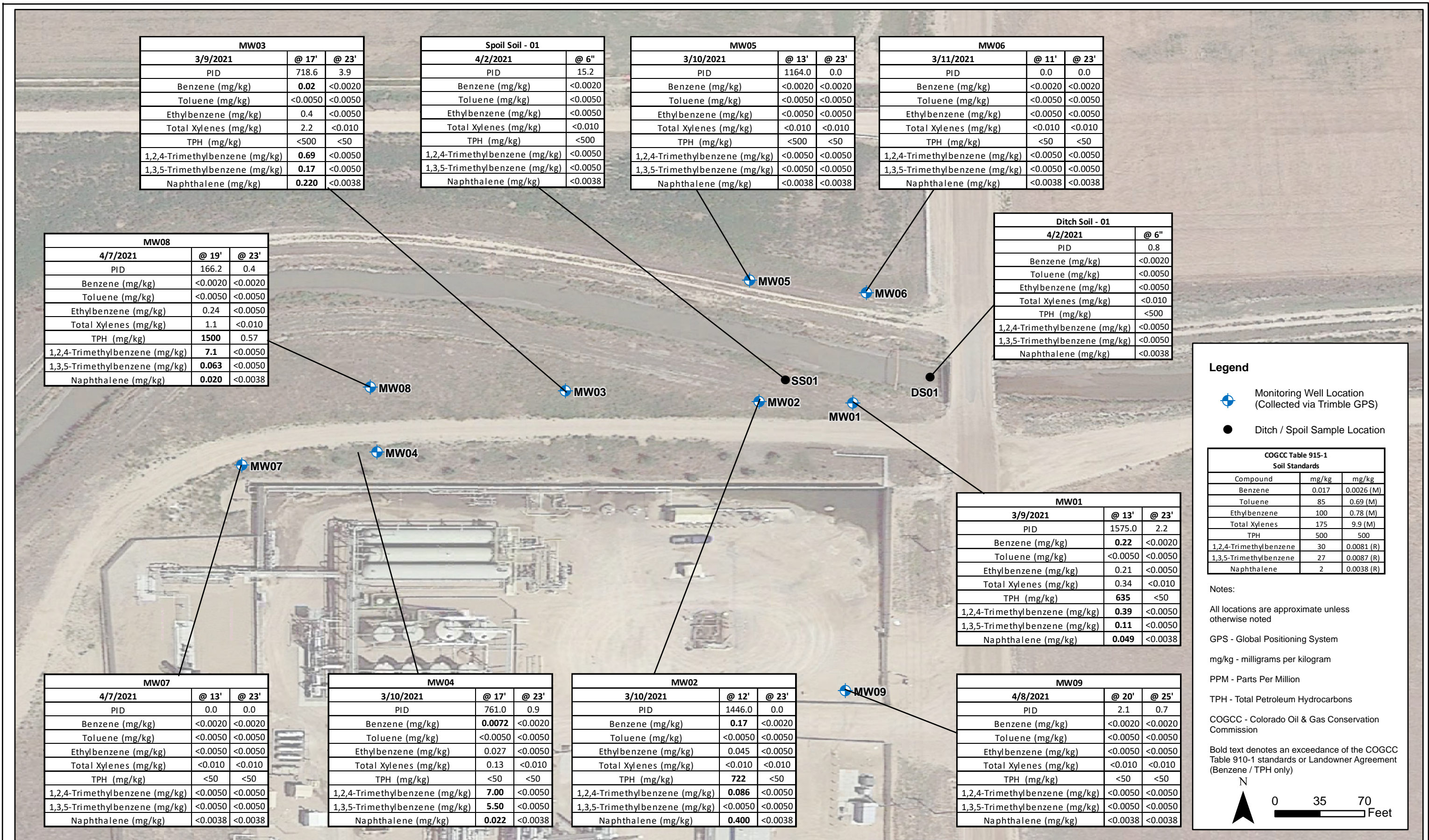


Tasman Geosciences, Inc.
6855 W. 119th Ave
Broomfield, CO 80020

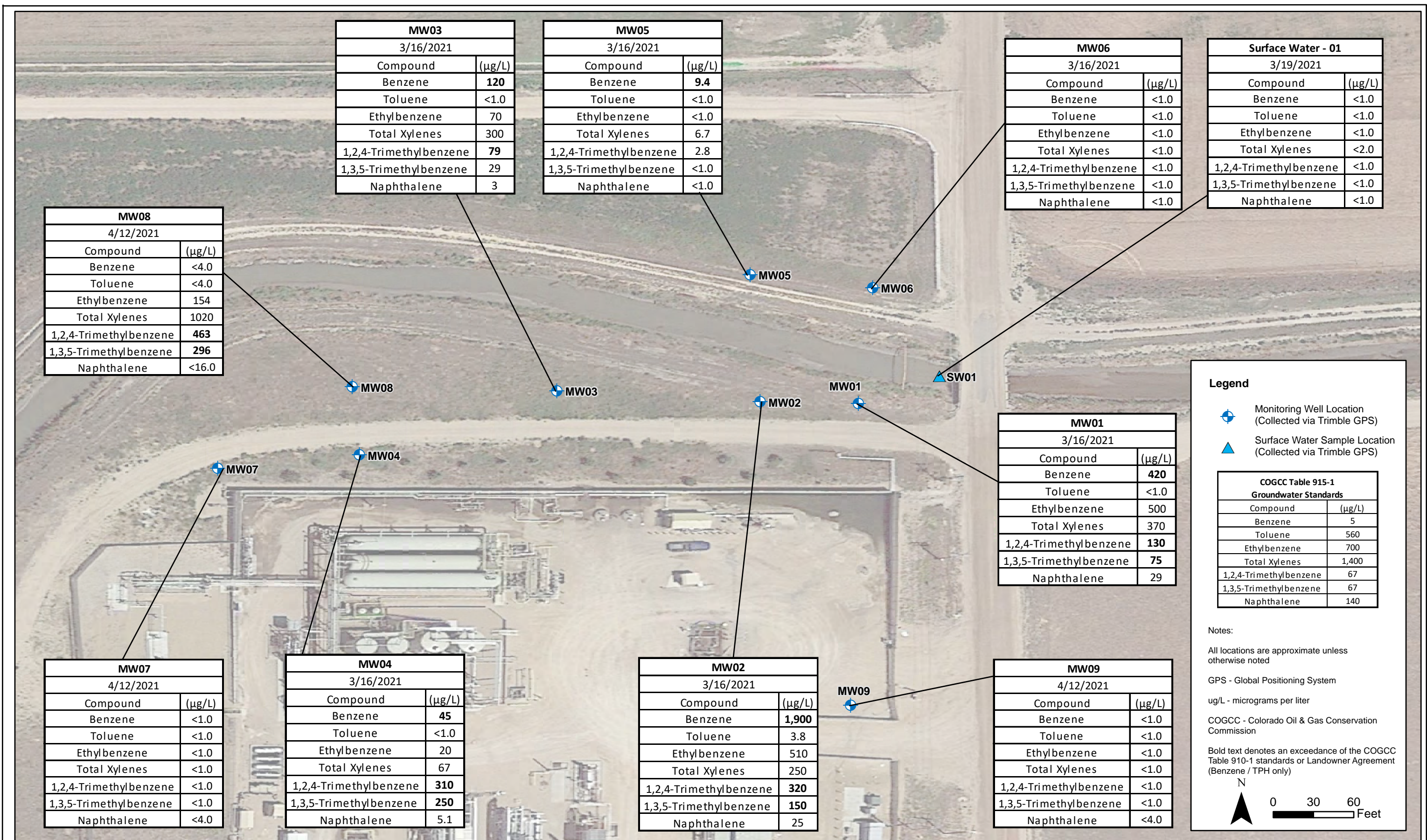
**DCP Midstream – DJ Basin
Mewbourn CND**
NESE, Section 35, Township 4 North, Range 66 West
Weld County, Colorado

Site Overview Map

Figure
2







DATE: April 2021

DESIGNED BY: B. Humphrey

DRAWN BY: J. Clonts



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

Groundwater Analytical
Results Map
(March 16 & April 12, 2021)

Figure
3

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

March 19, 2021

Brian Humphrey
Tasman Geosciences
6855 W. 119th Ave.
Broomfield, CO 80020
RE: DCP - Mewbourn
Work Order #2103151

Enclosed are the results of analyses for samples received by Summit Scientific on 03/09/21 16:40. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read 'P. Shrewsbury', with a stylized, cursive script.

Paul Shrewsbury
President



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

Project: DCP - Mewbourn

Project Number: [none]

Project Manager: Brian Humphrey

Reported:
03/19/21 11:53

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------|---------------|--------|----------------|----------------|
| MW01@13' | 2103151-01 | Soil | 03/09/21 10:00 | 03/09/21 16:40 |
| MW01@23' | 2103151-02 | Soil | 03/09/21 10:20 | 03/09/21 16:40 |
| MW03@17' | 2103151-03 | Soil | 03/09/21 13:45 | 03/09/21 16:40 |
| MW03@23' | 2103151-04 | Soil | 03/09/21 14:00 | 03/09/21 16:40 |

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

S₂

2103151

4653 Table Mountain Drive ♦ Golden, Colorado 80403

303-277-9310

Page 1 of 1

Client: DCP - TARMAN

Project Manager: B. HUMPHREY / C. COLR

Address: 6855 W. 115TH AVE

E-Mail: bhumphrey@t-smn-gco.com ; sumscat@dcprmidstream.com

City/State/Zip: BROOMFIELD, CO 80020

cec@dcprmidstream.com ; jwat@dcprmidstream.com

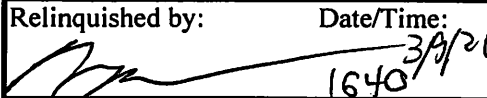
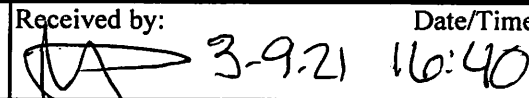
Phone: 303-520-0298

Project Name: DCP MELBOURNE

Sampler Name: GB/3W

Project Number:

| ID | Sample Description | Date Sampled | Time Sampled | # of containers | Preservative | | | | Matrix | | | | Analysis Requested | | | | | | | | | | Special Instructions |
|----|--------------------|--------------|--------------|-----------------|--------------|------------------|------|-------|--------|------|----------------|-------|--------------------|-----------|-----------|------|-----------|--------|-----------|-----------|-----------|-----------|----------------------|
| | | | | | HCl | HNO ₃ | None | Other | Water | Soil | Air-Canister # | Other | TABLE 915 | VOLATILES | TABLE 915 | PAHs | TABLE 915 | METALS | TABLE 915 | SARPHENYL | TABLE 915 | ALZ + DIO | |
| 1 | MWØ1Ø 13' | 3-9-21 | 1000 | 3 | | | X | | | X | | | X | X | X | X | X | X | | | | | |
| 2 | MWØ1Ø 23' | 3-9-21 | 1020 | 3 | | | X | | | X | | | X | X | X | X | X | X | | | | | |
| 3 | MWØ3Ø 17' | 3-9-21 | 1345 | 3 | | | X | | | X | | | X | X | X | X | X | X | | | | | |
| 4 | MWØ3Ø 23' | 3-9-21 | 1400 | 3 | | | X | | | X | | | X | X | X | X | X | X | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | |
|---|-------------------------------|---|--------------------------------|-----------------------------------|---|
| Relinquished by:  | Date/Time: <u>3-9-21 1640</u> | Received by:  | Date/Time: <u>3-9-21 16:40</u> | Turn Around Time (Check) | Notes: |
| Relinquished by: | Date/Time: | Received by: | Date/Time: | Same Day <input type="checkbox"/> | 72 hours <input checked="" type="checkbox"/> 24 hours <input checked="" type="checkbox"/> Standard <input type="checkbox"/> 48 hours <input type="checkbox"/> Sample Integrity: Temperature Upon Receipt: <u>6.1</u> Samples Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| Relinquished by: | Date/Time: | Received by: | Date/Time: | | |
| Relinquished by: | Date/Time: | Received by: | Date/Time: | | |

Sample Receipt Checklist

S2 Work Order

2103157

Client: DCP/Tasman

Client Project ID: Mewbourn

Shipped Via: H.D./P.U./FedEx/UPS/USPS/Other

Airbill #:

☐ ☒ ☐ ☐ ☐

Matrix (check all that apply):

☐ Air

☒ Soil/Solid

☐ Water

☐ Other:

(Describe)

Temp (°C)

6.1

Thermometer ID: 61857155-K

| | Yes | No | N/A | Comments (if any) |
|---|-------------------------------------|--------------------------|-------------------------------------|-------------------|
| If samples require cooling, was the temperature at 4°C +/- 2°C ⁽¹⁾ ? NOTE: If samples are delivered the same day of sampling, this requirement is met provided that there is evidence that cooling has begun. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | On Ice |
| Were all samples received intact ⁽¹⁾ ? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Was adequate sample volume provided ⁽¹⁾ ? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| If custody seals are present, are they intact ⁽¹⁾ ? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| Are samples with holding times due within 48 hours sample due within 48 hours present? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| Is a chain-of-custody (COC) form present and filled out completely ⁽¹⁾ ? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Is the COC properly relinquished by the client w/ date and time recorded ⁽¹⁾ ? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| For volatiles in water – is there headspace present? If yes, contact client and note in narrative. | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| Are samples preserved that require preservation (excluding cooling) ⁽¹⁾ ? Note the type of preservative in the Comments column – HCl, H2SO4, NaOH, HNO3, ect | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| If samples are acid preserved for metals, is the pH ≤ 2 ⁽¹⁾ ? Record the pH in Comments. | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| If dissolved metals are requested, were samples field filtered? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| Additional Comments (if any): | | | | |
| ⁽¹⁾ If NO, then contact the client before proceeding with analysis and note in case narrative. | | | | |

MP

Custodian Printed Name or Initials

Muri Premer

Signature of Custodian

3/9/21

Date/Time



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

Project: DCP - Mewbourn

Project Number: [none]

Project Manager: Brian Humphrey

Reported:
03/19/21 11:53

MW01@13'
2103151-01 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/09/21 10:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | 0.22 | 0.0020 | mg/kg | 1 | BEC0225 | 03/11/21 | 03/12/21 | EPA 8260B | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | 0.21 | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | 0.34 | 0.010 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | 0.39 | 0.0050 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | 0.11 | 0.0050 | " | " | " | " | " | " | |
| Naphthalene | 0.049 | 0.0038 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | 45 | 0.50 | " | " | " | " | " | " | |

Date Sampled: **03/09/21 10:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 101 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 101 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 425 % | 21-167 | | " | " | " | " | S-02 |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/09/21 10:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| C10-C28 (DRO) | 590 | 50 | mg/kg | 1 | BEC0224 | 03/11/21 | 03/12/21 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | " | " | " | " | " | " | |

Date Sampled: **03/09/21 10:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: o-Terphenyl | | 87.7 % | 30-150 | | " | " | " | " | |

PAH by EPA Method 8270D SIM

R-01

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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

Project: DCP - Mewbourn
Project Number: [none]
Project Manager: Brian Humphrey

Reported:
03/19/21 11:53

MW01@13'
2103151-01 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

R-01

Date Sampled: **03/09/21 10:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------|---------------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| Acenaphthene | ND | 0.0500 | mg/kg | 10 | BEC0239 | 03/11/21 | 03/14/21 | EPA 8270D SIM | |
| Anthracene | 0.623 | 0.0500 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.0500 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.0500 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.0500 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.0500 | " | " | " | " | " | " | |
| Chrysene | 0.0596 | 0.0500 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.0500 | " | " | " | " | " | " | |
| Fluoranthene | ND | 0.0500 | " | " | " | " | " | " | |
| Fluorene | ND | 0.0500 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | ND | 0.0500 | " | " | " | " | " | " | |
| Pyrene | ND | 0.0500 | " | " | " | " | " | " | |
| 1-Methylnaphthalene | 3.07 | 0.500 | " | 100 | " | " | " | " | |
| 2-Methylnaphthalene | 7.79 | 0.500 | " | " | " | " | " | " | |

Date Sampled: **03/09/21 10:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | | 85.7 % | 40-150 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | | 93.7 % | 40-150 | | " | " | " | " | |

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **03/09/21 10:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------|---------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Boron | 0.0136 | 0.0100 | mg/L | 1 | BEC0303 | 03/17/21 | 03/19/21 | EPA 6020B | |

Total Metals by EPA 6020B

Date Sampled: **03/09/21 10:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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

Project: DCP - Mewbourn

Project Number: [none]

Project Manager: Brian Humphrey

Reported:
03/19/21 11:53

MW01@13'
2103151-01 (Soil)

Summit Scientific

Total Metals by EPA 6020B

| | | | | | | | | |
|----------|------|-------|-----------|---|---------|----------|----------|-----------|
| Arsenic | 1.63 | 0.235 | mg/kg dry | 1 | BEC0229 | 03/11/21 | 03/11/21 | EPA 6020B |
| Selenium | ND | 0.306 | " | " | " | " | " | " |

Hexavalent Chromium by EPA Method 7196

Date Sampled: **03/09/21 10:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------------|-----------|----------|---------|----------|----------|-----------|-------|
| Chromium, Hexavalent | ND | 0.30 | mg/kg dry | 1 | BEC0250 | 03/12/21 | 03/12/21 | EPA 7196A | |

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **03/09/21 10:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Calcium | 63.9 | 0.0588 | mg/L dry | 1 | BEC0292 | 03/17/21 | 03/19/21 | EPA 6020B | |
| Magnesium | 18.0 | 0.0588 | " | " | " | " | " | " | |
| Sodium | 108 | 0.0588 | " | " | " | " | " | " | |

Calculated Analysis

Date Sampled: **03/09/21 10:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 3.07 | 0.100 | units | 1 | BEC0338 | 03/19/21 | 03/19/21 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **03/09/21 10:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | 85.0 | | % | 1 | BEC0208 | 03/10/21 | 03/11/21 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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

Project: DCP - Mewbourn

Project Number: [none]

Project Manager: Brian Humphrey

Reported:
03/19/21 11:53

MW01@13'
2103151-01 (Soil)

Summit Scientific

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **03/09/21 10:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------------|-----------|--|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| Specific Conductance (EC) | 0.995 | 0.0100 | | mmhos/cm | 1 | BEC0324 | 03/18/21 | 03/19/21 | EPA 120.1 | |

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **03/09/21 10:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|-------------|-----------|--|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| pH | 8.51 | | | pH Units | 1 | BEC0325 | 03/18/21 | 03/19/21 | EPA 9045D | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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

Project: DCP - Mewbourn
Project Number: [none]
Project Manager: Brian Humphrey

Reported:
03/19/21 11:53

MW01@23'
2103151-02 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/09/21 10:20**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | |
| Benzene | ND | 0.0020 | mg/kg | 1 | BEC0225 | 03/11/21 | 03/12/21 | 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: **03/09/21 10:20**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 75.3 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 109 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 103 % | 21-167 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/09/21 10:20**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | |
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | BEC0224 | 03/11/21 | 03/12/21 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | " | " | " | " | " | " | |

Date Sampled: **03/09/21 10:20**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |
| Surrogate: o-Terphenyl | | 102 % | 30-150 | | " | " | " | " | |

PAH by EPA Method 8270D SIM

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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

Project: DCP - Mewbourn

Project Number: [none]

Project Manager: Brian Humphrey

Reported:
03/19/21 11:53

MW01@23'
2103151-02 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **03/09/21 10:20**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------|--------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| Acenaphthene | ND | 0.00500 | mg/kg | 1 | BEC0239 | 03/11/21 | 03/13/21 | EPA 8270D SIM | |
| 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 | " | " | " | " | " | " | |

Date Sampled: **03/09/21 10:20**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | | 54.8 % | 40-150 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | | 50.3 % | 40-150 | | " | " | " | " | |

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **03/09/21 10:20**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Boron | ND | 0.0100 | mg/L | 1 | BEC0303 | 03/17/21 | 03/19/21 | EPA 6020B | |

Total Metals by EPA 6020B

Date Sampled: **03/09/21 10:20**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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

Project: DCP - Mewbourn
Project Number: [none]
Project Manager: Brian Humphrey

Reported:
03/19/21 11:53

MW01@23'
2103151-02 (Soil)

Summit Scientific

Total Metals by EPA 6020B

| | | | | | | | | |
|----------|------|-------|-----------|---|---------|----------|----------|-----------|
| Arsenic | 3.28 | 0.247 | mg/kg dry | 1 | BEC0229 | 03/11/21 | 03/11/21 | EPA 6020B |
| Selenium | ND | 0.321 | " | " | " | " | " | " |

Hexavalent Chromium by EPA Method 7196

Date Sampled: **03/09/21 10:20**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------------|-----------|----------|---------|----------|----------|-----------|-------|
| Chromium, Hexavalent | ND | 0.30 | mg/kg dry | 1 | BEC0250 | 03/12/21 | 03/12/21 | EPA 7196A | |

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **03/09/21 10:20**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Calcium | 67.5 | 0.0618 | mg/L dry | 1 | BEC0292 | 03/17/21 | 03/19/21 | EPA 6020B | |
| Magnesium | 25.9 | 0.0618 | " | " | " | " | " | " | |
| Sodium | 11.5 | 0.0618 | " | " | " | " | " | " | |

Calculated Analysis

Date Sampled: **03/09/21 10:20**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 0.302 | 0.100 | units | 1 | BEC0338 | 03/19/21 | 03/19/21 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **03/09/21 10:20**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | 80.9 | | % | 1 | BEC0208 | 03/10/21 | 03/11/21 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Summit Scientific

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

Project: DCP - Mewbourn
Project Number: [none]
Project Manager: Brian Humphrey

Reported:
03/19/21 11:53

MW01@23'
2103151-02 (Soil)

Summit Scientific

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **03/09/21 10:20**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------------|-----------|--|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| Specific Conductance (EC) | 0.614 | 0.0100 | | mmhos/cm | 1 | BEC0324 | 03/18/21 | 03/19/21 | EPA 120.1 | |

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **03/09/21 10:20**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|-------------|-----------|--|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| pH | 8.24 | | | pH Units | 1 | BEC0325 | 03/18/21 | 03/19/21 | EPA 9045D | |

Summit Scientific

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

Project: DCP - Mewbourn

Project Number: [none]

Project Manager: Brian Humphrey

Reported:
03/19/21 11:53

MW03@17'
2103151-03 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/09/21 13:45**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | |
| Benzene | 0.020 | 0.0020 | mg/kg | 1 | BEC0225 | 03/11/21 | 03/12/21 | EPA 8260B | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | 0.40 | 0.050 | " | 10 | " | " | 03/12/21 | " | |
| Xylenes (total) | 2.2 | 0.10 | " | " | " | " | 03/12/21 | " | |
| 1,2,4-Trimethylbenzene | 0.69 | 0.050 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | 0.17 | 0.0050 | " | 1 | " | " | " | " | |
| Naphthalene | 0.22 | 0.0038 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | 68 | 5.0 | " | 10 | " | " | " | " | |

Date Sampled: **03/09/21 13:45**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 76.4 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 78.6 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 329 % | 21-167 | | " | " | " | " | S-02 |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/09/21 13:45**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|------------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | |
| C10-C28 (DRO) | 120 | 50 | mg/kg | 1 | BEC0224 | 03/11/21 | 03/12/21 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | " | " | " | " | " | " | |

Date Sampled: **03/09/21 13:45**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |
| Surrogate: o-Terphenyl | | 92.7 % | 30-150 | | " | " | " | " | |

PAH by EPA Method 8270D SIM

Summit Scientific

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

Project: DCP - Mewbourn
Project Number: [none]
Project Manager: Brian Humphrey

Reported:
03/19/21 11:53

MW03@17'
2103151-03 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **03/09/21 13:45**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------|----------------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| Acenaphthene | ND | 0.00500 | mg/kg | 1 | BEC0239 | 03/11/21 | 03/13/21 | EPA 8270D SIM | |
| 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 | 0.00608 | 0.00500 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.00500 | " | " | " | " | " | " | |
| Fluoranthene | ND | 0.00500 | " | " | " | " | " | " | |
| Fluorene | 0.0269 | 0.00500 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | ND | 0.00500 | " | " | " | " | " | " | |
| Pyrene | ND | 0.00500 | " | " | " | " | " | " | |
| 1-Methylnaphthalene | 0.213 | 0.00500 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | 0.460 | 0.0500 | " | 10 | " | " | " | " | |

Date Sampled: **03/09/21 13:45**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | | 67.1 % | 40-150 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | | 64.8 % | 40-150 | | " | " | " | " | |

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **03/09/21 13:45**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Boron | ND | 0.0100 | mg/L | 1 | BEC0303 | 03/17/21 | 03/19/21 | EPA 6020B | |

Total Metals by EPA 6020B

Date Sampled: **03/09/21 13:45**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|

Summit Scientific

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

Project: DCP - Mewbourn
Project Number: [none]
Project Manager: Brian Humphrey

Reported:
03/19/21 11:53

MW03@17'
2103151-03 (Soil)

Summit Scientific

Total Metals by EPA 6020B

| | | | | | | | | |
|----------|------|-------|-----------|---|---------|----------|----------|-----------|
| Arsenic | 1.97 | 0.231 | mg/kg dry | 1 | BEC0229 | 03/11/21 | 03/11/21 | EPA 6020B |
| Selenium | ND | 0.300 | " | " | " | " | " | " |

Hexavalent Chromium by EPA Method 7196

Date Sampled: **03/09/21 13:45**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------------|-----------|----------|---------|----------|----------|-----------|-------|
| Chromium, Hexavalent | ND | 0.30 | mg/kg dry | 1 | BEC0250 | 03/12/21 | 03/12/21 | EPA 7196A | |

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **03/09/21 13:45**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Calcium | 25.3 | 0.0577 | mg/L dry | 1 | BEC0292 | 03/17/21 | 03/19/21 | EPA 6020B | |
| Magnesium | 9.16 | 0.0577 | " | " | " | " | " | " | |
| Sodium | 26.6 | 0.0577 | " | " | " | " | " | " | |

Calculated Analysis

Date Sampled: **03/09/21 13:45**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 1.15 | 0.100 | units | 1 | BEC0338 | 03/19/21 | 03/19/21 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **03/09/21 13:45**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | 86.6 | | % | 1 | BEC0208 | 03/10/21 | 03/11/21 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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

Project: DCP - Mewbourn

Project Number: [none]

Project Manager: Brian Humphrey

Reported:
03/19/21 11:53

MW03@17'
2103151-03 (Soil)

Summit Scientific

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **03/09/21 13:45**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------------|-----------|--|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| Specific Conductance (EC) | 0.344 | 0.0100 | | mmhos/cm | 1 | BEC0324 | 03/18/21 | 03/19/21 | EPA 120.1 | |

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **03/09/21 13:45**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|-------------|-----------|--|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| pH | 8.29 | | | pH Units | 1 | BEC0325 | 03/18/21 | 03/19/21 | EPA 9045D | |

Summit Scientific

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

Project: DCP - Mewbourn
Project Number: [none]
Project Manager: Brian Humphrey

Reported:
03/19/21 11:53

MW03@23'
2103151-04 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/09/21 14:00**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | |
| Benzene | ND | 0.0020 | mg/kg | 1 | BEC0225 | 03/11/21 | 03/12/21 | 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: **03/09/21 14:00**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 64.1 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 103 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 109 % | 21-167 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/09/21 14:00**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | |
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | BEC0224 | 03/11/21 | 03/12/21 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | " | " | " | " | " | " | |

Date Sampled: **03/09/21 14:00**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |
| Surrogate: o-Terphenyl | | 86.6 % | 30-150 | | " | " | " | " | |

PAH by EPA Method 8270D SIM

Summit Scientific

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

Project: DCP - Mewbourn

Project Number: [none]

Project Manager: Brian Humphrey

Reported:
03/19/21 11:53

MW03@23'
2103151-04 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **03/09/21 14:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------|--------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| Acenaphthene | ND | 0.00500 | mg/kg | 1 | BEC0239 | 03/11/21 | 03/13/21 | EPA 8270D SIM | |
| 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 | " | " | " | " | " | " | |

Date Sampled: **03/09/21 14:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | | 54.6 % | 40-150 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | | 46.9 % | 40-150 | | " | " | " | " | |

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **03/09/21 14:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------|---------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Boron | 0.0397 | 0.0100 | mg/L | 1 | BEC0303 | 03/17/21 | 03/19/21 | EPA 6020B | |

Total Metals by EPA 6020B

Date Sampled: **03/09/21 14:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|

Summit Scientific

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

Project: DCP - Mewbourn
Project Number: [none]
Project Manager: Brian Humphrey

Reported:
03/19/21 11:53

MW03@23'
2103151-04 (Soil)

Summit Scientific

Total Metals by EPA 6020B

| | | | | | | | | |
|----------|------|-------|-----------|---|---------|----------|----------|-----------|
| Arsenic | 4.14 | 0.237 | mg/kg dry | 1 | BEC0229 | 03/11/21 | 03/11/21 | EPA 6020B |
| Selenium | ND | 0.308 | " | " | " | " | " | " |

Hexavalent Chromium by EPA Method 7196

Date Sampled: **03/09/21 14:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------------|-----------|----------|---------|----------|----------|-----------|-------|
| Chromium, Hexavalent | ND | 0.30 | mg/kg dry | 1 | BEC0250 | 03/12/21 | 03/12/21 | EPA 7196A | |

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **03/09/21 14:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Calcium | 26.5 | 0.0593 | mg/L dry | 1 | BEC0292 | 03/17/21 | 03/19/21 | EPA 6020B | |
| Magnesium | 9.26 | 0.0593 | " | " | " | " | " | " | |
| Sodium | 37.7 | 0.0593 | " | " | " | " | " | " | |

Calculated Analysis

Date Sampled: **03/09/21 14:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 1.61 | 0.100 | units | 1 | BEC0338 | 03/19/21 | 03/19/21 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **03/09/21 14:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | 84.3 | | % | 1 | BEC0208 | 03/10/21 | 03/11/21 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Summit Scientific

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

Project: DCP - Mewbourn

Project Number: [none]

Project Manager: Brian Humphrey

Reported:
03/19/21 11:53

MW03@23'
2103151-04 (Soil)

Summit Scientific

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **03/09/21 14:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------------|-----------|--|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| Specific Conductance (EC) | 0.369 | 0.0100 | | mmhos/cm | 1 | BEC0324 | 03/18/21 | 03/19/21 | EPA 120.1 | |

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **03/09/21 14:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|-------------|-----------|--|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| pH | 8.38 | | | pH Units | 1 | BEC0325 | 03/18/21 | 03/19/21 | EPA 9045D | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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

Project: DCP - Mewbourn
Project Number: [none]
Project Manager: Brian Humphrey

Reported:
03/19/21 11:53

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

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

Batch BEC0225 - EPA 5030 Soil MS

Blank (BEC0225-BLK1)

Prepared & Analyzed: 03/11/21

| | | | | | | | | | | |
|----------------------------------|--------|--------|-------|--------|--|------|--------|--|--|--|
| 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 | " | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0311 | | " | 0.0400 | | 77.7 | 23-173 | | | |
| Surrogate: Toluene-d8 | 0.0529 | | " | 0.0400 | | 132 | 20-170 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.0436 | | " | 0.0400 | | 109 | 21-167 | | | |

LCS (BEC0225-BS1)

Prepared & Analyzed: 03/11/21

| | | | | | | | | | | |
|----------------------------------|--------|--------|-------|--------|--|------|--------|--|--|--|
| Benzene | 0.0628 | 0.0020 | mg/kg | 0.0750 | | 83.8 | 70-130 | | | |
| Toluene | 0.0932 | 0.0050 | " | 0.0750 | | 124 | 70-130 | | | |
| Ethylbenzene | 0.0962 | 0.0050 | " | 0.0750 | | 128 | 70-130 | | | |
| m,p-Xylene | 0.187 | 0.010 | " | 0.150 | | 125 | 70-130 | | | |
| o-Xylene | 0.0919 | 0.0050 | " | 0.0750 | | 123 | 70-130 | | | |
| 1,2,4-Trimethylbenzene | 0.0957 | 0.0050 | " | 0.0750 | | 128 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 0.0796 | 0.0050 | " | 0.0750 | | 106 | 70-130 | | | |
| Naphthalene | 0.0918 | 0.0038 | " | 0.0750 | | 122 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0230 | | " | 0.0400 | | 57.4 | 23-173 | | | |
| Surrogate: Toluene-d8 | 0.0443 | | " | 0.0400 | | 111 | 20-170 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.0400 | | " | 0.0400 | | 100 | 21-167 | | | |

Matrix Spike (BEC0225-MS1)

Source: 2103112-01

Prepared & Analyzed: 03/11/21

| | | | | | | | | | | |
|----------------------------------|--------|--------|-------|--------|---------|------|--------|--|--|--|
| Benzene | 0.0657 | 0.0020 | mg/kg | 0.0750 | ND | 87.6 | 70-130 | | | |
| Toluene | 0.0932 | 0.0050 | " | 0.0750 | ND | 124 | 70-130 | | | |
| Ethylbenzene | 0.0940 | 0.0050 | " | 0.0750 | ND | 125 | 70-130 | | | |
| m,p-Xylene | 0.185 | 0.010 | " | 0.150 | ND | 123 | 70-130 | | | |
| o-Xylene | 0.0923 | 0.0050 | " | 0.0750 | ND | 123 | 70-130 | | | |
| 1,2,4-Trimethylbenzene | 0.0946 | 0.0050 | " | 0.0750 | ND | 126 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 0.0886 | 0.0050 | " | 0.0750 | ND | 118 | 70-130 | | | |
| Naphthalene | 0.0761 | 0.0038 | " | 0.0750 | 0.00588 | 93.6 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0268 | | " | 0.0400 | | 67.0 | 23-173 | | | |
| Surrogate: Toluene-d8 | 0.0448 | | " | 0.0400 | | 112 | 20-170 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.0404 | | " | 0.0400 | | 101 | 21-167 | | | |

Summit Scientific

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

Project: DCP - Mewbourn

Project Number: [none]

Project Manager: Brian Humphrey

Reported:
03/19/21 11:53

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

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

Batch BEC0225 - EPA 5030 Soil MS

| Matrix Spike Dup (BEC0225-MSD1) | Source: 2103112-01 | | | Prepared & Analyzed: 03/11/21 | | | | | | |
|----------------------------------|--------------------|--------|-------|-------------------------------|---------|------|--------|-------|----|--|
| Benzene | 0.0701 | 0.0020 | mg/kg | 0.0750 | ND | 93.5 | 70-130 | 6.54 | 30 | |
| Toluene | 0.0900 | 0.0050 | " | 0.0750 | ND | 120 | 70-130 | 3.47 | 30 | |
| Ethylbenzene | 0.0968 | 0.0050 | " | 0.0750 | ND | 129 | 70-130 | 2.89 | 30 | |
| m,p-Xylene | 0.184 | 0.010 | " | 0.150 | ND | 123 | 70-130 | 0.504 | 30 | |
| o-Xylene | 0.0917 | 0.0050 | " | 0.0750 | ND | 122 | 70-130 | 0.652 | 30 | |
| 1,2,4-Trimethylbenzene | 0.0942 | 0.0050 | " | 0.0750 | ND | 126 | 70-130 | 0.381 | 30 | |
| 1,3,5-Trimethylbenzene | 0.0872 | 0.0050 | " | 0.0750 | ND | 116 | 70-130 | 1.60 | 30 | |
| Naphthalene | 0.0752 | 0.0038 | " | 0.0750 | 0.00588 | 92.4 | 70-130 | 1.23 | 30 | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0273 | | " | 0.0400 | | 68.3 | 23-173 | | | |
| Surrogate: Toluene-d8 | 0.0415 | | " | 0.0400 | | 104 | 20-170 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.0391 | | " | 0.0400 | | 97.8 | 21-167 | | | |

Summit Scientific

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

Project: DCP - Mewbourn

Project Number: [none]

Project Manager: Brian Humphrey

Reported:
03/19/21 11:53

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

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

Batch BEC0224 - EPA 3550A

Blank (BEC0224-BLK1)

Prepared: 03/11/21 Analyzed: 03/12/21

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

LCS (BEC0224-BS1)

Prepared: 03/11/21 Analyzed: 03/12/21

| | | | | | | |
|---------------|-----|----|-------|-----|------|--------|
| C10-C28 (DRO) | 467 | 50 | mg/kg | 500 | 93.4 | 70-130 |
|---------------|-----|----|-------|-----|------|--------|

Matrix Spike (BEC0224-MS1)

Source: 2103123-01

Prepared: 03/11/21 Analyzed: 03/12/21

| | | | | | | | |
|---------------|-----|----|-------|-----|------|------|--------|
| C10-C28 (DRO) | 445 | 50 | mg/kg | 500 | 15.4 | 86.0 | 70-130 |
|---------------|-----|----|-------|-----|------|------|--------|

Matrix Spike Dup (BEC0224-MSD1)

Source: 2103123-01

Prepared: 03/11/21 Analyzed: 03/12/21

| | | | | | | | | | |
|---------------|-----|----|-------|-----|------|------|--------|------|----|
| C10-C28 (DRO) | 398 | 50 | mg/kg | 500 | 15.4 | 76.5 | 70-130 | 11.3 | 20 |
|---------------|-----|----|-------|-----|------|------|--------|------|----|

Summit Scientific

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

Project: DCP - Mewbourn
Project Number: [none]
Project Manager: Brian Humphrey

Reported:
03/19/21 11:53

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

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

Batch BEC0239 - EPA 5030 Soil MS

Blank (BEC0239-BLK1)

Prepared: 03/11/21 Analyzed: 03/13/21

| | | | | | | | | | | |
|------------------------------------|--------|---------|-------|--------|--|------|--------|--|--|--|
| 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 | 0.0264 | | " | 0.0333 | | 79.1 | 40-150 | | | |
| Surrogate: Fluoranthene-d10 | 0.0216 | | " | 0.0333 | | 64.7 | 40-150 | | | |

LCS (BEC0239-BS1)

Prepared: 03/11/21 Analyzed: 03/13/21

| | | | | | | |
|------------------------------------|--------|---------|-------|--------|------|--------|
| Acenaphthene | 0.0374 | 0.00500 | mg/kg | 0.0333 | 112 | 31-137 |
| Anthracene | 0.0369 | 0.00500 | " | 0.0333 | 111 | 30-120 |
| Benzo (a) anthracene | 0.0336 | 0.00500 | " | 0.0333 | 101 | 30-120 |
| Benzo (a) pyrene | 0.0290 | 0.00500 | " | 0.0333 | 86.9 | 30-120 |
| Benzo (b) fluoranthene | 0.0260 | 0.00500 | " | 0.0333 | 78.1 | 30-120 |
| Benzo (k) fluoranthene | 0.0292 | 0.00500 | " | 0.0333 | 87.6 | 30-120 |
| Chrysene | 0.0361 | 0.00500 | " | 0.0333 | 108 | 30-120 |
| Dibenz (a,h) anthracene | 0.0353 | 0.00500 | " | 0.0333 | 106 | 30-120 |
| Fluoranthene | 0.0338 | 0.00500 | " | 0.0333 | 101 | 30-120 |
| Fluorene | 0.0343 | 0.00500 | " | 0.0333 | 103 | 30-120 |
| Indeno (1,2,3-cd) pyrene | 0.0363 | 0.00500 | " | 0.0333 | 109 | 30-120 |
| Pyrene | 0.0321 | 0.00500 | " | 0.0333 | 96.3 | 35-142 |
| 1-Methylnaphthalene | 0.0340 | 0.00500 | " | 0.0333 | 102 | 35-142 |
| 2-Methylnaphthalene | 0.0331 | 0.00500 | " | 0.0333 | 99.3 | 35-142 |
| Surrogate: 2-Methylnaphthalene-d10 | 0.0218 | | " | 0.0333 | 65.3 | 40-150 |
| Surrogate: Fluoranthene-d10 | 0.0216 | | " | 0.0333 | 64.9 | 40-150 |

Summit Scientific

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

Project: DCP - Mewbourn

Project Number: [none]

Project Manager: Brian Humphrey

Reported:
03/19/21 11:53

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

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

Batch BEC0239 - EPA 5030 Soil MS

Matrix Spike (BEC0239-MS1)

Source: 2103166-01

Prepared: 03/11/21 Analyzed: 03/13/21

| | | | | | | | | | |
|------------------------------------|--------|---------|-------|--------|----|------|--------|--|--|
| Acenaphthene | 0.0342 | 0.00500 | mg/kg | 0.0333 | ND | 102 | 31-137 | | |
| Anthracene | 0.0355 | 0.00500 | " | 0.0333 | ND | 107 | 30-120 | | |
| Benzo (a) anthracene | 0.0313 | 0.00500 | " | 0.0333 | ND | 94.0 | 30-120 | | |
| Benzo (a) pyrene | 0.0318 | 0.00500 | " | 0.0333 | ND | 95.5 | 30-120 | | |
| Benzo (b) fluoranthene | 0.0278 | 0.00500 | " | 0.0333 | ND | 83.5 | 30-120 | | |
| Benzo (k) fluoranthene | 0.0252 | 0.00500 | " | 0.0333 | ND | 75.6 | 30-120 | | |
| Chrysene | 0.0333 | 0.00500 | " | 0.0333 | ND | 99.9 | 30-120 | | |
| Dibenz (a,h) anthracene | 0.0319 | 0.00500 | " | 0.0333 | ND | 95.6 | 30-120 | | |
| Fluoranthene | 0.0316 | 0.00500 | " | 0.0333 | ND | 94.8 | 30-120 | | |
| Fluorene | 0.0323 | 0.00500 | " | 0.0333 | ND | 97.0 | 30-120 | | |
| Indeno (1,2,3-cd) pyrene | 0.0330 | 0.00500 | " | 0.0333 | ND | 98.9 | 30-120 | | |
| Pyrene | 0.0285 | 0.00500 | " | 0.0333 | ND | 85.6 | 35-142 | | |
| 1-Methylnaphthalene | 0.0329 | 0.00500 | " | 0.0333 | ND | 98.8 | 15-130 | | |
| 2-Methylnaphthalene | 0.0315 | 0.00500 | " | 0.0333 | ND | 94.6 | 15-130 | | |
| Surrogate: 2-Methylnaphthalene-d10 | 0.0204 | | " | 0.0333 | | 61.2 | 40-150 | | |
| Surrogate: Fluoranthene-d10 | 0.0194 | | " | 0.0333 | | 58.2 | 40-150 | | |

Matrix Spike Dup (BEC0239-MSD1)

Source: 2103166-01

Prepared: 03/11/21 Analyzed: 03/13/21

| | | | | | | | | | |
|------------------------------------|--------|---------|-------|--------|----|------|--------|------|----|
| Acenaphthene | 0.0393 | 0.00500 | mg/kg | 0.0333 | ND | 118 | 31-137 | 14.0 | 30 |
| Anthracene | 0.0398 | 0.00500 | " | 0.0333 | ND | 120 | 30-120 | 11.5 | 30 |
| Benzo (a) anthracene | 0.0357 | 0.00500 | " | 0.0333 | ND | 107 | 30-120 | 13.0 | 30 |
| Benzo (a) pyrene | 0.0271 | 0.00500 | " | 0.0333 | ND | 81.2 | 30-120 | 16.2 | 30 |
| Benzo (b) fluoranthene | 0.0263 | 0.00500 | " | 0.0333 | ND | 79.0 | 30-120 | 5.55 | 30 |
| Benzo (k) fluoranthene | 0.0267 | 0.00500 | " | 0.0333 | ND | 80.2 | 30-120 | 5.93 | 30 |
| Chrysene | 0.0374 | 0.00500 | " | 0.0333 | ND | 112 | 30-120 | 11.6 | 30 |
| Dibenz (a,h) anthracene | 0.0365 | 0.00500 | " | 0.0333 | ND | 110 | 30-120 | 13.7 | 30 |
| Fluoranthene | 0.0368 | 0.00500 | " | 0.0333 | ND | 111 | 30-120 | 15.3 | 30 |
| Fluorene | 0.0357 | 0.00500 | " | 0.0333 | ND | 107 | 30-120 | 9.94 | 30 |
| Indeno (1,2,3-cd) pyrene | 0.0381 | 0.00500 | " | 0.0333 | ND | 114 | 30-120 | 14.5 | 30 |
| Pyrene | 0.0331 | 0.00500 | " | 0.0333 | ND | 99.4 | 35-142 | 15.0 | 30 |
| 1-Methylnaphthalene | 0.0341 | 0.00500 | " | 0.0333 | ND | 102 | 15-130 | 3.40 | 50 |
| 2-Methylnaphthalene | 0.0335 | 0.00500 | " | 0.0333 | ND | 100 | 15-130 | 6.06 | 50 |
| Surrogate: 2-Methylnaphthalene-d10 | 0.0220 | | " | 0.0333 | | 65.9 | 40-150 | | |
| Surrogate: Fluoranthene-d10 | 0.0232 | | " | 0.0333 | | 69.5 | 40-150 | | |

Summit Scientific

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

Project: DCP - Mewbourn
Project Number: [none]
Project Manager: Brian Humphrey

Reported:
03/19/21 11:53

Total Metals by EPA 6020B Hot Water Soluble Extraction - Quality Control
Summit Scientific

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

Batch BEC0303 - EPA 3050B

Blank (BEC0303-BLK1)

Prepared: 03/17/21 Analyzed: 03/19/21

Boron ND 0.0100 mg/L

LCS (BEC0303-BS1)

Prepared: 03/17/21 Analyzed: 03/19/21

Boron 4.49 0.0100 mg/L 5.00 89.8 80-120

Duplicate (BEC0303-DUP1)

Source: 2103125-01

Prepared: 03/17/21 Analyzed: 03/19/21

Boron 0.156 0.0100 mg/L 0.158 0.967 20

Matrix Spike (BEC0303-MS1)

Source: 2103125-01

Prepared: 03/17/21 Analyzed: 03/19/21

Boron 4.07 0.0100 mg/L 5.00 0.158 78.3 75-125

Matrix Spike Dup (BEC0303-MSD1)

Source: 2103125-01

Prepared: 03/17/21 Analyzed: 03/19/21

Boron 3.75 0.0100 mg/L 5.00 0.158 71.9 75-125 8.09 25

Summit Scientific

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

Project: DCP - Mewbourn
Project Number: [none]
Project Manager: Brian Humphrey

Reported:
03/19/21 11:53

Total Metals by EPA 6020B - Quality Control
Summit Scientific

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

Batch BEC0229 - EPA 3050B

Blank (BEC0229-BLK1)

Prepared & Analyzed: 03/11/21

| | | | |
|----------|----|--------|-----------|
| Arsenic | ND | 0.200 | mg/kg wet |
| Barium | ND | 0.400 | " |
| Cadmium | ND | 0.200 | " |
| Copper | ND | 0.400 | " |
| Lead | ND | 0.200 | " |
| Nickel | ND | 0.400 | " |
| Selenium | ND | 0.260 | " |
| Silver | ND | 0.0200 | " |
| Zinc | ND | 0.400 | " |

LCS (BEC0229-BS1)

Prepared & Analyzed: 03/11/21

| | | | | | | |
|----------|------|--------|-----------|------|------|--------|
| Arsenic | 37.2 | 0.200 | mg/kg wet | 40.0 | 93.0 | 80-120 |
| Barium | 34.8 | 0.400 | " | 40.0 | 87.0 | 80-120 |
| Cadmium | 1.78 | 0.200 | " | 2.00 | 89.2 | 80-120 |
| Copper | 36.2 | 0.400 | " | 40.0 | 90.6 | 80-120 |
| Lead | 17.6 | 0.200 | " | 20.0 | 87.8 | 80-120 |
| Nickel | 36.0 | 0.400 | " | 40.0 | 90.1 | 80-120 |
| Selenium | 3.98 | 0.260 | " | 4.00 | 99.5 | 80-120 |
| Silver | 2.14 | 0.0200 | " | 2.00 | 107 | 80-120 |
| Zinc | 37.4 | 0.400 | " | 40.0 | 93.4 | 80-120 |

Duplicate (BEC0229-DUP1)

Source: 2102366-03

Prepared & Analyzed: 03/11/21

| | | | | | | |
|----------|--------|--------|-----------|--------|--------|----|
| Arsenic | 4.09 | 0.220 | mg/kg dry | 3.87 | 5.37 | 30 |
| Barium | 1810 | 0.439 | " | 1810 | 0.0306 | 30 |
| Cadmium | 0.168 | 0.220 | " | 0.154 | 8.55 | 30 |
| Copper | 15.6 | 0.439 | " | 12.9 | 19.2 | 30 |
| Lead | 8.33 | 0.220 | " | 7.52 | 10.3 | 30 |
| Nickel | 14.8 | 0.439 | " | 13.0 | 12.6 | 30 |
| Selenium | ND | 0.286 | " | ND | | 30 |
| Silver | 0.0498 | 0.0220 | " | 0.0420 | 17.0 | 30 |
| Zinc | 40.2 | 0.439 | " | 36.3 | 10.1 | 30 |

Summit Scientific

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

Project: DCP - Mewbourn
Project Number: [none]
Project Manager: Brian Humphrey

Reported:
03/19/21 11:53

Total Metals by EPA 6020B - Quality Control
Summit Scientific

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

Batch BEC0229 - EPA 3050B

Matrix Spike (BEC0229-MS1)

Source: 2102366-03

Prepared & Analyzed: 03/11/21

| | | | | | | | |
|----------|------|--------|-----------|------|--------|------|--------|
| Arsenic | 44.6 | 0.220 | mg/kg dry | 43.9 | 3.87 | 92.7 | 75-125 |
| Barium | 1860 | 0.439 | " | 43.9 | 1810 | 111 | 75-125 |
| Cadmium | 2.22 | 0.220 | " | 2.20 | 0.154 | 93.9 | 75-125 |
| Copper | 53.4 | 0.439 | " | 43.9 | 12.9 | 92.1 | 75-125 |
| Lead | 27.7 | 0.220 | " | 22.0 | 7.52 | 92.0 | 75-125 |
| Nickel | 54.0 | 0.439 | " | 43.9 | 13.0 | 93.3 | 75-125 |
| Selenium | 4.02 | 0.286 | " | 4.39 | ND | 91.5 | 75-125 |
| Silver | 1.96 | 0.0220 | " | 2.20 | 0.0420 | 87.5 | 75-125 |
| Zinc | 82.8 | 0.439 | " | 43.9 | 36.3 | 106 | 75-125 |

Matrix Spike Dup (BEC0229-MSD1)

Source: 2102366-03

Prepared & Analyzed: 03/11/21

| | | | | | | | | | |
|----------|------|--------|-----------|------|--------|------|--------|--------|----|
| Arsenic | 48.3 | 0.220 | mg/kg dry | 43.9 | 3.87 | 101 | 75-125 | 7.83 | 25 |
| Barium | 1860 | 0.439 | " | 43.9 | 1810 | 113 | 75-125 | 0.0462 | 25 |
| Cadmium | 2.38 | 0.220 | " | 2.20 | 0.154 | 101 | 75-125 | 7.05 | 25 |
| Copper | 56.5 | 0.439 | " | 43.9 | 12.9 | 99.2 | 75-125 | 5.71 | 25 |
| Lead | 28.3 | 0.220 | " | 22.0 | 7.52 | 94.4 | 75-125 | 1.87 | 25 |
| Nickel | 58.1 | 0.439 | " | 43.9 | 13.0 | 103 | 75-125 | 7.29 | 25 |
| Selenium | 4.31 | 0.286 | " | 4.39 | ND | 98.0 | 75-125 | 6.87 | 25 |
| Silver | 2.17 | 0.0220 | " | 2.20 | 0.0420 | 96.7 | 75-125 | 9.77 | 25 |
| Zinc | 90.4 | 0.439 | " | 43.9 | 36.3 | 123 | 75-125 | 8.80 | 25 |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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

Project: DCP - Mewbourn
Project Number: [none]
Project Manager: Brian Humphrey

Reported:
03/19/21 11:53

Hexavalent Chromium by EPA Method 7196 - Quality Control
Summit Scientific

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

Batch BEC0250 - 3060A Mod

Blank (BEC0250-BLK1)

Prepared & Analyzed: 03/12/21

Chromium, Hexavalent ND 0.30 mg/kg wet

LCS (BEC0250-BS1)

Prepared & Analyzed: 03/12/21

Chromium, Hexavalent 22.2 0.30 mg/kg wet 25.0 89.0 80-120

Duplicate (BEC0250-DUP1)

Source: 2103121-01

Prepared & Analyzed: 03/12/21

Chromium, Hexavalent ND 0.30 mg/kg dry ND 20

Matrix Spike (BEC0250-MS1)

Source: 2103121-01

Prepared & Analyzed: 03/12/21

Chromium, Hexavalent 24.5 0.30 mg/kg dry 28.1 ND 87.0 75-125

Matrix Spike Dup (BEC0250-MSD1)

Source: 2103121-01

Prepared & Analyzed: 03/12/21

Chromium, Hexavalent 24.5 0.30 mg/kg dry 28.1 ND 87.0 75-125 0.00 20

Summit Scientific

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

Project: DCP - Mewbourn

Project Number: [none]

Project Manager: Brian Humphrey

Reported:
03/19/21 11:53

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction - Quality Control

Summit Scientific

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

Batch BEC0292 - General Preparation

Blank (BEC0292-BLK1)

Prepared: 03/17/21 Analyzed: 03/19/21

| | | | |
|-----------|----|--------|----------|
| Calcium | ND | 0.0500 | mg/L wet |
| Magnesium | ND | 0.0500 | " |
| Sodium | ND | 0.0500 | " |

LCS (BEC0292-BS1)

Prepared: 03/17/21 Analyzed: 03/19/21

| | | | | | | |
|-----------|------|--------|----------|------|------|--------|
| Calcium | 4.34 | 0.0500 | mg/L wet | 5.00 | 86.8 | 70-130 |
| Magnesium | 4.43 | 0.0500 | " | 5.00 | 88.7 | 70-130 |
| Sodium | 4.31 | 0.0500 | " | 5.00 | 86.2 | 70-130 |

Summit Scientific

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

Project: DCP - Mewbourn

Project Number: [none]

Project Manager: Brian Humphrey

Reported:
03/19/21 11:53

Physical Parameters by APHA/ASTM/EPA Methods - Quality Control

Summit Scientific

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

Batch BEC0208 - General Preparation

Duplicate (BEC0208-DUP1)

Source: 2103151-04

Prepared: 03/10/21 Analyzed: 03/11/21

| | | | | | |
|----------|------|---|------|-------|----|
| % Solids | 84.5 | % | 84.3 | 0.241 | 20 |
|----------|------|---|------|-------|----|

Summit Scientific

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

Project: DCP - Mewbourn

Project Number: [none]

Project Manager: Brian Humphrey

Reported:
03/19/21 11:53

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction - Quality Control

Summit Scientific

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

Batch BEC0324 - General Preparation

Blank (BEC0324-BLK1)

Prepared: 03/18/21 Analyzed: 03/19/21

Specific Conductance (EC) ND 0.0100 mmhos/cm

LCS (BEC0324-BS1)

Prepared: 03/18/21 Analyzed: 03/19/21

Specific Conductance (EC) 0.152 0.0100 mmhos/cm 0.150 101 90-110

Duplicate (BEC0324-DUP1)

Source: 2102356-03

Prepared: 03/18/21 Analyzed: 03/19/21

Specific Conductance (EC) 0.697 0.0100 mmhos/cm 0.697 0.0431 20

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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

Project: DCP - Mewbourn

Project Number: [none]

Project Manager: Brian Humphrey

Reported:
03/19/21 11:53

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction - Quality Control

Summit Scientific

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

Batch BEC0325 - General Preparation

LCS (BEC0325-BS1)

Prepared: 03/18/21 Analyzed: 03/19/21

| | | | | | |
|----|------|----------|------|------|--------|
| pH | 9.18 | pH Units | 9.21 | 99.7 | 95-105 |
|----|------|----------|------|------|--------|

Duplicate (BEC0325-DUP1)

Source: 2102356-03

Prepared: 03/18/21 Analyzed: 03/19/21

| | | | | | |
|----|------|----------|------|-------|----|
| pH | 8.05 | pH Units | 8.06 | 0.124 | 20 |
|----|------|----------|------|-------|----|

Summit Scientific

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

Project: DCP - Mewbourn

Project Number: [none]
Project Manager: Brian Humphrey

Reported:
03/19/21 11:53

Notes and Definitions

| | |
|------|--|
| S-02 | The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract. |
| R-01 | The Reporting Limit for this analyte has been raised to account for matrix interference. |
| 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 |

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

March 23, 2021

Brian Humphrey
Tasman Geosciences
6855 W. 119th Ave.
Broomfield, CO 80020
RE: DCP - Mewbourn
Work Order #2103180

Enclosed are the results of analyses for samples received by Summit Scientific on 03/10/21 15:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read 'P. Shrewsbury', with a stylized, cursive script.

Paul Shrewsbury
President



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

Project: DCP - Mewbourn

Project Number: [none]
Project Manager: Brian Humphrey

Reported:
03/23/21 10:42

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------|---------------|--------|----------------|----------------|
| MW02@12' | 2103180-01 | Soil | 03/10/21 09:40 | 03/10/21 15:30 |
| MW02@23' | 2103180-02 | Soil | 03/10/21 10:00 | 03/10/21 15:30 |
| MW04@17' | 2103180-03 | Soil | 03/10/21 12:50 | 03/10/21 15:30 |
| MW04@23' | 2103180-04 | Soil | 03/10/21 13:00 | 03/10/21 15:30 |
| MW05@13' | 2103180-05 | Soil | 03/10/21 14:54 | 03/10/21 15:30 |
| MW05@23' | 2103180-06 | Soil | 03/10/21 15:05 | 03/10/21 15:30 |

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.

2/03/80

Summit Scientific

S₂

4653 Table Mountain Drive ♦ Golden, Colorado 80403

303-277-9310

Page 1 of 1

Client: DCP / Tasman

Project Manager: B. Humphrey & S. Weathers / C. Cole

Address: —

E-Mail: B.Humphrey@tasman-gep.com, C.Cole@dcpmidstream.com, S.Weathers@dcpmidstream.com

City/State/Zip: —

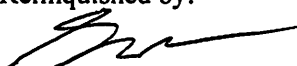

Phone: 303-487-1228

Project Name: Newbourn

Sampler Name: GB

Project Number:

| ID | Sample Description | Date Sampled | Time Sampled | # of containers | Preservative | | | | Matrix | | | | Analysis Requested | | | | | | | | | | Special Instructions |
|----|--------------------|--------------|--------------|-----------------|--------------|------------------|------|-------|--------|------|----------------|-------|-------------------------|-------------------|---------------------|---------------------------------|------------------------|--|--|--|--|--|----------------------|
| | | | | | HCl | HNO ₃ | None | Other | Water | Soil | Air-Canister # | Other | Table 915 VOCs & GAO | Table 915 PAHs | Table 915 Metals | Table 915 SAR, pH, EC, Boron | Table 915 ORO & ARO | | | | | | |
| 1 | MW02 @ 12' | 3/10/21 | 0940 | 3 | | | X | | | X | | | X | X | X | X | X | | | | | | |
| 2 | MW02 @ 23' | 3/10/21 | 1000 | 3 | | | X | | | X | | | X | X | X | X | X | | | | | | |
| 3 | MW04 @ 17' | 3/10/21 | 1250 | 3 | | | X | | | X | | | X | X | X | X | X | | | | | | |
| 4 | MW04 @ 23' | 3/10/21 | 1300 | 3 | | | X | | | X | | | X | X | X | X | X | | | | | | |
| 5 | MW05 @ 13' | 3/10/21 | 1454 | 3 | | | X | | | X | | | X | X | X | X | X | | | | | | |
| 6 | MW05 @ 23' | 3/10/21 | 1505 | 3 | | | X | | | X | | | X | X | X | X | X | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | |
|---|-------------------------|--|--------------------------|---|--------|
| Relinquished by:  | Date/Time: 3/10/21 1530 | Received by:  | Date/Time: 3-10-21 15:30 | Turn Around Time (Check) | Notes: |
| Relinquished by: | Date/Time: | Received by: | Date/Time: | Same Day — 72 hours <input checked="" type="checkbox"/> | |
| | | | | 24 hours — Standard — | |
| | | | | 48 hours — | |
| Relinquished by: | Date/Time: | Received by: | Date/Time: | Sample Integrity: | |
| | | | | Temperature Upon Receipt: 4.1 | |
| | | | | Samples Intact: <input checked="" type="radio"/> Yes <input type="radio"/> No | |

Sample Receipt Checklist

S2 Work Order 2103180

Client: DCP/TASMAN Client Project ID: MEWBURN

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

Matrix (check all that apply): _____ Air ☒ Soil/Solid _____ Water _____ Other: _____
(Describe)

| | |
|-----------|------------|
| Temp (°C) | <u>4.1</u> |
|-----------|------------|

Thermometer ID: 61857155-K

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

Additional Comments (if any):

72 TAT

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

Custodian Printed Name or Initials

Signature of Custodian

Date/Time



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

Project: DCP - Mewbourn

Project Number: [none]

Project Manager: Brian Humphrey

Reported:

03/23/21 10:42

MW02@12'
2103180-01 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/10/21 09:40**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------------|-----------|--|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| Benzene | 0.17 | 0.0020 | | mg/kg | 1 | BEC0243 | 03/11/21 | 03/13/21 | EPA 8260B | |
| Toluene | ND | 0.0050 | | " | " | " | " | 03/13/21 | " | |
| Ethylbenzene | 0.045 | 0.0050 | | " | " | " | " | 03/13/21 | " | |
| Xylenes (total) | ND | 0.010 | | " | " | " | " | 03/13/21 | " | |
| 1,2,4-Trimethylbenzene | 0.086 | 0.0050 | | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 0.0050 | | " | " | " | " | " | " | |
| Naphthalene | 0.40 | 0.0038 | | " | " | " | " | 03/13/21 | " | |
| Gasoline Range Hydrocarbons | 60 | 5.0 | | " | 10 | " | " | 03/13/21 | " | |

Date Sampled: **03/10/21 09:40**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 147 % | | 23-173 | | " | " | 03/13/21 | " | |
| Surrogate: Toluene-d8 | | 110 % | | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 974 % | | 21-167 | | " | " | " | " | S-02 |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/10/21 09:40**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|------------|-----------|--|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| C10-C28 (DRO) | 590 | 50 | | mg/kg | 1 | BEC0258 | 03/12/21 | 03/13/21 | EPA 8015M | |
| C28-C36 (ORO) | 72 | 50 | | " | " | " | " | " | " | |

Date Sampled: **03/10/21 09:40**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|--|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | | |
| Surrogate: o-Terphenyl | | 105 % | | 30-150 | | " | " | " | " | |

PAH by EPA Method 8270D SIM

Summit Scientific

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

Project: DCP - Mewbourn
Project Number: [none]
Project Manager: Brian Humphrey

Reported:
03/23/21 10:42

MW02@12'
2103180-01 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **03/10/21 09:40**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------|---------------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| Acenaphthene | ND | 0.00500 | mg/kg | 1 | BEC0269 | 03/13/21 | 03/14/21 | EPA 8270D SIM | |
| Anthracene | 0.205 | 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 | 0.0245 | 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 | 0.0118 | 0.00500 | " | " | " | " | " | " | |
| 1-Methylnaphthalene | 0.895 | 0.0500 | " | 10 | " | " | " | " | |
| 2-Methylnaphthalene | 1.37 | 0.00500 | " | 1 | " | " | " | " | |

Date Sampled: **03/10/21 09:40**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | | 53.5 % | 40-150 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | | 70.7 % | 40-150 | | " | " | " | " | |

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **03/10/21 09:40**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------|---------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Boron | 0.0199 | 0.0100 | mg/L | 1 | BEC0278 | 03/16/21 | 03/18/21 | EPA 6020B | |

Total Metals by EPA 6020B

Date Sampled: **03/10/21 09:40**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|

Summit Scientific

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

Project: DCP - Mewbourn

Project Number: [none]

Project Manager: Brian Humphrey

Reported:
03/23/21 10:42

MW02@12'
2103180-01 (Soil)

Summit Scientific

Total Metals by EPA 6020B

| | | | | | | | | |
|----------|-------|--------|-----------|---|---------|----------|----------|-----------|
| Arsenic | 1.90 | 0.225 | mg/kg dry | 1 | BEC0322 | 03/18/21 | 03/20/21 | EPA 6020B |
| Barium | 81.4 | 0.450 | " | " | " | " | " | " |
| Cadmium | ND | 0.225 | " | " | " | " | " | " |
| Copper | 6.15 | 0.450 | " | " | " | " | " | " |
| Lead | 5.70 | 0.225 | " | " | " | " | " | " |
| Nickel | 6.16 | 0.450 | " | " | " | " | " | " |
| Selenium | 0.599 | 0.292 | " | " | " | " | " | " |
| Silver | ND | 0.0225 | " | " | " | " | " | " |
| Zinc | 24.3 | 0.450 | " | " | " | " | " | " |

Hexavalent Chromium by EPA Method 7196

Date Sampled: **03/10/21 09:40**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------------|-----------|----------|---------|----------|----------|-----------|-------|
| Chromium, Hexavalent | ND | 0.30 | mg/kg dry | 1 | BEC0340 | 03/19/21 | 03/22/21 | EPA 7196A | |

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **03/10/21 09:40**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Calcium | 54.7 | 0.0562 | mg/L dry | 1 | BEC0294 | 03/17/21 | 03/20/21 | EPA 6020B | |
| Magnesium | 22.1 | 0.0562 | " | " | " | " | " | " | |
| Sodium | 69.8 | 0.0562 | " | " | " | " | " | " | |

Calculated Analysis

Date Sampled: **03/10/21 09:40**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 2.01 | 0.100 | units | 1 | BEC0358 | 03/22/21 | 03/22/21 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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

Project: DCP - Mewbourn
Project Number: [none]
Project Manager: Brian Humphrey

Reported:
03/23/21 10:42

MW02@12'
2103180-01 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **03/10/21 09:40**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | 88.9 | | % | 1 | BEC0221 | 03/11/21 | 03/11/21 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **03/10/21 09:40**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.610 | 0.0100 | mmhos/cm | 1 | BEC0352 | 03/19/21 | 03/19/21 | EPA 120.1 | |

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **03/10/21 09:40**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH | 8.44 | | pH Units | 1 | BEC0353 | 03/19/21 | 03/19/21 | EPA 9045D | |

Summit Scientific

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

Project: DCP - Mewbourn
Project Number: [none]
Project Manager: Brian Humphrey

Reported:
03/23/21 10:42

MW02@23'
2103180-02 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/10/21 10:00**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | |
| Benzene | ND | 0.0020 | mg/kg | 1 | BEC0243 | 03/11/21 | 03/13/21 | 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: **03/10/21 10:00**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 86.7 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 108 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 109 % | 21-167 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/10/21 10:00**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | |
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | BEC0258 | 03/12/21 | 03/13/21 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | " | " | " | " | " | " | |

Date Sampled: **03/10/21 10:00**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |
| Surrogate: o-Terphenyl | | 102 % | 30-150 | | " | " | " | " | |

PAH by EPA Method 8270D SIM

Summit Scientific

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

Project: DCP - Mewbourn
Project Number: [none]
Project Manager: Brian Humphrey

Reported:
03/23/21 10:42

MW02@23'
2103180-02 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **03/10/21 10:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------|--------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| Acenaphthene | ND | 0.00500 | mg/kg | 1 | BEC0269 | 03/13/21 | 03/14/21 | EPA 8270D SIM | |
| 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 | " | " | " | " | " | " | |

Date Sampled: **03/10/21 10:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | | 51.6 % | 40-150 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | | 47.3 % | 40-150 | | " | " | " | " | |

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **03/10/21 10:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------|---------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Boron | 0.0122 | 0.0100 | mg/L | 1 | BEC0278 | 03/16/21 | 03/18/21 | EPA 6020B | |

Total Metals by EPA 6020B

Date Sampled: **03/10/21 10:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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

Project: DCP - Mewbourn

Project Number: [none]

Project Manager: Brian Humphrey

Reported:
03/23/21 10:42

MW02@23'
2103180-02 (Soil)

Summit Scientific

Total Metals by EPA 6020B

| | | | | | | | | |
|----------|-------|--------|-----------|---|---------|----------|----------|-----------|
| Arsenic | 1.78 | 0.237 | mg/kg dry | 1 | BEC0322 | 03/18/21 | 03/20/21 | EPA 6020B |
| Barium | 40.6 | 0.473 | " | " | " | " | " | " |
| Cadmium | ND | 0.237 | " | " | " | " | " | " |
| Copper | 4.60 | 0.473 | " | " | " | " | " | " |
| Lead | 4.69 | 0.237 | " | " | " | " | " | " |
| Nickel | 4.39 | 0.473 | " | " | " | " | " | " |
| Selenium | 0.409 | 0.308 | " | " | " | " | " | " |
| Silver | ND | 0.0237 | " | " | " | " | " | " |
| Zinc | 25.4 | 0.473 | " | " | " | " | " | " |

Hexavalent Chromium by EPA Method 7196

Date Sampled: **03/10/21 10:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------------|-----------|----------|---------|----------|----------|-----------|-------|
| Chromium, Hexavalent | ND | 0.30 | mg/kg dry | 1 | BEC0340 | 03/19/21 | 03/22/21 | EPA 7196A | |

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **03/10/21 10:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Calcium | 56.3 | 0.0591 | mg/L dry | 1 | BEC0294 | 03/17/21 | 03/20/21 | EPA 6020B | |
| Magnesium | 12.9 | 0.0591 | " | " | " | " | " | " | |
| Sodium | 53.4 | 0.0591 | " | " | " | " | " | " | |

Calculated Analysis

Date Sampled: **03/10/21 10:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 1.67 | 0.100 | units | 1 | BEC0358 | 03/22/21 | 03/22/21 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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

Project: DCP - Mewbourn
Project Number: [none]
Project Manager: Brian Humphrey

Reported:
03/23/21 10:42

MW02@23'
2103180-02 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **03/10/21 10:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|--------------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | 84.5 | | % | 1 | BEC0221 | 03/11/21 | 03/11/21 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **03/10/21 10:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|--------------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.505 | 0.0100 | mmhos/cm | 1 | BEC0352 | 03/19/21 | 03/19/21 | EPA 120.1 | |

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **03/10/21 10:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|--------------------|----------|----------|---------|----------|----------|-----------|-------|
| pH | 8.36 | | pH Units | 1 | BEC0353 | 03/19/21 | 03/19/21 | EPA 9045D | |

Summit Scientific

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

Project: DCP - Mewbourn

Project Number: [none]

Project Manager: Brian Humphrey

Reported:
03/23/21 10:42

MW04@17'
2103180-03 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/10/21 12:50**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|---------------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | |
| Benzene | 0.0072 | 0.0020 | mg/kg | 1 | BEC0243 | 03/11/21 | 03/13/21 | EPA 8260B | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | 0.027 | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | 0.13 | 0.010 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | 7.0 | 0.50 | " | 100 | " | " | " | " | |
| 1,3,5-Trimethylbenzene | 5.5 | 0.50 | " | " | " | " | " | " | |
| Naphthalene | 0.022 | 0.0038 | " | 1 | " | " | " | " | |
| Gasoline Range Hydrocarbons | 9.5 | 0.50 | " | " | " | " | " | " | |

Date Sampled: **03/10/21 12:50**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 152 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 111 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 228 % | 21-167 | | " | " | " | " | S-02 |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/10/21 12:50**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | |
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | BEC0258 | 03/12/21 | 03/13/21 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | " | " | " | " | " | " | |

Date Sampled: **03/10/21 12:50**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |
| Surrogate: o-Terphenyl | | 92.7 % | 30-150 | | " | " | " | " | |

PAH by EPA Method 8270D SIM

Summit Scientific

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

Project: DCP - Mewbourn

Project Number: [none]

Project Manager: Brian Humphrey

Reported:

03/23/21 10:42

MW04@17'
2103180-03 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **03/10/21 12:50**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------|----------------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| Acenaphthene | ND | 0.00500 | mg/kg | 1 | BEC0269 | 03/13/21 | 03/14/21 | EPA 8270D SIM | |
| Anthracene | 0.0193 | 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 | 0.00686 | 0.00500 | " | " | " | " | " | " | |
| Fluorene | 0.00853 | 0.00500 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | ND | 0.00500 | " | " | " | " | " | " | |
| Pyrene | ND | 0.00500 | " | " | " | " | " | " | |
| 1-Methylnaphthalene | 0.0479 | 0.00500 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | 0.101 | 0.00500 | " | " | " | " | " | " | |

Date Sampled: **03/10/21 12:50**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | | 51.3 % | 40-150 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | | 58.5 % | 40-150 | | " | " | " | " | |

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **03/10/21 12:50**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Boron | ND | 0.0100 | mg/L | 1 | BEC0278 | 03/16/21 | 03/18/21 | EPA 6020B | |

Total Metals by EPA 6020B

Date Sampled: **03/10/21 12:50**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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

Project: DCP - Mewbourn

Project Number: [none]

Project Manager: Brian Humphrey

Reported:
03/23/21 10:42

MW04@17'
2103180-03 (Soil)

Summit Scientific

Total Metals by EPA 6020B

| | | | | | | | | |
|----------|-------|--------|-----------|---|---------|----------|----------|-----------|
| Arsenic | 1.67 | 0.236 | mg/kg dry | 1 | BEC0322 | 03/18/21 | 03/20/21 | EPA 6020B |
| Barium | 82.2 | 0.473 | " | " | " | " | " | " |
| Cadmium | ND | 0.236 | " | " | " | " | " | " |
| Copper | 5.76 | 0.473 | " | " | " | " | " | " |
| Lead | 5.58 | 0.236 | " | " | " | " | " | " |
| Nickel | 5.29 | 0.473 | " | " | " | " | " | " |
| Selenium | 0.582 | 0.307 | " | " | " | " | " | " |
| Silver | ND | 0.0236 | " | " | " | " | " | " |
| Zinc | 24.6 | 0.473 | " | " | " | " | " | " |

Hexavalent Chromium by EPA Method 7196

Date Sampled: **03/10/21 12:50**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------------|-----------|----------|---------|----------|----------|-----------|-------|
| Chromium, Hexavalent | ND | 0.30 | mg/kg dry | 1 | BEC0340 | 03/19/21 | 03/22/21 | EPA 7196A | |

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **03/10/21 12:50**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Calcium | 40.5 | 0.0591 | mg/L dry | 1 | BEC0294 | 03/17/21 | 03/20/21 | EPA 6020B | |
| Magnesium | 11.2 | 0.0591 | " | " | " | " | " | " | |
| Sodium | 18.6 | 0.0591 | " | " | " | " | " | " | |

Calculated Analysis

Date Sampled: **03/10/21 12:50**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 0.667 | 0.100 | units | 1 | BEC0358 | 03/22/21 | 03/22/21 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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

Project: DCP - Mewbourn
Project Number: [none]
Project Manager: Brian Humphrey

Reported:
03/23/21 10:42

MW04@17'
2103180-03 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **03/10/21 12:50**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|--------------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | 84.6 | | % | 1 | BEC0221 | 03/11/21 | 03/11/21 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **03/10/21 12:50**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|--------------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.300 | 0.0100 | mmhos/cm | 1 | BEC0352 | 03/19/21 | 03/19/21 | EPA 120.1 | |

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **03/10/21 12:50**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|--------------------|----------|----------|---------|----------|----------|-----------|-------|
| pH | 8.40 | | pH Units | 1 | BEC0353 | 03/19/21 | 03/19/21 | EPA 9045D | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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

Project: DCP - Mewbourn
Project Number: [none]
Project Manager: Brian Humphrey

Reported:
03/23/21 10:42

MW04@23'
2103180-04 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/10/21 13:00**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | |
| Benzene | ND | 0.0020 | mg/kg | 1 | BEC0243 | 03/11/21 | 03/13/21 | 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: **03/10/21 13:00**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 97.4 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 110 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 104 % | 21-167 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/10/21 13:00**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | |
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | BEC0258 | 03/12/21 | 03/13/21 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | " | " | " | " | " | " | |

Date Sampled: **03/10/21 13:00**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |
| Surrogate: o-Terphenyl | | 97.1 % | 30-150 | | " | " | " | " | |

PAH by EPA Method 8270D SIM

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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

Project: DCP - Mewbourn

Project Number: [none]

Project Manager: Brian Humphrey

Reported:

03/23/21 10:42

MW04@23'
2103180-04 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **03/10/21 13:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------|--------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| Acenaphthene | ND | 0.00500 | mg/kg | 1 | BEC0269 | 03/13/21 | 03/14/21 | EPA 8270D SIM | |
| 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 | " | " | " | " | " | " | |

Date Sampled: **03/10/21 13:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | | 63.1 % | 40-150 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | | 60.4 % | 40-150 | | " | " | " | " | |

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **03/10/21 13:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Boron | ND | 0.0100 | mg/L | 1 | BEC0278 | 03/16/21 | 03/18/21 | EPA 6020B | |

Total Metals by EPA 6020B

Date Sampled: **03/10/21 13:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|

Summit Scientific

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

Project: DCP - Mewbourn

Project Number: [none]

Project Manager: Brian Humphrey

Reported:
03/23/21 10:42

MW04@23'
2103180-04 (Soil)

Summit Scientific

Total Metals by EPA 6020B

| | | | | | | | | |
|----------|------|--------|-----------|---|---------|----------|----------|-----------|
| Arsenic | 5.83 | 0.235 | mg/kg dry | 1 | BEC0322 | 03/18/21 | 03/20/21 | EPA 6020B |
| Barium | 67.5 | 0.469 | " | " | " | " | " | " |
| Cadmium | ND | 0.235 | " | " | " | " | " | " |
| Copper | 11.3 | 0.469 | " | " | " | " | " | " |
| Lead | 10.1 | 0.235 | " | " | " | " | " | " |
| Nickel | 11.2 | 0.469 | " | " | " | " | " | " |
| Selenium | 1.00 | 0.305 | " | " | " | " | " | " |
| Silver | ND | 0.0235 | " | " | " | " | " | " |
| Zinc | 54.2 | 0.469 | " | " | " | " | " | " |

Hexavalent Chromium by EPA Method 7196

Date Sampled: **03/10/21 13:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------------|-----------|----------|---------|----------|----------|-----------|-------|
| Chromium, Hexavalent | ND | 0.30 | mg/kg dry | 1 | BEC0340 | 03/19/21 | 03/22/21 | EPA 7196A | |

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **03/10/21 13:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Calcium | 22.3 | 0.0586 | mg/L dry | 1 | BEC0344 | 03/19/21 | 03/22/21 | EPA 6020B | |
| Magnesium | 5.86 | 0.0586 | " | " | " | " | " | " | |
| Sodium | 16.7 | 0.0586 | " | " | " | " | " | " | |

Calculated Analysis

Date Sampled: **03/10/21 13:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 0.813 | 0.100 | units | 1 | BEC0358 | 03/22/21 | 03/22/21 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Summit Scientific

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

Project: DCP - Mewbourn
Project Number: [none]
Project Manager: Brian Humphrey

Reported:
03/23/21 10:42

MW04@23'
2103180-04 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **03/10/21 13:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | 85.3 | | % | 1 | BEC0221 | 03/11/21 | 03/11/21 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **03/10/21 13:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.460 | 0.0100 | mmhos/cm | 1 | BEC0374 | 03/22/21 | 03/22/21 | EPA 120.1 | |

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **03/10/21 13:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH | 8.10 | | pH Units | 1 | BEC0375 | 03/22/21 | 03/22/21 | EPA 9045D | |

Summit Scientific

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

Project: DCP - Mewbourn
Project Number: [none]
Project Manager: Brian Humphrey

Reported:
03/23/21 10:42

MW05@13'
2103180-05 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/10/21 14:54**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|-----------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | |
| Benzene | ND | 0.0020 | mg/kg | 1 | BEC0243 | 03/11/21 | 03/13/21 | 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 | 76 | 5.0 | " | 10 | " | " | " | " | |

Date Sampled: **03/10/21 14:54**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 104 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 113 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 577 % | 21-167 | | " | " | " | " | S-02 |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/10/21 14:54**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|------------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | |
| C10-C28 (DRO) | 250 | 50 | mg/kg | 1 | BEC0258 | 03/12/21 | 03/13/21 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | " | " | " | " | " | " | |

Date Sampled: **03/10/21 14:54**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |
| Surrogate: o-Terphenyl | | 101 % | 30-150 | | " | " | " | " | |

PAH by EPA Method 8270D SIM

Summit Scientific

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

Project: DCP - Mewbourn
Project Number: [none]
Project Manager: Brian Humphrey

Reported:
03/23/21 10:42

MW05@13'
2103180-05 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **03/10/21 14:54**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------|----------------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| Acenaphthene | ND | 0.00500 | mg/kg | 1 | BEC0269 | 03/13/21 | 03/14/21 | EPA 8270D SIM | |
| Anthracene | 0.116 | 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 | 0.0134 | 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 | 0.00671 | 0.00500 | " | " | " | " | " | " | |
| 1-Methylnaphthalene | 0.499 | 0.0500 | " | 10 | " | " | " | " | |
| 2-Methylnaphthalene | 0.907 | 0.0500 | " | " | " | " | " | " | |

Date Sampled: **03/10/21 14:54**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | | 52.5 % | 40-150 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | | 55.7 % | 40-150 | | " | " | " | " | |

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **03/10/21 14:54**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------|---------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Boron | 0.0141 | 0.0100 | mg/L | 1 | BEC0278 | 03/16/21 | 03/18/21 | EPA 6020B | |

Total Metals by EPA 6020B

Date Sampled: **03/10/21 14:54**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|

Summit Scientific

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

Project: DCP - Mewbourn

Project Number: [none]

Project Manager: Brian Humphrey

Reported:
03/23/21 10:42

MW05@13'
2103180-05 (Soil)

Summit Scientific

Total Metals by EPA 6020B

| | | | | | | | | |
|----------|-------|--------|-----------|---|---------|----------|----------|-----------|
| Arsenic | 1.34 | 0.233 | mg/kg dry | 1 | BEC0322 | 03/18/21 | 03/20/21 | EPA 6020B |
| Barium | 60.8 | 0.466 | " | " | " | " | " | " |
| Cadmium | ND | 0.233 | " | " | " | " | " | " |
| Copper | 10.6 | 0.466 | " | " | " | " | " | " |
| Lead | 4.70 | 0.233 | " | " | " | " | " | " |
| Nickel | 4.66 | 0.466 | " | " | " | " | " | " |
| Selenium | 0.540 | 0.303 | " | " | " | " | " | " |
| Silver | ND | 0.0233 | " | " | " | " | " | " |
| Zinc | 27.4 | 0.466 | " | " | " | " | " | " |

Hexavalent Chromium by EPA Method 7196

Date Sampled: **03/10/21 14:54**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------------|-----------|----------|---------|----------|----------|-----------|-------|
| Chromium, Hexavalent | ND | 0.30 | mg/kg dry | 1 | BEC0340 | 03/19/21 | 03/22/21 | EPA 7196A | |

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **03/10/21 14:54**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Calcium | 52.2 | 0.0582 | mg/L dry | 1 | BEC0294 | 03/17/21 | 03/20/21 | EPA 6020B | |
| Magnesium | 8.70 | 0.0582 | " | " | " | " | " | " | |
| Sodium | 63.4 | 0.0582 | " | " | " | " | " | " | |

Calculated Analysis

Date Sampled: **03/10/21 14:54**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 2.14 | 0.100 | units | 1 | BEC0358 | 03/22/21 | 03/22/21 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Summit Scientific

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

Project: DCP - Mewbourn
Project Number: [none]
Project Manager: Brian Humphrey

Reported:
03/23/21 10:42

MW05@13'
2103180-05 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **03/10/21 14:54**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|--------------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | 85.9 | | % | 1 | BEC0221 | 03/11/21 | 03/11/21 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **03/10/21 14:54**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|--------------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.558 | 0.0100 | mmhos/cm | 1 | BEC0352 | 03/19/21 | 03/19/21 | EPA 120.1 | |

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **03/10/21 14:54**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|--------------------|----------|----------|---------|----------|----------|-----------|-------|
| pH | 8.25 | | pH Units | 1 | BEC0353 | 03/19/21 | 03/19/21 | EPA 9045D | |

Summit Scientific

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

Project: DCP - Mewbourn
Project Number: [none]
Project Manager: Brian Humphrey

Reported:
03/23/21 10:42

MW05@23'
2103180-06 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/10/21 15:05**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | |
| Benzene | ND | 0.0020 | mg/kg | 1 | BEC0243 | 03/11/21 | 03/13/21 | 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: **03/10/21 15:05**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 103 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 108 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 126 % | 21-167 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/10/21 15:05**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | |
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | BEC0258 | 03/12/21 | 03/13/21 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | " | " | " | " | " | " | |

Date Sampled: **03/10/21 15:05**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |
| Surrogate: o-Terphenyl | | 98.9 % | 30-150 | | " | " | " | " | |

PAH by EPA Method 8270D SIM

Summit Scientific

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

Project: DCP - Mewbourn
Project Number: [none]
Project Manager: Brian Humphrey

Reported:
03/23/21 10:42

MW05@23'
2103180-06 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **03/10/21 15:05**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------|--------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| Acenaphthene | ND | 0.00500 | mg/kg | 1 | BEC0269 | 03/13/21 | 03/14/21 | EPA 8270D SIM | |
| 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 | " | " | " | " | " | " | |

Date Sampled: **03/10/21 15:05**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | | 51.2 % | 40-150 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | | 48.1 % | 40-150 | | " | " | " | " | |

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **03/10/21 15:05**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------|---------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Boron | 0.0351 | 0.0100 | mg/L | 1 | BEC0278 | 03/16/21 | 03/18/21 | EPA 6020B | |

Total Metals by EPA 6020B

Date Sampled: **03/10/21 15:05**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|-----------------|-------|----------|-------|----------|----------|--------|-------|

Summit Scientific

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

Project: DCP - Mewbourn

Project Number: [none]

Project Manager: Brian Humphrey

Reported:
03/23/21 10:42

MW05@23'
2103180-06 (Soil)

Summit Scientific

Total Metals by EPA 6020B

| | | | | | | | | |
|----------|-------|--------|-----------|---|---------|----------|----------|-----------|
| Arsenic | 4.46 | 0.252 | mg/kg dry | 1 | BEC0322 | 03/18/21 | 03/20/21 | EPA 6020B |
| Barium | 41.0 | 0.504 | " | " | " | " | " | " |
| Cadmium | ND | 0.252 | " | " | " | " | " | " |
| Copper | 5.10 | 0.504 | " | " | " | " | " | " |
| Lead | 6.01 | 0.252 | " | " | " | " | " | " |
| Nickel | 5.13 | 0.504 | " | " | " | " | " | " |
| Selenium | 0.496 | 0.327 | " | " | " | " | " | " |
| Silver | ND | 0.0252 | " | " | " | " | " | " |
| Zinc | 28.3 | 0.504 | " | " | " | " | " | " |

Hexavalent Chromium by EPA Method 7196

Date Sampled: **03/10/21 15:05**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------------|-----------|----------|---------|----------|----------|-----------|-------|
| Chromium, Hexavalent | ND | 0.30 | mg/kg dry | 1 | BEC0340 | 03/19/21 | 03/22/21 | EPA 7196A | |

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **03/10/21 15:05**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Calcium | 81.4 | 0.0630 | mg/L dry | 1 | BEC0294 | 03/17/21 | 03/20/21 | EPA 6020B | |
| Magnesium | 22.1 | 0.0630 | " | " | " | " | " | " | |
| Sodium | 101 | 0.0630 | " | " | " | " | " | " | |

Calculated Analysis

Date Sampled: **03/10/21 15:05**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 2.56 | 0.100 | units | 1 | BEC0358 | 03/22/21 | 03/22/21 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Summit Scientific

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

Project: DCP - Mewbourn
Project Number: [none]
Project Manager: Brian Humphrey

Reported:
03/23/21 10:42

MW05@23'
2103180-06 (Soil)

Summit Scientific

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **03/10/21 15:05**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|--------------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | 79.4 | | % | 1 | BEC0221 | 03/11/21 | 03/11/21 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **03/10/21 15:05**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|--------------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.904 | 0.0100 | mmhos/cm | 1 | BEC0352 | 03/19/21 | 03/19/21 | EPA 120.1 | |

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **03/10/21 15:05**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|--------------------|----------|----------|---------|----------|----------|-----------|-------|
| pH | 8.23 | | pH Units | 1 | BEC0353 | 03/19/21 | 03/19/21 | EPA 9045D | |

Summit Scientific

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

Project: DCP - Mewbourn

Project Number: [none]

Project Manager: Brian Humphrey

Reported:

03/23/21 10:42

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

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

Batch BEC0243 - EPA 5030 Soil MS

Blank (BEC0243-BLK1)

Prepared: 03/11/21 Analyzed: 03/13/21

| | | | | | | | | | | |
|----------------------------------|--------|--------|-------|--------|--|------|--------|--|--|--|
| 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 | " | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0384 | | " | 0.0400 | | 96.0 | 23-173 | | | |
| Surrogate: Toluene-d8 | 0.0432 | | " | 0.0400 | | 108 | 20-170 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.0419 | | " | 0.0400 | | 105 | 21-167 | | | |

LCS (BEC0243-BS1)

Prepared: 03/11/21 Analyzed: 03/13/21

| | | | | | | | | | | |
|----------------------------------|--------|--------|-------|--------|--|------|--------|--|--|--|
| Benzene | 0.0766 | 0.0020 | mg/kg | 0.100 | | 76.6 | 70-130 | | | |
| Toluene | 0.116 | 0.0050 | " | 0.100 | | 116 | 70-130 | | | |
| Ethylbenzene | 0.0965 | 0.0050 | " | 0.100 | | 96.5 | 70-130 | | | |
| m,p-Xylene | 0.191 | 0.010 | " | 0.200 | | 95.4 | 70-130 | | | |
| o-Xylene | 0.104 | 0.0050 | " | 0.100 | | 104 | 70-130 | | | |
| 1,2,4-Trimethylbenzene | 0.116 | 0.0050 | " | 0.100 | | 116 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 0.115 | 0.0050 | " | 0.100 | | 115 | 70-130 | | | |
| Naphthalene | 0.0978 | 0.0038 | " | 0.100 | | 97.8 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0376 | | " | 0.0400 | | 94.0 | 23-173 | | | |
| Surrogate: Toluene-d8 | 0.0436 | | " | 0.0400 | | 109 | 20-170 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.0459 | | " | 0.0400 | | 115 | 21-167 | | | |

Matrix Spike (BEC0243-MS1)

Source: 2103189-01

Prepared: 03/11/21 Analyzed: 03/13/21

| | | | | | | | | | | |
|----------------------------------|--------|--------|-------|--------|----|------|--------|--|--|--|
| Benzene | 0.0804 | 0.0020 | mg/kg | 0.100 | ND | 80.4 | 70-130 | | | |
| Toluene | 0.114 | 0.0050 | " | 0.100 | ND | 114 | 70-130 | | | |
| Ethylbenzene | 0.102 | 0.0050 | " | 0.100 | ND | 102 | 70-130 | | | |
| m,p-Xylene | 0.206 | 0.010 | " | 0.200 | ND | 103 | 70-130 | | | |
| o-Xylene | 0.104 | 0.0050 | " | 0.100 | ND | 104 | 70-130 | | | |
| 1,2,4-Trimethylbenzene | 0.110 | 0.0050 | " | 0.100 | ND | 110 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 0.108 | 0.0050 | " | 0.100 | ND | 108 | 70-130 | | | |
| Naphthalene | 0.109 | 0.0038 | " | 0.100 | ND | 109 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0400 | | " | 0.0400 | | 100 | 23-173 | | | |
| Surrogate: Toluene-d8 | 0.0434 | | " | 0.0400 | | 109 | 20-170 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.0427 | | " | 0.0400 | | 107 | 21-167 | | | |

Summit Scientific

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

Project: DCP - Mewbourn

Project Number: [none]

Project Manager: Brian Humphrey

Reported:
03/23/21 10:42

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

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

Batch BEC0243 - EPA 5030 Soil MS

| Matrix Spike Dup (BEC0243-MSD1) | Source: 2103189-01 | | | Prepared: 03/11/21 Analyzed: 03/13/21 | | | | | | |
|----------------------------------|--------------------|--------|-------|---------------------------------------|----|------|--------|--------|----|--|
| Benzene | 0.0802 | 0.0020 | mg/kg | 0.100 | ND | 80.2 | 70-130 | 0.262 | 30 | |
| Toluene | 0.114 | 0.0050 | " | 0.100 | ND | 114 | 70-130 | 0.0792 | 30 | |
| Ethylbenzene | 0.101 | 0.0050 | " | 0.100 | ND | 101 | 70-130 | 0.948 | 30 | |
| m,p-Xylene | 0.204 | 0.010 | " | 0.200 | ND | 102 | 70-130 | 1.11 | 30 | |
| o-Xylene | 0.101 | 0.0050 | " | 0.100 | ND | 101 | 70-130 | 3.07 | 30 | |
| 1,2,4-Trimethylbenzene | 0.109 | 0.0050 | " | 0.100 | ND | 109 | 70-130 | 1.29 | 30 | |
| 1,3,5-Trimethylbenzene | 0.108 | 0.0050 | " | 0.100 | ND | 108 | 70-130 | 0.166 | 30 | |
| Naphthalene | 0.106 | 0.0038 | " | 0.100 | ND | 106 | 70-130 | 2.62 | 30 | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0382 | | " | 0.0400 | | 95.6 | 23-173 | | | |
| Surrogate: Toluene-d8 | 0.0435 | | " | 0.0400 | | 109 | 20-170 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.0419 | | " | 0.0400 | | 105 | 21-167 | | | |

Summit Scientific

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

Project: DCP - Mewbourn
Project Number: [none]
Project Manager: Brian Humphrey

Reported:
03/23/21 10:42

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

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

Batch BEC0258 - EPA 3550A

Blank (BEC0258-BLK1)

Prepared: 03/12/21 Analyzed: 03/13/21

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

LCS (BEC0258-BS1)

Prepared: 03/12/21 Analyzed: 03/13/21

| | | | | | | |
|---------------|-----|----|-------|-----|------|--------|
| C10-C28 (DRO) | 478 | 50 | mg/kg | 500 | 95.7 | 70-130 |
|---------------|-----|----|-------|-----|------|--------|

Matrix Spike (BEC0258-MS1)

Source: 2103180-01

Prepared: 03/12/21 Analyzed: 03/13/21

| | | | | | | | | | | |
|---------------|-----|----|-------|-----|-----|------|--------|--|--|-------|
| C10-C28 (DRO) | 880 | 50 | mg/kg | 500 | 595 | 57.1 | 70-130 | | | QM-07 |
|---------------|-----|----|-------|-----|-----|------|--------|--|--|-------|

Matrix Spike Dup (BEC0258-MSD1)

Source: 2103180-01

Prepared: 03/12/21 Analyzed: 03/13/21

| | | | | | | | | | | |
|---------------|-----|----|-------|-----|-----|------|--------|------|----|-------|
| C10-C28 (DRO) | 892 | 50 | mg/kg | 500 | 595 | 59.5 | 70-130 | 1.36 | 20 | QM-07 |
|---------------|-----|----|-------|-----|-----|------|--------|------|----|-------|

Summit Scientific

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

Project: DCP - Mewbourn
Project Number: [none]
Project Manager: Brian Humphrey

Reported:
03/23/21 10:42

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

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

Batch BEC0269 - EPA 5030 Soil MS

Blank (BEC0269-BLK1)

Prepared: 03/13/21 Analyzed: 03/14/21

| | | | | | | | | | | | |
|------------------------------------|--------|---------|-------|--------|--|------|--|--------|--|--|--|
| 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 | 0.0215 | | " | 0.0333 | | 64.4 | | 40-150 | | | |
| Surrogate: Fluoranthene-d10 | 0.0215 | | " | 0.0333 | | 64.4 | | 40-150 | | | |

LCS (BEC0269-BS1)

Prepared: 03/13/21 Analyzed: 03/14/21

| | | | | | | | | | | | |
|------------------------------------|--------|---------|-------|--------|--|------|--|--------|--|--|--|
| Acenaphthene | 0.0356 | 0.00500 | mg/kg | 0.0333 | | 107 | | 31-137 | | | |
| Anthracene | 0.0381 | 0.00500 | " | 0.0333 | | 114 | | 30-120 | | | |
| Benzo (a) anthracene | 0.0358 | 0.00500 | " | 0.0333 | | 107 | | 30-120 | | | |
| Benzo (a) pyrene | 0.0269 | 0.00500 | " | 0.0333 | | 80.6 | | 30-120 | | | |
| Benzo (b) fluoranthene | 0.0314 | 0.00500 | " | 0.0333 | | 94.1 | | 30-120 | | | |
| Benzo (k) fluoranthene | 0.0380 | 0.00500 | " | 0.0333 | | 114 | | 30-120 | | | |
| Chrysene | 0.0348 | 0.00500 | " | 0.0333 | | 104 | | 30-120 | | | |
| Dibenz (a,h) anthracene | 0.0398 | 0.00500 | " | 0.0333 | | 119 | | 30-120 | | | |
| Fluoranthene | 0.0348 | 0.00500 | " | 0.0333 | | 104 | | 30-120 | | | |
| Fluorene | 0.0347 | 0.00500 | " | 0.0333 | | 104 | | 30-120 | | | |
| Indeno (1,2,3-cd) pyrene | 0.0396 | 0.00500 | " | 0.0333 | | 119 | | 30-120 | | | |
| Pyrene | 0.0308 | 0.00500 | " | 0.0333 | | 92.5 | | 35-142 | | | |
| 1-Methylnaphthalene | 0.0348 | 0.00500 | " | 0.0333 | | 104 | | 35-142 | | | |
| 2-Methylnaphthalene | 0.0369 | 0.00500 | " | 0.0333 | | 111 | | 35-142 | | | |
| Surrogate: 2-Methylnaphthalene-d10 | 0.0220 | | " | 0.0333 | | 65.9 | | 40-150 | | | |
| Surrogate: Fluoranthene-d10 | 0.0226 | | " | 0.0333 | | 67.8 | | 40-150 | | | |

Summit Scientific

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

Project: DCP - Mewbourn

Project Number: [none]

Project Manager: Brian Humphrey

Reported:

03/23/21 10:42

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

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

Batch BEC0269 - EPA 5030 Soil MS

Matrix Spike (BEC0269-MS1)

Source: 2103126-04

Prepared: 03/13/21 Analyzed: 03/14/21

| | | | | | | | | | | | |
|------------------------------------|--------|---------|-------|--------|----|------|--------|--|--|--|--|
| Acenaphthene | 0.0334 | 0.00500 | mg/kg | 0.0333 | ND | 100 | 31-137 | | | | |
| Anthracene | 0.0354 | 0.00500 | " | 0.0333 | ND | 106 | 30-120 | | | | |
| Benzo (a) anthracene | 0.0317 | 0.00500 | " | 0.0333 | ND | 95.2 | 30-120 | | | | |
| Benzo (a) pyrene | 0.0366 | 0.00500 | " | 0.0333 | ND | 110 | 30-120 | | | | |
| Benzo (b) fluoranthene | 0.0378 | 0.00500 | " | 0.0333 | ND | 113 | 30-120 | | | | |
| Benzo (k) fluoranthene | 0.0350 | 0.00500 | " | 0.0333 | ND | 105 | 30-120 | | | | |
| Chrysene | 0.0319 | 0.00500 | " | 0.0333 | ND | 95.8 | 30-120 | | | | |
| Dibenz (a,h) anthracene | 0.0364 | 0.00500 | " | 0.0333 | ND | 109 | 30-120 | | | | |
| Fluoranthene | 0.0335 | 0.00500 | " | 0.0333 | ND | 101 | 30-120 | | | | |
| Fluorene | 0.0315 | 0.00500 | " | 0.0333 | ND | 94.5 | 30-120 | | | | |
| Indeno (1,2,3-cd) pyrene | 0.0357 | 0.00500 | " | 0.0333 | ND | 107 | 30-120 | | | | |
| Pyrene | 0.0280 | 0.00500 | " | 0.0333 | ND | 84.1 | 35-142 | | | | |
| 1-Methylnaphthalene | 0.0351 | 0.00500 | " | 0.0333 | ND | 105 | 15-130 | | | | |
| 2-Methylnaphthalene | 0.0345 | 0.00500 | " | 0.0333 | ND | 103 | 15-130 | | | | |
| Surrogate: 2-Methylnaphthalene-d10 | 0.0203 | | " | 0.0333 | | 61.0 | 40-150 | | | | |
| Surrogate: Fluoranthene-d10 | 0.0205 | | " | 0.0333 | | 61.5 | 40-150 | | | | |

Matrix Spike Dup (BEC0269-MSD1)

Source: 2103126-04

Prepared: 03/13/21 Analyzed: 03/14/21

| | | | | | | | | | | | |
|------------------------------------|--------|---------|-------|--------|----|------|--------|--------|----|--|--|
| Acenaphthene | 0.0330 | 0.00500 | mg/kg | 0.0333 | ND | 99.0 | 31-137 | 1.13 | 30 | | |
| Anthracene | 0.0355 | 0.00500 | " | 0.0333 | ND | 106 | 30-120 | 0.138 | 30 | | |
| Benzo (a) anthracene | 0.0323 | 0.00500 | " | 0.0333 | ND | 96.9 | 30-120 | 1.75 | 30 | | |
| Benzo (a) pyrene | 0.0365 | 0.00500 | " | 0.0333 | ND | 109 | 30-120 | 0.374 | 30 | | |
| Benzo (b) fluoranthene | 0.0380 | 0.00500 | " | 0.0333 | ND | 114 | 30-120 | 0.543 | 30 | | |
| Benzo (k) fluoranthene | 0.0354 | 0.00500 | " | 0.0333 | ND | 106 | 30-120 | 1.23 | 30 | | |
| Chrysene | 0.0319 | 0.00500 | " | 0.0333 | ND | 95.8 | 30-120 | 0.0553 | 30 | | |
| Dibenz (a,h) anthracene | 0.0354 | 0.00500 | " | 0.0333 | ND | 106 | 30-120 | 3.00 | 30 | | |
| Fluoranthene | 0.0334 | 0.00500 | " | 0.0333 | ND | 100 | 30-120 | 0.424 | 30 | | |
| Fluorene | 0.0316 | 0.00500 | " | 0.0333 | ND | 94.7 | 30-120 | 0.235 | 30 | | |
| Indeno (1,2,3-cd) pyrene | 0.0354 | 0.00500 | " | 0.0333 | ND | 106 | 30-120 | 0.763 | 30 | | |
| Pyrene | 0.0278 | 0.00500 | " | 0.0333 | ND | 83.5 | 35-142 | 0.771 | 30 | | |
| 1-Methylnaphthalene | 0.0335 | 0.00500 | " | 0.0333 | ND | 101 | 15-130 | 4.67 | 50 | | |
| 2-Methylnaphthalene | 0.0355 | 0.00500 | " | 0.0333 | ND | 106 | 15-130 | 2.94 | 50 | | |
| Surrogate: 2-Methylnaphthalene-d10 | 0.0204 | | " | 0.0333 | | 61.2 | 40-150 | | | | |
| Surrogate: Fluoranthene-d10 | 0.0207 | | " | 0.0333 | | 62.0 | 40-150 | | | | |

Summit Scientific

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

Project: DCP - Mewbourn

Project Number: [none]

Project Manager: Brian Humphrey

Reported:

03/23/21 10:42

Total Metals by EPA 6020B Hot Water Soluble Extraction - Quality Control

Summit Scientific

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

Batch BEC0278 - EPA 3050B

Blank (BEC0278-BLK1)

Prepared: 03/16/21 Analyzed: 03/18/21

Boron ND 0.0100 mg/L

LCS (BEC0278-BS1)

Prepared: 03/16/21 Analyzed: 03/18/21

Boron 4.96 0.0100 mg/L 5.00 99.3 80-120

Duplicate (BEC0278-DUP1)

Source: 2103136-01

Prepared: 03/16/21 Analyzed: 03/18/21

Boron 0.102 0.0100 mg/L 0.0972 5.03 20

Matrix Spike (BEC0278-MS1)

Source: 2103136-01

Prepared: 03/16/21 Analyzed: 03/18/21

Boron 4.99 0.0100 mg/L 5.00 0.0972 97.8 75-125

Matrix Spike Dup (BEC0278-MSD1)

Source: 2103136-01

Prepared: 03/16/21 Analyzed: 03/18/21

Boron 5.02 0.0100 mg/L 5.00 0.0972 98.4 75-125 0.662 25

Summit Scientific

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

Project: DCP - Mewbourn
Project Number: [none]
Project Manager: Brian Humphrey

Reported:
03/23/21 10:42

Total Metals by EPA 6020B - Quality Control
Summit Scientific

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

Batch BEC0322 - EPA 3050B

Blank (BEC0322-BLK1)

Prepared: 03/18/21 Analyzed: 03/20/21

| | | | |
|----------|----|--------|-----------|
| Arsenic | ND | 0.200 | mg/kg wet |
| Barium | ND | 0.400 | " |
| Cadmium | ND | 0.200 | " |
| Copper | ND | 0.400 | " |
| Lead | ND | 0.200 | " |
| Nickel | ND | 0.400 | " |
| Selenium | ND | 0.260 | " |
| Silver | ND | 0.0200 | " |
| Zinc | ND | 0.400 | " |

LCS (BEC0322-BS1)

Prepared: 03/18/21 Analyzed: 03/20/21

| | | | | | | |
|----------|------|--------|-----------|------|------|--------|
| Arsenic | 45.9 | 0.200 | mg/kg wet | 40.0 | 115 | 80-120 |
| Barium | 36.7 | 0.400 | " | 40.0 | 91.8 | 80-120 |
| Cadmium | 2.04 | 0.200 | " | 2.00 | 102 | 80-120 |
| Copper | 36.7 | 0.400 | " | 40.0 | 91.7 | 80-120 |
| Lead | 18.4 | 0.200 | " | 20.0 | 92.0 | 80-120 |
| Nickel | 35.5 | 0.400 | " | 40.0 | 88.7 | 80-120 |
| Selenium | 4.03 | 0.260 | " | 4.00 | 101 | 80-120 |
| Silver | 1.79 | 0.0200 | " | 2.00 | 89.4 | 80-120 |
| Zinc | 47.2 | 0.400 | " | 40.0 | 118 | 80-120 |

Duplicate (BEC0322-DUP1)

Source: 2103180-01

Prepared: 03/18/21 Analyzed: 03/20/21

| | | | | | | |
|----------|--------|--------|-----------|--------|------|----|
| Arsenic | 1.78 | 0.225 | mg/kg dry | 1.90 | 6.37 | 30 |
| Barium | 78.1 | 0.450 | " | 81.4 | 4.22 | 30 |
| Cadmium | 0.100 | 0.225 | " | 0.106 | 5.66 | 30 |
| Copper | 5.96 | 0.450 | " | 6.15 | 3.00 | 30 |
| Lead | 4.69 | 0.225 | " | 5.70 | 19.5 | 30 |
| Nickel | 6.02 | 0.450 | " | 6.16 | 2.31 | 30 |
| Selenium | 0.646 | 0.292 | " | 0.599 | 7.61 | 30 |
| Silver | 0.0124 | 0.0225 | " | 0.0159 | 24.3 | 30 |
| Zinc | 24.0 | 0.450 | " | 24.3 | 1.07 | 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.



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

Project: DCP - Mewbourn
Project Number: [none]
Project Manager: Brian Humphrey

Reported:
03/23/21 10:42

Total Metals by EPA 6020B - Quality Control
Summit Scientific

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

Batch BEC0322 - EPA 3050B

| Matrix Spike (BEC0322-MS1) | | Source: 2103180-01 | | | Prepared: 03/18/21 Analyzed: 03/20/21 | | | | | |
|----------------------------|------|--------------------|-----------|------|---------------------------------------|------|--------|--|--|--|
| Arsenic | 54.0 | 0.225 | mg/kg dry | 45.0 | 1.90 | 116 | 75-125 | | | |
| Barium | 119 | 0.450 | " | 45.0 | 81.4 | 83.6 | 75-125 | | | |
| Cadmium | 2.42 | 0.225 | " | 2.25 | 0.106 | 103 | 75-125 | | | |
| Copper | 47.3 | 0.450 | " | 45.0 | 6.15 | 91.6 | 75-125 | | | |
| Lead | 24.5 | 0.225 | " | 22.5 | 5.70 | 83.8 | 75-125 | | | |
| Nickel | 47.2 | 0.450 | " | 45.0 | 6.16 | 91.2 | 75-125 | | | |
| Selenium | 5.08 | 0.292 | " | 4.50 | 0.599 | 99.6 | 75-125 | | | |
| Silver | 2.01 | 0.0225 | " | 2.25 | 0.0159 | 88.9 | 75-125 | | | |
| Zinc | 74.8 | 0.450 | " | 45.0 | 24.3 | 112 | 75-125 | | | |

| Matrix Spike Dup (BEC0322-MSD1) | | Source: 2103180-01 | | | Prepared: 03/18/21 Analyzed: 03/20/21 | | | | | |
|---------------------------------|------|--------------------|-----------|------|---------------------------------------|------|--------|-------|----|--|
| Arsenic | 53.0 | 0.225 | mg/kg dry | 45.0 | 1.90 | 114 | 75-125 | 1.71 | 25 | |
| Barium | 124 | 0.450 | " | 45.0 | 81.4 | 94.8 | 75-125 | 4.13 | 25 | |
| Cadmium | 2.31 | 0.225 | " | 2.25 | 0.106 | 98.0 | 75-125 | 4.68 | 25 | |
| Copper | 46.7 | 0.450 | " | 45.0 | 6.15 | 90.2 | 75-125 | 1.29 | 25 | |
| Lead | 24.0 | 0.225 | " | 22.5 | 5.70 | 81.3 | 75-125 | 2.27 | 25 | |
| Nickel | 46.7 | 0.450 | " | 45.0 | 6.16 | 90.2 | 75-125 | 0.918 | 25 | |
| Selenium | 4.89 | 0.292 | " | 4.50 | 0.599 | 95.5 | 75-125 | 3.71 | 25 | |
| Silver | 1.95 | 0.0225 | " | 2.25 | 0.0159 | 86.0 | 75-125 | 3.24 | 25 | |
| Zinc | 74.5 | 0.450 | " | 45.0 | 24.3 | 112 | 75-125 | 0.387 | 25 | |

Summit Scientific

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

Project: DCP - Mewbourn
Project Number: [none]
Project Manager: Brian Humphrey

Reported:
03/23/21 10:42

Hexavalent Chromium by EPA Method 7196 - Quality Control
Summit Scientific

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

Batch BEC0340 - 3060A Mod

Blank (BEC0340-BLK1)

Prepared: 03/19/21 Analyzed: 03/22/21

Chromium, Hexavalent ND 0.30 mg/kg wet

LCS (BEC0340-BS1)

Prepared: 03/19/21 Analyzed: 03/22/21

Chromium, Hexavalent 23.2 0.30 mg/kg wet 25.0 93.0 80-120

Duplicate (BEC0340-DUP1)

Source: 2103180-01

Prepared: 03/19/21 Analyzed: 03/22/21

Chromium, Hexavalent ND 0.30 mg/kg dry ND 20

Matrix Spike (BEC0340-MS1)

Source: 2103180-01

Prepared: 03/19/21 Analyzed: 03/22/21

Chromium, Hexavalent 25.6 0.30 mg/kg dry 28.1 ND 91.0 75-125

Matrix Spike Dup (BEC0340-MSD1)

Source: 2103180-01

Prepared: 03/19/21 Analyzed: 03/22/21

Chromium, Hexavalent 25.4 0.30 mg/kg dry 28.1 ND 90.4 75-125 0.662 20

Summit Scientific

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

Project: DCP - Mewbourn

Project Number: [none]

Project Manager: Brian Humphrey

Reported:
03/23/21 10:42

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction - Quality Control

Summit Scientific

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

Batch BEC0294 - General Preparation

Blank (BEC0294-BLK1)

Prepared: 03/17/21 Analyzed: 03/19/21

| | | | |
|-----------|----|--------|----------|
| Calcium | ND | 0.0500 | mg/L wet |
| Magnesium | ND | 0.0500 | " |
| Sodium | ND | 0.0500 | " |

LCS (BEC0294-BS1)

Prepared: 03/17/21 Analyzed: 03/19/21

| | | | | | | |
|-----------|------|--------|----------|------|-----|--------|
| Calcium | 5.21 | 0.0500 | mg/L wet | 5.00 | 104 | 70-130 |
| Magnesium | 5.22 | 0.0500 | " | 5.00 | 104 | 70-130 |
| Sodium | 5.26 | 0.0500 | " | 5.00 | 105 | 70-130 |

Summit Scientific

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

Project: DCP - Mewbourn

Project Number: [none]

Project Manager: Brian Humphrey

Reported:

03/23/21 10:42

Physical Parameters by APHA/ASTM/EPA Methods - Quality Control

Summit Scientific

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

Batch BEC0221 - General Preparation

Duplicate (BEC0221-DUP1)

Source: 2103161-01

Prepared & Analyzed: 03/11/21

| | | | | | |
|----------|------|---|------|-------|----|
| % Solids | 84.8 | % | 84.7 | 0.112 | 20 |
|----------|------|---|------|-------|----|

Summit Scientific

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

Project: DCP - Mewbourn

Project Number: [none]

Project Manager: Brian Humphrey

Reported:
03/23/21 10:42

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction - Quality Control

Summit Scientific

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

Batch BEC0352 - General Preparation

Blank (BEC0352-BLK1)

Prepared & Analyzed: 03/19/21

Specific Conductance (EC) ND 0.0100 mmhos/cm

LCS (BEC0352-BS1)

Prepared & Analyzed: 03/19/21

Specific Conductance (EC) 0.150 0.0100 mmhos/cm 0.150 100 90-110

Duplicate (BEC0352-DUP1)

Source: 2103161-01

Prepared & Analyzed: 03/19/21

Specific Conductance (EC) 0.922 0.0100 mmhos/cm 0.908 1.53 20

Batch BEC0374 - General Preparation

Blank (BEC0374-BLK1)

Prepared & Analyzed: 03/22/21

Specific Conductance (EC) ND 0.0100 mmhos/cm

LCS (BEC0374-BS1)

Prepared & Analyzed: 03/22/21

Specific Conductance (EC) 0.150 0.0100 mmhos/cm 0.150 100 90-110

Duplicate (BEC0374-DUP1)

Source: 2103180-04

Prepared & Analyzed: 03/22/21

Specific Conductance (EC) 0.466 0.0100 mmhos/cm 0.460 1.34 20

Summit Scientific

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

Project: DCP - Mewbourn

Project Number: [none]

Project Manager: Brian Humphrey

Reported:

03/23/21 10:42

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction - Quality Control

Summit Scientific

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

Batch BEC0353 - General Preparation

LCS (BEC0353-BS1)

Prepared & Analyzed: 03/19/21

| | | | | | | |
|----|------|--|----------|------|-----|--------|
| pH | 9.25 | | pH Units | 9.21 | 100 | 95-105 |
|----|------|--|----------|------|-----|--------|

Duplicate (BEC0353-DUP1)

Source: 2103161-01

Prepared & Analyzed: 03/19/21

| | | | | | | | |
|----|------|--|----------|------|--|-------|----|
| pH | 8.38 | | pH Units | 8.46 | | 0.950 | 20 |
|----|------|--|----------|------|--|-------|----|

Batch BEC0375 - General Preparation

LCS (BEC0375-BS1)

Prepared & Analyzed: 03/22/21

| | | | | | | |
|----|------|--|----------|------|-----|--------|
| pH | 9.30 | | pH Units | 9.21 | 101 | 95-105 |
|----|------|--|----------|------|-----|--------|

Duplicate (BEC0375-DUP1)

Source: 2103180-04

Prepared & Analyzed: 03/22/21

| | | | | | | | |
|----|------|--|----------|------|--|-------|----|
| pH | 8.09 | | pH Units | 8.10 | | 0.124 | 20 |
|----|------|--|----------|------|--|-------|----|

Summit Scientific

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

Project: DCP - Mewbourn

Project Number: [none]
Project Manager: Brian Humphrey

Reported:
03/23/21 10:42

Notes and Definitions

| | |
|-------|--|
| S-02 | The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract. |
| QM-07 | The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS/LCSD recovery. |
| 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 |

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

March 25, 2021

Brian Humphrey
Tasman Geosciences
6855 W. 119th Ave.
Broomfield, CO 80020
RE: DCP - Mewbourn
Work Order #2103222

Enclosed are the results of analyses for samples received by Summit Scientific on 03/11/21 17:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read 'P. Shrewsbury', with a stylized, cursive script.

Paul Shrewsbury
President



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

Project: DCP - Mewbourn

Project Number: [none]

Project Manager: Brian Humphrey

Reported:
03/25/21 11:06

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------|---------------|--------|----------------|----------------|
| MW06@11' | 2103222-01 | Soil | 03/11/21 09:54 | 03/11/21 17:00 |
| MW06@23' | 2103222-02 | Soil | 03/11/21 10:15 | 03/11/21 17:00 |

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

S₂

2102222

4653 Table Mountain Drive ♦ Golden, Colorado 80403
303-277-9310

Page 1 of 1

Client: DCP / Tasman

Project Manager: B. Humphrey / C. Cole

Address:

E-Mail: B.Humphrey@tasman-geo.com, C.Cole@depwidsstream.com,

City/State/Zip:

SWWeathers@depwidsstream.com



Phone: 303-487-1228

Project Name: Newbourn

Sampler Name: GB

Project Number: -

| ID | Sample Description | Date Sampled | Time Sampled | # of containers | Preservative | | | | Matrix | | | | Analysis Requested | | | | | | | | Special Instructions |
|----|--------------------|--------------|--------------|-----------------|--------------|------------------|------|-------|--------|------|----------------|-------|-------------------------|-------------------|---------------------|-----------------------------------|------------------------|---|--|--|----------------------|
| | | | | | HCl | HNO ₃ | None | Other | Water | Soil | Air-Canister # | Other | Table 915 VOCs & GRO | Table 915 PAHs | Table 915 Metals | Table 915 SAR, pH, EC, Conduct | Table 915 ORO & DRO | | | | |
| 1 | MW06 @ 11' | 3/11/21 | 0954 | 3 | | | X | | | X | | | | X | X | X | X | X | | | |
| 2 | MW06 @ 23' | 3/11/21 | 1015 | 3 | | | X | | | X | | | | X | X | X | X | X | | | |
| 3 | | | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | |
|--|-----------------|---|---------------|---|--|--------|
| Relinquished by: | Date/Time: | Received by: | Date/Time: | Turn Around Time | (Check) | Notes: |
|  | 3/11/21 1345 |  | 3-11-21 17:00 | Same Day | 72 hours <input checked="" type="checkbox"/> | |
| Relinquished by: | Date/Time: | Received by: | Date/Time: | 24 hours | Standard <input type="checkbox"/> | |
| Relinquished by: | Date/Time: | Received by: | Date/Time: | 48 hours | | |
| | | | | Sample Integrity: | | |
| | | | | Temperature Upon Receipt: | | 4.3 |
| | | | | Samples Intact: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | | |

Sample Receipt Checklist

S2 Work Order 2103222

Client: DCP/Tasman

Client Project ID: Mewbourn

Shipped Via: H.D./P.U./FedEx/UPS/USPS/Other

Airbill #: _____

Matrix (check all that apply):

☐ Air

☒ Soil/Solid

☐ Water

☐ Other: _____

(Describe)

| | |
|-----------|-----|
| Temp (°C) | 4.3 |
|-----------|-----|

Thermometer ID: 61857155-K

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

Additional Comments (if any):

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

CS

Custodian Printed Name or Initials

Signature of Custodian

3/11/21

Date/Time



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

Project: DCP - Mewbourn

Project Number: [none]

Project Manager: Brian Humphrey

Reported:
03/25/21 11:06

MW06@11'
2103222-01 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/11/21 09:54**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | |
| Benzene | ND | 0.0020 | mg/kg | 1 | BEC0261 | 03/12/21 | 03/17/21 | 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: **03/11/21 09:54**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 80.3 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 115 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 103 % | 21-167 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/11/21 09:54**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | |
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | BEC0280 | 03/16/21 | 03/17/21 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | " | " | " | " | " | " | |

Date Sampled: **03/11/21 09:54**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |
| Surrogate: o-Terphenyl | | 98.2 % | 30-150 | | " | " | " | " | |

PAH by EPA Method 8270D SIM

Summit Scientific

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

Project: DCP - Mewbourn

Project Number: [none]

Project Manager: Brian Humphrey

Reported:
03/25/21 11:06

MW06@11'
2103222-01 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **03/11/21 09:54**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------|--------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| Acenaphthene | ND | 0.00500 | mg/kg | 1 | BEC0323 | 03/18/21 | 03/19/21 | EPA 8270D SIM | |
| 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 | " | " | " | " | " | " | |
| Naphthalene | ND | 0.00500 | " | " | " | " | " | " | |
| Pyrene | ND | 0.00500 | " | " | " | " | " | " | |
| 1-Methylnaphthalene | ND | 0.00500 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | ND | 0.00500 | " | " | " | " | " | " | |

Date Sampled: **03/11/21 09:54**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | | 79.9 % | 40-150 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | | 77.0 % | 40-150 | | " | " | " | " | |

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **03/11/21 09:54**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------|---------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Boron | 0.0884 | 0.0100 | mg/L | 1 | BEC0365 | 03/22/21 | 03/25/21 | EPA 6020B | |

Total Metals by EPA 6020B

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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

Project: DCP - Mewbourn
Project Number: [none]
Project Manager: Brian Humphrey

Reported:
03/25/21 11:06

MW06@11'
2103222-01 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Date Sampled: **03/11/21 09:54**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------|--------------|-----------|-----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Arsenic | 1.01 | 0.235 | mg/kg dry | 1 | BEC0322 | 03/18/21 | 03/20/21 | EPA 6020B | |
| Barium | 121 | 0.470 | " | " | " | " | " | " | |
| Cadmium | ND | 0.235 | " | " | " | " | " | " | |
| Copper | 7.08 | 0.470 | " | " | " | " | " | " | |
| Lead | 6.73 | 0.235 | " | " | " | " | " | " | |
| Nickel | 7.96 | 0.470 | " | " | " | " | " | " | |
| Selenium | 0.887 | 0.305 | " | " | " | " | " | " | |
| Silver | ND | 0.0235 | " | " | " | " | " | " | |
| Zinc | 39.5 | 0.470 | " | " | " | " | " | " | |

Hexavalent Chromium by EPA Method 7196

Date Sampled: **03/11/21 09:54**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------|-----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Chromium, Hexavalent | ND | 0.30 | mg/kg dry | 1 | BEC0340 | 03/19/21 | 03/22/21 | EPA 7196A | |

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **03/11/21 09:54**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------|-------------|-----------|-------|----------|---------|----------|----------|-------------|-------|
| | | Limit | Units | | | | | | |
| % Solids | 85.1 | | % | 1 | BEC0318 | 03/18/21 | 03/18/21 | Calculation | |

Summit Scientific

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

Project: DCP - Mewbourn

Project Number: [none]

Project Manager: Brian Humphrey

Reported:
03/25/21 11:06

MW06@23'
2103222-02 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/11/21 10:15**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | |
| Benzene | ND | 0.0020 | mg/kg | 1 | BEC0261 | 03/12/21 | 03/17/21 | 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: **03/11/21 10:15**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 85.2 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 121 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 101 % | 21-167 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/11/21 10:15**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | |
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | BEC0280 | 03/16/21 | 03/17/21 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | " | " | " | " | " | " | |

Date Sampled: **03/11/21 10:15**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |
| 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: DCP - Mewbourn

Project Number: [none]

Project Manager: Brian Humphrey

Reported:
03/25/21 11:06

MW06@23'
2103222-02 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **03/11/21 10:15**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------|--------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| Acenaphthene | ND | 0.00500 | mg/kg | 1 | BEC0323 | 03/18/21 | 03/19/21 | EPA 8270D SIM | |
| 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 | " | " | " | " | " | " | |
| Naphthalene | ND | 0.00500 | " | " | " | " | " | " | |
| Pyrene | ND | 0.00500 | " | " | " | " | " | " | |
| 1-Methylnaphthalene | ND | 0.00500 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | ND | 0.00500 | " | " | " | " | " | " | |

Date Sampled: **03/11/21 10:15**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | | 80.3 % | 40-150 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | | 76.6 % | 40-150 | | " | " | " | " | |

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **03/11/21 10:15**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------|--------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Boron | 0.147 | 0.0100 | mg/L | 1 | BEC0365 | 03/22/21 | 03/25/21 | EPA 6020B | |

Total Metals by EPA 6020B

Summit Scientific

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

Project: DCP - Mewbourn
Project Number: [none]
Project Manager: Brian Humphrey

Reported:
03/25/21 11:06

MW06@23'
2103222-02 (Soil)

Summit Scientific

Total Metals by EPA 6020B

Date Sampled: **03/11/21 10:15**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------|--------------|-----------|-----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Arsenic | 3.13 | 0.228 | mg/kg dry | 1 | BEC0322 | 03/18/21 | 03/20/21 | EPA 6020B | |
| Barium | 38.5 | 0.456 | " | " | " | " | " | " | |
| Cadmium | ND | 0.228 | " | " | " | " | " | " | |
| Copper | 5.22 | 0.456 | " | " | " | " | " | " | |
| Lead | 5.52 | 0.228 | " | " | " | " | " | " | |
| Nickel | 4.97 | 0.456 | " | " | " | " | " | " | |
| Selenium | 0.510 | 0.296 | " | " | " | " | " | " | |
| Silver | ND | 0.0228 | " | " | " | " | " | " | |
| Zinc | 27.1 | 0.456 | " | " | " | " | " | " | |

Hexavalent Chromium by EPA Method 7196

Date Sampled: **03/11/21 10:15**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------|-----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Chromium, Hexavalent | ND | 0.30 | mg/kg dry | 1 | BEC0340 | 03/19/21 | 03/22/21 | EPA 7196A | |

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **03/11/21 10:15**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------|-------------|-----------|-------|----------|---------|----------|----------|-------------|-------|
| | | Limit | Units | | | | | | |
| % Solids | 87.8 | | % | 1 | BEC0318 | 03/18/21 | 03/18/21 | Calculation | |

Summit Scientific

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

Project: DCP - Mewbourn
Project Number: [none]
Project Manager: Brian Humphrey

Reported:
03/25/21 11:06

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

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

Batch BEC0261 - EPA 5030 Soil MS

Blank (BEC0261-BLK1)

Prepared: 03/12/21 Analyzed: 03/17/21

| | | | | | | | | | | |
|----------------------------------|--------|--------|-------|--------|--|------|--------|--|--|--|
| 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 | " | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0290 | | " | 0.0400 | | 72.6 | 23-173 | | | |
| Surrogate: Toluene-d8 | 0.0482 | | " | 0.0400 | | 120 | 20-170 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.0421 | | " | 0.0400 | | 105 | 21-167 | | | |

LCS (BEC0261-BS1)

Prepared: 03/12/21 Analyzed: 03/17/21

| | | | | | | | | | | |
|----------------------------------|--------|--------|-------|--------|--|------|--------|--|--|--|
| Benzene | 0.0891 | 0.0020 | mg/kg | 0.100 | | 89.1 | 70-130 | | | |
| Toluene | 0.0895 | 0.0050 | " | 0.100 | | 89.5 | 70-130 | | | |
| Ethylbenzene | 0.0849 | 0.0050 | " | 0.100 | | 84.9 | 70-130 | | | |
| m,p-Xylene | 0.154 | 0.010 | " | 0.200 | | 77.0 | 70-130 | | | |
| o-Xylene | 0.0792 | 0.0050 | " | 0.100 | | 79.2 | 70-130 | | | |
| 1,2,4-Trimethylbenzene | 0.0808 | 0.0050 | " | 0.100 | | 80.8 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 0.0767 | 0.0050 | " | 0.100 | | 76.7 | 70-130 | | | |
| Naphthalene | 0.0878 | 0.0038 | " | 0.100 | | 87.8 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0246 | | " | 0.0400 | | 61.6 | 23-173 | | | |
| Surrogate: Toluene-d8 | 0.0429 | | " | 0.0400 | | 107 | 20-170 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.0387 | | " | 0.0400 | | 96.7 | 21-167 | | | |

Matrix Spike (BEC0261-MS1)

Source: 2103217-01

Prepared: 03/12/21 Analyzed: 03/17/21

| | | | | | | | | | | |
|----------------------------------|--------|--------|-------|--------|----|------|--------|--|--|--|
| Benzene | 0.0919 | 0.0020 | mg/kg | 0.100 | ND | 91.9 | 70-130 | | | |
| Toluene | 0.101 | 0.0050 | " | 0.100 | ND | 101 | 70-130 | | | |
| Ethylbenzene | 0.0928 | 0.0050 | " | 0.100 | ND | 92.8 | 70-130 | | | |
| m,p-Xylene | 0.171 | 0.010 | " | 0.200 | ND | 85.6 | 70-130 | | | |
| o-Xylene | 0.0858 | 0.0050 | " | 0.100 | ND | 85.8 | 70-130 | | | |
| 1,2,4-Trimethylbenzene | 0.0920 | 0.0050 | " | 0.100 | ND | 92.0 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 0.0871 | 0.0050 | " | 0.100 | ND | 87.1 | 70-130 | | | |
| Naphthalene | 0.0897 | 0.0038 | " | 0.100 | ND | 89.7 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0244 | | " | 0.0400 | | 61.1 | 23-173 | | | |
| Surrogate: Toluene-d8 | 0.0469 | | " | 0.0400 | | 117 | 20-170 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.0408 | | " | 0.0400 | | 102 | 21-167 | | | |

Summit Scientific

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

Project: DCP - Mewbourn

Project Number: [none]

Project Manager: Brian Humphrey

Reported:
03/25/21 11:06

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

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

Batch BEC0261 - EPA 5030 Soil MS

| Matrix Spike Dup (BEC0261-MSD1) | Source: 2103217-01 | | | Prepared: 03/12/21 Analyzed: 03/17/21 | | | | | | |
|----------------------------------|--------------------|--------|-------|---------------------------------------|----|------|--------|------|----|--|
| Benzene | 0.0705 | 0.0020 | mg/kg | 0.100 | ND | 70.5 | 70-130 | 26.3 | 30 | |
| Toluene | 0.103 | 0.0050 | " | 0.100 | ND | 103 | 70-130 | 1.59 | 30 | |
| Ethylbenzene | 0.0997 | 0.0050 | " | 0.100 | ND | 99.7 | 70-130 | 7.14 | 30 | |
| m,p-Xylene | 0.177 | 0.010 | " | 0.200 | ND | 88.5 | 70-130 | 3.31 | 30 | |
| o-Xylene | 0.0896 | 0.0050 | " | 0.100 | ND | 89.6 | 70-130 | 4.34 | 30 | |
| 1,2,4-Trimethylbenzene | 0.0940 | 0.0050 | " | 0.100 | ND | 94.0 | 70-130 | 2.19 | 30 | |
| 1,3,5-Trimethylbenzene | 0.0883 | 0.0050 | " | 0.100 | ND | 88.3 | 70-130 | 1.33 | 30 | |
| Naphthalene | 0.0963 | 0.0038 | " | 0.100 | ND | 96.3 | 70-130 | 7.10 | 30 | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0269 | | " | 0.0400 | | 67.3 | 23-173 | | | |
| Surrogate: Toluene-d8 | 0.0406 | | " | 0.0400 | | 102 | 20-170 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.0391 | | " | 0.0400 | | 97.6 | 21-167 | | | |

Summit Scientific

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

Project: DCP - Mewbourn

Project Number: [none]

Project Manager: Brian Humphrey

Reported:
03/25/21 11:06

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

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

Batch BEC0280 - EPA 3550A

Blank (BEC0280-BLK1)

Prepared & Analyzed: 03/16/21

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

LCS (BEC0280-BS1)

Prepared & Analyzed: 03/16/21

| | | | | | | |
|---------------|-----|----|-------|-----|-----|--------|
| C10-C28 (DRO) | 552 | 50 | mg/kg | 500 | 110 | 70-130 |
|---------------|-----|----|-------|-----|-----|--------|

Matrix Spike (BEC0280-MS1)

Source: 2103218-01

Prepared & Analyzed: 03/16/21

| | | | | | | | |
|---------------|-----|----|-------|-----|------|------|--------|
| C10-C28 (DRO) | 522 | 50 | mg/kg | 500 | 26.2 | 99.2 | 70-130 |
|---------------|-----|----|-------|-----|------|------|--------|

Matrix Spike Dup (BEC0280-MSD1)

Source: 2103218-01

Prepared & Analyzed: 03/16/21

| | | | | | | | | | |
|---------------|-----|----|-------|-----|------|------|--------|------|----|
| C10-C28 (DRO) | 458 | 50 | mg/kg | 500 | 26.2 | 86.4 | 70-130 | 13.1 | 20 |
|---------------|-----|----|-------|-----|------|------|--------|------|----|

Summit Scientific

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

Project: DCP - Mewbourn
Project Number: [none]
Project Manager: Brian Humphrey

Reported:
03/25/21 11:06

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

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

Batch BEC0323 - EPA 5030 Soil MS

Blank (BEC0323-BLK1)

Prepared: 03/18/21 Analyzed: 03/19/21

| | | | | | | | | | | |
|------------------------------------|--------|---------|-------|--------|--|------|--------|--|--|--|
| 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 | " | | | | | | | |
| Naphthalene | ND | 0.00500 | " | | | | | | | |
| Pyrene | ND | 0.00500 | " | | | | | | | |
| 1-Methylnaphthalene | ND | 0.00500 | " | | | | | | | |
| 2-Methylnaphthalene | ND | 0.00500 | " | | | | | | | |
| Surrogate: 2-Methylnaphthalene-d10 | 0.0368 | | " | 0.0333 | | 110 | 40-150 | | | |
| Surrogate: Fluoranthene-d10 | 0.0331 | | " | 0.0333 | | 99.2 | 40-150 | | | |

LCS (BEC0323-BS1)

Prepared: 03/18/21 Analyzed: 03/19/21

| | | | | | | | | | | |
|------------------------------------|--------|---------|-------|--------|--|------|--------|--|--|--|
| Acenaphthene | 0.0303 | 0.00500 | mg/kg | 0.0333 | | 90.8 | 31-137 | | | |
| Anthracene | 0.0303 | 0.00500 | " | 0.0333 | | 90.9 | 30-120 | | | |
| Benzo (a) anthracene | 0.0293 | 0.00500 | " | 0.0333 | | 87.9 | 30-120 | | | |
| Benzo (a) pyrene | 0.0306 | 0.00500 | " | 0.0333 | | 91.8 | 30-120 | | | |
| Benzo (b) fluoranthene | 0.0327 | 0.00500 | " | 0.0333 | | 98.2 | 30-120 | | | |
| Benzo (k) fluoranthene | 0.0311 | 0.00500 | " | 0.0333 | | 93.3 | 30-120 | | | |
| Chrysene | 0.0293 | 0.00500 | " | 0.0333 | | 87.9 | 30-120 | | | |
| Dibenz (a,h) anthracene | 0.0257 | 0.00500 | " | 0.0333 | | 77.0 | 30-120 | | | |
| Fluoranthene | 0.0299 | 0.00500 | " | 0.0333 | | 89.7 | 30-120 | | | |
| Fluorene | 0.0278 | 0.00500 | " | 0.0333 | | 83.3 | 30-120 | | | |
| Indeno (1,2,3-cd) pyrene | 0.0249 | 0.00500 | " | 0.0333 | | 74.7 | 30-120 | | | |
| Naphthalene | 0.0297 | 0.00500 | " | 0.0333 | | 89.2 | 30-120 | | | |
| Pyrene | 0.0267 | 0.00500 | " | 0.0333 | | 80.1 | 35-142 | | | |
| 1-Methylnaphthalene | 0.0291 | 0.00500 | " | 0.0333 | | 87.4 | 35-142 | | | |
| 2-Methylnaphthalene | 0.0323 | 0.00500 | " | 0.0333 | | 96.8 | 35-142 | | | |
| Surrogate: 2-Methylnaphthalene-d10 | 0.0333 | | " | 0.0333 | | 99.8 | 40-150 | | | |
| Surrogate: Fluoranthene-d10 | 0.0337 | | " | 0.0333 | | 101 | 40-150 | | | |

Summit Scientific

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

Project: DCP - Mewbourn

Project Number: [none]
Project Manager: Brian Humphrey

Reported:
03/25/21 11:06

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

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

Batch BEC0323 - EPA 5030 Soil MS

| Matrix Spike (BEC0323-MS1) | | Source: 2103126-01 | | Prepared: 03/18/21 | | Analyzed: 03/19/21 | |
|------------------------------------|--------|--------------------|-------|--------------------|----|--------------------|--------|
| Acenaphthene | 0.0334 | 0.00500 | mg/kg | 0.0333 | ND | 100 | 31-137 |
| Anthracene | 0.0343 | 0.00500 | " | 0.0333 | ND | 103 | 30-120 |
| Benzo (a) anthracene | 0.0329 | 0.00500 | " | 0.0333 | ND | 98.6 | 30-120 |
| Benzo (a) pyrene | 0.0344 | 0.00500 | " | 0.0333 | ND | 103 | 30-120 |
| Benzo (b) fluoranthene | 0.0365 | 0.00500 | " | 0.0333 | ND | 109 | 30-120 |
| Benzo (k) fluoranthene | 0.0349 | 0.00500 | " | 0.0333 | ND | 105 | 30-120 |
| Chrysene | 0.0327 | 0.00500 | " | 0.0333 | ND | 98.0 | 30-120 |
| Dibenz (a,h) anthracene | 0.0290 | 0.00500 | " | 0.0333 | ND | 87.0 | 30-120 |
| Fluoranthene | 0.0318 | 0.00500 | " | 0.0333 | ND | 95.3 | 30-120 |
| Fluorene | 0.0310 | 0.00500 | " | 0.0333 | ND | 92.9 | 30-120 |
| Indeno (1,2,3-cd) pyrene | 0.0278 | 0.00500 | " | 0.0333 | ND | 83.3 | 30-120 |
| Naphthalene | 0.0340 | 0.00500 | " | 0.0333 | ND | 102 | 30-120 |
| Pyrene | 0.0299 | 0.00500 | " | 0.0333 | ND | 89.8 | 35-142 |
| 1-Methylnaphthalene | 0.0343 | 0.00500 | " | 0.0333 | ND | 103 | 15-130 |
| 2-Methylnaphthalene | 0.0349 | 0.00500 | " | 0.0333 | ND | 105 | 15-130 |
| Surrogate: 2-Methylnaphthalene-d10 | 0.0371 | | " | 0.0333 | | 111 | 40-150 |
| Surrogate: Fluoranthene-d10 | 0.0350 | | " | 0.0333 | | 105 | 40-150 |

| Matrix Spike Dup (BEC0323-MSD1) | Source: 2103126-01 | | | Prepared: 03/18/21 | Analyzed: 03/19/21 | | | | |
|------------------------------------|--------------------|---------|-------|--------------------|--------------------|------|--------|-------|----|
| Acenaphthene | 0.0340 | 0.00500 | mg/kg | 0.0333 | ND | 102 | 31-137 | 1.82 | 30 |
| Anthracene | 0.0353 | 0.00500 | " | 0.0333 | ND | 106 | 30-120 | 2.87 | 30 |
| Benzo (a) anthracene | 0.0333 | 0.00500 | " | 0.0333 | ND | 99.9 | 30-120 | 1.34 | 30 |
| Benzo (a) pyrene | 0.0345 | 0.00500 | " | 0.0333 | ND | 104 | 30-120 | 0.486 | 30 |
| Benzo (b) fluoranthene | 0.0372 | 0.00500 | " | 0.0333 | ND | 112 | 30-120 | 2.06 | 30 |
| Benzo (k) fluoranthene | 0.0354 | 0.00500 | " | 0.0333 | ND | 106 | 30-120 | 1.42 | 30 |
| Chrysene | 0.0334 | 0.00500 | " | 0.0333 | ND | 100 | 30-120 | 2.19 | 30 |
| Dibenz (a,h) anthracene | 0.0296 | 0.00500 | " | 0.0333 | ND | 88.9 | 30-120 | 2.11 | 30 |
| Fluoranthene | 0.0331 | 0.00500 | " | 0.0333 | ND | 99.4 | 30-120 | 4.31 | 30 |
| Fluorene | 0.0285 | 0.00500 | " | 0.0333 | ND | 85.5 | 30-120 | 8.32 | 30 |
| Indeno (1,2,3-cd) pyrene | 0.0289 | 0.00500 | " | 0.0333 | ND | 86.8 | 30-120 | 4.17 | 30 |
| Naphthalene | 0.0346 | 0.00500 | " | 0.0333 | ND | 104 | 30-120 | 1.77 | 30 |
| Pyrene | 0.0300 | 0.00500 | " | 0.0333 | ND | 89.9 | 35-142 | 0.118 | 30 |
| 1-Methylnaphthalene | 0.0362 | 0.00500 | " | 0.0333 | ND | 109 | 15-130 | 5.42 | 50 |
| 2-Methylnaphthalene | 0.0375 | 0.00500 | " | 0.0333 | ND | 112 | 15-130 | 7.07 | 50 |
| Surrogate: 2-Methylnaphthalene-d10 | 0.0382 | | " | 0.0333 | | 115 | 40-150 | | |
| Surrogate: Fluoranthene-d10 | 0.0366 | | " | 0.0333 | | 110 | 40-150 | | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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

Project: DCP - Mewbourn
Project Number: [none]
Project Manager: Brian Humphrey

Reported:
03/25/21 11:06

Total Metals by EPA 6020B Hot Water Soluble Extraction - Quality Control
Summit Scientific

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

Batch BEC0365 - EPA 3050B

Blank (BEC0365-BLK1)

Prepared: 03/22/21 Analyzed: 03/24/21

Boron ND 0.0100 mg/L

LCS (BEC0365-BS1)

Prepared: 03/22/21 Analyzed: 03/24/21

Boron 5.19 0.0100 mg/L 5.00 104 80-120

Duplicate (BEC0365-DUP1)

Source: 2103178-01

Prepared: 03/22/21 Analyzed: 03/24/21

Boron 0.214 0.0100 mg/L 0.237 9.99 20

Matrix Spike (BEC0365-MS1)

Source: 2103178-01

Prepared: 03/22/21 Analyzed: 03/24/21

Boron 5.50 0.0100 mg/L 5.00 0.237 105 75-125

Matrix Spike Dup (BEC0365-MSD1)

Source: 2103178-01

Prepared: 03/22/21 Analyzed: 03/24/21

Boron 5.49 0.0100 mg/L 5.00 0.237 105 75-125 0.241 25

Summit Scientific

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

Project: DCP - Mewbourn
Project Number: [none]
Project Manager: Brian Humphrey

Reported:
03/25/21 11:06

Total Metals by EPA 6020B - Quality Control
Summit Scientific

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

Batch BEC0322 - EPA 3050B

Blank (BEC0322-BLK1)

Prepared: 03/18/21 Analyzed: 03/20/21

| | | | |
|----------|----|--------|-----------|
| Arsenic | ND | 0.200 | mg/kg wet |
| Barium | ND | 0.400 | " |
| Cadmium | ND | 0.200 | " |
| Copper | ND | 0.400 | " |
| Lead | ND | 0.200 | " |
| Nickel | ND | 0.400 | " |
| Selenium | ND | 0.260 | " |
| Silver | ND | 0.0200 | " |
| Zinc | ND | 0.400 | " |

LCS (BEC0322-BS1)

Prepared: 03/18/21 Analyzed: 03/20/21

| | | | | | | |
|----------|------|--------|-----------|------|------|--------|
| Arsenic | 45.9 | 0.200 | mg/kg wet | 40.0 | 115 | 80-120 |
| Barium | 36.7 | 0.400 | " | 40.0 | 91.8 | 80-120 |
| Cadmium | 2.04 | 0.200 | " | 2.00 | 102 | 80-120 |
| Copper | 36.7 | 0.400 | " | 40.0 | 91.7 | 80-120 |
| Lead | 18.4 | 0.200 | " | 20.0 | 92.0 | 80-120 |
| Nickel | 35.5 | 0.400 | " | 40.0 | 88.7 | 80-120 |
| Selenium | 4.03 | 0.260 | " | 4.00 | 101 | 80-120 |
| Silver | 1.79 | 0.0200 | " | 2.00 | 89.4 | 80-120 |
| Zinc | 47.2 | 0.400 | " | 40.0 | 118 | 80-120 |

Duplicate (BEC0322-DUP1)

Source: 2103180-01

Prepared: 03/18/21 Analyzed: 03/20/21

| | | | | | | |
|----------|--------|--------|-----------|--------|------|----|
| Arsenic | 1.78 | 0.225 | mg/kg dry | 1.90 | 6.37 | 30 |
| Barium | 78.1 | 0.450 | " | 81.4 | 4.22 | 30 |
| Cadmium | 0.100 | 0.225 | " | 0.106 | 5.66 | 30 |
| Copper | 5.96 | 0.450 | " | 6.15 | 3.00 | 30 |
| Lead | 4.69 | 0.225 | " | 5.70 | 19.5 | 30 |
| Nickel | 6.02 | 0.450 | " | 6.16 | 2.31 | 30 |
| Selenium | 0.646 | 0.292 | " | 0.599 | 7.61 | 30 |
| Silver | 0.0124 | 0.0225 | " | 0.0159 | 24.3 | 30 |
| Zinc | 24.0 | 0.450 | " | 24.3 | 1.07 | 30 |

Summit Scientific

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

Project: DCP - Mewbourn
Project Number: [none]
Project Manager: Brian Humphrey

Reported:
03/25/21 11:06

Total Metals by EPA 6020B - Quality Control
Summit Scientific

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

Batch BEC0322 - EPA 3050B

| Matrix Spike (BEC0322-MS1) | | Source: 2103180-01 | | | Prepared: 03/18/21 Analyzed: 03/20/21 | | | | | |
|----------------------------|------|--------------------|-----------|------|---------------------------------------|------|--------|--|--|--|
| Arsenic | 54.0 | 0.225 | mg/kg dry | 45.0 | 1.90 | 116 | 75-125 | | | |
| Barium | 119 | 0.450 | " | 45.0 | 81.4 | 83.6 | 75-125 | | | |
| Cadmium | 2.42 | 0.225 | " | 2.25 | 0.106 | 103 | 75-125 | | | |
| Copper | 47.3 | 0.450 | " | 45.0 | 6.15 | 91.6 | 75-125 | | | |
| Lead | 24.5 | 0.225 | " | 22.5 | 5.70 | 83.8 | 75-125 | | | |
| Nickel | 47.2 | 0.450 | " | 45.0 | 6.16 | 91.2 | 75-125 | | | |
| Selenium | 5.08 | 0.292 | " | 4.50 | 0.599 | 99.6 | 75-125 | | | |
| Silver | 2.01 | 0.0225 | " | 2.25 | 0.0159 | 88.9 | 75-125 | | | |
| Zinc | 74.8 | 0.450 | " | 45.0 | 24.3 | 112 | 75-125 | | | |

| Matrix Spike Dup (BEC0322-MSD1) | | Source: 2103180-01 | | | Prepared: 03/18/21 Analyzed: 03/20/21 | | | | | |
|---------------------------------|------|--------------------|-----------|------|---------------------------------------|------|--------|-------|----|--|
| Arsenic | 53.0 | 0.225 | mg/kg dry | 45.0 | 1.90 | 114 | 75-125 | 1.71 | 25 | |
| Barium | 124 | 0.450 | " | 45.0 | 81.4 | 94.8 | 75-125 | 4.13 | 25 | |
| Cadmium | 2.31 | 0.225 | " | 2.25 | 0.106 | 98.0 | 75-125 | 4.68 | 25 | |
| Copper | 46.7 | 0.450 | " | 45.0 | 6.15 | 90.2 | 75-125 | 1.29 | 25 | |
| Lead | 24.0 | 0.225 | " | 22.5 | 5.70 | 81.3 | 75-125 | 2.27 | 25 | |
| Nickel | 46.7 | 0.450 | " | 45.0 | 6.16 | 90.2 | 75-125 | 0.918 | 25 | |
| Selenium | 4.89 | 0.292 | " | 4.50 | 0.599 | 95.5 | 75-125 | 3.71 | 25 | |
| Silver | 1.95 | 0.0225 | " | 2.25 | 0.0159 | 86.0 | 75-125 | 3.24 | 25 | |
| Zinc | 74.5 | 0.450 | " | 45.0 | 24.3 | 112 | 75-125 | 0.387 | 25 | |

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

Project: DCP - Mewbourn

Project Number: [none]

Project Manager: Brian Humphrey

Reported:
03/25/21 11:06

Hexavalent Chromium by EPA Method 7196 - Quality Control

Summit Scientific

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

Batch BEC0340 - 3060A Mod

Blank (BEC0340-BLK1)

Prepared: 03/19/21 Analyzed: 03/22/21

Chromium, Hexavalent ND 0.30 mg/kg wet

LCS (BEC0340-BS1)

Prepared: 03/19/21 Analyzed: 03/22/21

Chromium, Hexavalent 23.2 0.30 mg/kg wet 25.0 93.0 80-120

Duplicate (BEC0340-DUP1)

Source: 2103180-01

Prepared: 03/19/21 Analyzed: 03/22/21

Chromium, Hexavalent ND 0.30 mg/kg dry ND 20

Matrix Spike (BEC0340-MS1)

Source: 2103180-01

Prepared: 03/19/21 Analyzed: 03/22/21

Chromium, Hexavalent 25.6 0.30 mg/kg dry 28.1 ND 91.0 75-125

Matrix Spike Dup (BEC0340-MSD1)

Source: 2103180-01

Prepared: 03/19/21 Analyzed: 03/22/21

Chromium, Hexavalent 25.4 0.30 mg/kg dry 28.1 ND 90.4 75-125 0.662 20

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

Project: DCP - Mewbourn

Project Number: [none]

Project Manager: Brian Humphrey

Reported:
03/25/21 11:06

Physical Parameters by APHA/ASTM/EPA Methods - Quality Control

Summit Scientific

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

Batch BEC0318 - General Preparation

Duplicate (BEC0318-DUP1)

Source: 2103221-01

Prepared & Analyzed: 03/18/21

| | | | | | |
|----------|------|---|------|------|----|
| % Solids | 97.3 | % | 97.3 | 0.00 | 20 |
|----------|------|---|------|------|----|

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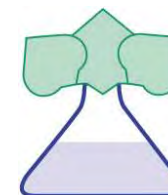
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American Agricultural Laboratory, Inc.

700 West D Street / PO Box 370 / McCook, Nebraska 69001

Office: 308-345-3670 / FAX: 308-345-7880

www.AmAgLab.com



20491

SUMMIT SCIENTIFIC

4653 TABLE MOUNTAIN DRIVE, SUITE B

GOLDEN CO 80403

NAME : 2103222

DATE RECEIVED: 03/19/2021

DATE REPORTED: 03/25/2021

SOIL TEST RESULTS

| LAB NUMBER | FIELD IDENTIFICATION | SAMPLE IDENTIFICATION | Depth Inches | pH | | EL | SOLUBLE SALTS mod. SP mmhos/cm | OM LOI % | NITRATE-N (FIA) | | PHOSPHORUS | | | | |
|---------------|-------------------------|--------------------------|-----------------|---------------|--------------------|----|---|----------------|--------------------|-------|------------|---------------|-----------|-----------|-----------|
| | | | | 1 : 1 Soil | Buffer Woodruff | | | | ppm | lbs/A | P1 ppm | Bicarb ppm | P2 ppm | M2 ppm | M3 ppm |
| 3326753 | MW06 AT 11 | | 0-132 | | | | | | | | | | | | |
| 3326754 | MW06 AT 23 | | 0-276 | | | | | | | | | | | | |

| LAB NUMBER | SULFATE-S Ca-P ppm | NH4OAc (Exchangeable) | | | | DTPA | | | | BORON Sorbitol ppm | EST. CATION EXCHANGE CAPACITY (CEC) me/100g | % SATURATION | | | | | |
|---------------|--------------------------|-----------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--------------------------|--|--------------|---|----|----|---|----|
| | | K ppm | Ca ppm | Mg ppm | Na ppm | Zn ppm | Fe ppm | Mn ppm | Cu ppm | | | BASE | H | Ca | Mg | K | Na |
| 3326753 | | | | | | | | | | | | | | | | | |
| 3326754 | | | | | | | | | | | | | | | | | |

| LAB NUMBER | SOLUBLE (SAT. EXT.) | | | SODIUM ADSORPTION RATIO (SAR) | EXCH. SODIUM PERCENT (ESP) | GYPSUM REQ T/A | PARTICLE SIZE ANALYSIS | | | | CHLORIDE | | EXCH. NH4-N | | ALUMINUM ppm | TOTAL N % |
|---------------|---------------------|------------|------------|--|-------------------------------------|----------------------|------------------------|-----------|-----------|-----------------|----------|-------|-------------|-------|-----------------|-----------------|
| | Ca me/L | Mg me/L | Na me/L | | | | SAND % | SILT % | CLAY % | SOIL TEXTURE | ppm | lbs/A | ppm | lbs/A | | |
| 3326753 | 2.73 | 0.71 | 3.94 | 3.00 | 3 | 0 | | | | | | | | | | |
| 3326754 | 3.93 | 1.36 | 4.14 | 2.55 | 3 | 0 | | | | | | | | | | |

SUGGESTED FERTILIZER RECOMMENDATIONS

| LAB NUMBER | FIELD IDENTIFICATION | SAMPLE IDENTIFICATION | CROP TO BE GROWN | YIELD GOAL | N | P2O5 | K2O | S | Zn | MgO | Fe | Mn | Cu | B | Cl | LIME REC 60% ECCE T/A |
|---------------|-------------------------|--------------------------|---------------------|---------------|---|------|-----|---|----|-----|----|----|----|---|----|-----------------------------|
| 3326753 | MW06 AT 11 | | | | | | | | | | | | | | | |
| 3326754 | MW06 AT 23 | | | | | | | | | | | | | | | |

Approved By: Kevin Grooms

Analysis By: American Agricultural Lab

Recommendations By: American Agricultural Lab

American Agricultural Laboratory, Inc.

700 West D St. / P.O. Box 370 / McCook, Nebraska 69001

Office: 308-345-3670 / FAX: 308-345-7880 / www.AmAgLab.com

"Analysis You Can Grow With"®



SUMMIT SCIENTIFIC
4653 TABLE MOUNTAIN DRIVE SUITE B
GOLDEN, CO 80403

ACCOUNT NO: 20491
DATE RECEIVED: 03/19/2021
DATE REPORTED: 03/23/2021

SATURATED PASTE EXTRACT ANALYSIS

| Lab No. | Grower | Sample ID | Depth inches | pH s.u. | Soluble Salts mmhos/cm |
|---------|---------|-----------|-----------------|------------|---------------------------|
| 3326753 | 2103222 | MW06@11' | 0-132 | 8.1 | 0.40 |
| 3326754 | 2103222 | MW06@23' | 0-276 | 8.0 | 0.51 |

By: Electronically Approved Kevin Grooms



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

Project: DCP - Mewbourn

Project Number: [none]

Project Manager: Brian Humphrey

Reported:
03/25/21 11:06

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 |

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

April 13, 2021

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

RE: Mewbourn

Work Order #2104031

Enclosed are the results of analyses for samples received by Summit Scientific on 04/02/21 17:36. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read 'P. Shrewsbury', with a stylized, cursive script.

Paul Shrewsbury
President



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

Project: Mewbourn
Project Number: [none]
Project Manager: Brian Humphrey

Reported:
04/13/21 15:13

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|---------------|---------------|--------|----------------|----------------|
| Ditch Soil-01 | 2104031-01 | Soil | 04/02/21 09:50 | 04/02/21 17:36 |
| Spoil Soil-01 | 2104031-02 | Soil | 04/02/21 10:00 | 04/02/21 17:36 |

Summit Scientific

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Summit Scientific

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 119th Ave

City/State/Zip: Broomfield, CO 80020

Phone: 303-487-1228 Fax:

Sampler Name: Brian Gabel

Project Manager: Brian Humphrey / Steve Weather / Chandler Celp / Jeb Watts

E-Mail: bhumphrey@tasman-geo.com / sweathers@dcpridstream.com /

Project Name: Melbourne cecile@dcpridstream.com / jwatts@tasman-geo.com

Project Number:

| Sample Description | Date Sampled | Time Sampled | Number of Containers | Preservative | | | | Matrix | | Analyze For: | | | | | | | | Special Instructions |
|---|--------------|--------------|----------------------|---|------------------|------|-----------------|---|------|-------------------------|-----------------|----------------|---------------|------|-------------|--|---|----------------------|
| | | | | HCl | HNO ₃ | None | Other (Specify) | Groundwater | Soil | Air - Canister Serial # | Other (Specify) | Table 915 VOCs | Table 915 TPH | PAHs | Naphthalene | EC, SAR, PH, Biorog | | |
| Ditch Soil - 01 | 4/2/21 | 0950 | 3 | | | X | | | X | | | | X | X | X | X | X | SAME DAY |
| Spill Soil - 01 | 4/2/21 | 1000 | 3 | | | X | | | X | | | | X | X | X | X | | |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| Relinquished by: <u>Rin Stahl</u> Date/Time: <u>4/2/21 1130</u> | | | | Received by: <u>Josh Brown</u> Date/Time: <u>4/2/21 16:36</u> | | | | Turn Around Time (Check) | | | | | | | | Notes: PAHs = benz(a)anthracene 1 and 2 methyl naphthalene Fluorene | | |
| Relinquished by: <u></u> Date/Time: <u></u> | | | | Received by: <u></u> Date/Time: <u></u> | | | | Same Day <input checked="" type="checkbox"/> 72 Hours <input type="checkbox"/> 24 Hours <input checked="" type="checkbox"/> Standard <input type="checkbox"/> 48 Hours <input type="checkbox"/> | | | | | | | | | | |
| Relinquished by: <u></u> Date/Time: <u></u> | | | | Received in Lab by: <u></u> Date/Time: <u></u> | | | | Sample Integrity: <u>17</u> Temperature Upon Receipt: <u></u> Intact: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | | | | | | | | | | |

Sample Receipt Checklist

S2 Work Order 2104031

Client: DLP / Tasman

Client Project ID: Mewbourn

Shipped Via: ☐ H.D./P.U./FedEx/UPS/USPS/Other ☐ Airbill #: _____

Matrix (check all that apply): ☐ Air ☒ Soil/Solid ☐ Water ☐ Other: _____
(Describe)

Temp (°C) 17

Thermometer ID: 61857155-K

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

Additional Comments (if any):

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

JB
Custodian Printed Name or Initials

John Bm
Signature of Custodian

4/2/21
Date/Time

18:50



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

Project: Mewbourn
Project Number: [none]
Project Manager: Brian Humphrey

Reported:
04/13/21 15:13

Ditch Soil-01
2104031-01 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/02/21 09:50**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | ND | 0.0020 | mg/kg | 1 | BED0048 | 04/02/21 | 04/03/21 | 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: **04/02/21 09:50**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 106 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 82.5 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 77.0 % | 21-167 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **04/02/21 09:50**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | BED0049 | " | 04/03/21 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | " | " | " | " | " | " | |

Date Sampled: **04/02/21 09:50**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: o-Terphenyl | | 107 % | 30-150 | | " | " | " | " | |

PAH by EPA Method 8270D SIM

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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

Project: Mewbourn
Project Number: [none]
Project Manager: Brian Humphrey

Reported:
04/13/21 15:13

Ditch Soil-01
2104031-01 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **04/02/21 09:50**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| Benzo (a) anthracene | ND | 0.00500 | mg/kg | 1 | BED0063 | 04/05/21 | 04/06/21 | EPA 8270D SIM | |
| Fluorene | ND | 0.00500 | " | " | " | " | " | " | |
| 1-Methylnaphthalene | ND | 0.00500 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | ND | 0.00500 | " | " | " | " | " | " | |

Date Sampled: **04/02/21 09:50**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | | 68.6 % | 40-150 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | | 69.8 % | 40-150 | | " | " | " | " | |

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **04/02/21 09:50**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Boron | 0.230 | 0.0100 | mg/L | 1 | BED0172 | 04/09/21 | 04/11/21 | EPA 6020B | |

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **04/02/21 09:50**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|-------------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Calcium | 30.4 | 0.0633 | mg/L dry | 1 | BED0168 | 04/09/21 | 04/13/21 | EPA 6020B | |
| Magnesium | 19.1 | 0.0633 | " | " | " | " | " | " | |
| Sodium | 73.1 | 0.0633 | " | " | " | " | " | " | |

Calculated Analysis

Date Sampled: **04/02/21 09:50**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|-------------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 2.56 | 0.100 | units | 1 | BED0223 | 04/13/21 | 04/13/21 | Calculation | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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

Project: Mewbourn
Project Number: [none]
Project Manager: Brian Humphrey

Reported:
04/13/21 15:13

Ditch Soil-01
2104031-01 (Soil)

Summit Scientific

Calculated Analysis

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **04/02/21 09:50**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|--------------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | 79.0 | | % | 1 | BED0053 | 04/05/21 | 04/06/21 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **04/02/21 09:50**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|--------------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.765 | 0.0100 | mmhos/cm | 1 | BED0200 | 04/12/21 | 04/12/21 | EPA 120.1 | |

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **04/02/21 09:50**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|--------------------|----------|----------|---------|----------|----------|-----------|-------|
| pH | 7.83 | | pH Units | 1 | BED0201 | 04/12/21 | 04/12/21 | EPA 9045D | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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

Project: Mewbourn
Project Number: [none]
Project Manager: Brian Humphrey

Reported:
04/13/21 15:13

Spoil Soil-01
2104031-02 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/02/21 10:00**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | |
| Benzene | ND | 0.0020 | mg/kg | 1 | BED0048 | 04/02/21 | 04/03/21 | 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: **04/02/21 10:00**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 105 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 80.9 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 76.3 % | 21-167 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **04/02/21 10:00**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | |
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | BED0049 | " | 04/03/21 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | " | " | " | " | " | " | |

Date Sampled: **04/02/21 10:00**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |
| Surrogate: o-Terphenyl | | 129 % | 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: Brian Humphrey

Reported:
04/13/21 15:13

Spoil Soil-01
2104031-02 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **04/02/21 10:00**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------|-------|----------|---------|----------|----------|---------------|-------|
| | | Limit | | | | | | | |
| Benzo (a) anthracene | ND | 0.00500 | mg/kg | 1 | BED0063 | 04/05/21 | 04/06/21 | EPA 8270D SIM | |
| Fluorene | ND | 0.00500 | " | " | " | " | " | " | |
| 1-Methylnaphthalene | ND | 0.00500 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | ND | 0.00500 | " | " | " | " | " | " | |

Date Sampled: **04/02/21 10:00**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |
| Surrogate: 2-Methylnaphthalene-d10 | | 75.2 % | 40-150 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | | 72.5 % | 40-150 | | " | " | " | " | |

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **04/02/21 10:00**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------|--------------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | |
| Boron | 0.229 | 0.0100 | mg/L | 1 | BED0172 | 04/09/21 | 04/11/21 | EPA 6020B | |

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **04/02/21 10:00**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------|-------------|-----------|----------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | |
| Calcium | 73.0 | 0.0556 | mg/L dry | 1 | BED0168 | 04/09/21 | 04/13/21 | EPA 6020B | |
| Magnesium | 26.0 | 0.0556 | " | " | " | " | " | " | |
| Sodium | 95.1 | 0.0556 | " | " | " | " | " | " | |

Calculated Analysis

Date Sampled: **04/02/21 10:00**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------|-------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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

Project: Mewbourn
Project Number: [none]
Project Manager: Brian Humphrey

Reported:
04/13/21 15:13

Spoil Soil-01
2104031-02 (Soil)

Summit Scientific

Calculated Analysis

| | | | | | | | | |
|-------------------------|------|-------|-------|---|---------|----------|----------|-------------|
| Sodium Adsorption Ratio | 2.43 | 0.100 | units | 1 | BED0223 | 04/13/21 | 04/13/21 | Calculation |
|-------------------------|------|-------|-------|---|---------|----------|----------|-------------|

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **04/02/21 10:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | 89.9 | | % | 1 | BED0053 | 04/05/21 | 04/06/21 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **04/02/21 10:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 1.39 | 0.0100 | mmhos/cm | 1 | BED0200 | 04/12/21 | 04/12/21 | EPA 120.1 | |

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **04/02/21 10:00**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH | 7.66 | | pH Units | 1 | BED0201 | 04/12/21 | 04/12/21 | EPA 9045D | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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

Project: Mewbourn
Project Number: [none]
Project Manager: Brian Humphrey

Reported:
04/13/21 15:13

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

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

Batch BED0048 - EPA 5030 Soil MS

Blank (BED0048-BLK1)

Prepared & Analyzed: 04/02/21

| | | | | | | | | | | |
|----------------------------------|--------|--------|-------|--------|--|------|--------|--|--|--|
| 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 | " | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0426 | | " | 0.0400 | | 106 | 23-173 | | | |
| Surrogate: Toluene-d8 | 0.0326 | | " | 0.0400 | | 81.4 | 20-170 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.0321 | | " | 0.0400 | | 80.3 | 21-167 | | | |

LCS (BED0048-BS1)

Prepared & Analyzed: 04/02/21

| | | | | | | | | | | |
|----------------------------------|--------|--------|-------|--------|--|------|--------|--|--|--|
| Benzene | 0.103 | 0.0020 | mg/kg | 0.100 | | 103 | 70-130 | | | |
| Toluene | 0.0958 | 0.0050 | " | 0.100 | | 95.8 | 70-130 | | | |
| Ethylbenzene | 0.114 | 0.0050 | " | 0.100 | | 114 | 70-130 | | | |
| m,p-Xylene | 0.224 | 0.010 | " | 0.200 | | 112 | 70-130 | | | |
| o-Xylene | 0.114 | 0.0050 | " | 0.100 | | 114 | 70-130 | | | |
| 1,2,4-Trimethylbenzene | 0.108 | 0.0050 | " | 0.100 | | 108 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 0.102 | 0.0050 | " | 0.100 | | 102 | 70-130 | | | |
| Naphthalene | 0.0960 | 0.0038 | " | 0.100 | | 96.0 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0430 | | " | 0.0400 | | 108 | 23-173 | | | |
| Surrogate: Toluene-d8 | 0.0331 | | " | 0.0400 | | 82.7 | 20-170 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.0297 | | " | 0.0400 | | 74.2 | 21-167 | | | |

Matrix Spike (BED0048-MS1)

Source: 2104030-01

Prepared & Analyzed: 04/02/21

| | | | | | | | | | | |
|----------------------------------|--------|--------|-------|--------|---------|------|--------|--|--|--|
| Benzene | 0.104 | 0.0020 | mg/kg | 0.100 | ND | 104 | 70-130 | | | |
| Toluene | 0.0975 | 0.0050 | " | 0.100 | ND | 97.5 | 70-130 | | | |
| Ethylbenzene | 0.0925 | 0.0050 | " | 0.100 | ND | 92.5 | 70-130 | | | |
| m,p-Xylene | 0.184 | 0.010 | " | 0.200 | 0.00423 | 90.1 | 70-130 | | | |
| o-Xylene | 0.0950 | 0.0050 | " | 0.100 | ND | 95.0 | 70-130 | | | |
| 1,2,4-Trimethylbenzene | 0.0899 | 0.0050 | " | 0.100 | ND | 89.9 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 0.0840 | 0.0050 | " | 0.100 | ND | 84.0 | 70-130 | | | |
| Naphthalene | 0.0880 | 0.0038 | " | 0.100 | ND | 88.0 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0425 | | " | 0.0400 | | 106 | 23-173 | | | |
| Surrogate: Toluene-d8 | 0.0331 | | " | 0.0400 | | 82.7 | 20-170 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.0318 | | " | 0.0400 | | 79.4 | 21-167 | | | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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

Project: Mewbourn
Project Number: [none]
Project Manager: Brian Humphrey

Reported:
04/13/21 15:13

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

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

Batch BED0048 - EPA 5030 Soil MS

| Matrix Spike Dup (BED0048-MSD1) | Source: 2104030-01 | | | Prepared & Analyzed: 04/02/21 | | | | | | |
|----------------------------------|--------------------|--------|-------|-------------------------------|---------|------|--------|-------|----|--|
| Benzene | 0.0986 | 0.0020 | mg/kg | 0.100 | ND | 98.6 | 70-130 | 5.13 | 30 | |
| Toluene | 0.0933 | 0.0050 | " | 0.100 | ND | 93.3 | 70-130 | 4.34 | 30 | |
| Ethylbenzene | 0.0899 | 0.0050 | " | 0.100 | ND | 89.9 | 70-130 | 2.83 | 30 | |
| m,p-Xylene | 0.182 | 0.010 | " | 0.200 | 0.00423 | 88.7 | 70-130 | 1.57 | 30 | |
| o-Xylene | 0.0912 | 0.0050 | " | 0.100 | ND | 91.2 | 70-130 | 4.09 | 30 | |
| 1,2,4-Trimethylbenzene | 0.0908 | 0.0050 | " | 0.100 | ND | 90.8 | 70-130 | 0.897 | 30 | |
| 1,3,5-Trimethylbenzene | 0.0862 | 0.0050 | " | 0.100 | ND | 86.2 | 70-130 | 2.64 | 30 | |
| Naphthalene | 0.0923 | 0.0038 | " | 0.100 | ND | 92.3 | 70-130 | 4.79 | 30 | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0420 | | " | 0.0400 | | 105 | 23-173 | | | |
| Surrogate: Toluene-d8 | 0.0363 | | " | 0.0400 | | 90.8 | 20-170 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.0344 | | " | 0.0400 | | 86.0 | 21-167 | | | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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

Project: Mewbourn
Project Number: [none]
Project Manager: Brian Humphrey

Reported:
04/13/21 15:13

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

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

Batch BED0049 - EPA 3550A

Blank (BED0049-BLK1)

Prepared & Analyzed: 04/02/21

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

LCS (BED0049-BS1)

Prepared & Analyzed: 04/02/21

| | | | | | | |
|---------------|-----|----|-------|-----|-----|--------|
| C10-C28 (DRO) | 548 | 50 | mg/kg | 500 | 110 | 70-130 |
|---------------|-----|----|-------|-----|-----|--------|

Matrix Spike (BED0049-MS1)

Source: 2104030-01

Prepared & Analyzed: 04/02/21

| | | | | | | | |
|---------------|-----|----|-------|-----|------|------|--------|
| C10-C28 (DRO) | 463 | 50 | mg/kg | 500 | 13.9 | 89.9 | 70-130 |
|---------------|-----|----|-------|-----|------|------|--------|

Matrix Spike Dup (BED0049-MSD1)

Source: 2104030-01

Prepared & Analyzed: 04/02/21

| | | | | | | | | | |
|---------------|-----|----|-------|-----|------|------|--------|------|----|
| C10-C28 (DRO) | 449 | 50 | mg/kg | 500 | 13.9 | 87.0 | 70-130 | 3.11 | 20 |
|---------------|-----|----|-------|-----|------|------|--------|------|----|

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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

Project: Mewbourn
Project Number: [none]
Project Manager: Brian Humphrey

Reported:
04/13/21 15:13

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

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

Batch BED0063 - EPA 5030 Soil MS

Blank (BED0063-BLK1)

Prepared & Analyzed: 04/05/21

| | | | | | | | | | | |
|------------------------------------|--------|---------|-------|--------|--|------|--------|--|--|--|
| 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 | 0.0318 | | " | 0.0333 | | 95.4 | 40-150 | | | |
| Surrogate: Fluoranthene-d10 | 0.0309 | | " | 0.0333 | | 92.8 | 40-150 | | | |

LCS (BED0063-BS1)

Prepared & Analyzed: 04/05/21

| | | | | | | | | | | |
|------------------------------------|--------|---------|-------|--------|------|--------|--|--|--|--|
| Acenaphthene | 0.0359 | 0.00500 | mg/kg | 0.0333 | 108 | 31-137 | | | | |
| Anthracene | 0.0365 | 0.00500 | " | 0.0333 | 109 | 30-120 | | | | |
| Benzo (a) anthracene | 0.0323 | 0.00500 | " | 0.0333 | 96.8 | 30-120 | | | | |
| Benzo (a) pyrene | 0.0365 | 0.00500 | " | 0.0333 | 109 | 30-120 | | | | |
| Benzo (b) fluoranthene | 0.0343 | 0.00500 | " | 0.0333 | 103 | 30-120 | | | | |
| Benzo (k) fluoranthene | 0.0399 | 0.00500 | " | 0.0333 | 120 | 30-120 | | | | |
| Chrysene | 0.0346 | 0.00500 | " | 0.0333 | 104 | 30-120 | | | | |
| Dibenz (a,h) anthracene | 0.0320 | 0.00500 | " | 0.0333 | 96.1 | 30-120 | | | | |
| Fluoranthene | 0.0279 | 0.00500 | " | 0.0333 | 83.8 | 30-120 | | | | |
| Fluorene | 0.0194 | 0.00500 | " | 0.0333 | 58.1 | 30-120 | | | | |
| Indeno (1,2,3-cd) pyrene | 0.0306 | 0.00500 | " | 0.0333 | 91.7 | 30-120 | | | | |
| Pyrene | 0.0273 | 0.00500 | " | 0.0333 | 81.9 | 35-142 | | | | |
| 1-Methylnaphthalene | 0.0312 | 0.00500 | " | 0.0333 | 93.6 | 35-142 | | | | |
| 2-Methylnaphthalene | 0.0318 | 0.00500 | " | 0.0333 | 95.5 | 35-142 | | | | |
| Surrogate: 2-Methylnaphthalene-d10 | 0.0322 | | " | 0.0333 | 96.5 | 40-150 | | | | |
| Surrogate: Fluoranthene-d10 | 0.0344 | | " | 0.0333 | 103 | 40-150 | | | | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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

Project: Mewbourn
Project Number: [none]
Project Manager: Brian Humphrey

Reported:
04/13/21 15:13

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

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

Batch BED0063 - EPA 5030 Soil MS

Matrix Spike (BED0063-MS1)

Source: 2104030-01

Prepared & Analyzed: 04/05/21

| | | | | | | | | | | |
|------------------------------------|--------|---------|-------|--------|----|------|--------|--|--|--|
| Acenaphthene | 0.0372 | 0.00500 | mg/kg | 0.0333 | ND | 112 | 31-137 | | | |
| Anthracene | 0.0360 | 0.00500 | " | 0.0333 | ND | 108 | 30-120 | | | |
| Benzo (a) anthracene | 0.0325 | 0.00500 | " | 0.0333 | ND | 97.6 | 30-120 | | | |
| Benzo (a) pyrene | 0.0359 | 0.00500 | " | 0.0333 | ND | 108 | 30-120 | | | |
| Benzo (b) fluoranthene | 0.0349 | 0.00500 | " | 0.0333 | ND | 105 | 30-120 | | | |
| Benzo (k) fluoranthene | 0.0322 | 0.00500 | " | 0.0333 | ND | 96.5 | 30-120 | | | |
| Chrysene | 0.0351 | 0.00500 | " | 0.0333 | ND | 105 | 30-120 | | | |
| Dibenz (a,h) anthracene | 0.0319 | 0.00500 | " | 0.0333 | ND | 95.8 | 30-120 | | | |
| Fluoranthene | 0.0284 | 0.00500 | " | 0.0333 | ND | 85.2 | 30-120 | | | |
| Fluorene | 0.0238 | 0.00500 | " | 0.0333 | ND | 71.4 | 30-120 | | | |
| Indeno (1,2,3-cd) pyrene | 0.0309 | 0.00500 | " | 0.0333 | ND | 92.6 | 30-120 | | | |
| Pyrene | 0.0270 | 0.00500 | " | 0.0333 | ND | 81.0 | 35-142 | | | |
| 1-Methylnaphthalene | 0.0301 | 0.00500 | " | 0.0333 | ND | 90.2 | 15-130 | | | |
| 2-Methylnaphthalene | 0.0326 | 0.00500 | " | 0.0333 | ND | 97.8 | 15-130 | | | |
| Surrogate: 2-Methylnaphthalene-d10 | 0.0312 | | " | 0.0333 | | 93.5 | 40-150 | | | |
| Surrogate: Fluoranthene-d10 | 0.0353 | | " | 0.0333 | | 106 | 40-150 | | | |

Matrix Spike Dup (BED0063-MSD1)

Source: 2104030-01

Prepared & Analyzed: 04/05/21

| | | | | | | | | | | |
|------------------------------------|--------|---------|-------|--------|----|------|--------|--------|----|--|
| Acenaphthene | 0.0398 | 0.00500 | mg/kg | 0.0333 | ND | 119 | 31-137 | 6.64 | 30 | |
| Anthracene | 0.0387 | 0.00500 | " | 0.0333 | ND | 116 | 30-120 | 7.24 | 30 | |
| Benzo (a) anthracene | 0.0344 | 0.00500 | " | 0.0333 | ND | 103 | 30-120 | 5.59 | 30 | |
| Benzo (a) pyrene | 0.0359 | 0.00500 | " | 0.0333 | ND | 108 | 30-120 | 0.0595 | 30 | |
| Benzo (b) fluoranthene | 0.0345 | 0.00500 | " | 0.0333 | ND | 104 | 30-120 | 1.05 | 30 | |
| Benzo (k) fluoranthene | 0.0335 | 0.00500 | " | 0.0333 | ND | 101 | 30-120 | 4.25 | 30 | |
| Chrysene | 0.0372 | 0.00500 | " | 0.0333 | ND | 112 | 30-120 | 5.87 | 30 | |
| Dibenz (a,h) anthracene | 0.0339 | 0.00500 | " | 0.0333 | ND | 102 | 30-120 | 6.09 | 30 | |
| Fluoranthene | 0.0296 | 0.00500 | " | 0.0333 | ND | 88.7 | 30-120 | 4.12 | 30 | |
| Fluorene | 0.0243 | 0.00500 | " | 0.0333 | ND | 72.9 | 30-120 | 2.06 | 30 | |
| Indeno (1,2,3-cd) pyrene | 0.0324 | 0.00500 | " | 0.0333 | ND | 97.3 | 30-120 | 4.98 | 30 | |
| Pyrene | 0.0297 | 0.00500 | " | 0.0333 | ND | 89.1 | 35-142 | 9.48 | 30 | |
| 1-Methylnaphthalene | 0.0330 | 0.00500 | " | 0.0333 | ND | 98.9 | 15-130 | 9.23 | 50 | |
| 2-Methylnaphthalene | 0.0351 | 0.00500 | " | 0.0333 | ND | 105 | 15-130 | 7.29 | 50 | |
| Surrogate: 2-Methylnaphthalene-d10 | 0.0327 | | " | 0.0333 | | 98.2 | 40-150 | | | |
| Surrogate: Fluoranthene-d10 | 0.0360 | | " | 0.0333 | | 108 | 40-150 | | | |

Summit Scientific

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

Project: Mewbourn
Project Number: [none]
Project Manager: Brian Humphrey

Reported:
04/13/21 15:13

Total Metals by EPA 6020B Hot Water Soluble Extraction - Quality Control
Summit Scientific

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

Batch BED0172 - EPA 3050B

Blank (BED0172-BLK1)

Prepared: 04/09/21 Analyzed: 04/11/21

Boron ND 0.0100 mg/L

LCS (BED0172-BS1)

Prepared: 04/09/21 Analyzed: 04/11/21

Boron 5.06 0.0100 mg/L 5.00 101 80-120

Duplicate (BED0172-DUP1)

Source: 2104026-02

Prepared: 04/09/21 Analyzed: 04/11/21

Boron 0.146 0.0100 mg/L 0.155 5.39 20

Matrix Spike (BED0172-MS1)

Source: 2104026-02

Prepared: 04/09/21 Analyzed: 04/11/21

Boron 5.14 0.0100 mg/L 5.00 0.155 99.8 75-125

Matrix Spike Dup (BED0172-MSD1)

Source: 2104026-02

Prepared: 04/09/21 Analyzed: 04/11/21

Boron 5.13 0.0100 mg/L 5.00 0.155 99.5 75-125 0.214 25

Summit Scientific

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

Project: Mewbourn
Project Number: [none]
Project Manager: Brian Humphrey

Reported:
04/13/21 15:13

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction - Quality Control

Summit Scientific

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

Batch BED0168 - General Preparation

Blank (BED0168-BLK1)

Prepared: 04/09/21 Analyzed: 04/12/21

| | | | |
|-----------|----|--------|----------|
| Calcium | ND | 0.0500 | mg/L wet |
| Magnesium | ND | 0.0500 | " |
| Sodium | ND | 0.0500 | " |

LCS (BED0168-BS1)

Prepared: 04/09/21 Analyzed: 04/12/21

| | | | | | | |
|-----------|------|--------|----------|------|-----|--------|
| Calcium | 5.31 | 0.0500 | mg/L wet | 5.00 | 106 | 70-130 |
| Magnesium | 5.73 | 0.0500 | " | 5.00 | 115 | 70-130 |
| Sodium | 5.08 | 0.0500 | " | 5.00 | 102 | 70-130 |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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

Project: Mewbourn

Project Number: [none]

Project Manager: Brian Humphrey

Reported:

04/13/21 15:13

Physical Parameters by APHA/ASTM/EPA Methods - Quality Control

Summit Scientific

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

Batch BED0053 - General Preparation

Duplicate (BED0053-DUP1)

Source: 2103388-07

Prepared: 04/05/21 Analyzed: 04/06/21

| | | | | | |
|----------|------|---|------|---------|----|
| % Solids | 95.5 | % | 95.5 | 0.00469 | 20 |
|----------|------|---|------|---------|----|

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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

Project: Mewbourn
Project Number: [none]
Project Manager: Brian Humphrey

Reported:
04/13/21 15:13

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction - Quality Control
Summit Scientific

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

Batch BED0200 - General Preparation

Blank (BED0200-BLK1)

Prepared & Analyzed: 04/12/21

Specific Conductance (EC) ND 0.0100 mmhos/cm

LCS (BED0200-BS1)

Prepared & Analyzed: 04/12/21

Specific Conductance (EC) 0.158 0.0100 mmhos/cm 0.150 105 90-110

Duplicate (BED0200-DUP1)

Source: 2104021-01

Prepared & Analyzed: 04/12/21

Specific Conductance (EC) 5.55 0.0100 mmhos/cm 5.52 0.650 20

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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

Project: Mewbourn

Project Number: [none]

Project Manager: Brian Humphrey

Reported:

04/13/21 15:13

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction - Quality Control

Summit Scientific

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

Batch BED0201 - General Preparation

LCS (BED0201-BS1)

Prepared & Analyzed: 04/12/21

| | | | | | |
|----|------|----------|------|-----|--------|
| pH | 9.21 | pH Units | 9.21 | 100 | 95-105 |
|----|------|----------|------|-----|--------|

Duplicate (BED0201-DUP1)

Source: 2104021-01

Prepared & Analyzed: 04/12/21

| | | | | | |
|----|------|----------|------|------|----|
| pH | 7.79 | pH Units | 7.90 | 1.40 | 20 |
|----|------|----------|------|------|----|

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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

Project: Mewbourn

Project Number: [none]
Project Manager: Brian Humphrey

Reported:
04/13/21 15:13

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 |

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

April 16, 2021

Brian Humphrey
Tasman Geosciences
6855 W. 119th Ave.
Broomfield, CO 80020
RE: DCP - Mewbourn
Work Order #2104103

Enclosed are the results of analyses for samples received by Summit Scientific on 04/07/21 17:35. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read 'P. Shrewsbury', with a stylized, cursive script.

Paul Shrewsbury
President



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

Project: DCP - Mewbourn

Project Number: [none]

Project Manager: Brian Humphrey

Reported:
04/16/21 15:49

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------|---------------|--------|----------------|----------------|
| MW07@13' | 2104103-01 | Soil | 04/07/21 10:35 | 04/07/21 17:35 |
| MW07@23' | 2104103-02 | Soil | 04/07/21 10:43 | 04/07/21 17:35 |
| MW08@19' | 2104103-03 | Soil | 04/07/21 13:50 | 04/07/21 17:35 |
| MW08@23' | 2104103-04 | Soil | 04/07/21 13:55 | 04/07/21 17:35 |

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.

303-277-9310

Page 1 of 1

E-Mail: bhumphreys@tasman-globe.com; swweather@ediprincetown.com

juv. ABC human. age 1.0m

Project Name: DC-P Midstream

Project Number:

www.s2scientific.com

mwog; Hdd Selenium & Arsenic

Sample Receipt Checklist

S2 Work Order 2104103

Client: Tasman/DLP Client Project ID: DLP Midstream

Shipped Via: ☒ H.D./P.U./FedEx/UPS/USPS/Other ☐ Airbill #: _____

Matrix (check all that apply): ☒ Air ☒ Soil/Solid ☐ Water ☐ Other: _____
(Describe)

| | |
|-----------|------|
| Temp (°C) | 14.8 |
|-----------|------|

Thermometer ID: 61857155-K

| | Yes | No | N/A | Comments (if any) |
|---|-------------------------------------|--------------------------|-------------------------------------|-------------------|
| If samples require cooling, was the temperature at 4°C +/- 2°C ⁽¹⁾ ? NOTE: If samples are delivered the same day of sampling, this requirement is met provided that there is evidence that cooling has begun. | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | in ice |
| Were all samples received intact ⁽¹⁾ ? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Was adequate sample volume provided ⁽¹⁾ ? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| If custody seals are present, are they intact ⁽¹⁾ ? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| Are samples with holding times due within 48 hours sample due within 48 hours present? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 24hr |
| Is a chain-of-custody (COC) form present and filled out completely ⁽¹⁾ ? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Is the COC properly relinquished by the client w/ date and time recorded ⁽¹⁾ ? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| For volatiles in water – is there headspace present? If yes, contact client and note in narrative. | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| Are samples preserved that require preservation (excluding cooling) ⁽¹⁾ ? Note the type of preservative in the Comments column – HCl, H2SO4, NaOH, HNO3, ect | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| If samples are acid preserved for metals, is the pH ≤ 2 ⁽¹⁾ ? Record the pH in Comments. | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| If dissolved metals are requested, were samples field filtered? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |

Additional Comments (if any):

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

AT
Custodian Printed Name or Initials

[Signature]
Signature of Custodian

4.7.21
Date/Time



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

Project: DCP - Mewbourn

Project Number: [none]

Project Manager: Brian Humphrey

Reported:
04/16/21 15:49

MW07@13'
2104103-01 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/07/21 10:35**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | ND | 0.0020 | mg/kg | 1 | BED0122 | 04/07/21 | 04/08/21 | 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: **04/07/21 10:35**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 106 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 81.8 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 76.1 % | 21-167 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **04/07/21 10:35**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | BED0123 | 04/07/21 | 04/08/21 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | " | " | " | " | " | " | |

Date Sampled: **04/07/21 10:35**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: o-Terphenyl | | 104 % | 30-150 | | " | " | " | " | |

PAH by EPA Method 8270D SIM

Summit Scientific

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

Project: DCP - Mewbourn
Project Number: [none]
Project Manager: Brian Humphrey

Reported:
04/16/21 15:49

MW07@13'
2104103-01 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **04/07/21 10:35**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| Benzo (a) anthracene | ND | 0.00500 | mg/kg | 1 | BED0150 | 04/08/21 | 04/09/21 | EPA 8270D SIM | |
| Fluorene | ND | 0.00500 | " | " | " | " | " | " | |
| 1-Methylnaphthalene | ND | 0.00500 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | ND | 0.00500 | " | " | " | " | " | " | |

Date Sampled: **04/07/21 10:35**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | | 70.7 % | 40-150 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | | 72.2 % | 40-150 | | " | " | " | " | |

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **04/07/21 10:35**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Boron | 0.0573 | 0.0100 | mg/L | 1 | BED0193 | 04/12/21 | 04/12/21 | EPA 6020B | |

Total Metals by EPA 6020B

Date Sampled: **04/07/21 10:35**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------------|-----------|----------|---------|----------|----------|-----------|-------|
| Arsenic | 2.06 | 0.200 | mg/kg dry | 1 | BED0136 | 04/08/21 | 04/09/21 | EPA 6020B | |
| Selenium | 0.869 | 0.260 | " | " | " | " | " | " | |

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **04/07/21 10:35**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Calcium | 61.6 | 0.0615 | mg/L dry | 1 | BED0256 | 04/14/21 | 04/16/21 | EPA 6020B | |
| Magnesium | 12.9 | 0.0615 | " | " | " | " | " | " | |

Summit Scientific

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

Project: DCP - Mewbourn

Project Number: [none]

Project Manager: Brian Humphrey

Reported:
04/16/21 15:49

MW07@13'
2104103-01 (Soil)

Summit Scientific

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

| | | | | | | | | |
|--------|------|--------|----------|---|---------|----------|----------|-----------|
| Sodium | 43.5 | 0.0615 | mg/L dry | 1 | BED0256 | 04/14/21 | 04/16/21 | EPA 6020B |
|--------|------|--------|----------|---|---------|----------|----------|-----------|

Calculated Analysis

Date Sampled: **04/07/21 10:35**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 1.32 | 0.100 | units | 1 | BED0304 | 04/16/21 | 04/16/21 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **04/07/21 10:35**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | 81.3 | | % | 1 | BED0127 | 04/08/21 | 04/08/21 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **04/07/21 10:35**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.660 | 0.0100 | mmhos/cm | 1 | BED0285 | 04/15/21 | 04/15/21 | EPA 120.1 | |

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **04/07/21 10:35**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH | 8.16 | | pH Units | 1 | BED0286 | 04/15/21 | 04/15/21 | EPA 9045D | |

Summit Scientific

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

Project: DCP - Mewbourn
Project Number: [none]
Project Manager: Brian Humphrey

Reported:
04/16/21 15:49

MW07@23'
2104103-02 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/07/21 10:43**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | |
| Benzene | ND | 0.0020 | mg/kg | 1 | BED0122 | 04/07/21 | 04/08/21 | 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: **04/07/21 10:43**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 107 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 82.2 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 79.1 % | 21-167 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **04/07/21 10:43**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | |
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | BED0123 | 04/07/21 | 04/08/21 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | " | " | " | " | " | " | |

Date Sampled: **04/07/21 10:43**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |
| Surrogate: o-Terphenyl | | 114 % | 30-150 | | " | " | " | " | |

PAH by EPA Method 8270D SIM

Summit Scientific

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

Project: DCP - Mewbourn
Project Number: [none]
Project Manager: Brian Humphrey

Reported:
04/16/21 15:49

MW07@23'
2104103-02 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **04/07/21 10:43**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| Benzo (a) anthracene | ND | 0.00500 | mg/kg | 1 | BED0150 | 04/08/21 | 04/09/21 | EPA 8270D SIM | |
| Fluorene | ND | 0.00500 | " | " | " | " | " | " | |
| 1-Methylnaphthalene | ND | 0.00500 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | ND | 0.00500 | " | " | " | " | " | " | |

Date Sampled: **04/07/21 10:43**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | | 77.2 % | 40-150 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | | 81.2 % | 40-150 | | " | " | " | " | |

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **04/07/21 10:43**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|---------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Boron | 0.0691 | 0.0100 | mg/L | 1 | BED0193 | 04/12/21 | 04/12/21 | EPA 6020B | |

Total Metals by EPA 6020B

Date Sampled: **04/07/21 10:43**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|-------------|-----------------|-----------|----------|---------|----------|----------|-----------|-------|
| Arsenic | 7.83 | 0.200 | mg/kg dry | 1 | BED0136 | 04/08/21 | 04/09/21 | EPA 6020B | |
| Selenium | 1.21 | 0.260 | " | " | " | " | " | " | |

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **04/07/21 10:43**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|-------------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Calcium | 40.4 | 0.0606 | mg/L dry | 1 | BED0256 | 04/14/21 | 04/16/21 | EPA 6020B | |
| Magnesium | 8.62 | 0.0606 | " | " | " | " | " | " | |

Summit Scientific

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

Project: DCP - Mewbourn
Project Number: [none]
Project Manager: Brian Humphrey

Reported:
04/16/21 15:49

MW07@23'
2104103-02 (Soil)

Summit Scientific

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

| | | | | | | | | |
|--------|------|--------|----------|---|---------|----------|----------|-----------|
| Sodium | 50.6 | 0.0606 | mg/L dry | 1 | BED0256 | 04/14/21 | 04/16/21 | EPA 6020B |
|--------|------|--------|----------|---|---------|----------|----------|-----------|

Calculated Analysis

Date Sampled: **04/07/21 10:43**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 1.89 | 0.100 | units | 1 | BED0304 | 04/16/21 | 04/16/21 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **04/07/21 10:43**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | 82.5 | | % | 1 | BED0127 | 04/08/21 | 04/08/21 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **04/07/21 10:43**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.546 | 0.0100 | mmhos/cm | 1 | BED0285 | 04/15/21 | 04/15/21 | EPA 120.1 | |

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **04/07/21 10:43**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH | 8.29 | | pH Units | 1 | BED0286 | 04/15/21 | 04/15/21 | EPA 9045D | |

Summit Scientific

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

Project: DCP - Mewbourn
Project Number: [none]
Project Manager: Brian Humphrey

Reported:
04/16/21 15:49

MW08@19'
2104103-03 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/07/21 13:50**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | ND | 0.0020 | mg/kg | 1 | BED0122 | 04/07/21 | 04/08/21 | EPA 8260B | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | 0.24 | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | 1.1 | 0.010 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | 7.1 | 0.50 | " | 100 | " | " | 04/08/21 | " | |
| 1,3,5-Trimethylbenzene | 0.063 | 0.0050 | " | 1 | " | " | 04/08/21 | " | |
| Naphthalene | 0.020 | 0.0038 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | 1500 | 50 | " | 100 | " | " | 04/08/21 | " | |

Date Sampled: **04/07/21 13:50**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 168 % | 23-173 | | " | " | 04/08/21 | " | |
| Surrogate: Toluene-d8 | | 81.7 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 229 % | 21-167 | | " | " | " | " | S-02 |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **04/07/21 13:50**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | BED0123 | 04/07/21 | 04/08/21 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | " | " | " | " | " | " | |

Date Sampled: **04/07/21 13:50**

| 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: DCP - Mewbourn
Project Number: [none]
Project Manager: Brian Humphrey

Reported:
04/16/21 15:49

MW08@19'
2104103-03 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **04/07/21 13:50**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------|---------------|--------------------|-------|----------|---------|----------|----------|---------------|-------|
| Benzo (a) anthracene | ND | 0.00500 | mg/kg | 1 | BED0150 | 04/08/21 | 04/09/21 | EPA 8270D SIM | |
| Fluorene | 0.0156 | 0.00500 | " | " | " | " | " | " | |
| 1-Methylnaphthalene | 0.0923 | 0.00500 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | 0.190 | 0.00500 | " | " | " | " | " | " | |

Date Sampled: **04/07/21 13:50**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|--------------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | | 80.2 % | 40-150 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | | 75.1 % | 40-150 | | " | " | " | " | |

Summit Scientific

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

Project: DCP - Mewbourn
Project Number: [none]
Project Manager: Brian Humphrey

Reported:
04/16/21 15:49

MW08@23'
2104103-04 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/07/21 13:55**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|-------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | ND | 0.0020 | mg/kg | 1 | BED0122 | 04/07/21 | 04/08/21 | 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 | 0.57 | 0.50 | " | " | " | " | " | " | |

Date Sampled: **04/07/21 13:55**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 112 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 84.4 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 78.0 % | 21-167 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **04/07/21 13:55**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | BED0123 | 04/07/21 | 04/08/21 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | " | " | " | " | " | " | |

Date Sampled: **04/07/21 13:55**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: o-Terphenyl | | 112 % | 30-150 | | " | " | " | " | |

PAH by EPA Method 8270D SIM

Summit Scientific

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

Project: DCP - Mewbourn
Project Number: [none]
Project Manager: Brian Humphrey

Reported:
04/16/21 15:49

MW08@23'
2104103-04 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **04/07/21 13:55**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------|-------|----------|---------|----------|----------|---------------|-------|
| | | Limit | | | | | | | |
| Benzo (a) anthracene | ND | 0.00500 | mg/kg | 1 | BED0150 | 04/08/21 | 04/09/21 | EPA 8270D SIM | |
| Fluorene | ND | 0.00500 | " | " | " | " | " | " | |
| 1-Methylnaphthalene | ND | 0.00500 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | ND | 0.00500 | " | " | " | " | " | " | |

Date Sampled: **04/07/21 13:55**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |
| Surrogate: 2-Methylnaphthalene-d10 | | 64.2 % | 40-150 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | | 71.2 % | 40-150 | | " | " | " | " | |

Summit Scientific

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

Project: DCP - Mewbourn

Project Number: [none]

Project Manager: Brian Humphrey

Reported:
04/16/21 15:49

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

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

Batch BED0122 - EPA 5030 Soil MS

Blank (BED0122-BLK1)

Prepared: 04/07/21 Analyzed: 04/08/21

| | | | | | | | | | | |
|----------------------------------|--------|--------|-------|--------|--|------|--------|--|--|--|
| 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 | " | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0428 | | " | 0.0400 | | 107 | 23-173 | | | |
| Surrogate: Toluene-d8 | 0.0325 | | " | 0.0400 | | 81.3 | 20-170 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.0310 | | " | 0.0400 | | 77.5 | 21-167 | | | |

LCS (BED0122-BS1)

Prepared: 04/07/21 Analyzed: 04/08/21

| | | | | | | | | | | |
|----------------------------------|--------|--------|-------|--------|--|------|--------|--|--|--|
| Benzene | 0.101 | 0.0020 | mg/kg | 0.100 | | 101 | 70-130 | | | |
| Toluene | 0.0945 | 0.0050 | " | 0.100 | | 94.5 | 70-130 | | | |
| Ethylbenzene | 0.115 | 0.0050 | " | 0.100 | | 115 | 70-130 | | | |
| m,p-Xylene | 0.231 | 0.010 | " | 0.200 | | 116 | 70-130 | | | |
| o-Xylene | 0.118 | 0.0050 | " | 0.100 | | 118 | 70-130 | | | |
| 1,2,4-Trimethylbenzene | 0.114 | 0.0050 | " | 0.100 | | 114 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 0.108 | 0.0050 | " | 0.100 | | 108 | 70-130 | | | |
| Naphthalene | 0.0911 | 0.0038 | " | 0.100 | | 91.1 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0422 | | " | 0.0400 | | 106 | 23-173 | | | |
| Surrogate: Toluene-d8 | 0.0329 | | " | 0.0400 | | 82.3 | 20-170 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.0304 | | " | 0.0400 | | 76.1 | 21-167 | | | |

Matrix Spike (BED0122-MS1)

Source: 2104104-01

Prepared: 04/07/21 Analyzed: 04/08/21

| | | | | | | | | | | |
|----------------------------------|--------|--------|-------|--------|----|------|--------|--|--|--|
| Benzene | 0.101 | 0.0020 | mg/kg | 0.100 | ND | 101 | 70-130 | | | |
| Toluene | 0.0945 | 0.0050 | " | 0.100 | ND | 94.5 | 70-130 | | | |
| Ethylbenzene | 0.114 | 0.0050 | " | 0.100 | ND | 114 | 70-130 | | | |
| m,p-Xylene | 0.229 | 0.010 | " | 0.200 | ND | 115 | 70-130 | | | |
| o-Xylene | 0.117 | 0.0050 | " | 0.100 | ND | 117 | 70-130 | | | |
| 1,2,4-Trimethylbenzene | 0.116 | 0.0050 | " | 0.100 | ND | 116 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 0.108 | 0.0050 | " | 0.100 | ND | 108 | 70-130 | | | |
| Naphthalene | 0.105 | 0.0038 | " | 0.100 | ND | 105 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0432 | | " | 0.0400 | | 108 | 23-173 | | | |
| Surrogate: Toluene-d8 | 0.0328 | | " | 0.0400 | | 82.0 | 20-170 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.0311 | | " | 0.0400 | | 77.8 | 21-167 | | | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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

Project: DCP - Mewbourn

Project Number: [none]

Project Manager: Brian Humphrey

Reported:
04/16/21 15:49

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

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

Batch BED0122 - EPA 5030 Soil MS

| Matrix Spike Dup (BED0122-MSD1) | Source: 2104104-01 | | | Prepared: 04/07/21 Analyzed: 04/08/21 | | | | | | |
|----------------------------------|--------------------|--------|-------|---------------------------------------|----|------|--------|--------|----|--|
| Benzene | 0.100 | 0.0020 | mg/kg | 0.100 | ND | 100 | 70-130 | 0.506 | 30 | |
| Toluene | 0.0951 | 0.0050 | " | 0.100 | ND | 95.1 | 70-130 | 0.601 | 30 | |
| Ethylbenzene | 0.114 | 0.0050 | " | 0.100 | ND | 114 | 70-130 | 0.0528 | 30 | |
| m,p-Xylene | 0.232 | 0.010 | " | 0.200 | ND | 116 | 70-130 | 1.08 | 30 | |
| o-Xylene | 0.120 | 0.0050 | " | 0.100 | ND | 120 | 70-130 | 3.17 | 30 | |
| 1,2,4-Trimethylbenzene | 0.116 | 0.0050 | " | 0.100 | ND | 116 | 70-130 | 0.233 | 30 | |
| 1,3,5-Trimethylbenzene | 0.110 | 0.0050 | " | 0.100 | ND | 110 | 70-130 | 1.40 | 30 | |
| Naphthalene | 0.112 | 0.0038 | " | 0.100 | ND | 112 | 70-130 | 7.02 | 30 | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0416 | | " | 0.0400 | | 104 | 23-173 | | | |
| Surrogate: Toluene-d8 | 0.0323 | | " | 0.0400 | | 80.8 | 20-170 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.0303 | | " | 0.0400 | | 75.8 | 21-167 | | | |

Summit Scientific

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

Project: DCP - Mewbourn
Project Number: [none]
Project Manager: Brian Humphrey

Reported:
04/16/21 15:49

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

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

Batch BED0123 - EPA 3550A

Blank (BED0123-BLK1)

Prepared: 04/07/21 Analyzed: 04/08/21

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

LCS (BED0123-BS1)

Prepared: 04/07/21 Analyzed: 04/08/21

| | | | | | | |
|---------------|-----|----|-------|-----|------|--------|
| C10-C28 (DRO) | 488 | 50 | mg/kg | 500 | 97.5 | 70-130 |
|---------------|-----|----|-------|-----|------|--------|

Matrix Spike (BED0123-MS1)

Source: 2104104-01

Prepared: 04/07/21 Analyzed: 04/08/21

| | | | | | | | |
|---------------|-----|----|-------|-----|------|------|--------|
| C10-C28 (DRO) | 461 | 50 | mg/kg | 500 | 17.4 | 88.8 | 70-130 |
|---------------|-----|----|-------|-----|------|------|--------|

Matrix Spike Dup (BED0123-MSD1)

Source: 2104104-01

Prepared: 04/07/21 Analyzed: 04/08/21

| | | | | | | | | | |
|---------------|-----|----|-------|-----|------|------|--------|------|----|
| C10-C28 (DRO) | 450 | 50 | mg/kg | 500 | 17.4 | 86.5 | 70-130 | 2.53 | 20 |
|---------------|-----|----|-------|-----|------|------|--------|------|----|

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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

Project: DCP - Mewbourn
Project Number: [none]
Project Manager: Brian Humphrey

Reported:
04/16/21 15:49

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

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

Batch BED0150 - EPA 5030 Soil MS

Blank (BED0150-BLK1)

Prepared & Analyzed: 04/08/21

| | | | | | | | | | | |
|------------------------------------|--------|---------|-------|--------|--|------|--------|--|--|--|
| 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 | 0.0293 | | " | 0.0333 | | 87.8 | 40-150 | | | |
| Surrogate: Fluoranthene-d10 | 0.0274 | | " | 0.0333 | | 82.3 | 40-150 | | | |

LCS (BED0150-BS1)

Prepared & Analyzed: 04/08/21

| | | | | | | |
|------------------------------------|--------|---------|-------|--------|------|--------|
| Acenaphthene | 0.0377 | 0.00500 | mg/kg | 0.0333 | 113 | 31-137 |
| Anthracene | 0.0379 | 0.00500 | " | 0.0333 | 114 | 30-120 |
| Benzo (a) anthracene | 0.0396 | 0.00500 | " | 0.0333 | 119 | 30-120 |
| Benzo (a) pyrene | 0.0398 | 0.00500 | " | 0.0333 | 119 | 30-120 |
| Benzo (b) fluoranthene | 0.0391 | 0.00500 | " | 0.0333 | 117 | 30-120 |
| Benzo (k) fluoranthene | 0.0370 | 0.00500 | " | 0.0333 | 111 | 30-120 |
| Chrysene | 0.0383 | 0.00500 | " | 0.0333 | 115 | 30-120 |
| Dibenz (a,h) anthracene | 0.0398 | 0.00500 | " | 0.0333 | 119 | 30-120 |
| Fluoranthene | 0.0301 | 0.00500 | " | 0.0333 | 90.2 | 30-120 |
| Fluorene | 0.0282 | 0.00500 | " | 0.0333 | 84.6 | 30-120 |
| Indeno (1,2,3-cd) pyrene | 0.0400 | 0.00500 | " | 0.0333 | 120 | 30-120 |
| Pyrene | 0.0302 | 0.00500 | " | 0.0333 | 90.6 | 35-142 |
| 1-Methylnaphthalene | 0.0374 | 0.00500 | " | 0.0333 | 112 | 35-142 |
| 2-Methylnaphthalene | 0.0368 | 0.00500 | " | 0.0333 | 110 | 35-142 |
| Surrogate: 2-Methylnaphthalene-d10 | 0.0277 | | " | 0.0333 | 83.1 | 40-150 |
| Surrogate: Fluoranthene-d10 | 0.0307 | | " | 0.0333 | 92.0 | 40-150 |

Summit Scientific

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

Project: DCP - Mewbourn

Project Number: [none]

Project Manager: Brian Humphrey

Reported:

04/16/21 15:49

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

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

Batch BED0150 - EPA 5030 Soil MS

Matrix Spike (BED0150-MS1)

Source: 2104103-01

Prepared & Analyzed: 04/08/21

| | | | | | | | | | | |
|------------------------------------|--------|---------|-------|--------|----|------|--------|--|--|--|
| Acenaphthene | 0.0386 | 0.00500 | mg/kg | 0.0333 | ND | 116 | 31-137 | | | |
| Anthracene | 0.0383 | 0.00500 | " | 0.0333 | ND | 115 | 30-120 | | | |
| Benzo (a) anthracene | 0.0308 | 0.00500 | " | 0.0333 | ND | 92.3 | 30-120 | | | |
| Benzo (a) pyrene | 0.0314 | 0.00500 | " | 0.0333 | ND | 94.2 | 30-120 | | | |
| Benzo (b) fluoranthene | 0.0304 | 0.00500 | " | 0.0333 | ND | 91.3 | 30-120 | | | |
| Benzo (k) fluoranthene | 0.0386 | 0.00500 | " | 0.0333 | ND | 116 | 30-120 | | | |
| Chrysene | 0.0397 | 0.00500 | " | 0.0333 | ND | 119 | 30-120 | | | |
| Dibenz (a,h) anthracene | 0.0374 | 0.00500 | " | 0.0333 | ND | 112 | 30-120 | | | |
| Fluoranthene | 0.0306 | 0.00500 | " | 0.0333 | ND | 91.7 | 30-120 | | | |
| Fluorene | 0.0272 | 0.00500 | " | 0.0333 | ND | 81.5 | 30-120 | | | |
| Indeno (1,2,3-cd) pyrene | 0.0373 | 0.00500 | " | 0.0333 | ND | 112 | 30-120 | | | |
| Pyrene | 0.0310 | 0.00500 | " | 0.0333 | ND | 93.0 | 35-142 | | | |
| 1-Methylnaphthalene | 0.0380 | 0.00500 | " | 0.0333 | ND | 114 | 15-130 | | | |
| 2-Methylnaphthalene | 0.0375 | 0.00500 | " | 0.0333 | ND | 113 | 15-130 | | | |
| Surrogate: 2-Methylnaphthalene-d10 | 0.0261 | | " | 0.0333 | | 78.3 | 40-150 | | | |
| Surrogate: Fluoranthene-d10 | 0.0297 | | " | 0.0333 | | 89.1 | 40-150 | | | |

Matrix Spike Dup (BED0150-MSD1)

Source: 2104103-01

Prepared: 04/08/21 Analyzed: 04/09/21

| | | | | | | | | | | |
|------------------------------------|--------|---------|-------|--------|----|------|--------|------|----|--|
| Acenaphthene | 0.0363 | 0.00500 | mg/kg | 0.0333 | ND | 109 | 31-137 | 6.16 | 30 | |
| Anthracene | 0.0364 | 0.00500 | " | 0.0333 | ND | 109 | 30-120 | 5.30 | 30 | |
| Benzo (a) anthracene | 0.0379 | 0.00500 | " | 0.0333 | ND | 114 | 30-120 | 20.9 | 30 | |
| Benzo (a) pyrene | 0.0385 | 0.00500 | " | 0.0333 | ND | 116 | 30-120 | 20.3 | 30 | |
| Benzo (b) fluoranthene | 0.0384 | 0.00500 | " | 0.0333 | ND | 115 | 30-120 | 23.2 | 30 | |
| Benzo (k) fluoranthene | 0.0370 | 0.00500 | " | 0.0333 | ND | 111 | 30-120 | 4.19 | 30 | |
| Chrysene | 0.0369 | 0.00500 | " | 0.0333 | ND | 111 | 30-120 | 7.43 | 30 | |
| Dibenz (a,h) anthracene | 0.0381 | 0.00500 | " | 0.0333 | ND | 114 | 30-120 | 1.84 | 30 | |
| Fluoranthene | 0.0290 | 0.00500 | " | 0.0333 | ND | 87.1 | 30-120 | 5.20 | 30 | |
| Fluorene | 0.0236 | 0.00500 | " | 0.0333 | ND | 70.9 | 30-120 | 13.9 | 30 | |
| Indeno (1,2,3-cd) pyrene | 0.0380 | 0.00500 | " | 0.0333 | ND | 114 | 30-120 | 1.86 | 30 | |
| Pyrene | 0.0294 | 0.00500 | " | 0.0333 | ND | 88.1 | 35-142 | 5.41 | 30 | |
| 1-Methylnaphthalene | 0.0346 | 0.00500 | " | 0.0333 | ND | 104 | 15-130 | 9.22 | 50 | |
| 2-Methylnaphthalene | 0.0350 | 0.00500 | " | 0.0333 | ND | 105 | 15-130 | 6.90 | 50 | |
| Surrogate: 2-Methylnaphthalene-d10 | 0.0264 | | " | 0.0333 | | 79.1 | 40-150 | | | |
| Surrogate: Fluoranthene-d10 | 0.0318 | | " | 0.0333 | | 95.3 | 40-150 | | | |

Summit Scientific

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

Project: DCP - Mewbourn
Project Number: [none]
Project Manager: Brian Humphrey

Reported:
04/16/21 15:49

Total Metals by EPA 6020B Hot Water Soluble Extraction - Quality Control
Summit Scientific

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

Batch BED0193 - EPA 3050B

Blank (BED0193-BLK1)

Prepared & Analyzed: 04/12/21

Boron ND 0.0100 mg/L

LCS (BED0193-BS1)

Prepared & Analyzed: 04/12/21

Boron 5.70 0.0100 mg/L 5.00 114 80-120

Duplicate (BED0193-DUP1)

Source: 2103425-03

Prepared & Analyzed: 04/12/21

Boron 0.300 0.0100 mg/L 0.310 3.37 20

Matrix Spike (BED0193-MS1)

Source: 2103425-03

Prepared & Analyzed: 04/12/21

Boron 6.09 0.0100 mg/L 5.00 0.310 116 75-125

Matrix Spike Dup (BED0193-MSD1)

Source: 2103425-03

Prepared & Analyzed: 04/12/21

Boron 6.11 0.0100 mg/L 5.00 0.310 116 75-125 0.296 25

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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

Project: DCP - Mewbourn

Project Number: [none]

Project Manager: Brian Humphrey

Reported:
04/16/21 15:49

Total Metals by EPA 6020B - Quality Control

Summit Scientific

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

Batch BED0136 - EPA 3050B

Blank (BED0136-BLK1)

Prepared: 04/08/21 Analyzed: 04/09/21

| | | | |
|----------|----|-------|-----------|
| Arsenic | ND | 0.200 | mg/kg wet |
| Selenium | ND | 0.260 | " |

LCS (BED0136-BS1)

Prepared: 04/08/21 Analyzed: 04/09/21

| | | | | | | |
|----------|------|-------|-----------|------|------|--------|
| Arsenic | 37.2 | 0.200 | mg/kg wet | 40.0 | 93.0 | 80-120 |
| Selenium | 3.34 | 0.260 | " | 4.00 | 83.5 | 80-120 |

Duplicate (BED0136-DUP1)

Source: 2103388-18

Prepared: 04/08/21 Analyzed: 04/09/21

| | | | | | | |
|----------|-------|-------|-----------|-------|------|----|
| Arsenic | 1.92 | 0.200 | mg/kg dry | 1.75 | 9.44 | 20 |
| Selenium | 0.508 | 0.260 | " | 0.473 | 6.99 | 20 |

Matrix Spike (BED0136-MS1)

Source: 2103388-18

Prepared: 04/08/21 Analyzed: 04/09/21

| | | | | | | | |
|----------|------|-------|-----------|------|-------|-----|--------|
| Arsenic | 49.9 | 0.200 | mg/kg dry | 43.0 | 1.75 | 112 | 75-125 |
| Selenium | 5.11 | 0.260 | " | 4.30 | 0.473 | 108 | 75-125 |

Matrix Spike Dup (BED0136-MSD1)

Source: 2103388-18

Prepared: 04/08/21 Analyzed: 04/09/21

| | | | | | | | | | |
|----------|------|-------|-----------|------|-------|------|--------|------|----|
| Arsenic | 39.9 | 0.200 | mg/kg dry | 43.0 | 1.75 | 88.5 | 75-125 | 22.4 | 25 |
| Selenium | 4.15 | 0.260 | " | 4.30 | 0.473 | 85.5 | 75-125 | 20.6 | 25 |

Summit Scientific

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

Project: DCP - Mewbourn

Project Number: [none]

Project Manager: Brian Humphrey

Reported:
04/16/21 15:49

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction - Quality Control

Summit Scientific

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

Batch BED0256 - General Preparation

Blank (BED0256-BLK1)

Prepared: 04/14/21 Analyzed: 04/16/21

| | | | |
|-----------|----|--------|----------|
| Calcium | ND | 0.0500 | mg/L wet |
| Magnesium | ND | 0.0500 | " |
| Sodium | ND | 0.0500 | " |

LCS (BED0256-BS1)

Prepared: 04/14/21 Analyzed: 04/16/21

| | | | | | | |
|-----------|------|--------|----------|------|------|--------|
| Calcium | 5.04 | 0.0500 | mg/L wet | 5.00 | 101 | 70-130 |
| Magnesium | 5.02 | 0.0500 | " | 5.00 | 100 | 70-130 |
| Sodium | 4.98 | 0.0500 | " | 5.00 | 99.5 | 70-130 |

Summit Scientific

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

Project: DCP - Mewbourn

Project Number: [none]

Project Manager: Brian Humphrey

Reported:
04/16/21 15:49

Physical Parameters by APHA/ASTM/EPA Methods - Quality Control

Summit Scientific

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

Batch BED0127 - General Preparation

Duplicate (BED0127-DUP1)

Source: 2104005-03

Prepared & Analyzed: 04/08/21

| | | | | | |
|----------|------|---|------|-------|----|
| % Solids | 75.4 | % | 75.2 | 0.267 | 20 |
|----------|------|---|------|-------|----|

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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

Project: DCP - Mewbourn

Project Number: [none]

Project Manager: Brian Humphrey

Reported:
04/16/21 15:49

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction - Quality Control

Summit Scientific

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

Batch BED0285 - General Preparation

Blank (BED0285-BLK1)

Prepared & Analyzed: 04/15/21

Specific Conductance (EC) ND 0.0100 mmhos/cm

LCS (BED0285-BS1)

Prepared & Analyzed: 04/15/21

Specific Conductance (EC) 0.148 0.0100 mmhos/cm 0.150 98.8 90-110

Duplicate (BED0285-DUP1)

Source: 2104092-01

Prepared & Analyzed: 04/15/21

Specific Conductance (EC) 0.628 0.0100 mmhos/cm 0.630 0.239 20

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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

Project: DCP - Mewbourn

Project Number: [none]

Project Manager: Brian Humphrey

Reported:

04/16/21 15:49

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction - Quality Control

Summit Scientific

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

Batch BED0286 - General Preparation

LCS (BED0286-BS1)

Prepared & Analyzed: 04/15/21

| | | | | | |
|----|------|----------|------|-----|--------|
| pH | 9.30 | pH Units | 9.21 | 101 | 95-105 |
|----|------|----------|------|-----|--------|

Duplicate (BED0286-DUP1)

Source: 2104092-01

Prepared & Analyzed: 04/15/21

| | | | | | |
|----|------|----------|------|-------|----|
| pH | 8.23 | pH Units | 8.24 | 0.121 | 20 |
|----|------|----------|------|-------|----|

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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

Project: DCP - Mewbourn

Project Number: [none]

Project Manager: Brian Humphrey

Reported:

04/16/21 15:49

Notes and Definitions

| | |
|------|--|
| S-02 | The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract. |
| 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 |

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

April 16, 2021

Brian Humphrey
Tasman Geosciences
6855 W. 119th Ave.
Broomfield, CO 80020
RE: DCP - Mewbourn
Work Order #2104134

Enclosed are the results of analyses for samples received by Summit Scientific on 04/08/21 17:07. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read 'P. Shrewsbury', with a stylized, cursive script.

Paul Shrewsbury
President



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

Project: DCP - Mewbourn

Project Number: [none]

Project Manager: Brian Humphrey

Reported:
04/16/21 15:51

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------|---------------|--------|----------------|----------------|
| MW09@20' | 2104134-01 | Soil | 04/08/21 10:09 | 04/08/21 17:07 |
| MW09@25' | 2104134-02 | Soil | 04/08/21 10:15 | 04/08/21 17:07 |

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.

Page 1 of 1

Sampler Name: TASMAN

Project Number:

www.s2scientific.com

Sample Receipt Checklist

S2 Work Order 2104134

Client: Tasman/DLP Client Project ID: DLP Midstream

Shipped Via: ☒ H.D./P.U./FedEx/UPS/USPS/Other ☐ Airbill #: _____

Matrix (check all that apply): ☒ Air ☒ Soil/Solid ☐ Water ☐ Other: _____
(Describe)

| | |
|-----------|------------|
| Temp (°C) | <u>9.8</u> |
|-----------|------------|

Thermometer ID: 61857155-K

| | Yes | No | N/A | Comments (if any) |
|--|-------------------------------------|--------------------------|-------------------------------------|-------------------|
| If samples require cooling, was the temperature at 4°C +/- 2°C ⁽¹⁾ ? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <u>on ice</u> |
| NOTE: If samples are delivered the same day of sampling, this requirement is met provided that there is evidence that cooling has begun. | | | | |
| Were all samples received intact ⁽¹⁾ ? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Was adequate sample volume provided ⁽¹⁾ ? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| If custody seals are present, are they intact ⁽¹⁾ ? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| Are samples with holding times due within 48 hours sample due within 48 hours present? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <u>24 hr</u> |
| Is a chain-of-custody (COC) form present and filled out completely ⁽¹⁾ ? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Is the COC properly relinquished by the client w/ date and time recorded ⁽¹⁾ ? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| For volatiles in water – is there headspace present? If yes, contact client and note in narrative. | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| Are samples preserved that require preservation (excluding cooling) ⁽¹⁾ ? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| Note the type of preservative in the Comments column – HCl, H2SO4, NaOH, HNO3, ect | | | | |
| If samples are acid preserved for metals, is the pH ≤ 2 ⁽¹⁾ ? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| Record the pH in Comments. | | | | |
| If dissolved metals are requested, were samples field filtered? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |

Additional Comments (if any):

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

AT
Custodian Printed Name or Initials

[Signature]
Signature of Custodian

4.8.21
Date/Time



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

Project: DCP - Mewbourn

Project Number: [none]

Project Manager: Brian Humphrey

Reported:
04/16/21 15:51

MW09@20'
2104134-01 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/08/21 10:09**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Benzene | ND | 0.0020 | mg/kg | 1 | BED0153 | 04/08/21 | 04/08/21 | 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: **04/08/21 10:09**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 1,2-Dichloroethane-d4 | | 91.4 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 98.0 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 98.8 % | 21-167 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **04/08/21 10:09**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | BED0154 | " | 04/09/21 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | " | " | " | " | " | " | |

Date Sampled: **04/08/21 10:09**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: o-Terphenyl | | 117 % | 30-150 | | " | " | " | " | |

PAH by EPA Method 8270D SIM

Summit Scientific

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

Project: DCP - Mewbourn
Project Number: [none]
Project Manager: Brian Humphrey

Reported:
04/16/21 15:51

MW09@20'
2104134-01 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **04/08/21 10:09**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| Benzo (a) anthracene | ND | 0.00500 | mg/kg | 1 | BED0173 | 04/09/21 | 04/11/21 | EPA 8270D SIM | |
| Fluorene | ND | 0.00500 | " | " | " | " | " | " | |
| 1-Methylnaphthalene | ND | 0.00500 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | ND | 0.00500 | " | " | " | " | " | " | |

Date Sampled: **04/08/21 10:09**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | | 79.4 % | 40-150 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | | 63.6 % | 40-150 | | " | " | " | " | |

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **04/08/21 10:09**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|---------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Boron | 0.0621 | 0.0100 | mg/L | 1 | BED0218 | 04/13/21 | 04/14/21 | EPA 6020B | |

Total Metals by EPA 6020B

Date Sampled: **04/08/21 10:09**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------------|-----------------|-----------|----------|---------|----------|----------|-----------|-------|
| Arsenic | 2.85 | 0.200 | mg/kg dry | 1 | BED0166 | 04/09/21 | 04/10/21 | EPA 6020B | |
| Selenium | 0.866 | 0.260 | " | " | " | " | " | " | |

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **04/08/21 10:09**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|-------------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Calcium | 32.5 | 0.0597 | mg/L dry | 1 | BED0256 | 04/14/21 | 04/16/21 | EPA 6020B | |
| Magnesium | 8.33 | 0.0597 | " | " | " | " | " | " | |

Summit Scientific

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

Project: DCP - Mewbourn
Project Number: [none]
Project Manager: Brian Humphrey

Reported:
04/16/21 15:51

MW09@20'
2104134-01 (Soil)

Summit Scientific

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

| | | | | | | | | |
|--------|------|--------|----------|---|---------|----------|----------|-----------|
| Sodium | 7.19 | 0.0597 | mg/L dry | 1 | BED0256 | 04/14/21 | 04/16/21 | EPA 6020B |
|--------|------|--------|----------|---|---------|----------|----------|-----------|

Calculated Analysis

Date Sampled: **04/08/21 10:09**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 0.291 | 0.100 | units | 1 | BED0304 | 04/16/21 | 04/16/21 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **04/08/21 10:09**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | 83.7 | | % | 1 | BED0156 | 04/09/21 | 04/09/21 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **04/08/21 10:09**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.305 | 0.0100 | mmhos/cm | 1 | BED0285 | 04/15/21 | 04/15/21 | EPA 120.1 | |

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **04/08/21 10:09**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH | 8.41 | | pH Units | 1 | BED0286 | 04/15/21 | 04/15/21 | EPA 9045D | |

Summit Scientific

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

Project: DCP - Mewbourn
Project Number: [none]
Project Manager: Brian Humphrey

Reported:
04/16/21 15:51

MW09@25'
2104134-02 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/08/21 10:15**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | |
| Benzene | ND | 0.0020 | mg/kg | 1 | BED0153 | 04/08/21 | 04/09/21 | 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: **04/08/21 10:15**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 96.5 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 97.5 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 96.1 % | 21-167 | | " | " | " | " | |

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **04/08/21 10:15**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | |
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | BED0154 | " | 04/09/21 | EPA 8015M | |
| C28-C36 (ORO) | ND | 50 | " | " | " | " | " | " | |

Date Sampled: **04/08/21 10:15**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |
| Surrogate: o-Terphenyl | | 107 % | 30-150 | | " | " | " | " | |

PAH by EPA Method 8270D SIM

Summit Scientific

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

Project: DCP - Mewbourn
Project Number: [none]
Project Manager: Brian Humphrey

Reported:
04/16/21 15:51

MW09@25'
2104134-02 (Soil)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **04/08/21 10:15**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------------|-------|----------|---------|----------|----------|---------------|-------|
| Benzo (a) anthracene | ND | 0.00500 | mg/kg | 1 | BED0173 | 04/09/21 | 04/11/21 | EPA 8270D SIM | |
| Fluorene | ND | 0.00500 | " | " | " | " | " | " | |
| 1-Methylnaphthalene | ND | 0.00500 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | ND | 0.00500 | " | " | " | " | " | " | |

Date Sampled: **04/08/21 10:15**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------------|--------|----------|-------|----------|----------|--------|-------|
| Surrogate: 2-Methylnaphthalene-d10 | | 63.4 % | 40-150 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | | 55.0 % | 40-150 | | " | " | " | " | |

Total Metals by EPA 6020B Hot Water Soluble Extraction

Date Sampled: **04/08/21 10:15**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|---------------|-----------------|-------|----------|---------|----------|----------|-----------|-------|
| Boron | 0.0738 | 0.0100 | mg/L | 1 | BED0218 | 04/13/21 | 04/14/21 | EPA 6020B | |

Total Metals by EPA 6020B

Date Sampled: **04/08/21 10:15**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------------|-----------------|-----------|----------|---------|----------|----------|-----------|-------|
| Arsenic | 1.73 | 0.200 | mg/kg dry | 1 | BED0166 | 04/09/21 | 04/10/21 | EPA 6020B | |
| Selenium | 0.264 | 0.260 | " | " | " | " | " | " | |

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

Date Sampled: **04/08/21 10:15**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------|-------------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Calcium | 47.9 | 0.0606 | mg/L dry | 1 | BED0256 | 04/14/21 | 04/16/21 | EPA 6020B | |
| Magnesium | 11.2 | 0.0606 | " | " | " | " | " | " | |

Summit Scientific

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

Project: DCP - Mewbourn
Project Number: [none]
Project Manager: Brian Humphrey

Reported:
04/16/21 15:51

MW09@25'
2104134-02 (Soil)

Summit Scientific

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction

| | | | | | | | | |
|--------|------|--------|----------|---|---------|----------|----------|-----------|
| Sodium | 40.0 | 0.0606 | mg/L dry | 1 | BED0256 | 04/14/21 | 04/16/21 | EPA 6020B |
|--------|------|--------|----------|---|---------|----------|----------|-----------|

Calculated Analysis

Date Sampled: **04/08/21 10:15**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| Sodium Adsorption Ratio | 1.35 | 0.100 | units | 1 | BED0304 | 04/16/21 | 04/16/21 | Calculation | |

Physical Parameters by APHA/ASTM/EPA Methods

Date Sampled: **04/08/21 10:15**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--------|-----------------|-------|----------|---------|----------|----------|-------------|-------|
| % Solids | 82.5 | | % | 1 | BED0156 | 04/09/21 | 04/09/21 | Calculation | |

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction

Date Sampled: **04/08/21 10:15**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| Specific Conductance (EC) | 0.569 | 0.0100 | mmhos/cm | 1 | BED0285 | 04/15/21 | 04/15/21 | EPA 120.1 | |

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction

Date Sampled: **04/08/21 10:15**

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-----------------|----------|----------|---------|----------|----------|-----------|-------|
| pH | 8.18 | | pH Units | 1 | BED0286 | 04/15/21 | 04/15/21 | EPA 9045D | |

Summit Scientific

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

Project: DCP - Mewbourn

Project Number: [none]

Project Manager: Brian Humphrey

Reported:
04/16/21 15:51

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

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

Batch BED0153 - EPA 5030 Soil MS

Blank (BED0153-BLK1)

Prepared & Analyzed: 04/08/21

| | | | | | | | | | | |
|----------------------------------|--------|--------|-------|--------|--|------|--------|--|--|--|
| 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 | " | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0340 | | " | 0.0400 | | 84.9 | 23-173 | | | |
| Surrogate: Toluene-d8 | 0.0444 | | " | 0.0400 | | 111 | 20-170 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.0388 | | " | 0.0400 | | 97.0 | 21-167 | | | |

LCS (BED0153-BS1)

Prepared & Analyzed: 04/08/21

| | | | | | | | | | | |
|----------------------------------|--------|--------|-------|--------|--|------|--------|--|--|--|
| Benzene | 0.0792 | 0.0020 | mg/kg | 0.100 | | 79.2 | 70-130 | | | |
| Toluene | 0.104 | 0.0050 | " | 0.100 | | 104 | 70-130 | | | |
| Ethylbenzene | 0.0974 | 0.0050 | " | 0.100 | | 97.4 | 70-130 | | | |
| m,p-Xylene | 0.175 | 0.010 | " | 0.200 | | 87.5 | 70-130 | | | |
| o-Xylene | 0.0866 | 0.0050 | " | 0.100 | | 86.6 | 70-130 | | | |
| 1,2,4-Trimethylbenzene | 0.0898 | 0.0050 | " | 0.100 | | 89.8 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 0.0872 | 0.0050 | " | 0.100 | | 87.2 | 70-130 | | | |
| Naphthalene | 0.0841 | 0.0038 | " | 0.100 | | 84.1 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0237 | | " | 0.0400 | | 59.2 | 23-173 | | | |
| Surrogate: Toluene-d8 | 0.0430 | | " | 0.0400 | | 108 | 20-170 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.0396 | | " | 0.0400 | | 99.0 | 21-167 | | | |

Matrix Spike (BED0153-MS1)

Source: 2104134-01

Prepared & Analyzed: 04/08/21

| | | | | | | | | | | |
|----------------------------------|--------|--------|-------|--------|----|------|--------|--|--|--|
| Benzene | 0.0863 | 0.0020 | mg/kg | 0.100 | ND | 86.3 | 70-130 | | | |
| Toluene | 0.0948 | 0.0050 | " | 0.100 | ND | 94.8 | 70-130 | | | |
| Ethylbenzene | 0.101 | 0.0050 | " | 0.100 | ND | 101 | 70-130 | | | |
| m,p-Xylene | 0.178 | 0.010 | " | 0.200 | ND | 88.9 | 70-130 | | | |
| o-Xylene | 0.0882 | 0.0050 | " | 0.100 | ND | 88.2 | 70-130 | | | |
| 1,2,4-Trimethylbenzene | 0.0902 | 0.0050 | " | 0.100 | ND | 90.2 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 0.0864 | 0.0050 | " | 0.100 | ND | 86.4 | 70-130 | | | |
| Naphthalene | 0.0905 | 0.0038 | " | 0.100 | ND | 90.5 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0271 | | " | 0.0400 | | 67.7 | 23-173 | | | |
| Surrogate: Toluene-d8 | 0.0376 | | " | 0.0400 | | 94.0 | 20-170 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.0378 | | " | 0.0400 | | 94.6 | 21-167 | | | |

Summit Scientific

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

Project: DCP - Mewbourn
Project Number: [none]
Project Manager: Brian Humphrey

Reported:
04/16/21 15:51

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

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

Batch BED0153 - EPA 5030 Soil MS

| Matrix Spike Dup (BED0153-MSD1) | Source: 2104134-01 | | | Prepared & Analyzed: 04/08/21 | | | | | | |
|----------------------------------|--------------------|--------|-------|-------------------------------|----|------|--------|--------|----|--|
| Benzene | 0.0863 | 0.0020 | mg/kg | 0.100 | ND | 86.3 | 70-130 | 0.0695 | 30 | |
| Toluene | 0.0898 | 0.0050 | " | 0.100 | ND | 89.8 | 70-130 | 5.43 | 30 | |
| Ethylbenzene | 0.0984 | 0.0050 | " | 0.100 | ND | 98.4 | 70-130 | 2.77 | 30 | |
| m,p-Xylene | 0.170 | 0.010 | " | 0.200 | ND | 84.9 | 70-130 | 4.66 | 30 | |
| o-Xylene | 0.0848 | 0.0050 | " | 0.100 | ND | 84.8 | 70-130 | 3.95 | 30 | |
| 1,2,4-Trimethylbenzene | 0.0863 | 0.0050 | " | 0.100 | ND | 86.3 | 70-130 | 4.38 | 30 | |
| 1,3,5-Trimethylbenzene | 0.0827 | 0.0050 | " | 0.100 | ND | 82.7 | 70-130 | 4.37 | 30 | |
| Naphthalene | 0.0965 | 0.0038 | " | 0.100 | ND | 96.5 | 70-130 | 6.38 | 30 | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0282 | | " | 0.0400 | | 70.6 | 23-173 | | | |
| Surrogate: Toluene-d8 | 0.0367 | | " | 0.0400 | | 91.7 | 20-170 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.0369 | | " | 0.0400 | | 92.2 | 21-167 | | | |

Summit Scientific

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

Project: DCP - Mewbourn
Project Number: [none]
Project Manager: Brian Humphrey

Reported:
04/16/21 15:51

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

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

Batch BED0154 - EPA 3550A

Blank (BED0154-BLK1)

Prepared & Analyzed: 04/08/21

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

LCS (BED0154-BS1)

Prepared & Analyzed: 04/08/21

| | | | | | | |
|---------------|-----|----|-------|-----|-----|--------|
| C10-C28 (DRO) | 558 | 50 | mg/kg | 500 | 112 | 70-130 |
|---------------|-----|----|-------|-----|-----|--------|

Matrix Spike (BED0154-MS1)

Source: 2104134-01

Prepared & Analyzed: 04/08/21

| | | | | | | | |
|---------------|-----|----|-------|-----|------|------|--------|
| C10-C28 (DRO) | 447 | 50 | mg/kg | 500 | 39.9 | 81.5 | 70-130 |
|---------------|-----|----|-------|-----|------|------|--------|

Matrix Spike Dup (BED0154-MSD1)

Source: 2104134-01

Prepared: 04/08/21 Analyzed: 04/09/21

| | | | | | | | | | |
|---------------|-----|----|-------|-----|------|------|--------|------|----|
| C10-C28 (DRO) | 493 | 50 | mg/kg | 500 | 39.9 | 90.6 | 70-130 | 9.71 | 20 |
|---------------|-----|----|-------|-----|------|------|--------|------|----|

Summit Scientific

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

Project: DCP - Mewbourn
Project Number: [none]
Project Manager: Brian Humphrey

Reported:
04/16/21 15:51

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

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

Batch BED0173 - EPA 5030 Soil MS

Blank (BED0173-BLK1)

Prepared & Analyzed: 04/09/21

| | | | | | | | | | | |
|------------------------------------|--------|---------|-------|--------|--|------|--------|--|--|--|
| 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 | 0.0280 | | " | 0.0333 | | 83.9 | 40-150 | | | |
| Surrogate: Fluoranthene-d10 | 0.0265 | | " | 0.0333 | | 79.6 | 40-150 | | | |

LCS (BED0173-BS1)

Prepared: 04/09/21 Analyzed: 04/10/21

| | | | | | | |
|------------------------------------|--------|---------|-------|--------|------|--------|
| Acenaphthene | 0.0375 | 0.00500 | mg/kg | 0.0333 | 113 | 31-137 |
| Anthracene | 0.0366 | 0.00500 | " | 0.0333 | 110 | 30-120 |
| Benzo (a) anthracene | 0.0385 | 0.00500 | " | 0.0333 | 115 | 30-120 |
| Benzo (a) pyrene | 0.0380 | 0.00500 | " | 0.0333 | 114 | 30-120 |
| Benzo (b) fluoranthene | 0.0317 | 0.00500 | " | 0.0333 | 95.0 | 30-120 |
| Benzo (k) fluoranthene | 0.0311 | 0.00500 | " | 0.0333 | 93.4 | 30-120 |
| Chrysene | 0.0385 | 0.00500 | " | 0.0333 | 115 | 30-120 |
| Dibenz (a,h) anthracene | 0.0195 | 0.00500 | " | 0.0333 | 58.5 | 30-120 |
| Fluoranthene | 0.0289 | 0.00500 | " | 0.0333 | 86.7 | 30-120 |
| Fluorene | 0.0185 | 0.00500 | " | 0.0333 | 55.5 | 30-120 |
| Indeno (1,2,3-cd) pyrene | 0.0205 | 0.00500 | " | 0.0333 | 61.4 | 30-120 |
| Pyrene | 0.0313 | 0.00500 | " | 0.0333 | 93.9 | 35-142 |
| 1-Methylnaphthalene | 0.0336 | 0.00500 | " | 0.0333 | 101 | 35-142 |
| 2-Methylnaphthalene | 0.0351 | 0.00500 | " | 0.0333 | 105 | 35-142 |
| Surrogate: 2-Methylnaphthalene-d10 | 0.0247 | | " | 0.0333 | 74.2 | 40-150 |
| Surrogate: Fluoranthene-d10 | 0.0293 | | " | 0.0333 | 88.0 | 40-150 |

Summit Scientific

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

Project: DCP - Mewbourn

Project Number: [none]

Project Manager: Brian Humphrey

Reported:
04/16/21 15:51

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

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

Batch BED0173 - EPA 5030 Soil MS

Matrix Spike (BED0173-MS1)

Source: 2104134-01

Prepared: 04/09/21 Analyzed: 04/10/21

| | | | | | | | | | | |
|------------------------------------|--------|---------|-------|--------|---------|------|--------|--|--|--|
| Acenaphthene | 0.0371 | 0.00500 | mg/kg | 0.0333 | ND | 111 | 31-137 | | | |
| Anthracene | 0.0369 | 0.00500 | " | 0.0333 | ND | 111 | 30-120 | | | |
| Benzo (a) anthracene | 0.0388 | 0.00500 | " | 0.0333 | ND | 116 | 30-120 | | | |
| Benzo (a) pyrene | 0.0398 | 0.00500 | " | 0.0333 | ND | 119 | 30-120 | | | |
| Benzo (b) fluoranthene | 0.0326 | 0.00500 | " | 0.0333 | ND | 97.8 | 30-120 | | | |
| Benzo (k) fluoranthene | 0.0322 | 0.00500 | " | 0.0333 | ND | 96.7 | 30-120 | | | |
| Chrysene | 0.0390 | 0.00500 | " | 0.0333 | ND | 117 | 30-120 | | | |
| Dibenz (a,h) anthracene | 0.0199 | 0.00500 | " | 0.0333 | ND | 59.7 | 30-120 | | | |
| Fluoranthene | 0.0293 | 0.00500 | " | 0.0333 | ND | 88.0 | 30-120 | | | |
| Fluorene | 0.0175 | 0.00500 | " | 0.0333 | ND | 52.6 | 30-120 | | | |
| Indeno (1,2,3-cd) pyrene | 0.0207 | 0.00500 | " | 0.0333 | ND | 62.1 | 30-120 | | | |
| Pyrene | 0.0321 | 0.00500 | " | 0.0333 | 0.00204 | 90.1 | 35-142 | | | |
| 1-Methylnaphthalene | 0.0335 | 0.00500 | " | 0.0333 | ND | 101 | 15-130 | | | |
| 2-Methylnaphthalene | 0.0333 | 0.00500 | " | 0.0333 | ND | 99.8 | 15-130 | | | |
| Surrogate: 2-Methylnaphthalene-d10 | 0.0235 | | " | 0.0333 | | 70.4 | 40-150 | | | |
| Surrogate: Fluoranthene-d10 | 0.0285 | | " | 0.0333 | | 85.5 | 40-150 | | | |

Matrix Spike Dup (BED0173-MSD1)

Source: 2104134-01

Prepared: 04/09/21 Analyzed: 04/10/21

| | | | | | | | | | | |
|------------------------------------|--------|---------|-------|--------|---------|------|--------|-------|----|--|
| Acenaphthene | 0.0357 | 0.00500 | mg/kg | 0.0333 | ND | 107 | 31-137 | 3.83 | 30 | |
| Anthracene | 0.0347 | 0.00500 | " | 0.0333 | ND | 104 | 30-120 | 6.33 | 30 | |
| Benzo (a) anthracene | 0.0370 | 0.00500 | " | 0.0333 | ND | 111 | 30-120 | 4.68 | 30 | |
| Benzo (a) pyrene | 0.0369 | 0.00500 | " | 0.0333 | ND | 111 | 30-120 | 7.41 | 30 | |
| Benzo (b) fluoranthene | 0.0307 | 0.00500 | " | 0.0333 | ND | 92.2 | 30-120 | 5.88 | 30 | |
| Benzo (k) fluoranthene | 0.0304 | 0.00500 | " | 0.0333 | ND | 91.2 | 30-120 | 5.79 | 30 | |
| Chrysene | 0.0375 | 0.00500 | " | 0.0333 | ND | 112 | 30-120 | 3.92 | 30 | |
| Dibenz (a,h) anthracene | 0.0190 | 0.00500 | " | 0.0333 | ND | 57.0 | 30-120 | 4.72 | 30 | |
| Fluoranthene | 0.0279 | 0.00500 | " | 0.0333 | ND | 83.6 | 30-120 | 5.23 | 30 | |
| Fluorene | 0.0174 | 0.00500 | " | 0.0333 | ND | 52.1 | 30-120 | 0.977 | 30 | |
| Indeno (1,2,3-cd) pyrene | 0.0200 | 0.00500 | " | 0.0333 | ND | 59.9 | 30-120 | 3.51 | 30 | |
| Pyrene | 0.0307 | 0.00500 | " | 0.0333 | 0.00204 | 85.9 | 35-142 | 4.46 | 30 | |
| 1-Methylnaphthalene | 0.0338 | 0.00500 | " | 0.0333 | ND | 102 | 15-130 | 0.957 | 50 | |
| 2-Methylnaphthalene | 0.0329 | 0.00500 | " | 0.0333 | ND | 98.7 | 15-130 | 1.13 | 50 | |
| Surrogate: 2-Methylnaphthalene-d10 | 0.0260 | | " | 0.0333 | | 78.0 | 40-150 | | | |
| Surrogate: Fluoranthene-d10 | 0.0309 | | " | 0.0333 | | 92.7 | 40-150 | | | |

Summit Scientific

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

Project: DCP - Mewbourn

Project Number: [none]

Project Manager: Brian Humphrey

Reported:
04/16/21 15:51

Total Metals by EPA 6020B Hot Water Soluble Extraction - Quality Control

Summit Scientific

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

Batch BED0218 - EPA 3050B

Blank (BED0218-BLK1)

Prepared & Analyzed: 04/13/21

Boron ND 0.0100 mg/L

LCS (BED0218-BS1)

Prepared & Analyzed: 04/13/21

Boron 5.07 0.0100 mg/L 5.00 101 80-120

Duplicate (BED0218-DUP1)

Source: 2103468-01

Prepared & Analyzed: 04/13/21

Boron 0.108 0.0100 mg/L 0.112 3.70 20

Matrix Spike (BED0218-MS1)

Source: 2103468-01

Prepared & Analyzed: 04/13/21

Boron 5.02 0.0100 mg/L 5.00 0.112 98.1 75-125

Matrix Spike Dup (BED0218-MSD1)

Source: 2103468-01

Prepared & Analyzed: 04/13/21

Boron 5.38 0.0100 mg/L 5.00 0.112 105 75-125 6.96 25

Summit Scientific

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

Project: DCP - Mewbourn

Project Number: [none]
Project Manager: Brian Humphrey

Reported:
04/16/21 15:51

Total Metals by EPA 6020B - Quality Control
Summit Scientific

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

Batch BED0166 - EPA 3050B

Blank (BED0166-BLK1)

Prepared & Analyzed: 04/09/21

| | | | |
|----------|----|-------|-----------|
| Arsenic | ND | 0.200 | mg/kg wet |
| Selenium | ND | 0.260 | " |

LCS (BED0166-BS1)

Prepared & Analyzed: 04/09/21

| | | | | | | |
|----------|------|-------|-----------|------|------|--------|
| Arsenic | 36.0 | 0.200 | mg/kg wet | 40.0 | 90.0 | 80-120 |
| Selenium | 3.86 | 0.260 | " | 4.00 | 96.5 | 80-120 |

Duplicate (BED0166-DUP1)

Source: 2103237-08

Prepared & Analyzed: 04/09/21

| | | | | | | |
|----------|-------|-------|-----------|-------|------|----|
| Arsenic | 1.62 | 0.200 | mg/kg dry | 1.70 | 4.97 | 20 |
| Selenium | 0.416 | 0.260 | " | 0.407 | 2.17 | 20 |

Matrix Spike (BED0166-MS1)

Source: 2103237-08

Prepared: 04/09/21 Analyzed: 04/12/21

| | | | | | | | |
|----------|------|-------|-----------|------|-------|------|--------|
| Arsenic | 39.4 | 0.200 | mg/kg dry | 47.5 | 1.70 | 79.4 | 75-125 |
| Selenium | 4.35 | 0.260 | " | 4.75 | 0.407 | 83.0 | 75-125 |

Matrix Spike Dup (BED0166-MSD1)

Source: 2103237-08

Prepared: 04/09/21 Analyzed: 04/12/21

| | | | | | | | | | |
|----------|------|-------|-----------|------|-------|------|--------|--------|----|
| Arsenic | 46.4 | 0.200 | mg/kg dry | 47.5 | 1.70 | 94.0 | 75-125 | 16.2 | 25 |
| Selenium | 4.35 | 0.260 | " | 4.75 | 0.407 | 82.9 | 75-125 | 0.0876 | 25 |

Summit Scientific

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

Project: DCP - Mewbourn

Project Number: [none]

Project Manager: Brian Humphrey

Reported:
04/16/21 15:51

Soluble Nutrients by EPA 6020/USDA60 6(2) - Saturated Paste Extraction - Quality Control

Summit Scientific

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

Batch BED0256 - General Preparation

Blank (BED0256-BLK1)

Prepared: 04/14/21 Analyzed: 04/16/21

| | | | |
|-----------|----|--------|----------|
| Calcium | ND | 0.0500 | mg/L wet |
| Magnesium | ND | 0.0500 | " |
| Sodium | ND | 0.0500 | " |

LCS (BED0256-BS1)

Prepared: 04/14/21 Analyzed: 04/16/21

| | | | | | | |
|-----------|------|--------|----------|------|------|--------|
| Calcium | 5.04 | 0.0500 | mg/L wet | 5.00 | 101 | 70-130 |
| Magnesium | 5.02 | 0.0500 | " | 5.00 | 100 | 70-130 |
| Sodium | 4.98 | 0.0500 | " | 5.00 | 99.5 | 70-130 |

Summit Scientific

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

Project: DCP - Mewbourn

Project Number: [none]

Project Manager: Brian Humphrey

Reported:

04/16/21 15:51

Physical Parameters by APHA/ASTM/EPA Methods - Quality Control

Summit Scientific

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

Batch BED0156 - General Preparation

Duplicate (BED0156-DUP1)

Source: 2103289-01

Prepared & Analyzed: 04/09/21

| | | | | | |
|----------|------|---|------|-------|----|
| % Solids | 92.7 | % | 93.0 | 0.314 | 20 |
|----------|------|---|------|-------|----|

Summit Scientific

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

Project: DCP - Mewbourn

Project Number: [none]

Project Manager: Brian Humphrey

Reported:
04/16/21 15:51

Specific Conductance by EPA Method 120.1, Saturated Paste Extraction - Quality Control

Summit Scientific

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

Batch BED0285 - General Preparation

Blank (BED0285-BLK1)

Prepared & Analyzed: 04/15/21

Specific Conductance (EC) ND 0.0100 mmhos/cm

LCS (BED0285-BS1)

Prepared & Analyzed: 04/15/21

Specific Conductance (EC) 0.148 0.0100 mmhos/cm 0.150 98.8 90-110

Duplicate (BED0285-DUP1)

Source: 2104092-01

Prepared & Analyzed: 04/15/21

Specific Conductance (EC) 0.628 0.0100 mmhos/cm 0.630 0.239 20

Summit Scientific

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

Project: DCP - Mewbourn

Project Number: [none]

Project Manager: Brian Humphrey

Reported:
04/16/21 15:51

Physical Parameters by APHA/ASTM/EPA Methods, Saturated Paste Extraction - Quality Control

Summit Scientific

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

Batch BED0286 - General Preparation

LCS (BED0286-BS1)

Prepared & Analyzed: 04/15/21

| | | | | | |
|----|------|----------|------|-----|--------|
| pH | 9.30 | pH Units | 9.21 | 101 | 95-105 |
|----|------|----------|------|-----|--------|

Duplicate (BED0286-DUP1)

Source: 2104092-01

Prepared & Analyzed: 04/15/21

| | | | | | |
|----|------|----------|------|-------|----|
| pH | 8.23 | pH Units | 8.24 | 0.121 | 20 |
|----|------|----------|------|-------|----|

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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

Project: DCP - Mewbourn

Project Number: [none]

Project Manager: Brian Humphrey

Reported:
04/16/21 15:51

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 |

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

March 18, 2021

Brian Humphrey
Tasman Geosciences
6855 W. 119th Ave.
Broomfield, CO 80020
RE: Mewbourn CND
Work Order #2103245

Enclosed are the results of analyses for samples received by Summit Scientific on 03/16/21 15:46. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read 'P. Shrewsbury', with a stylized, cursive script.

Paul Shrewsbury
President



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

Project: Mewbourn CND

Project Number: [none]

Project Manager: Brian Humphrey

Reported:
03/18/21 14:40

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------|---------------|--------|----------------|----------------|
| MW01 | 2103245-01 | Water | 03/16/21 14:50 | 03/16/21 15:46 |
| MW02 | 2103245-02 | Water | 03/16/21 14:45 | 03/16/21 15:46 |
| MW03 | 2103245-03 | Water | 03/16/21 14:30 | 03/16/21 15:46 |
| MW04 | 2103245-04 | Water | 03/16/21 14:25 | 03/16/21 15:46 |
| MW05 | 2103245-05 | Water | 03/16/21 15:00 | 03/16/21 15:46 |
| MW06 | 2103245-06 | Water | 03/16/21 14:55 | 03/16/21 15:46 |

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

2103245

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 119th Ave

City/State/Zip: Broomfield, CO 80020

Phone: 303-487-1228 Fax:

Sampler Name: Brian Gabel, Steve Casaleggio

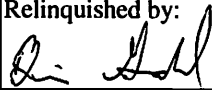

Project Manager: Brian Humphrey / Steve Weathers

E-Mail: bhumphrey@tasman-gso.com / sweathers@dcpmidstream.com

Project Name: Menbourn CND

Project Number:

| Sample Description | Date Sampled | Time Sampled | Number of Containers | Preservative | | | | Matrix | | | Analyze For: | | | | | | | | Special Instructions | | |
|--------------------|--------------|--------------|----------------------|--------------|------------------|------|-----------------|-------------|------|-------------------------|-----------------|--------------------|-----------------|-----|-------------------|--|--|--|----------------------|--|--|
| | | | | HCl | HNO ₃ | None | Other (Specify) | Groundwater | Soil | Air - Canister Serial # | Other (Specify) | BTEX + Naphthalene | 1,2,4,1,3,5-TMB | TDS | Chloride, Sulfate | | | | | | |
| MW01 | 3/16/21 | 1450 | 3 | | | X | | X | | | | X | X | | | | | | | | |
| MW02 | | 1445 | 4 | | | X | | X | | | | X | X | X | X | | | | | | |
| MW03 | | 1430 | 3 | | | X | | X | | | | X | X | | | | | | | | |
| MW04 | | 1425 | 4 | | | X | | X | | | | X | X | X | X | | | | | | |
| MW05 | | 1500 | 3 | | | X | | X | | | | X | X | | | | | | | | |
| MW06 | | 1455 | 4 | | | X | | X | | | | X | X | X | X | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |

| | | | | | |
|--|-------------------------|--|----------------------------|---|--------|
| Relinquished by:  | Date/Time: 3/16/21 1546 | Received by:  | Date/Time: 03/16/2021 1546 | Turn Around Time (Check): Same Day <input type="checkbox"/> 72 Hours <input type="checkbox"/> 24 Hours <input checked="" type="checkbox"/> Standard <input type="checkbox"/> 48 Hours <input type="checkbox"/> | Notes: |
| Relinquished by: | Date/Time: | Received by: | Date/Time: | Sample Integrity: Temperature Upon Receipt: 2.7 Intact: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | |
| Relinquished by: | Date/Time: | Received in Lab by: | Date/Time: | | |

Sample Receipt Checklist

S2 Work Order 2103245

Client: DOP/TAMM Client Project ID: Mawbourn CND

Shipped Via: ☐ H.D./P.U./FedEx/UPS/USPS/Other ☒ Airbill #: _____

Matrix (check all that apply): ☐ Air ☐ Soil/Solid ☒ Water ☐ Other: _____ (Describe)

Temp (°C) 2.7

Thermometer ID: 61857155-K

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

Custodian Printed Name or Initials 83

Signature of Custodian [Signature]

Date/Time 03/16/2021



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

Project: Mewbourn CND

Project Number: [none]

Project Manager: Brian Humphrey

Reported:
03/18/21 14:40

MW01
2103245-01 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/16/21 14:50**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------------|------------|-----------|--|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| Benzene | 420 | 100 | | ug/l | 100 | BEC0286 | 03/16/21 | 03/16/21 | EPA 8260B | |
| Toluene | ND | 1.0 | | " | 1 | " | " | 03/17/21 | " | |
| Ethylbenzene | 500 | 100 | | " | 100 | " | " | 03/16/21 | " | |
| Xylenes (total) | 370 | 2.0 | | " | 1 | " | " | 03/17/21 | " | |
| Naphthalene | 29 | 1.0 | | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | 130 | 1.0 | | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | 75 | 1.0 | | " | " | " | " | " | " | |

Date Sampled: **03/16/21 14:50**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 120 % | | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 108 % | | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 120 % | | 21-167 | | " | " | " | " | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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

Project: Mewbourn CND

Project Number: [none]

Project Manager: Brian Humphrey

Reported:
03/18/21 14:40

MW02
2103245-02 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/16/21 14:45**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------------|-------------|-----------|--|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| Benzene | 1900 | 100 | | ug/l | 100 | BEC0286 | 03/16/21 | 03/16/21 | EPA 8260B | |
| Toluene | 3.8 | 1.0 | | " | 1 | " | " | 03/17/21 | " | |
| Ethylbenzene | 510 | 100 | | " | 100 | " | " | 03/16/21 | " | |
| Xylenes (total) | 250 | 2.0 | | " | 1 | " | " | 03/17/21 | " | |
| Naphthalene | 25 | 1.0 | | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | 320 | 1.0 | | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | 150 | 1.0 | | " | " | " | " | " | " | |

Date Sampled: **03/16/21 14:45**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|--------|-----------|--|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | | |
| <i>Surrogate: 1,2-Dichloroethane-d4</i> | | 116 % | | 23-173 | | " | " | " | " | |
| <i>Surrogate: Toluene-d8</i> | | 111 % | | 20-170 | | " | " | " | " | |
| <i>Surrogate: 4-Bromofluorobenzene</i> | | 111 % | | 21-167 | | " | " | " | " | |

Anions by EPA Method 300.0

Date Sampled: **03/16/21 14:45**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------|-------------|-----------|--|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| Sulfate | 4.34 | 0.300 | | mg/L | 1 | BEC0273 | 03/16/21 | 03/17/21 | EPA 300.0 | |
| Chloride | 68.2 | 0.600 | | " | 10 | " | " | " | " | |

Total Dissolved Solids by SM2540C

Date Sampled: **03/16/21 14:45**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------------|------------|-----------|--|-------|----------|---------|----------|----------|---------|-------|
| | | Limit | | | | | | | | |
| Total Dissolved Solids | 620 | 10.0 | | mg/L | 1 | BEC0290 | 03/17/21 | 03/17/21 | SM2540C | |

Summit Scientific

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

Project: Mewbourn CND
Project Number: [none]
Project Manager: Brian Humphrey

Reported:
03/18/21 14:40

MW03
2103245-03 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/16/21 14:30**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------------|------------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Benzene | 120 | 1.0 | ug/l | 1 | BEC0286 | 03/16/21 | 03/16/21 | EPA 8260B | |
| Toluene | ND | 1.0 | " | " | " | " | " | " | |
| Ethylbenzene | 70 | 1.0 | " | " | " | " | " | " | |
| Xylenes (total) | 300 | 2.0 | " | " | " | " | " | " | |
| Naphthalene | 3.0 | 1.0 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | 79 | 1.0 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | 29 | 1.0 | " | " | " | " | " | " | |

Date Sampled: **03/16/21 14:30**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | Units | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 105 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 110 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 114 % | 21-167 | | " | " | " | " | |

Summit Scientific

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

Project: Mewbourn CND
Project Number: [none]
Project Manager: Brian Humphrey

Reported:
03/18/21 14:40

MW04
2103245-04 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/16/21 14:25**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------------|------------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | |
| Benzene | 45 | 1.0 | ug/l | 1 | BEC0286 | 03/16/21 | 03/17/21 | EPA 8260B | |
| Toluene | ND | 1.0 | " | " | " | " | " | " | |
| Ethylbenzene | 20 | 1.0 | " | " | " | " | " | " | |
| Xylenes (total) | 67 | 2.0 | " | " | " | " | " | " | |
| Naphthalene | 5.1 | 1.0 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | 310 | 1.0 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | 250 | 1.0 | " | " | " | " | " | " | |

Date Sampled: **03/16/21 14:25**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 106 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 108 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 111 % | 21-167 | | " | " | " | " | |

Anions by EPA Method 300.0

Date Sampled: **03/16/21 14:25**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------|-------------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | |
| Chloride | 4.55 | 0.0600 | mg/L | 1 | BEC0273 | 03/16/21 | 03/17/21 | EPA 300.0 | |
| Sulfate | 11.0 | 3.00 | " | 10 | " | " | " | " | |

Total Dissolved Solids by SM2540C

Date Sampled: **03/16/21 14:25**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------------|------------|-----------|-------|----------|---------|----------|----------|---------|-------|
| | | Limit | | | | | | | |
| Total Dissolved Solids | 436 | 10.0 | mg/L | 1 | BEC0290 | 03/17/21 | 03/17/21 | SM2540C | |

Summit Scientific

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

Project: Mewbourn CND

Project Number: [none]

Project Manager: Brian Humphrey

Reported:
03/18/21 14:40

MW05
2103245-05 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/16/21 15:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------------|------------|-----------|--|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| Benzene | 9.4 | 1.0 | | ug/l | 1 | BEC0286 | 03/16/21 | 03/16/21 | EPA 8260B | |
| Toluene | ND | 1.0 | | " | " | " | " | " | " | |
| Ethylbenzene | ND | 1.0 | | " | " | " | " | " | " | |
| Xylenes (total) | 6.7 | 2.0 | | " | " | " | " | " | " | |
| Naphthalene | ND | 1.0 | | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | 2.8 | 1.0 | | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 1.0 | | " | " | " | " | " | " | |

Date Sampled: **03/16/21 15:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 112 % | | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 108 % | | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 118 % | | 21-167 | | " | " | " | " | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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

Project: Mewbourn CND

Project Number: [none]

Project Manager: Brian Humphrey

Reported:

03/18/21 14:40

MW06
2103245-06 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/16/21 14:55**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | |
| Benzene | ND | 1.0 | ug/l | 1 | BEC0286 | 03/16/21 | 03/16/21 | EPA 8260B | |
| Toluene | ND | 1.0 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 1.0 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 2.0 | " | " | " | " | " | " | |
| Naphthalene | ND | 1.0 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | ND | 1.0 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 1.0 | " | " | " | " | " | " | |

Date Sampled: **03/16/21 14:55**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 98.3 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 108 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 104 % | 21-167 | | " | " | " | " | |

Anions by EPA Method 300.0

Date Sampled: **03/16/21 14:55**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------|------------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | |
| Sulfate | 194 | 3.00 | mg/L | 10 | BEC0273 | 03/16/21 | 03/17/21 | EPA 300.0 | |
| Chloride | 168 | 0.600 | " | " | " | " | " | " | |

Total Dissolved Solids by SM2540C

Date Sampled: **03/16/21 14:55**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------------|------------|-----------|-------|----------|---------|----------|----------|---------|-------|
| | | Limit | | | | | | | |
| Total Dissolved Solids | 780 | 10.0 | mg/L | 1 | BEC0290 | 03/17/21 | 03/17/21 | SM2540C | |

Summit Scientific

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

Project: Mewbourn CND
Project Number: [none]
Project Manager: Brian Humphrey

Reported:
03/18/21 14:40

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

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

Batch BEC0286 - EPA 5030 Water MS

Blank (BEC0286-BLK1)

Prepared: 03/16/21 Analyzed: 03/17/21

| | | | | | | | | | | |
|----------------------------------|------|-----|------|------|--|------|--------|--|--|--|
| Benzene | ND | 1.0 | ug/l | | | | | | | |
| Toluene | ND | 1.0 | " | | | | | | | |
| Ethylbenzene | ND | 1.0 | " | | | | | | | |
| Xylenes (total) | ND | 2.0 | " | | | | | | | |
| Naphthalene | ND | 1.0 | " | | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 1.0 | " | | | | | | | |
| 1,3,5-Trimethylbenzene | ND | 1.0 | " | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 12.2 | | " | 13.3 | | 91.7 | 23-173 | | | |
| Surrogate: Toluene-d8 | 14.1 | | " | 13.3 | | 106 | 20-170 | | | |
| Surrogate: 4-Bromofluorobenzene | 14.0 | | " | 13.3 | | 105 | 21-167 | | | |

LCS (BEC0286-BS1)

Prepared: 03/16/21 Analyzed: 03/17/21

| | | | | | | | | | | |
|----------------------------------|------|-----|------|------|--|------|--------|--|--|--|
| Benzene | 22.7 | 1.0 | ug/l | 33.3 | | 68.2 | 51-132 | | | |
| Toluene | 40.3 | 1.0 | " | 33.3 | | 121 | 51-138 | | | |
| Ethylbenzene | 31.8 | 1.0 | " | 33.3 | | 95.5 | 58-146 | | | |
| m,p-Xylene | 64.7 | 2.0 | " | 66.7 | | 97.1 | 57-144 | | | |
| o-Xylene | 33.9 | 1.0 | " | 33.3 | | 102 | 53-146 | | | |
| Naphthalene | 31.6 | 1.0 | " | 33.3 | | 94.7 | 70-130 | | | |
| 1,2,4-Trimethylbenzene | 34.7 | 1.0 | " | 33.3 | | 104 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 34.8 | 1.0 | " | 33.3 | | 104 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 12.6 | | " | 13.3 | | 94.7 | 23-173 | | | |
| Surrogate: Toluene-d8 | 14.2 | | " | 13.3 | | 106 | 20-170 | | | |
| Surrogate: 4-Bromofluorobenzene | 13.4 | | " | 13.3 | | 101 | 21-167 | | | |

Matrix Spike (BEC0286-MS1)

Source: 2103205-11

Prepared: 03/16/21 Analyzed: 03/17/21

| | | | | | | | | | | |
|----------------------------------|------|-----|------|------|----|------|--------|--|--|--|
| Benzene | 22.8 | 1.0 | ug/l | 33.3 | ND | 68.6 | 34-141 | | | |
| Toluene | 40.6 | 1.0 | " | 33.3 | ND | 122 | 27-151 | | | |
| Ethylbenzene | 32.0 | 1.0 | " | 33.3 | ND | 95.9 | 29-160 | | | |
| m,p-Xylene | 64.6 | 2.0 | " | 66.7 | ND | 96.9 | 20-166 | | | |
| o-Xylene | 33.1 | 1.0 | " | 33.3 | ND | 99.4 | 33-159 | | | |
| Naphthalene | 33.6 | 1.0 | " | 33.3 | ND | 101 | 70-130 | | | |
| 1,2,4-Trimethylbenzene | 34.8 | 1.0 | " | 33.3 | ND | 104 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 34.8 | 1.0 | " | 33.3 | ND | 104 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 13.7 | | " | 13.3 | | 103 | 23-173 | | | |
| Surrogate: Toluene-d8 | 14.6 | | " | 13.3 | | 109 | 20-170 | | | |
| Surrogate: 4-Bromofluorobenzene | 13.4 | | " | 13.3 | | 101 | 21-167 | | | |

Summit Scientific

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

Project: Mewbourn CND
Project Number: [none]
Project Manager: Brian Humphrey

Reported:
03/18/21 14:40

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

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

Batch BEC0286 - EPA 5030 Water MS

| Matrix Spike Dup (BEC0286-MSD1) | Source: 2103205-11 | | | Prepared: 03/16/21 Analyzed: 03/17/21 | | | | | | |
|----------------------------------|--------------------|-----|------|---------------------------------------|----|------|--------|------|----|--|
| Benzene | 21.8 | 1.0 | ug/l | 33.3 | ND | 65.4 | 34-141 | 4.70 | 30 | |
| Toluene | 39.0 | 1.0 | " | 33.3 | ND | 117 | 27-151 | 4.02 | 30 | |
| Ethylbenzene | 31.3 | 1.0 | " | 33.3 | ND | 94.0 | 29-160 | 1.96 | 30 | |
| m,p-Xylene | 62.8 | 2.0 | " | 66.7 | ND | 94.2 | 20-166 | 2.78 | 30 | |
| o-Xylene | 32.2 | 1.0 | " | 33.3 | ND | 96.7 | 33-159 | 2.72 | 30 | |
| Naphthalene | 34.6 | 1.0 | " | 33.3 | ND | 104 | 70-130 | 3.11 | 30 | |
| 1,2,4-Trimethylbenzene | 33.7 | 1.0 | " | 33.3 | ND | 101 | 70-130 | 3.27 | 30 | |
| 1,3,5-Trimethylbenzene | 34.4 | 1.0 | " | 33.3 | ND | 103 | 70-130 | 1.18 | 30 | |
| Surrogate: 1,2-Dichloroethane-d4 | 13.8 | | " | 13.3 | | 103 | 23-173 | | | |
| Surrogate: Toluene-d8 | 14.5 | | " | 13.3 | | 108 | 20-170 | | | |
| Surrogate: 4-Bromofluorobenzene | 13.8 | | " | 13.3 | | 104 | 21-167 | | | |

Summit Scientific

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

Project: Mewbourn CND

Project Number: [none]

Project Manager: Brian Humphrey

Reported:
03/18/21 14:40

Anions by EPA Method 300.0 - Quality Control

Summit Scientific

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

Batch BEC0273 - General Preparation

Blank (BEC0273-BLK1)

Prepared & Analyzed: 03/16/21

| | | | |
|----------|----|--------|------|
| Chloride | ND | 0.0600 | mg/L |
| Sulfate | ND | 0.300 | " |

LCS (BEC0273-BS1)

Prepared & Analyzed: 03/16/21

| | | | | | | |
|----------|------|--------|------|------|------|--------|
| Sulfate | 14.7 | 0.300 | mg/L | 15.0 | 98.3 | 90-110 |
| Chloride | 2.96 | 0.0600 | " | 3.00 | 98.5 | 90-110 |

Duplicate (BEC0273-DUP1)

Source: 2103205-02

Prepared: 03/16/21 Analyzed: 03/17/21

| | | | | | | |
|----------|------|------|------|------|-------|----|
| Sulfate | 52.4 | 15.0 | mg/L | 51.7 | 1.44 | 20 |
| Chloride | 14.7 | 3.00 | " | 14.8 | 0.678 | 20 |

Matrix Spike (BEC0273-MS1)

Source: 2103205-02

Prepared: 03/16/21 Analyzed: 03/17/21

| | | | | | | | |
|----------|-----|------|------|-----|------|-----|--------|
| Sulfate | 945 | 15.0 | mg/L | 750 | 51.7 | 119 | 80-120 |
| Chloride | 187 | 3.00 | " | 150 | 14.8 | 115 | 80-120 |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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

Project: Mewbourn CND

Project Number: [none]

Project Manager: Brian Humphrey

Reported:
03/18/21 14:40

Total Dissolved Solids by SM2540C - Quality Control

Summit Scientific

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

Batch BEC0290 - General Preparation

Blank (BEC0290-BLK1)

Prepared & Analyzed: 03/17/21

Total Dissolved Solids ND 10.0 mg/L

Duplicate (BEC0290-DUP1)

Source: 2103205-02

Prepared & Analyzed: 03/17/21

Total Dissolved Solids 564 10.0 mg/L 562 0.391 20

Summit Scientific

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

Project: Mewbourn CND

Project Number: [none]
Project Manager: Brian Humphrey

Reported:
03/18/21 14:40

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 |

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80401

303.277.9310

March 30, 2021

Brian Humphrey
Tasman Geosciences
6855 W. 119th Ave.
Broomfield, CO 80020
RE: Mewbourn CND

Enclosed are the results of analyses for samples received by Summit Scientific on 03/19/21 15:05. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read 'P. Shrewsbury', with a stylized, cursive script.

Paul Shrewsbury
President



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

Project: Mewbourn CND

Project Number: [none]

Project Manager: Brian Humphrey

Reported:
03/30/21 08:23

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|------------------|---------------|--------|----------------|----------------|
| MW-01 | 2103294-01 | Water | 03/19/21 12:20 | 03/19/21 15:05 |
| MW-02 | 2103294-02 | Water | 03/19/21 12:00 | 03/19/21 15:05 |
| MW-03 | 2103294-03 | Water | 03/19/21 11:50 | 03/19/21 15:05 |
| MW-04 | 2103294-04 | Water | 03/19/21 11:40 | 03/19/21 15:05 |
| MW-05 | 2103294-05 | Water | 03/19/21 12:40 | 03/19/21 15:05 |
| MW-06 | 2103294-06 | Water | 03/19/21 12:50 | 03/19/21 15:05 |
| Surface Water-01 | 2103294-07 | Water | 03/19/21 13:10 | 03/19/21 15:05 |

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

S₂

2103294

4653 Table Mountain Drive ♦ Golden, Colorado 80403
303-277-9310

Client: Tasman / DCP - Midstream Project Manager: Brian Humphrey / Chandler Cole Page 1 of 1
Address: 6855 W. 119 Ave Broomfield CO 80020 E-Mail: bhumphrey@tasman-ga.com ccole@dcpmidstream.com
City/State/Zip: Broomfield CO 80020
Phone: 303 - 487-1228 Project Name: Newbourn
Sampler Name: Steve Casalegno Project Number:

| ID | Sample Description | Date Sampled | Time Sampled | # of containers | Preservative | | | | Matrix | | | | Analysis Requested | | | | | | Special Instructions | |
|----|--------------------|--------------|--------------|-----------------|--------------|------|------|-------|--------|------|----------------|-------|-------------------------|-----------------------|---|---|--|--|----------------------|--|
| | | | | | HCl | HNO3 | None | Other | Water | Soil | Air-Canister # | Other | Table 915 Inorganics | Table 915 Organics | PHH's-Only's Fluoride/Benzene- Anthracene | | | | | |
| 1 | MW-01 | 3/19/21 | 12:20 | 2 | | | | | X | | | | | X | | X | | | | |
| 2 | MW-02 | 3/19/21 | 12:00 | 1 | | | | | X | | | | | | | X | | | | |
| 3 | MW-03 | 3/19/21 | 11:50 | 2 | | | | | X | | | | | X | | X | | | | |
| 4 | MW-04 | 3/19/21 | 11:40 | 1 | | | | | X | | | | | | | X | | | | |
| 5 | MW-05 | 3/19/21 | 12:40 | 2 | | | | | X | | | | | X | | X | | | | |
| 6 | MW-06 | 3/19/21 | 12:50 | 1 | | | | | X | | | | | | | X | | | | |
| 7 | Surface Water - 01 | 3/19/20 | 13:10 | 5 | | | | | X | | | | | X | X | X | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | |

| | | | |
|---|--|---|--------|
| Relinquished by: <u>[Signature]</u> Date/Time: <u>3/19/21 15:05</u> | Received by: <u>[Signature]</u> Date/Time: <u>3-21 15:05</u> | Turn Around Time (Check) Same Day <u> </u> 72 hours <u>X</u> 24 hours <u> </u> Standard <u> </u> 48 hours <u> </u> | Notes: |
| Relinquished by: <u> </u> Date/Time: <u> </u> | Received by: <u> </u> Date/Time: <u> </u> | Sample Integrity: Temperature Upon Receipt: <u>9.6</u> Samples Intact: <u>Yes</u> No <u> </u> | |
| Relinquished by: <u> </u> Date/Time: <u> </u> | Received by: <u> </u> Date/Time: <u> </u> | | |

Sample Receipt Checklist

S2 Work Order 2103294

Client: TASMAN/DCP Client Project ID: MEWBURN

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

Matrix (check all that apply): _____ Air _____ Soil/Solid ☒ Water _____ Other: _____
(Describe)

| | |
|-----------|-----|
| Temp (°C) | 9.6 |
|-----------|-----|

Thermometer ID: 61857155-K

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

Additional Comments (if any):

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

Nursi R
Custodian Printed Name or Initials

RA
Signature of Custodian

3-19-21
Date/Time



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

Project: Mewbourn CND

Project Number: [none]

Project Manager: Brian Humphrey

Reported:
03/30/21 08:23

MW-01
2103294-01 (Water)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **03/19/21 12:20**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|-------------|-----------|--------|-------|----------|---------|----------|----------|---------------|-------|
| | | Limit | MDL | | | | | | | |
| Benzo (a) anthracene | ND | 0.100 | 0.0220 | ug/l | 1 | BEC0418 | 03/24/21 | 03/25/21 | EPA 8270D SIM | |
| Fluorene | 6.50 | 0.200 | 0.0222 | " | " | " | " | " | " | |

Date Sampled: **03/19/21 12:20**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------|-----|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | MDL | | | | | | | |
| Surrogate: 2-Methylnaphthalene-d10 | | 87.8 % | | 40-150 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | | 80.9 % | | 40-150 | | " | " | " | " | |

Anions by EPA Method 300.0

Date Sampled: **03/19/21 12:20**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------|-------------|-----------|-------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| Sulfate | 1740 | 60.0 | 1.41 | mg/L | 200 | BEC0405 | 03/24/21 | 03/25/21 | EPA 300.0 | |
| Chloride | 291 | 12.0 | 0.290 | " | " | " | " | " | " | |

Total Dissolved Solids by SM2540C

Date Sampled: **03/19/21 12:20**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------------|-------------|-----------|------|-------|----------|---------|----------|----------|---------|-------|
| | | Limit | MDL | | | | | | | |
| Total Dissolved Solids | 1050 | 10.0 | 10.0 | mg/L | 1 | BEC0404 | 03/24/21 | 03/24/21 | SM2540C | |

Summit Scientific

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

Project: Mewbourn CND

Project Number: [none]

Project Manager: Brian Humphrey

Reported:
03/30/21 08:23

MW-02
2103294-02 (Water)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **03/19/21 12:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|-------------|-----------|--------|-------|----------|---------|----------|----------|---------------|-------|
| | | Limit | MDL | | | | | | | |
| Benzo (a) anthracene | ND | 0.100 | 0.0220 | ug/l | 1 | BEC0418 | 03/24/21 | 03/26/21 | EPA 8270D SIM | |
| Fluorene | 2.56 | 0.200 | 0.0222 | " | " | " | " | " | " | |

Date Sampled: **03/19/21 12:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------|-----|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | MDL | | | | | | | |
| Surrogate: 2-Methylnaphthalene-d10 | | 58.0 % | | 40-150 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | | 50.7 % | | 40-150 | | " | " | " | " | |

Summit Scientific

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

Project: Mewbourn CND

Project Number: [none]

Project Manager: Brian Humphrey

Reported:
03/30/21 08:23

MW-03
2103294-03 (Water)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **03/19/21 11:50**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------|--------|-------|----------|---------|----------|----------|---------------|-------|
| | | Limit | MDL | | | | | | | |
| Benzo (a) anthracene | ND | 0.100 | 0.0220 | ug/l | 1 | BEC0418 | 03/24/21 | 03/26/21 | EPA 8270D SIM | |
| Fluorene | ND | 0.200 | 0.0222 | " | " | " | " | " | " | |

Date Sampled: **03/19/21 11:50**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------|-----|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | MDL | | | | | | | |
| Surrogate: 2-Methylnaphthalene-d10 | | 79.2 % | | 40-150 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | | 74.8 % | | 40-150 | | " | " | " | " | |

Anions by EPA Method 300.0

Date Sampled: **03/19/21 11:50**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|-------------|-----------|-------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| Chloride | 104 | 12.0 | 0.290 | mg/L | 200 | BEC0405 | 03/24/21 | 03/25/21 | EPA 300.0 | |
| Sulfate | 1790 | 60.0 | 1.41 | " | " | " | " | " | " | |

Total Dissolved Solids by SM2540C

Date Sampled: **03/19/21 11:50**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|------------|-----------|------|-------|----------|---------|----------|----------|---------|-------|
| | | Limit | MDL | | | | | | | |
| Total Dissolved Solids | 441 | 10.0 | 10.0 | mg/L | 1 | BEC0404 | 03/24/21 | 03/24/21 | SM2540C | |

Summit Scientific

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

Project: Mewbourn CND

Project Number: [none]

Project Manager: Brian Humphrey

Reported:
03/30/21 08:23

MW-04
2103294-04 (Water)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **03/19/21 11:40**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|-------------|-----------|--------|-------|----------|---------|----------|----------|---------------|-------|
| | | Limit | MDL | | | | | | | |
| Benzo (a) anthracene | ND | 0.100 | 0.0220 | ug/l | 1 | BEC0418 | 03/24/21 | 03/26/21 | EPA 8270D SIM | |
| Fluorene | 1.76 | 0.200 | 0.0222 | " | " | " | " | " | " | |

Date Sampled: **03/19/21 11:40**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------|-----|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | MDL | | | | | | | |
| Surrogate: 2-Methylnaphthalene-d10 | | 99.1 % | | 40-150 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | | 74.2 % | | 40-150 | | " | " | " | " | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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

Project: Mewbourn CND

Project Number: [none]

Project Manager: Brian Humphrey

Reported:
03/30/21 08:23

MW-05
2103294-05 (Water)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **03/19/21 12:40**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|-------------|-----------|--------|-------|----------|---------|----------|----------|---------------|-------|
| | | Limit | MDL | | | | | | | |
| Benzo (a) anthracene | ND | 0.100 | 0.0220 | ug/l | 1 | BEC0418 | 03/24/21 | 03/26/21 | EPA 8270D SIM | |
| Fluorene | 1.35 | 0.200 | 0.0222 | " | " | " | " | " | " | |

Date Sampled: **03/19/21 12:40**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------|-----|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | MDL | | | | | | | |
| Surrogate: 2-Methylnaphthalene-d10 | | 94.1 % | | 40-150 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | | 86.1 % | | 40-150 | | " | " | " | " | |

Anions by EPA Method 300.0

Date Sampled: **03/19/21 12:40**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------|-------------|-----------|-------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| Chloride | 240 | 12.0 | 0.290 | mg/L | 200 | BEC0405 | 03/24/21 | 03/25/21 | EPA 300.0 | |
| Sulfate | 1810 | 60.0 | 1.41 | " | " | " | " | " | " | |

Total Dissolved Solids by SM2540C

Date Sampled: **03/19/21 12:40**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------------|------------|-----------|------|-------|----------|---------|----------|----------|---------|-------|
| | | Limit | MDL | | | | | | | |
| Total Dissolved Solids | 803 | 10.0 | 10.0 | mg/L | 1 | BEC0404 | 03/24/21 | 03/24/21 | SM2540C | |

Summit Scientific

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

Project: Mewbourn CND

Project Number: [none]

Project Manager: Brian Humphrey

Reported:
03/30/21 08:23

MW-06
2103294-06 (Water)

Summit Scientific

PAH by EPA Method 8270D SIM

Date Sampled: **03/19/21 12:50**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------|--------|-------|----------|---------|----------|----------|---------------|-------|
| | | Limit | MDL | | | | | | | |
| Benzo (a) anthracene | ND | 0.100 | 0.0220 | ug/l | 1 | BEC0418 | 03/24/21 | 03/26/21 | EPA 8270D SIM | |
| Fluorene | ND | 0.200 | 0.0222 | " | " | " | " | " | " | |

Date Sampled: **03/19/21 12:50**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------|-----|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | MDL | | | | | | | |
| Surrogate: 2-Methylnaphthalene-d10 | | 99.5 % | | 40-150 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | | 94.8 % | | 40-150 | | " | " | " | " | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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

Project: Mewbourn CND

Project Number: [none]

Project Manager: Brian Humphrey

Reported:
03/30/21 08:23

Surface Water-01
2103294-07 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/19/21 13:10**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|--------|-----------|-------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| Benzene | ND | 1.0 | 0.043 | ug/l | 1 | BEC0368 | 03/22/21 | 03/23/21 | EPA 8260B | |
| Toluene | ND | 1.0 | 0.061 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 1.0 | 0.068 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 2.0 | 0.14 | " | " | " | " | " | " | |
| Naphthalene | ND | 1.0 | 0.10 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | ND | 1.0 | 0.068 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 1.0 | 0.069 | " | " | " | " | " | " | |

Date Sampled: **03/19/21 13:10**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|-----|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | MDL | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 128 % | | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 108 % | | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 118 % | | 21-167 | | " | " | " | " | |

PAH by EPA Method 8270D SIM

R-01

Date Sampled: **03/19/21 13:10**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------|--------|-----------|-------|-------|----------|---------|----------|----------|---------------|-------|
| | | Limit | MDL | | | | | | | |
| Benzo (a) anthracene | ND | 1.00 | 0.220 | ug/l | 10 | BEC0418 | 03/24/21 | 03/26/21 | EPA 8270D SIM | |
| Fluorene | ND | 2.00 | 0.222 | " | " | " | " | " | " | |

Date Sampled: **03/19/21 13:10**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|--------|-----------|-----|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | MDL | | | | | | | |
| Surrogate: 2-Methylnaphthalene-d10 | | 53.7 % | | 40-150 | | " | " | " | " | |
| Surrogate: Fluoranthene-d10 | | 58.2 % | | 40-150 | | " | " | " | " | |

Anions by EPA Method 300.0

Summit Scientific

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

Project: Mewbourn CND

Project Number: [none]

Project Manager: Brian Humphrey

Reported:
03/30/21 08:23

Surface Water-01
2103294-07 (Water)

Summit Scientific

Anions by EPA Method 300.0

Date Sampled: **03/19/21 13:10**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------|-------------|-----------|-------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | MDL | | | | | | | |
| Sulfate | 2140 | 60.0 | 1.41 | mg/L | 200 | BEC0405 | 03/24/21 | 03/25/21 | EPA 300.0 | |
| Chloride | 264 | 12.0 | 0.290 | " | " | " | " | " | " | |

Total Dissolved Solids by SM2540C

Date Sampled: **03/19/21 13:10**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-------------------------------|------------|-----------|------|-------|----------|---------|----------|----------|---------|-------|
| | | Limit | MDL | | | | | | | |
| Total Dissolved Solids | 783 | 10.0 | 10.0 | mg/L | 1 | BEC0404 | 03/24/21 | 03/24/21 | SM2540C | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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

Project: Mewbourn CND

Project Number: [none]

Project Manager: Brian Humphrey

Reported:
03/30/21 08:23

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

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

Batch BEC0368 - EPA 5030 Water MS

Blank (BEC0368-BLK1)

Prepared & Analyzed: 03/22/21

| | | | | | | | | | | |
|----------------------------------|------|-----|------|------|--|-----|--------|--|--|--|
| Benzene | ND | 1.0 | ug/l | | | | | | | |
| Toluene | ND | 1.0 | " | | | | | | | |
| Ethylbenzene | ND | 1.0 | " | | | | | | | |
| Xylenes (total) | ND | 2.0 | " | | | | | | | |
| Naphthalene | ND | 1.0 | " | | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 1.0 | " | | | | | | | |
| 1,3,5-Trimethylbenzene | ND | 1.0 | " | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 15.0 | | " | 13.3 | | 113 | 23-173 | | | |
| Surrogate: Toluene-d8 | 14.0 | | " | 13.3 | | 105 | 20-170 | | | |
| Surrogate: 4-Bromofluorobenzene | 15.0 | | " | 13.3 | | 113 | 21-167 | | | |

LCS (BEC0368-BS1)

Prepared & Analyzed: 03/22/21

| | | | | | | | | | | |
|----------------------------------|------|-----|------|------|--|------|--------|--|--|--|
| Benzene | 34.5 | 1.0 | ug/l | 33.3 | | 103 | 51-132 | | | |
| Toluene | 27.4 | 1.0 | " | 33.3 | | 82.1 | 51-138 | | | |
| Ethylbenzene | 35.6 | 1.0 | " | 33.3 | | 107 | 58-146 | | | |
| m,p-Xylene | 69.0 | 2.0 | " | 66.7 | | 104 | 57-144 | | | |
| o-Xylene | 34.5 | 1.0 | " | 33.3 | | 104 | 53-146 | | | |
| Naphthalene | 34.7 | 1.0 | " | 33.3 | | 104 | 70-130 | | | |
| 1,2,4-Trimethylbenzene | 33.8 | 1.0 | " | 33.3 | | 101 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 43.4 | 1.0 | " | 33.3 | | 130 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 17.2 | | " | 13.3 | | 129 | 23-173 | | | |
| Surrogate: Toluene-d8 | 13.7 | | " | 13.3 | | 102 | 20-170 | | | |
| Surrogate: 4-Bromofluorobenzene | 15.6 | | " | 13.3 | | 117 | 21-167 | | | |

Matrix Spike (BEC0368-MS1)

Source: 2103279-01

Prepared & Analyzed: 03/22/21

| | | | | | | | | | | |
|----------------------------------|------|-----|------|------|----|------|--------|--|--|--|
| Benzene | 34.0 | 1.0 | ug/l | 33.3 | ND | 102 | 34-141 | | | |
| Toluene | 26.5 | 1.0 | " | 33.3 | ND | 79.6 | 27-151 | | | |
| Ethylbenzene | 35.5 | 1.0 | " | 33.3 | ND | 107 | 29-160 | | | |
| m,p-Xylene | 70.4 | 2.0 | " | 66.7 | ND | 106 | 20-166 | | | |
| o-Xylene | 35.5 | 1.0 | " | 33.3 | ND | 107 | 33-159 | | | |
| Naphthalene | 41.5 | 1.0 | " | 33.3 | ND | 125 | 70-130 | | | |
| 1,2,4-Trimethylbenzene | 34.8 | 1.0 | " | 33.3 | ND | 104 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 33.6 | 1.0 | " | 33.3 | ND | 101 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 17.4 | | " | 13.3 | | 130 | 23-173 | | | |
| Surrogate: Toluene-d8 | 13.9 | | " | 13.3 | | 104 | 20-170 | | | |
| Surrogate: 4-Bromofluorobenzene | 15.3 | | " | 13.3 | | 115 | 21-167 | | | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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

Project: Mewbourn CND

Project Number: [none]

Project Manager: Brian Humphrey

Reported:
03/30/21 08:23

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

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

Batch BEC0368 - EPA 5030 Water MS

| Matrix Spike Dup (BEC0368-MSD1) | Source: 2103279-01 | | | Prepared & Analyzed: 03/22/21 | | | | | | |
|----------------------------------|--------------------|-----|------|-------------------------------|----|------|--------|-------|----|--|
| Benzene | 34.1 | 1.0 | ug/l | 33.3 | ND | 102 | 34-141 | 0.440 | 30 | |
| Toluene | 26.4 | 1.0 | " | 33.3 | ND | 79.2 | 27-151 | 0.491 | 30 | |
| Ethylbenzene | 36.5 | 1.0 | " | 33.3 | ND | 109 | 29-160 | 2.58 | 30 | |
| m,p-Xylene | 73.3 | 2.0 | " | 66.7 | ND | 110 | 20-166 | 4.08 | 30 | |
| o-Xylene | 34.3 | 1.0 | " | 33.3 | ND | 103 | 33-159 | 3.49 | 30 | |
| Naphthalene | 40.6 | 1.0 | " | 33.3 | ND | 122 | 70-130 | 2.22 | 30 | |
| 1,2,4-Trimethylbenzene | 34.9 | 1.0 | " | 33.3 | ND | 105 | 70-130 | 0.430 | 30 | |
| 1,3,5-Trimethylbenzene | 35.4 | 1.0 | " | 33.3 | ND | 106 | 70-130 | 5.31 | 30 | |
| Surrogate: 1,2-Dichloroethane-d4 | 16.6 | | " | 13.3 | | 125 | 23-173 | | | |
| Surrogate: Toluene-d8 | 13.6 | | " | 13.3 | | 102 | 20-170 | | | |
| Surrogate: 4-Bromofluorobenzene | 16.4 | | " | 13.3 | | 123 | 21-167 | | | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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

Project: Mewbourn CND

Project Number: [none]

Project Manager: Brian Humphrey

Reported:
03/30/21 08:23

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

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

Batch BEC0418 - EPA 5030 Water MS

Blank (BEC0418-BLK1)

Prepared: 03/24/21 Analyzed: 03/26/21

| | | | | | | | | | | |
|------------------------------------|------|-------|------|------|--|------|--------|--|--|--|
| Acenaphthene | ND | 0.500 | ug/l | | | | | | | |
| Acenaphthylene | ND | 0.200 | " | | | | | | | |
| Anthracene | ND | 0.200 | " | | | | | | | |
| Benzo (a) anthracene | ND | 0.100 | " | | | | | | | |
| Benzo (b) fluoranthene | ND | 0.200 | " | | | | | | | |
| Benzo (k) fluoranthene | ND | 0.200 | " | | | | | | | |
| Benzo (g,h,i) perylene | ND | 0.200 | " | | | | | | | |
| Benzo (a) pyrene | ND | 0.200 | " | | | | | | | |
| Chrysene | ND | 0.200 | " | | | | | | | |
| Dibenz (a,h) anthracene | ND | 0.200 | " | | | | | | | |
| Fluoranthene | ND | 0.200 | " | | | | | | | |
| Fluorene | ND | 0.200 | " | | | | | | | |
| Indeno (1,2,3-cd) pyrene | ND | 0.300 | " | | | | | | | |
| Naphthalene | ND | 0.200 | " | | | | | | | |
| Phenanthrene | ND | 0.500 | " | | | | | | | |
| Pyrene | ND | 1.00 | " | | | | | | | |
| Surrogate: 2-Methylnaphthalene-d10 | 1.79 | | " | 2.00 | | 89.3 | 40-150 | | | |
| Surrogate: Fluoranthene-d10 | 1.74 | | " | 2.00 | | 87.1 | 40-150 | | | |

LCS (BEC0418-BS1)

Prepared: 03/24/21 Analyzed: 03/26/21

| | | | | | | | | | | |
|------------------------------------|------|-------|------|------|--|------|--------|--|--|--|
| Acenaphthene | 1.93 | 0.500 | ug/l | 2.00 | | 96.4 | 30-120 | | | |
| Acenaphthylene | 1.89 | 0.200 | " | 2.00 | | 94.6 | 30-120 | | | |
| Anthracene | 1.96 | 0.200 | " | 2.00 | | 98.0 | 30-120 | | | |
| Benzo (a) anthracene | 2.13 | 0.100 | " | 2.00 | | 106 | 30-120 | | | |
| Benzo (b) fluoranthene | 1.17 | 0.200 | " | 2.00 | | 58.6 | 30-120 | | | |
| Benzo (k) fluoranthene | 1.09 | 0.200 | " | 2.00 | | 54.7 | 30-120 | | | |
| Benzo (g,h,i) perylene | 1.55 | 0.200 | " | 2.00 | | 77.7 | 30-120 | | | |
| Benzo (a) pyrene | 2.21 | 0.200 | " | 2.00 | | 110 | 30-120 | | | |
| Chrysene | 1.87 | 0.200 | " | 2.00 | | 93.5 | 30-120 | | | |
| Dibenz (a,h) anthracene | 1.78 | 0.200 | " | 2.00 | | 88.8 | 30-120 | | | |
| Fluoranthene | 2.01 | 0.200 | " | 2.00 | | 101 | 30-120 | | | |
| Fluorene | 1.73 | 0.200 | " | 2.00 | | 86.7 | 30-120 | | | |
| Indeno (1,2,3-cd) pyrene | 2.26 | 0.300 | " | 2.00 | | 113 | 30-120 | | | |
| Naphthalene | 1.82 | 0.200 | " | 2.00 | | 90.8 | 30-120 | | | |
| Phenanthrene | 2.02 | 0.500 | " | 2.00 | | 101 | 30-120 | | | |
| Pyrene | 1.16 | 1.00 | " | 2.00 | | 57.9 | 30-120 | | | |
| Surrogate: 2-Methylnaphthalene-d10 | 1.86 | | " | 2.00 | | 92.8 | 40-150 | | | |
| Surrogate: Fluoranthene-d10 | 2.04 | | " | 2.00 | | 102 | 40-150 | | | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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

Project: Mewbourn CND

Project Number: [none]

Project Manager: Brian Humphrey

Reported:
03/30/21 08:23

PAH by EPA Method 8270D SIM - Quality Control

Summit Scientific

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

Batch BEC0418 - EPA 5030 Water MS

LCS Dup (BEC0418-BSD1)

Prepared: 03/24/21 Analyzed: 03/26/21

| | | | | | | | | | | |
|------------------------------------|------|-------|------|------|--|------|--------|--------|----|--|
| Acenaphthene | 1.93 | 0.500 | ug/l | 2.00 | | 96.3 | 30-120 | 0.110 | 30 | |
| Acenaphthylene | 1.89 | 0.200 | " | 2.00 | | 94.3 | 30-120 | 0.367 | 30 | |
| Anthracene | 1.88 | 0.200 | " | 2.00 | | 94.0 | 30-120 | 4.23 | 30 | |
| Benzo (a) anthracene | 2.11 | 0.100 | " | 2.00 | | 106 | 30-120 | 0.746 | 30 | |
| Benzo (b) fluoranthene | 1.17 | 0.200 | " | 2.00 | | 58.6 | 30-120 | 0.0102 | 30 | |
| Benzo (k) fluoranthene | 1.09 | 0.200 | " | 2.00 | | 54.6 | 30-120 | 0.172 | 30 | |
| Benzo (g,h,i) perylene | 1.53 | 0.200 | " | 2.00 | | 76.7 | 30-120 | 1.30 | 30 | |
| Benzo (a) pyrene | 2.12 | 0.200 | " | 2.00 | | 106 | 30-120 | 3.98 | 30 | |
| Chrysene | 1.88 | 0.200 | " | 2.00 | | 93.9 | 30-120 | 0.426 | 30 | |
| Dibenz (a,h) anthracene | 1.78 | 0.200 | " | 2.00 | | 89.0 | 30-120 | 0.254 | 30 | |
| Fluoranthene | 1.98 | 0.200 | " | 2.00 | | 99.2 | 30-120 | 1.50 | 30 | |
| Fluorene | 2.03 | 0.200 | " | 2.00 | | 101 | 30-120 | 15.6 | 30 | |
| Indeno (1,2,3-cd) pyrene | 2.26 | 0.300 | " | 2.00 | | 113 | 30-120 | 0.231 | 30 | |
| Naphthalene | 1.87 | 0.200 | " | 2.00 | | 93.6 | 30-120 | 2.99 | 30 | |
| Phenanthrene | 1.94 | 0.500 | " | 2.00 | | 96.9 | 30-120 | 4.34 | 30 | |
| Pyrene | 1.17 | 1.00 | " | 2.00 | | 58.6 | 30-120 | 1.25 | 30 | |
| Surrogate: 2-Methylnaphthalene-d10 | 1.97 | | " | 2.00 | | 98.7 | 40-150 | | | |
| Surrogate: Fluoranthene-d10 | 1.99 | | " | 2.00 | | 99.3 | 40-150 | | | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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

Project: Mewbourn CND

Project Number: [none]

Project Manager: Brian Humphrey

Reported:
03/30/21 08:23

Anions by EPA Method 300.0 - Quality Control

Summit Scientific

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

Batch BEC0405 - General Preparation

Blank (BEC0405-BLK1)

Prepared: 03/24/21 Analyzed: 03/25/21

| | | | |
|----------|----|--------|------|
| Sulfate | ND | 0.300 | mg/L |
| Chloride | ND | 0.0600 | " |

LCS (BEC0405-BS1)

Prepared: 03/24/21 Analyzed: 03/25/21

| | | | | | | |
|----------|------|--------|------|------|------|--------|
| Sulfate | 14.3 | 0.300 | mg/L | 15.0 | 95.1 | 90-110 |
| Chloride | 2.93 | 0.0600 | " | 3.00 | 97.7 | 90-110 |

Duplicate (BEC0405-DUP1)

Source: 2103322-01

Prepared: 03/24/21 Analyzed: 03/25/21

| | | | | | | |
|----------|-------|--------|------|-------|-------|----|
| Sulfate | 11.7 | 0.300 | mg/L | 11.7 | 0.111 | 20 |
| Chloride | 11000 | 0.0600 | " | 10900 | 0.546 | 20 |

Matrix Spike (BEC0405-MS1)

Source: 2103322-01

Prepared: 03/24/21 Analyzed: 03/25/21

| | | | | | | | | |
|----------|-------|--------|------|------|-------|------|--------|-------|
| Chloride | 10500 | 0.0600 | mg/L | 3.00 | 10900 | NR | 80-120 | QM-02 |
| Sulfate | 23.9 | 0.300 | " | 15.0 | 11.7 | 81.7 | 80-120 | |

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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

Project: Mewbourn CND

Project Number: [none]

Project Manager: Brian Humphrey

Reported:
03/30/21 08:23

Total Dissolved Solids by SM2540C - Quality Control

Summit Scientific

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

Batch BEC0404 - General Preparation

Blank (BEC0404-BLK1)

Prepared & Analyzed: 03/24/21

Total Dissolved Solids ND 10.0 mg/L

Duplicate (BEC0404-DUP1)

Source: 2103294-01

Prepared & Analyzed: 03/24/21

Total Dissolved Solids 1090 10.0 mg/L 1050 4.20 20

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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

Project: Mewbourn CND

Project Number: [none]
Project Manager: Brian Humphrey

Reported:
03/30/21 08:23

Notes and Definitions

| | |
|-------|---|
| R-01 | The Reporting Limit for this analyte has been raised to account for matrix interference. |
| QM-02 | The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample. |
| 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 |



April 15, 2021

Tasman Geosciences

Brian Humphrey

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. April 12, 2021. This project is associated with Origins project number Y104191-01.

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

Brian Humphrey
Project Number: [none]
Project: DCP - Mewbourne

CROSS REFERENCE REPORT

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------|---------------|--------|----------------------|------------------|
| MW07 | Y104191-01 | Water | April 12, 2021 11:30 | 04/12/2021 15:30 |
| MW08 | Y104191-02 | Water | April 12, 2021 12:05 | 04/12/2021 15:30 |
| MW09 | Y104191-03 | Water | April 12, 2021 11:40 | 04/12/2021 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.

Brian Humphrey
Project Number: [none]
Project: DCP - Mewbourne

www.originslaboratory.com

page 1 of 1

15/10/19

ORIGINS

Client: DCP / T45m97

Address:

Brandfield, CO 80070

Brand: eld.

Telephone Number: _____

303-487-1228

Email Address: bhupinder@fasen-ges.com

cc:lpdp@dpw.com
Jwa15@tesman-yto.com

| | | | | |
|--|--|--|-----|--------------|
| | | | PFS | Preservative |
|--|--|--|-----|--------------|

[illegible]

Date Results Needed

Temp Received- 12.6

1

Origins Laboratory, Inc.

Menk

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

Brian Humphrey
Project Number: [none]
Project: DCP - Mewbourne

Origins Laboratory

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

Sample Receipt Checklist

Origins Work Order: Y104191

Client: Tasman

Client Project ID: Mewbourne

Checklist Completed by: SG

Shipped Via: HS

Date/time completed: 4/12/21

(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Airbill #: N/A

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

Cooler Number/Temperature: 1, 12.6 °C 1 °C 1 °C (Describe) 1 °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 ⁽¹⁾ ? | | <input checked="" type="checkbox"/> | | <u>Same Day</u> |
| 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 ⁽¹⁾ ? | <input checked="" type="checkbox"/> | | | |
| Was adequate sample volume provided ⁽¹⁾ ? | <input checked="" type="checkbox"/> | | | |
| Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ? | | <input checked="" type="checkbox"/> | | |
| Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ? | <input checked="" type="checkbox"/> | | | |
| Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ? | <input checked="" type="checkbox"/> | | | |
| Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ? | <input checked="" type="checkbox"/> | | | |
| Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ? | <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 ⁽¹⁾ ? (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 ₃ , HCL, H ₂ SO ₄) / (pH > 10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH) | | <input checked="" type="checkbox"/> | | |
| Additional Comments (if any): | | | | |

⁽¹⁾ 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) JP

Date/Time Reviewed 4/13/21

Origins Laboratory, Inc.

Jordan A. Merrill

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

Brian Humphrey
Project Number: [none]
Project: DCP - Mewbourne

MW07

4/12/2021 11:30:00AM

| Analyte | Result | Min Detection Limit | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Notes |
|---------|--------|---------------------|-----------------|-------|----------|-------|----------|----------|-------|
|---------|--------|---------------------|-----------------|-------|----------|-------|----------|----------|-------|

Origins Laboratory, Inc.
Y104191-01 (Water)

Anions by IC 300.0

| | | | | | | | | |
|----------|------|------|------|-----|---------|------------|------------|--|
| Chloride | ND | 62.5 | mg/L | 125 | B1D1216 | 04/12/2021 | 04/13/2021 | |
| Sulfate | 85.1 | 62.5 | " | " | " | " | " | |

BTEX+N+TMBs by 8260D

| | | | | | | | | |
|------------------------|----|------|------|---|---------|------------|------------|---|
| 1,2,4-Trimethylbenzene | ND | 1.00 | ug/L | 1 | B1D1303 | 04/13/2021 | 04/13/2021 | U |
| 1,3,5-Trimethylbenzene | ND | 1.00 | " | " | " | " | " | U |
| Benzene | ND | 1.00 | " | " | " | " | " | U |
| Ethylbenzene | ND | 1.00 | " | " | " | " | " | U |
| Naphthalene | ND | 4.00 | " | " | " | " | " | U |
| Toluene | ND | 1.00 | " | " | " | " | " | U |
| Xylenes, total | ND | 1.00 | " | " | " | " | " | U |

| | | | | | |
|----------------------------------|--------|--------|---|---|---|
| Surrogate: 1,2-Dichloroethane-d4 | 92.8 % | 70-130 | " | " | " |
| Surrogate: Toluene-d8 | 98.6 % | 70-130 | " | " | " |
| Surrogate: 4-Bromofluorobenzene | 103 % | 70-130 | " | " | " |

PAH by 8270D SIM

| | | | | | | | | | |
|-----------------------------|--------|---------|--------|------|---|---------|------------|------------|---|
| Benzo(a)anthracene | ND | 0.00511 | 0.02 | µg/L | 1 | L547095 | 04/14/2021 | 04/14/2021 | |
| Fluorene | 0.0143 | 0.00518 | 0.02 | " | " | " | " | " | J |
| Surrogate: 2-Fluorobiphenyl | 57 % | | 38-107 | | | " | " | " | |

Origins Laboratory, Inc.



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Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Brian Humphrey
Project Number: [none]
Project: DCP - Mewbourne

MW07**4/12/2021 11:30:00AM**

| Analyte | Result | Min Detection Limit | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Notes |
|---------|--------|------------------------|--------------------|-------|----------|-------|----------|----------|-------|
|---------|--------|------------------------|--------------------|-------|----------|-------|----------|----------|-------|

Waypoint Analytical, Inc.
Y104191-01 (Water)**PAH by 8270D SIM**

| | | | | | | | | | |
|----------------------------|--------|--|--------|--|--|-------------|------------|------------|--|
| Surrogate: 4-Terphenyl-d14 | 59.8 % | | 33-122 | | | L5470 95 | 04/14/2021 | 04/14/2021 | |
| Surrogate: Nitrobenzene-d5 | 51.6 % | | 29-110 | | | " | " | " | |

Total Dissolved Solids by 2540C

| | | | | | | | | | |
|------------------------|-----|--|------|------|---|---------|------------|------------|--|
| Total Dissolved Solids | 652 | | 5.00 | mg/L | 1 | B1D1304 | 04/13/2021 | 04/14/2021 | |
|------------------------|-----|--|------|------|---|---------|------------|------------|--|

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Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Brian Humphrey
Project Number: [none]
Project: DCP - Mewbourne

MW08

4/12/2021 12:05:00PM

| Analyte | Result | Min Detection Limit | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Notes |
|---------|--------|---------------------|-----------------|-------|----------|-------|----------|----------|-------|
|---------|--------|---------------------|-----------------|-------|----------|-------|----------|----------|-------|

Origins Laboratory, Inc. Y104191-02 (Water)

Anions by IC 300.0

| | | | | | | | | | |
|----------|------|--|------|------|-----|---------|------------|------------|--|
| Chloride | 89.9 | | 62.5 | mg/L | 125 | B1D1216 | 04/12/2021 | 04/13/2021 | |
| Sulfate | ND | | 62.5 | " | " | " | " | " | |

BTEX+N+TMBs by 8260D

| | | | | | | | | | |
|------------------------|------|--|------|------|---|---------|------------|------------|---|
| 1,2,4-Trimethylbenzene | 463 | | 4.00 | ug/L | 4 | B1D1303 | 04/13/2021 | 04/13/2021 | |
| 1,3,5-Trimethylbenzene | 296 | | 4.00 | " | " | " | " | " | |
| Benzene | ND | | 4.00 | " | " | " | " | " | U |
| Ethylbenzene | 154 | | 4.00 | " | " | " | " | " | |
| Naphthalene | ND | | 16.0 | " | " | " | " | " | U |
| Toluene | ND | | 4.00 | " | " | " | " | " | U |
| Xylenes, total | 1020 | | 4.00 | " | " | " | " | " | |

| | | | | | | | | | |
|----------------------------------|--------|--|--------|--|--|---|---|---|--|
| Surrogate: 1,2-Dichloroethane-d4 | 93.1 % | | 70-130 | | | " | " | " | |
| Surrogate: Toluene-d8 | 106 % | | 70-130 | | | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | 107 % | | 70-130 | | | " | " | " | |

PAH by 8270D SIM

| | | | | | | | | | |
|-----------------------------|--------|--------|--------|------|---|---------|------------|------------|--|
| Benzo(a)anthracene | ND | 0.0256 | 0.1 | ug/L | 5 | L547095 | 04/14/2021 | 04/14/2021 | |
| Fluorene | 0.667 | 0.0259 | 0.1 | " | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | 75 % | | 38-107 | | | " | " | " | |
| Surrogate: 4-Terphenyl-d14 | 79.7 % | | 33-122 | | | " | " | " | |

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Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Brian Humphrey
Project Number: [none]
Project: DCP - Mewbourne

MW08**4/12/2021 12:05:00PM**

| Analyte | Result | Min Detection Limit | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Notes |
|---------|--------|------------------------|--------------------|-------|----------|-------|----------|----------|-------|
|---------|--------|------------------------|--------------------|-------|----------|-------|----------|----------|-------|

Waypoint Analytical, Inc.
Y104191-02 (Water)**PAH by 8270D SIM**

| | | | | | |
|----------------------------|--------|--------|-------------|------------|------------|
| Surrogate: Nitrobenzene-d5 | 62.3 % | 29-110 | L5470 95 | 04/14/2021 | 04/14/2021 |
|----------------------------|--------|--------|-------------|------------|------------|

Total Dissolved Solids by 2540C

| | | | | | | | |
|------------------------|-----|------|------|---|---------|------------|------------|
| Total Dissolved Solids | 704 | 5.00 | mg/L | 1 | B1D1304 | 04/13/2021 | 04/14/2021 |
|------------------------|-----|------|------|---|---------|------------|------------|

Origins Laboratory, Inc.



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Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Brian Humphrey
Project Number: [none]
Project: DCP - Mewbourne

MW09

4/12/2021 11:40:00AM

| Analyte | Result | Min Detection Limit | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Notes |
|---------|--------|---------------------|-----------------|-------|----------|-------|----------|----------|-------|
|---------|--------|---------------------|-----------------|-------|----------|-------|----------|----------|-------|

Origins Laboratory, Inc.
Y104191-03 (Water)

Anions by IC 300.0

| | | | | | | | | |
|----------|----|------|------|-----|---------|------------|------------|--|
| Chloride | ND | 62.5 | mg/L | 125 | B1D1216 | 04/12/2021 | 04/13/2021 | |
| Sulfate | ND | 62.5 | " | " | " | " | " | |

BTEX+N+TMBs by 8260D

| | | | | | | | | |
|------------------------|----|------|------|---|---------|------------|------------|---|
| 1,2,4-Trimethylbenzene | ND | 1.00 | ug/L | 1 | B1D1303 | 04/13/2021 | 04/13/2021 | U |
| 1,3,5-Trimethylbenzene | ND | 1.00 | " | " | " | " | " | U |
| Benzene | ND | 1.00 | " | " | " | " | " | U |
| Ethylbenzene | ND | 1.00 | " | " | " | " | " | U |
| Naphthalene | ND | 4.00 | " | " | " | " | " | U |
| Toluene | ND | 1.00 | " | " | " | " | " | U |
| Xylenes, total | ND | 1.00 | " | " | " | " | " | U |

| | | | | | |
|----------------------------------|--------|--------|---|---|---|
| Surrogate: 1,2-Dichloroethane-d4 | 91.9 % | 70-130 | " | " | " |
| Surrogate: Toluene-d8 | 97.7 % | 70-130 | " | " | " |
| Surrogate: 4-Bromofluorobenzene | 102 % | 70-130 | " | " | " |

PAH by 8270D SIM

| | | | | | | | | | |
|-----------------------------|---------------|----------------|--------|------|---|---------|------------|------------|---|
| Benzo(a)anthracene | ND | 0.00511 | 0.02 | ug/L | 1 | L547095 | 04/14/2021 | 04/14/2021 | |
| Fluorene | 0.0115 | 0.00518 | 0.02 | " | " | " | " | " | J |
| Surrogate: 2-Fluorobiphenyl | 59.1 % | | 38-107 | | | " | " | " | |

Origins Laboratory, Inc.



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Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Brian Humphrey
Project Number: [none]
Project: DCP - Mewbourne

MW09**4/12/2021 11:40:00AM**

| Analyte | Result | Min Detection Limit | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Notes |
|---------|--------|------------------------|--------------------|-------|----------|-------|----------|----------|-------|
|---------|--------|------------------------|--------------------|-------|----------|-------|----------|----------|-------|

Waypoint Analytical, Inc.
Y104191-03 (Water)**PAH by 8270D SIM**

| | | | | | | | | | |
|----------------------------|--------|--|--------|--|--|-------------|------------|------------|--|
| Surrogate: 4-Terphenyl-d14 | 57.6 % | | 33-122 | | | L5470 95 | 04/14/2021 | 04/14/2021 | |
| Surrogate: Nitrobenzene-d5 | 54.2 % | | 29-110 | | | " | " | " | |

Total Dissolved Solids by 2540C

| | | | | | | | | | |
|------------------------|-----|--|------|------|---|---------|------------|------------|--|
| Total Dissolved Solids | 520 | | 5.00 | mg/L | 1 | B1D1304 | 04/13/2021 | 04/14/2021 | |
|------------------------|-----|--|------|------|---|---------|------------|------------|--|

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Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Brian Humphrey
Project Number: [none]
Project: DCP - Mewbourne

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 B1D1303 - EPA 5030B (Water) | | | | | | | | | | |
| Blank (B1D1303-BLK1) | | | | | Prepared: 04/13/2021 Analyzed: 04/13/2021 | | | | | |
| 1,2,4-Trimethylbenzene | ND | 1.00 | ug/L | | | | | | | U |
| 1,3,5-Trimethylbenzene | ND | 1.00 | " | | | | | | | U |
| Benzene | ND | 1.00 | " | | | | | | | U |
| Ethylbenzene | ND | 1.00 | " | | | | | | | U |
| Naphthalene | ND | 4.00 | " | | | | | | | U |
| Toluene | ND | 1.00 | " | | | | | | | U |
| Xylenes, total | ND | 1.00 | " | | | | | | | U |
| Surrogate: 1,2-Dichloroethane-d4 | 58 | | " | 62.5 | | 92.4 | 70-130 | | | |
| Surrogate: Toluene-d8 | 61 | | " | 62.5 | | 98.2 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 65 | | " | 62.5 | | 103 | 70-130 | | | |

Origins Laboratory, Inc.



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Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Brian Humphrey
Project Number: [none]
Project: DCP - Mewbourne

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 B1D1303 - EPA 5030B (Water) | | | | | | | | | | |
| LCS (B1D1303-BS1) | | | | | Prepared: 04/13/2021 Analyzed: 04/13/2021 | | | | | |
| 1,2,4-Trimethylbenzene | 45.1 | 1.00 | ug/L | 50.0 | | 90.3 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 46.7 | 1.00 | " | 50.0 | | 93.4 | 70-130 | | | |
| Benzene | 44.4 | 1.00 | " | 50.0 | | 88.8 | 70-130 | | | |
| Ethylbenzene | 48.0 | 1.00 | " | 50.0 | | 96.0 | 70-130 | | | |
| m,p-Xylene | 94.8 | 2.00 | " | 100 | | 94.8 | 70-130 | | | |
| Naphthalene | 42.9 | 4.00 | " | 50.0 | | 85.7 | 70-130 | | | |
| o-Xylene | 46.4 | 1.00 | " | 50.0 | | 92.7 | 70-130 | | | |
| Toluene | 46.0 | 1.00 | " | 50.0 | | 92.1 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 54 | | " | 62.5 | | 85.8 | 70-130 | | | |
| Surrogate: Toluene-d8 | 62 | | " | 62.5 | | 98.6 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 66 | | " | 62.5 | | 105 | 70-130 | | | |

Origins Laboratory, Inc.



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Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Brian Humphrey
Project Number: [none]
Project: DCP - Mewbourne

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 B1D1303 - EPA 5030B (Water)

| Matrix Spike (B1D1303-MS1) | | Source: Y104175-21 | | | Prepared: 04/13/2021 Analyzed: 04/13/2021 | | | | | |
|----------------------------------|------|--------------------|------|------|---|------|--------|--|--|--|
| 1,2,4-Trimethylbenzene | 46.0 | 1.00 | ug/L | 50.0 | ND | 92.0 | 70-130 | | | |
| 1,3,5-Trimethylbenzene | 46.3 | 1.00 | " | 50.0 | ND | 92.6 | 70-130 | | | |
| Benzene | 45.4 | 1.00 | " | 50.0 | ND | 90.8 | 70-130 | | | |
| Ethylbenzene | 48.4 | 1.00 | " | 50.0 | ND | 96.8 | 70-130 | | | |
| m,p-Xylene | 95.2 | 2.00 | " | 100 | ND | 95.2 | 70-130 | | | |
| Naphthalene | 42.8 | 4.00 | " | 50.0 | 0.180 | 85.3 | 70-130 | | | |
| o-Xylene | 45.9 | 1.00 | " | 50.0 | ND | 91.8 | 70-130 | | | |
| Toluene | 47.7 | 1.00 | " | 50.0 | ND | 95.4 | 70-130 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 53 | | " | 62.5 | | 85.4 | 70-130 | | | |
| Surrogate: Toluene-d8 | 62 | | " | 62.5 | | 98.5 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 66 | | " | 62.5 | | 105 | 70-130 | | | |

Origins Laboratory, Inc.



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Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Brian Humphrey
Project Number: [none]
Project: DCP - Mewbourne

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 B1D1303 - EPA 5030B (Water) | | | | | | | | | | |
| Matrix Spike Dup (B1D1303-MSD1) | Source: Y104175-21 | | | | Prepared: 04/13/2021 Analyzed: 04/13/2021 | | | | | |
| 1,2,4-Trimethylbenzene | 47.1 | 1.00 | ug/L | 50.0 | ND | 94.2 | 70-130 | 2.38 | 20 | |
| 1,3,5-Trimethylbenzene | 48.2 | 1.00 | " | 50.0 | ND | 96.5 | 70-130 | 4.06 | 20 | |
| Benzene | 46.5 | 1.00 | " | 50.0 | ND | 93.0 | 70-130 | 2.46 | 20 | |
| Ethylbenzene | 50.0 | 1.00 | " | 50.0 | ND | 100 | 70-130 | 3.31 | 20 | |
| m,p-Xylene | 97.6 | 2.00 | " | 100 | ND | 97.6 | 70-130 | 2.48 | 20 | |
| Naphthalene | 45.2 | 4.00 | " | 50.0 | 0.180 | 90.0 | 70-130 | 5.32 | 20 | |
| o-Xylene | 47.8 | 1.00 | " | 50.0 | ND | 95.5 | 70-130 | 3.95 | 20 | |
| Toluene | 48.1 | 1.00 | " | 50.0 | ND | 96.3 | 70-130 | 0.918 | 20 | |
| Surrogate: 1,2-Dichloroethane-d4 | 55 | | " | 62.5 | | 87.6 | 70-130 | | | |
| Surrogate: Toluene-d8 | 63 | | " | 62.5 | | 100 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 66 | | " | 62.5 | | 105 | 70-130 | | | |

Origins Laboratory, Inc.



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Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Brian Humphrey
Project Number: [none]
Project: DCP - Mewbourne

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 |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

Classical Chemistry Parameters - Quality Control
Origins Laboratory, Inc.

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

Batch B1D1216 - Filter .45um non acidified

Blank (B1D1216-BLK1)

Prepared: 04/12/2021 Analyzed: 04/13/2021

| | | | |
|----------|----|-------|------|
| Chloride | ND | 0.250 | mg/L |
| Sulfate | ND | 0.250 | " |

LCS (B1D1216-BS1)

Prepared: 04/12/2021 Analyzed: 04/13/2021

| | | | | | |
|----------|------|------|------|------|--------|
| Chloride | 1.97 | mg/L | 2.00 | 98.6 | 90-110 |
| Sulfate | 1.94 | " | 2.00 | 96.9 | 90-110 |

Matrix Spike (B1D1216-MS1)

Source: Y104175-13

Prepared: 04/12/2021 Analyzed: 04/13/2021

| | | | | | | |
|----------|------|------|-----|------|-----|--------|
| Chloride | 848 | mg/L | 250 | 591 | 103 | 80-120 |
| Sulfate | 2310 | " | 250 | 2050 | 104 | 80-120 |

Matrix Spike Dup (B1D1216-MSD1)

Source: Y104175-13

Prepared: 04/12/2021 Analyzed: 04/13/2021

| | | | | | | | | |
|----------|------|------|-----|------|-----|--------|-------|----|
| Chloride | 855 | mg/L | 250 | 591 | 106 | 80-120 | 0.800 | 20 |
| Sulfate | 2330 | " | 250 | 2050 | 113 | 80-120 | 1.01 | 20 |

Batch B1D1304 - NO PREP

Blank (B1D1304-BLK1)

Prepared: 04/13/2021 Analyzed: 04/14/2021

| | | | |
|------------------------|----|------|------|
| Total Dissolved Solids | ND | 5.00 | mg/L |
|------------------------|----|------|------|

LCS (B1D1304-BS1)

Prepared: 04/13/2021 Analyzed: 04/14/2021

| | | | | | | |
|------------------------|-----|------|------|-----|-----|--------|
| Total Dissolved Solids | 737 | 5.00 | mg/L | 716 | 103 | 85-115 |
|------------------------|-----|------|------|-----|-----|--------|

Duplicate (B1D1304-DUP1)

Source: Y104161-01

Prepared: 04/13/2021 Analyzed: 04/14/2021

Origins Laboratory, Inc.



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Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Brian Humphrey
Project Number: [none]
Project: DCP - Mewbourne

Classical Chemistry Parameters - Quality Control
Origins Laboratory, Inc.

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

Batch B1D1304 - NO PREP

| | | | | | | | | | | |
|------------------------|------|------|------|--|------|--|--|-------|----|--|
| Total Dissolved Solids | 4380 | 5.00 | mg/L | | 4400 | | | 0.433 | 20 | |
|------------------------|------|------|------|--|------|--|--|-------|----|--|

Origins Laboratory, Inc.



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Tasman Geosciences
6855 West 119th Avenue
Broomfield CO 80020

Brian Humphrey
Project Number: [none]
Project: DCP - Mewbourne

PAH by 8270D SIM - Quality Control
Waypoint Analytical, Inc.

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|------------------------------|--------|-----------------|-------|-------------|---|------|-------------|-----|-----------|-------|
| Batch L547095 - 3510C | | | | | | | | | | |
| LCSD (LCSD-L547095) | | | | | Prepared: 04/14/2021 Analyzed: 04/14/2021 | | | | | |
| Fluorene | 3.49 | 0.00518 | µg/L | 5 | | 69.8 | 41-116 | 9.9 | 20 | |
| Benzo(a)anthracene | 3.58 | 0.00511 | " | 5 | | 71.6 | 36-127 | 4.5 | 20 | |
| Surrogate: 4-Terphenyl-d14 | 63.8 | | " | 10 | | 63.8 | 33-122 | | | |
| Surrogate: 2-Fluorobiphenyl | 52.2 | | " | 10 | | 52.2 | 38-107 | | | |
| Surrogate: Nitrobenzene-d5 | 48.8 | | " | 10 | | 48.8 | 29-110 | | | |
| LCS (LCS-L547095) | | | | | Prepared: 04/14/2021 Analyzed: 04/14/2021 | | | | | |
| Fluorene | 3.16 | 0.00518 | µg/L | 5 | | 63.2 | 41-116 | | | |
| Benzo(a)anthracene | 3.42 | 0.00511 | " | 5 | | 68.4 | 36-127 | | | |
| Surrogate: 2-Fluorobiphenyl | 51.7 | | " | 10 | | 51.7 | 38-107 | | | |
| Surrogate: Nitrobenzene-d5 | 45.8 | | " | 10 | | 45.8 | 29-110 | | | |
| Surrogate: 4-Terphenyl-d14 | 63.5 | | " | 10 | | 63.5 | 33-122 | | | |
| LRB (LRB-L547095) | | | | | Prepared: 04/14/2021 Analyzed: 04/14/2021 | | | | | |
| Fluorene | ND | 0.02 | µg/L | | | | - | | | |
| Benzo(a)anthracene | ND | 0.02 | " | | | | - | | | |
| Surrogate: 4-Terphenyl-d14 | 61.7 | | " | 10 | | 61.7 | 33-122 | | | |
| Surrogate: 2-Fluorobiphenyl | 53.9 | | " | 10 | | 53.9 | 38-107 | | | |
| Surrogate: Nitrobenzene-d5 | 45 | | " | 10 | | 45 | 29-110 | | | |

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

Brian Humphrey
Project Number: [none]
Project: DCP - Mewbourne

Notes and Definitions

U Sample is Non-Detect.

J Estimated Value. Analyte below reported quantitation limit.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported on 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.



6855 W. 119th Ave.
Broomfield, Colorado 80020

CLIENT: DCP Midstream

LOGGED BY: J. Watts

PROJECT MANAGER: Brian Humphrey

DRILLING CONTRACTOR: Site Services Drilling

DRILLING EQUIPMENT: CME 55

DRILL BIT SIZE (INCHES): 8.25

DATE STARTED - COMPLETED: 03/09/21 - 3/9/21

TOTAL WELL DEPTH (FT. BGS): 23

DEPTH TO WATER (FT. BGS): 13

MEWBOURN GP

BORING / WELL ID: MW01

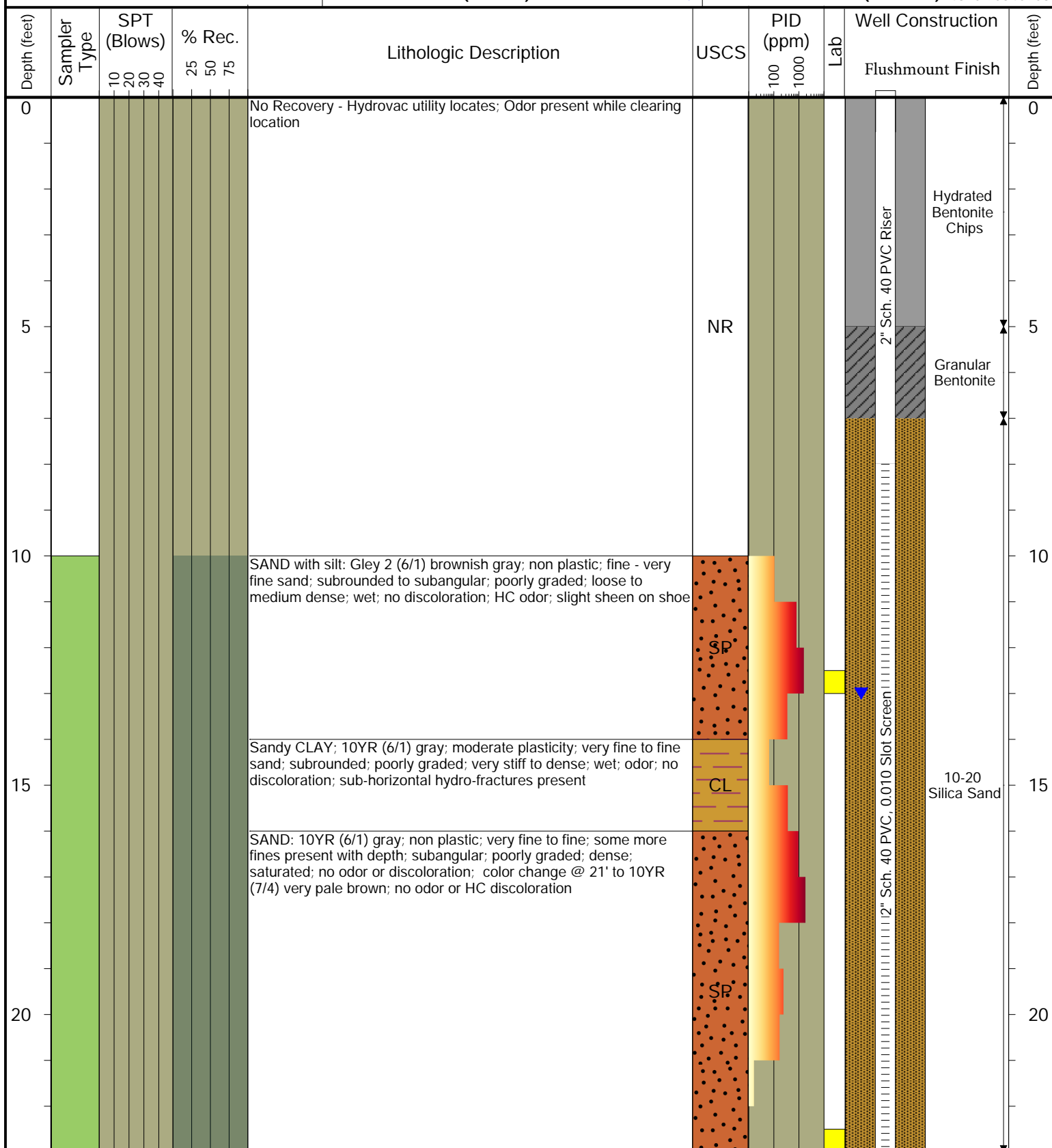
LOCATION: Weld County, CO

LATITUDE: 40.267801247

LONGITUDE: -104.734948413

CASING ELEVATION (FT. AMSL): 4820.52340908

GROUND ELEVATION (FT. AMSL): 4820.90340908



Drilling / Sample Method:

- Solid Stem Auger
- Hollow Stem Auger
- Split Spoon Sampler
- 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

LOGGED BY: G. Basecke

PROJECT MANAGER: Brian Humphrey

DRILLING CONTRACTOR: Site Services Drilling

DRILLING EQUIPMENT: CME 55

DRILL BIT SIZE (INCHES): 8.25

DATE STARTED - COMPLETED: 03/10/21 - 3/10/21

TOTAL WELL DEPTH (FT. BGS): 23

DEPTH TO WATER (FT. BGS): 12

MEWBOURN GP

BORING / WELL ID: MW02

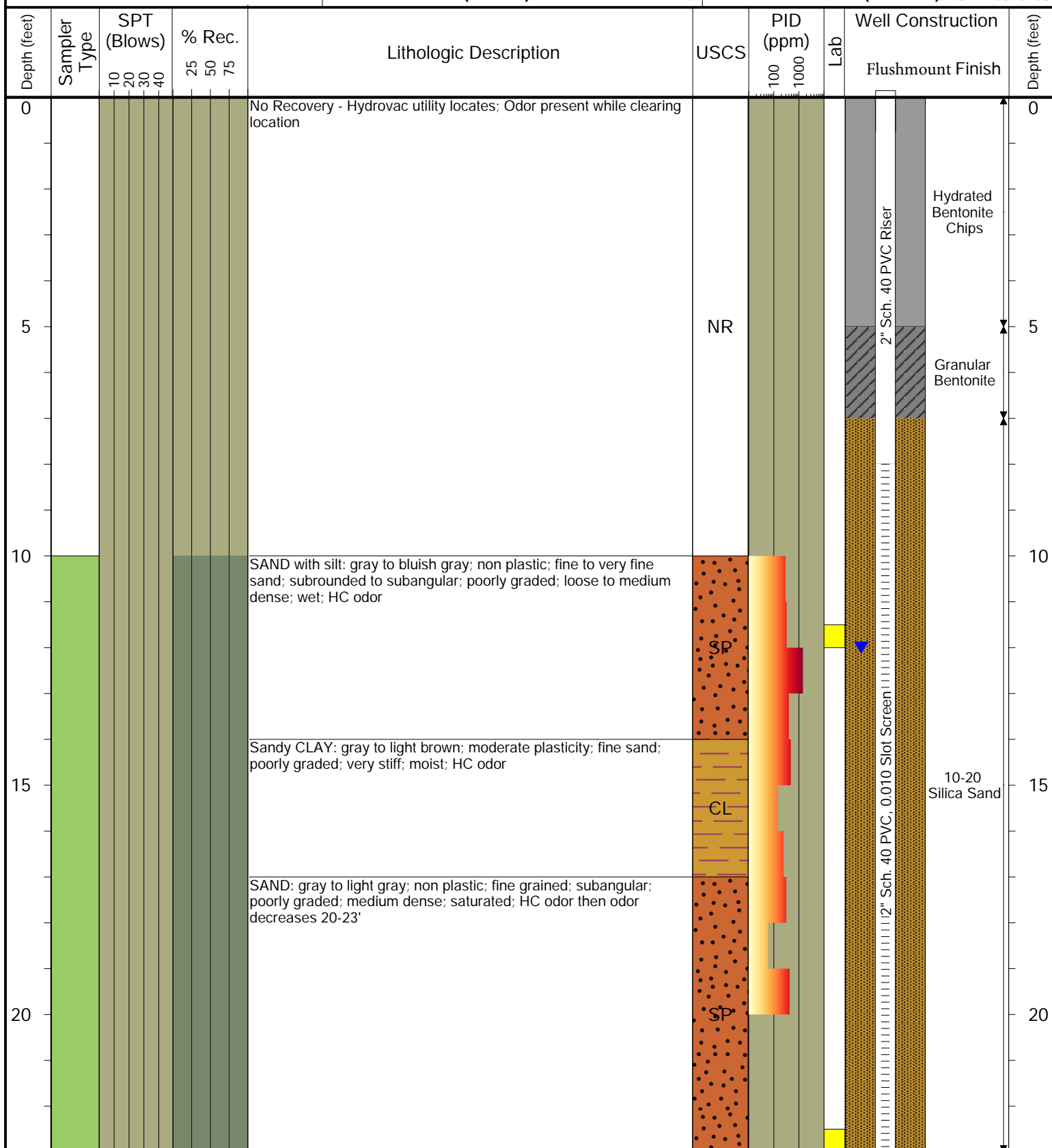
LOCATION: Weld County, CO

LATITUDE: 40.267804679

LONGITUDE: -104.735148861

CASING ELEVATION (FT. AMSL): 4820.71340908

GROUND ELEVATION (FT. AMSL): 4821.15340908



Drilling / Sample Method:

- Solid Stem Auger
- Hollow Stem Auger
- Split Spoon Sampler
- 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

LOGGED BY: G. Basecke

PROJECT MANAGER: Brian Humphrey

DRILLING CONTRACTOR: Site Services Drilling

DRILLING EQUIPMENT: CME 55

DRILL BIT SIZE (INCHES): 8.25

DATE STARTED - COMPLETED: 03/09/21 - 3/9/21

TOTAL WELL DEPTH (FT. BGS): 23

DEPTH TO WATER (FT. BGS): 17

MEWBOURN GP

BORING / WELL ID: MW03

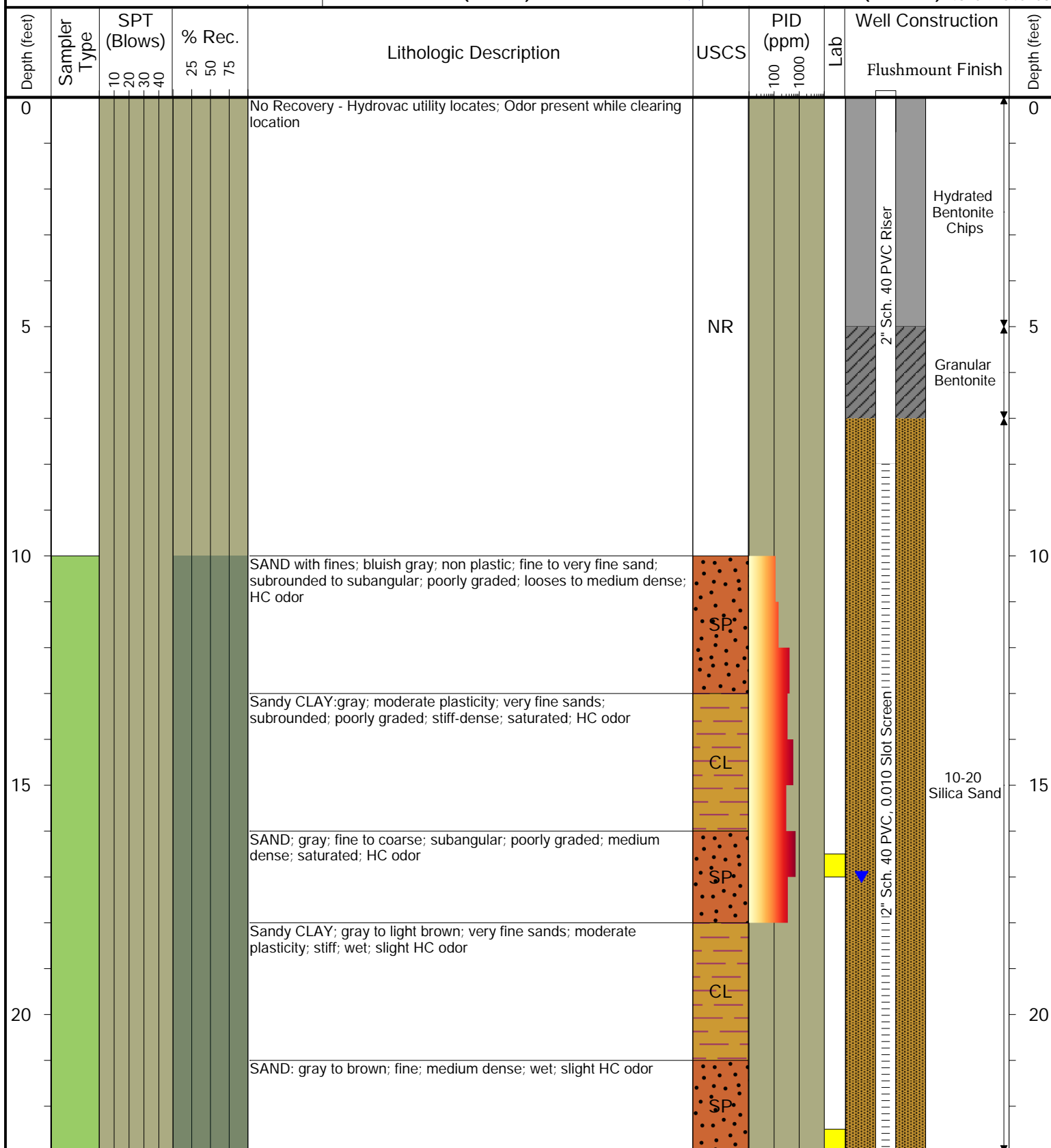
LOCATION: Weld County, CO

LATITUDE: 40.267827179

LONGITUDE: -104.735563642

CASING ELEVATION (FT. AMSL): 4820.59340908

GROUND ELEVATION (FT. AMSL): 4820.97340908



Drilling / Sample Method:

- Solid Stem Auger
- Hollow Stem Auger
- Split Spoon Sampler
- 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

LOGGED BY: J. Watts

PROJECT MANAGER: Brian Humphrey

DRILLING CONTRACTOR: Site Services Drilling

DRILLING EQUIPMENT: CME 55

DRILL BIT SIZE (INCHES): 8.25

DATE STARTED - COMPLETED: 03/10/21 - 3/10/21

TOTAL WELL DEPTH (FT. BGS): 23

DEPTH TO WATER (FT. BGS): 17

MEWBOURN GP

BORING / WELL ID: MW04

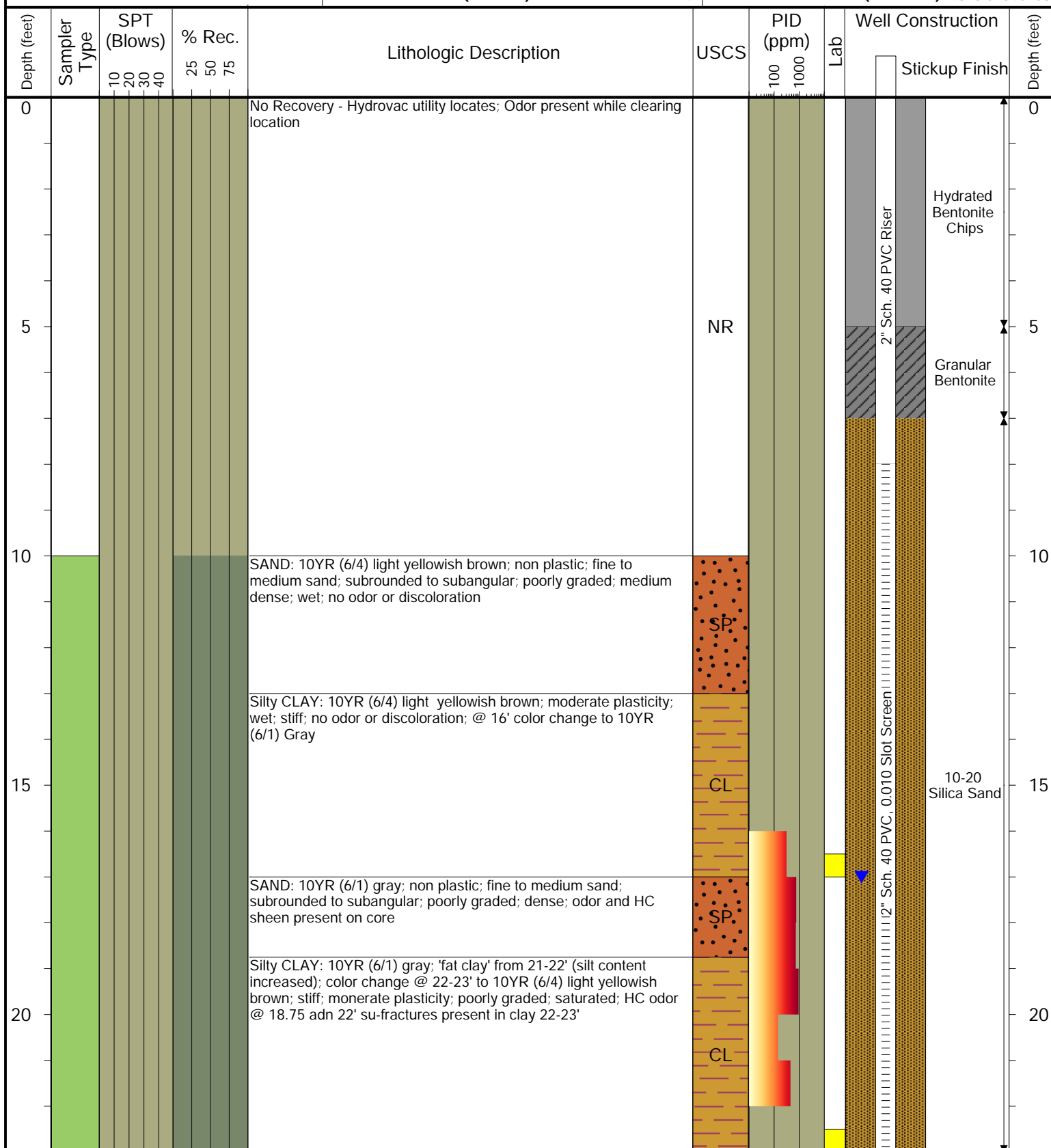
LOCATION: Weld County, CO

LATITUDE: 40.267696417

LONGITUDE: -104.735966857

CASING ELEVATION (FT. AMSL): 4826.13340908

GROUND ELEVATION (FT. AMSL): 4823.62340908



Drilling / Sample Method:

- Solid Stem Auger
- Hollow Stem Auger
- Split Spoon Sampler
- 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

LOGGED BY: J. Watts

PROJECT MANAGER: Brian Humphrey

DRILLING CONTRACTOR: Site Services Drilling

DRILLING EQUIPMENT: CME 55

DRILL BIT SIZE (INCHES): 8.25

DATE STARTED - COMPLETED: 03/10/21 - 3/10/21

TOTAL WELL DEPTH (FT. BGS): 23

DEPTH TO WATER (FT. BGS): 13

MEWBOURN GP

BORING / WELL ID: MW05

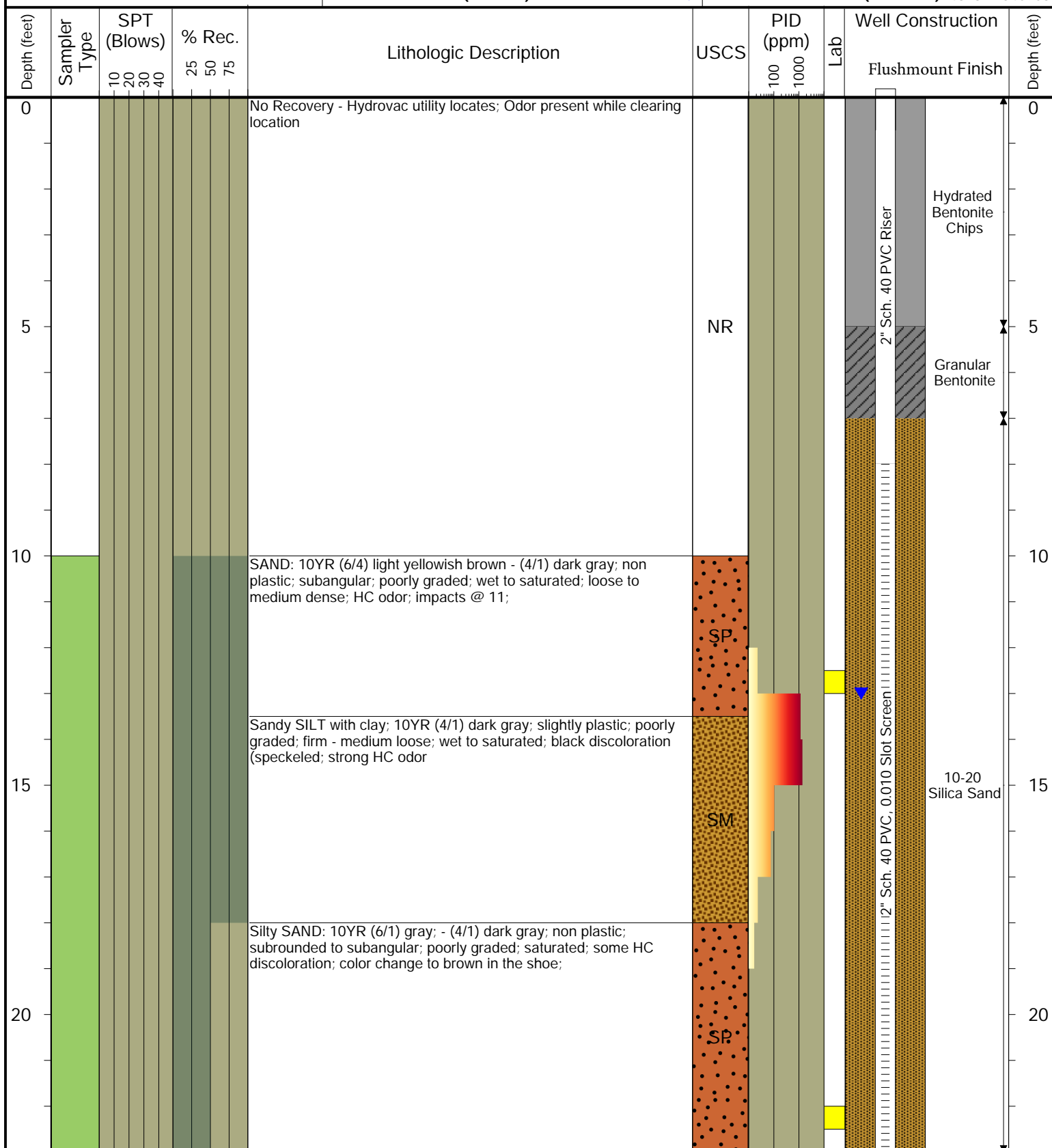
LOCATION: Weld County, CO

LATITUDE: 40.268063831

LONGITUDE: -104.735169251

CASING ELEVATION (FT. AMSL): 4818.18340908

GROUND ELEVATION (FT. AMSL): 4818.71340908



Drilling / Sample Method:

- Solid Stem Auger
- Hollow Stem Auger
- Split Spoon Sampler
- 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

LOGGED BY: G. Basecke

PROJECT MANAGER: Brian Humphrey

DRILLING CONTRACTOR: Site Services Drilling

DRILLING EQUIPMENT: CME 55

DRILL BIT SIZE (INCHES): 8.25

DATE STARTED - COMPLETED: 03/11/21 - 3/11/21

TOTAL WELL DEPTH (FT. BGS): 23

DEPTH TO WATER (FT. BGS): 10

MEWBOURN GP

BORING / WELL ID: MW06

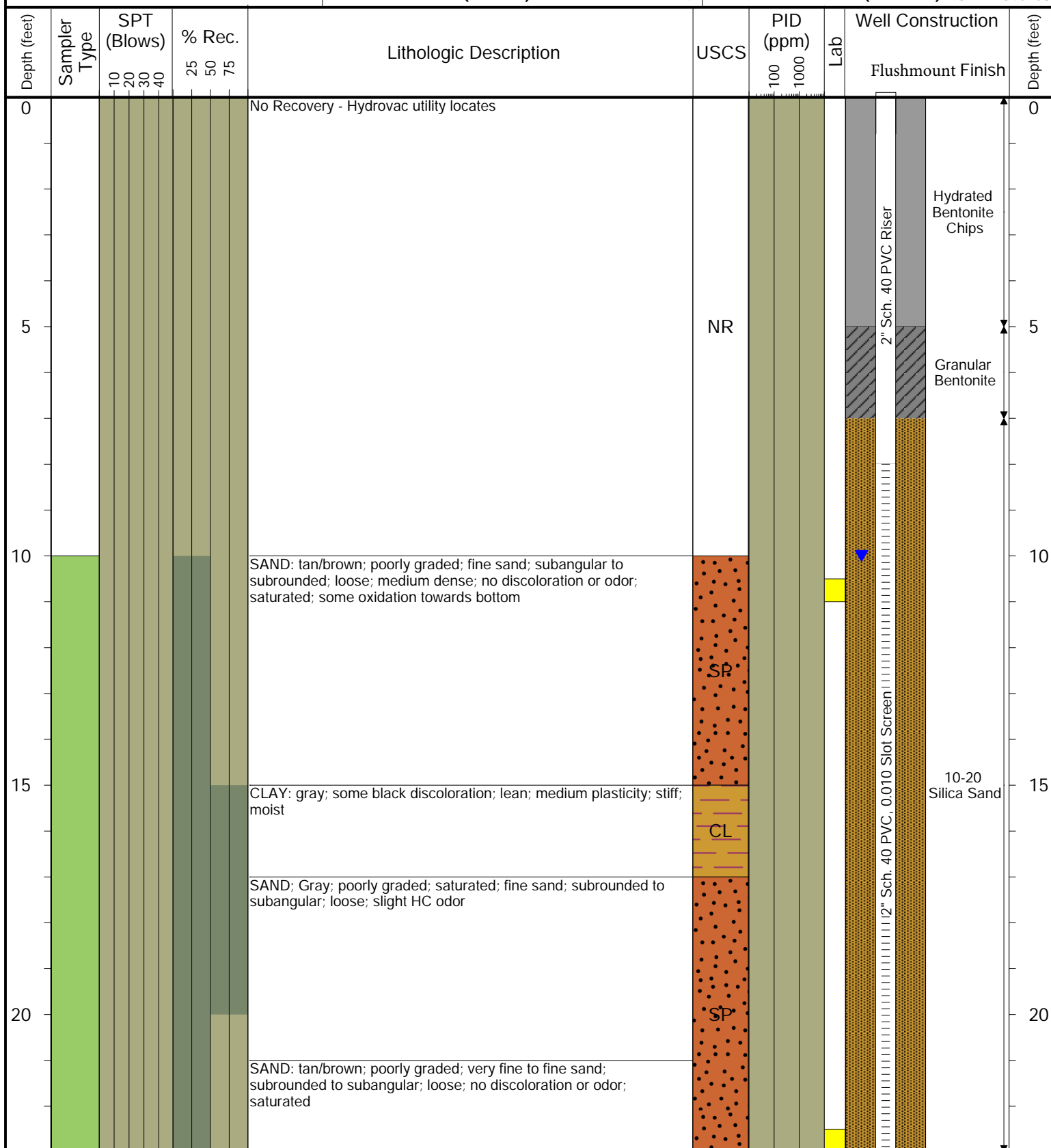
LOCATION: Weld County, CO

LATITUDE: 40.268037128

LONGITUDE: -104.734919358

CASING ELEVATION (FT. AMSL): 4817.73340908

GROUND ELEVATION (FT. AMSL): 4817.99340908



Drilling / Sample Method:

- Solid Stem Auger
- Hollow Stem Auger
- Split Spoon Sampler
- 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

LOGGED BY: J. Watts

PROJECT MANAGER: Brian Humphrey

DRILLING CONTRACTOR: Site Services Drilling

DRILLING EQUIPMENT: CME 55

DRILL BIT SIZE (INCHES): 8.25

DATE STARTED - COMPLETED: 04/7/21 - 4/7/21

TOTAL WELL DEPTH (FT. BGS): 23

DEPTH TO WATER (FT. BGS): 11.5

MEWBOURN GP

BORING / WELL ID: MW07

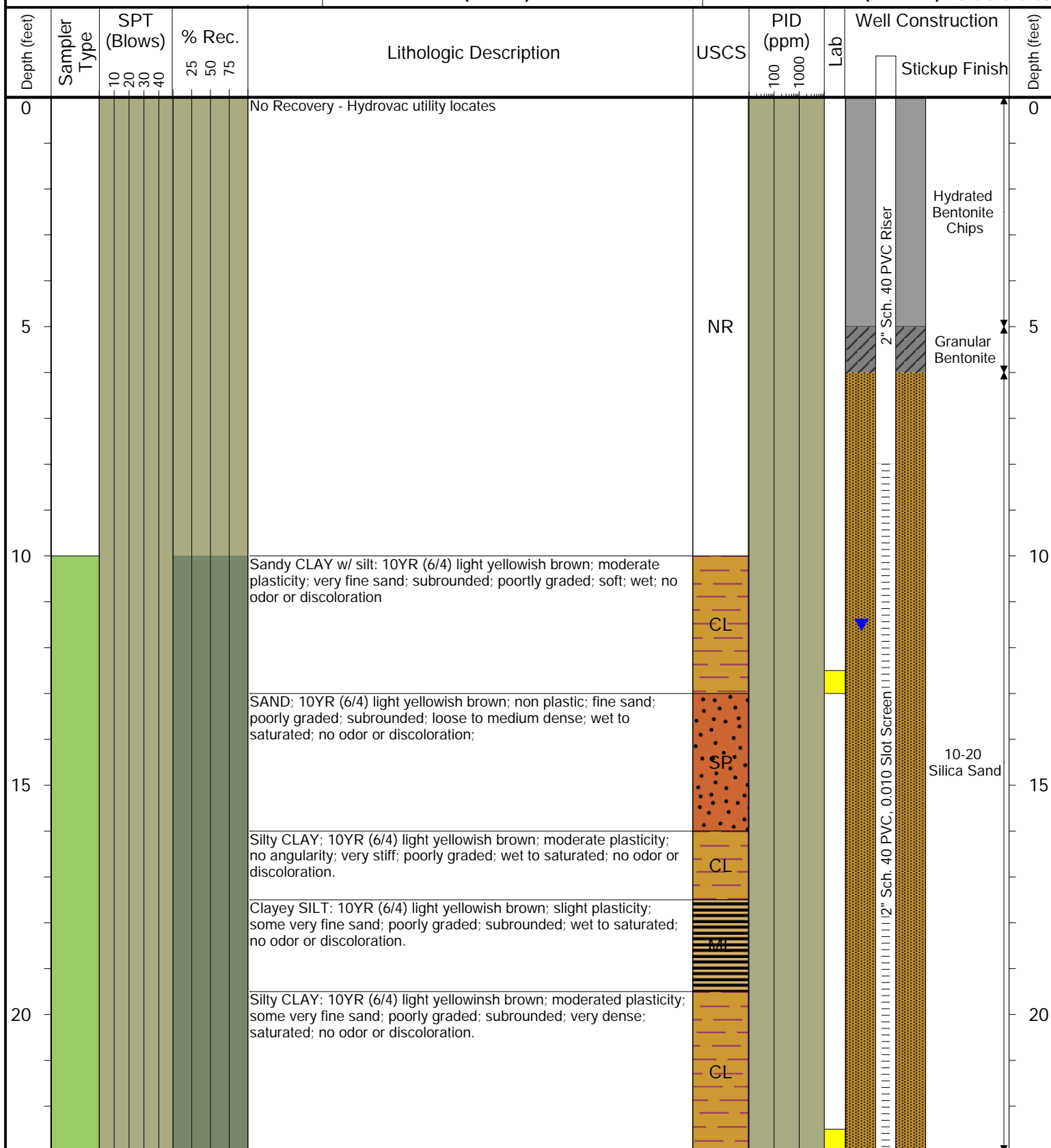
LOCATION: Weld County, CO

LATITUDE: 40.267668558

LONGITUDE: -104.736256139

CASING ELEVATION (FT. AMSL): 4826.34340908

GROUND ELEVATION (FT. AMSL): 4826.34340908



Drilling / Sample Method:

- Solid Stem Auger
- Hollow Stem Auger
- Split Spoon Sampler
- 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

LOGGED BY: B. Gabel / V. Scruggs

PROJECT MANAGER: Brian Humphrey

DRILLING CONTRACTOR: Site Services Drilling

DRILLING EQUIPMENT: CME 55

DRILL BIT SIZE (INCHES): 8.25

DATE STARTED - COMPLETED: 04/7/21 - 4/7/21

TOTAL WELL DEPTH (FT. BGS): 23

DEPTH TO WATER (FT. BGS): 10

MEWBOURN GP

BORING / WELL ID: MW08

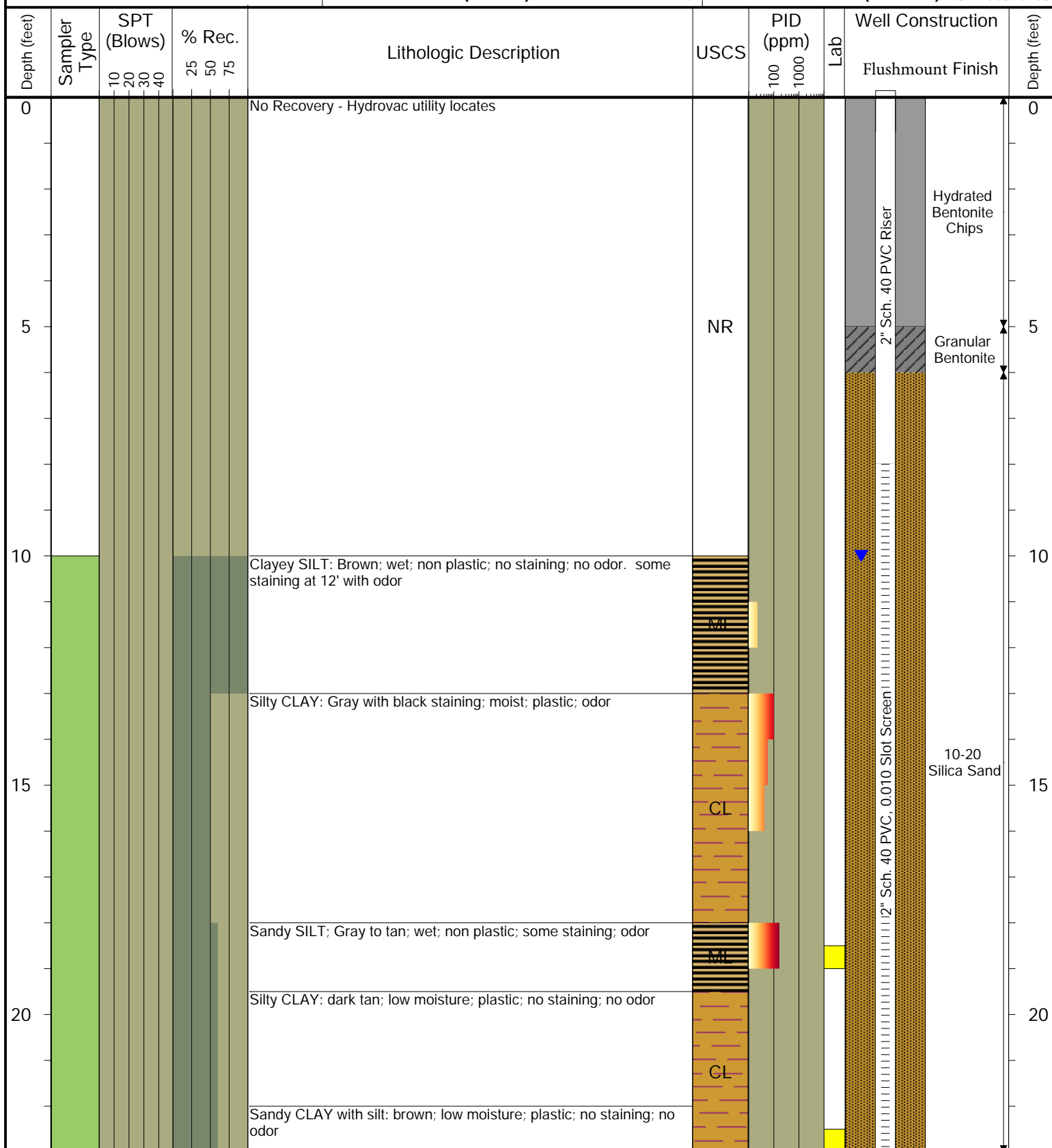
LOCATION: Weld County, CO

LATITUDE: 40.267835383

LONGITUDE: -104.735981332

CASING ELEVATION (FT. AMSL): 4821.00340908

GROUND ELEVATION (FT. AMSL): 4821.00340908



Drilling / Sample Method:

- Solid Stem Auger
- Hollow Stem Auger
- Split Spoon Sampler
- 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

LOGGED BY: B. Gabel / V. Scruggs

PROJECT MANAGER: Brian Humphrey

DRILLING CONTRACTOR: Site Services Drilling

DRILLING EQUIPMENT: CME 55

DRILL BIT SIZE (INCHES): 8.25

DATE STARTED - COMPLETED: 04/8/21 - 4/8/21

TOTAL WELL DEPTH (FT. BGS): 25

DEPTH TO WATER (FT. BGS): 21

MEWBOURN GP

BORING / WELL ID: MW09

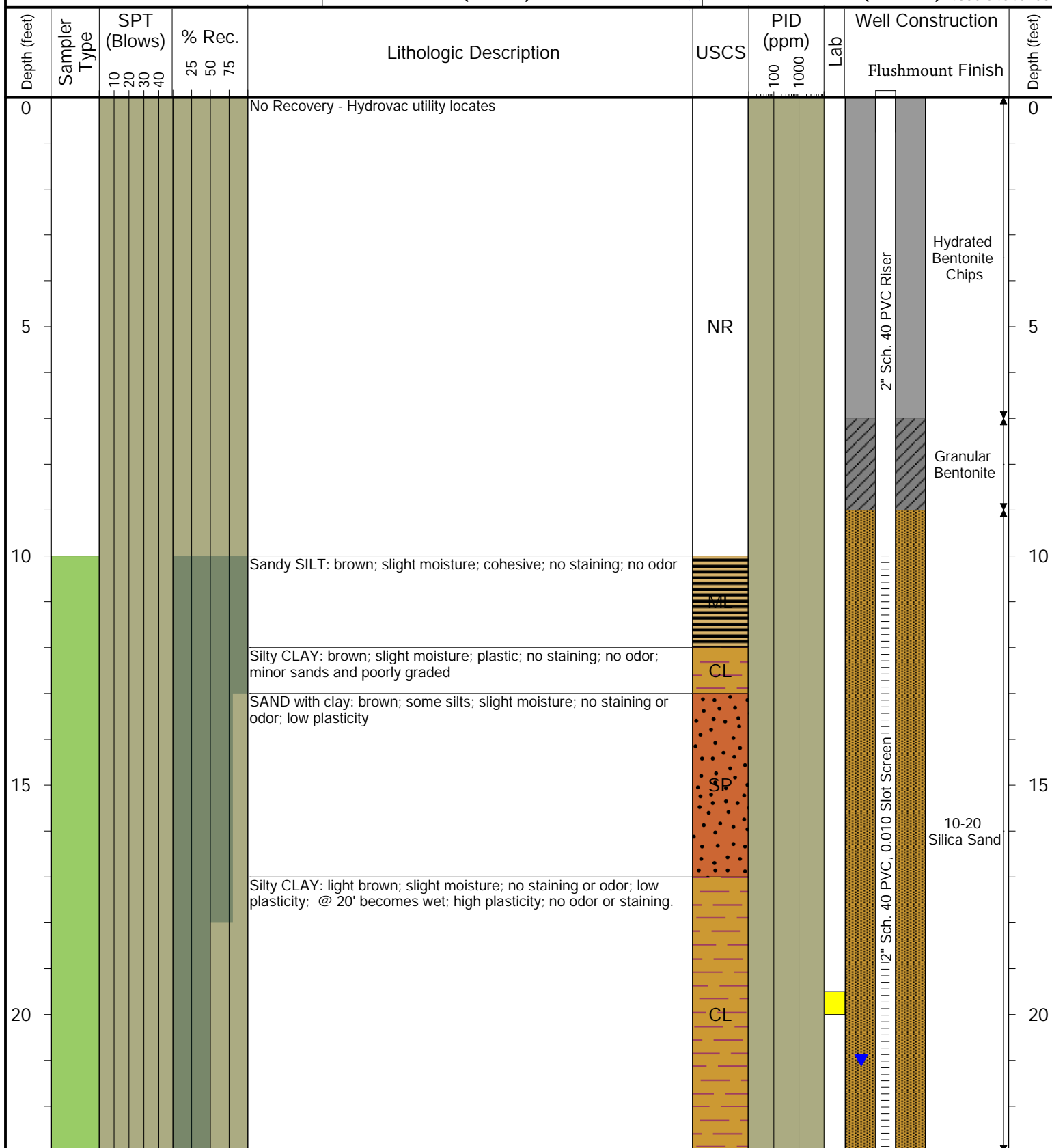
LOCATION: Weld County, CO

LATITUDE: 40.267186653

LONGITUDE: -104.734964355

CASING ELEVATION (FT. AMSL): 4830.54340908

GROUND ELEVATION (FT. AMSL): 4830.54340908



Drilling / Sample Method:

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

Laboratory Sample Types:

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