

SECOND QUARTER 2020 SITE MONITORING DATA

BEEBE DRAW RG 26-9, 23

COGCC SPILL TRACKING # 455231
COGCC REMEDIATION # 11925

Prepared for:



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Greeley, CO 80631

Prepared by:



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TABLE 1
GROUNDWATER ELEVATION DATA
NOBLE ENERGY, INC. - BEEBE DRAW RG 26-9, 23

| Monitoring Well ID | Date | Top of Casing Elevation (ft. AMSL) | Total Depth (ft. BTOC) | Depth to Water (ft.) ⁽²⁾ | Depth to LNAPL (ft.) ⁽²⁾ | LNAPL Thickness (ft.) | Groundwater Elevation* (ft. AMSL) |
|---------------------|----------|------------------------------------|------------------------|-------------------------------------|-------------------------------------|-----------------------|-----------------------------------|
| BH01 | 10/22/18 | 4774.24 | NM | 12.33 | ND | ND | 4761.91 |
| BH01 | 01/10/19 | 4774.24 | 27.75 | 12.57 | ND | ND | 4761.67 |
| BH01 | 04/18/19 | 4774.24 | 27.52 | 12.84 | ND | ND | 4761.40 |
| BH01 | 07/10/19 | 4774.24 | 27.19 | 11.12 | ND | ND | 4763.12 |
| BH01 | 10/02/19 | 4774.24 | 26.80 | 6.61 | ND | ND | 4764.76 |
| BH01 | 01/07/20 | 4774.24 | 26.78 | 7.21 | ND | ND | 4764.16 |
| BH01 | 04/20/20 | 4774.24 | 26.45 | 7.42 | ND | ND | 4763.95 |
| BH02 | 10/22/18 | 4772.28 | NM | 11.83 | ND | ND | 4760.45 |
| BH02 | 01/10/19 | 4772.28 | 32.65 | 11.88 | ND | ND | 4760.40 |
| BH02 | 04/18/19 | 4772.28 | 32.64 | 12.27 | ND | ND | 4760.01 |
| BH02 | 07/10/19 | 4772.28 | 32.64 | 10.68 | ND | ND | 4761.60 |
| BH02 ⁽³⁾ | 10/02/19 | NM | 15.55 | NM | ND | ND | NM |
| BH02 ⁽⁵⁾ | 01/07/20 | NM | 24.06 | NM | ND | ND | NM |
| BH02 | 04/20/20 | 4773.25 | 24.53 | NM | ND | ND | 4762.65 |
| BH03 | 10/22/18 | 4770.72 | NM | 11.76 | ND | ND | 4758.96 |
| BH03 | 01/10/19 | 4770.72 | 31.41 | 11.44 | ND | ND | 4759.28 |
| BH03 | 04/18/19 | 4770.72 | 27.95 | 11.69 | ND | ND | 4759.03 |
| BH03 | 07/10/19 | 4770.72 | 31.91 | 10.31 | ND | ND | 4760.41 |
| BH03 | 10/02/19 | 4770.72 | 32.24 | 6.22 | ND | ND | 4761.52 |
| BH03 ⁽⁵⁾ | 01/07/20 | NM | 28.47 | NM | ND | ND | NM |
| BH03 | 04/20/20 | 4771.19 | 28.48 | NM | ND | ND | 4761.62 |
| BH04 | 10/22/18 | 4773.76 | NM | 14.11 | ND | ND | 4759.65 |
| BH04 | 01/10/19 | 4773.76 | 29.58 | 14.19 | ND | ND | 4759.57 |
| BH04 | 04/18/19 | 4773.76 | 29.14 | 14.38 | ND | ND | 4759.38 |
| BH04 | 07/10/19 | 4773.76 | 29.06 | 13.15 | ND | ND | 4760.61 |
| BH04 | 10/02/19 | 4773.76 | 28.75 | 10.34 | ND | ND | 4761.53 |
| BH04 | 01/07/20 | 4773.76 | 28.58 | 10.41 | ND | ND | 4761.46 |
| BH04 | 04/20/20 | 4773.76 | 28.47 | 10.40 | ND | ND | 4761.47 |
| BH05 | 10/22/18 | 4770.06 | NM | 11.55 | ND | ND | 4758.51 |
| BH05 | 01/10/19 | 4770.06 | 27.91 | 11.17 | ND | ND | 4758.89 |
| BH05 | 04/18/19 | 4770.06 | 27.57 | 11.21 | ND | ND | 4758.85 |
| BH05 | 07/10/19 | 4770.06 | 27.56 | 9.92 | ND | ND | 4760.14 |
| BH05 ⁽³⁾ | 10/02/19 | NM | 26.94 | NM | ND | ND | NM |
| BH05 ⁽⁵⁾ | 01/07/20 | NM | 26.38 | NM | ND | ND | NM |
| BH05 | 04/20/20 | 4770.07 | 26.10 | NM | ND | ND | 4761.64 |
| BH06 | 10/22/18 | 4772.62 | NM | 14.42 | ND | ND | 4758.20 |
| BH06 | 01/10/19 | 4772.62 | 33.62 | 14.33 | ND | ND | 4758.29 |
| BH06 | 04/18/19 | 4772.62 | 33.59 | 14.53 | ND | ND | 4758.09 |
| BH06 | 07/10/19 | 4772.62 | 33.61 | 13.29 | ND | ND | 4759.33 |

TABLE 1
GROUNDWATER ELEVATION DATA
NOBLE ENERGY, INC. - BEEBE DRAW RG 26-9, 23

| Monitoring Well ID | Date | Top of Casing Elevation (ft. AMSL) | Total Depth (ft. BTOC) | Depth to Water (ft.) ⁽²⁾ | Depth to LNAPL (ft.) ⁽²⁾ | LNAPL Thickness (ft.) | Groundwater Elevation* (ft. AMSL) |
|---------------------|----------|------------------------------------|------------------------|-------------------------------------|-------------------------------------|-----------------------|-----------------------------------|
| BH06 | 10/02/19 | Unable to locate - Well Destroyed | | | | | |
| BH06R | 01/07/20 | 4772.60 | 27.47 | 9.33 | ND | ND | 4760.12 |
| BH06R | 04/20/20 | 4772.60 | 27.15 | 8.93 | ND | ND | 4760.52 |
| BH07 | 10/22/18 | 4768.79 | NM | 10.60 | ND | ND | 4758.19 |
| BH07 | 01/10/19 | 4768.79 | 27.85 | 10.89 | ND | ND | 4757.90 |
| BH07 | 04/18/19 | 4768.79 | 27.83 | 10.92 | ND | ND | 4757.87 |
| BH07 | 07/10/19 | 4768.79 | 27.84 | 9.56 | ND | ND | 4759.23 |
| BH07 | 10/02/19 | 4768.79 | 26.86 | 5.24 | ND | ND | 4760.49 |
| BH07 | 01/07/20 | 4768.79 | 27.35 | NM | ND | ND | 4759.99 |
| BH07 | 04/20/20 | 4768.79 | 27.39 | NM | ND | ND | 4760.54 |
| BH08 | 10/22/18 | 4769.60 | NM | 9.68 | ND | ND | 4759.92 |
| BH08 | 01/10/19 | 4769.60 | 21.63 | 9.95 | ND | ND | 4759.65 |
| BH08 | 04/18/19 | 4769.60 | 21.12 | 9.68 | ND | ND | 4759.92 |
| BH08 | 07/10/19 | 4769.60 | 20.79 | 8.70 | ND | ND | 4760.90 |
| BH08 | 10/02/19 | 4769.60 | 19.65 | 3.85 | ND | ND | 4762.66 |
| BH08 | 01/07/20 | 4769.60 | 19.37 | NM | ND | ND | 4762.03 |
| BH08 | 04/20/20 | 4769.60 | 19.32 | NM | ND | ND | 4762.46 |
| BH09 | 10/22/18 | 4771.81 | NM | 9.95 | ND | ND | 4761.86 |
| BH09 | 01/10/19 | 4771.81 | 22.97 | 10.52 | ND | ND | 4761.29 |
| BH09 | 04/18/19 | 4771.81 | 22.39 | 10.34 | ND | ND | 4761.47 |
| BH09 | 07/10/19 | 4771.81 | 22.16 | 8.92 | ND | ND | 4762.89 |
| BH09 | 10/02/19 | 4771.81 | 22.08 | 3.80 | ND | ND | 4764.94 |
| BH09 | 01/07/20 | 4771.81 | 21.88 | NM | ND | ND | 4763.90 |
| BH09 | 04/20/20 | 4771.81 | 21.74 | NM | ND | ND | 4763.80 |
| BH10 | 11/06/18 | 4775.10 | 27.30 | 12.42 | ND | ND | 4762.68 |
| BH10 | 01/10/19 | 4775.10 | 27.15 | 12.89 | ND | ND | 4762.21 |
| BH10 | 04/18/19 | 4775.10 | 26.71 | 13.22 | ND | ND | 4761.88 |
| BH10 | 07/10/19 | 4775.10 | 26.66 | 11.25 | ND | ND | 4763.85 |
| BH10 | 10/02/19 | 4775.10 | 26.21 | 6.78 | ND | ND | 4765.34 |
| BH10 | 01/07/20 | 4775.10 | 26.09 | NM | ND | ND | 4764.78 |
| BH10 | 04/20/20 | 4775.10 | 25.96 | NM | ND | ND | 4764.60 |
| BH11 | 11/06/18 | 4775.53 | 27.21 | 14.04 | ND | ND | 4761.49 |
| BH11 | 01/10/19 | 4775.53 | 26.94 | 14.27 | ND | ND | 4761.26 |
| BH11 | 04/18/19 | 4775.53 | 26.44 | 14.60 | ND | ND | 4760.93 |
| BH11 | 07/10/19 | 4775.53 | 26.05 | 13.04 | ND | ND | 4762.49 |
| BH11 ⁽³⁾ | 10/02/19 | NM | 12.20 | NM | ND | ND | NM |
| BH11 | 01/07/20 | Unable to Locate | | | | | |
| BH11 | 04/20/20 | 4775.88 | 24.40 | 9.68 | ND | ND | 4763.42 |
| BH12 | 11/06/18 | 4775.39 | 27.50 | 13.06 | ND | ND | 4762.33 |

TABLE 1
GROUNDWATER ELEVATION DATA
NOBLE ENERGY, INC. - BEEBE DRAW RG 26-9, 23

| Monitoring Well ID | Date | Top of Casing Elevation (ft. AMSL) | Total Depth (ft. BTOC) | Depth to Water (ft.) ⁽²⁾ | Depth to LNAPL (ft.) ⁽²⁾ | LNAPL Thickness (ft.) | Groundwater Elevation* (ft. AMSL) |
|------------------------|----------|------------------------------------|------------------------|-------------------------------------|-------------------------------------|-----------------------|-----------------------------------|
| BH12 | 01/10/19 | 4775.39 | 27.10 | 13.34 | ND | ND | 4762.05 |
| BH12 | 04/18/19 | 4775.39 | 26.62 | 13.73 | ND | ND | 4761.66 |
| BH12 | 07/10/19 | 4775.39 | 26.52 | 11.95 | ND | ND | 4763.44 |
| BH12 | 10/02/19 | 4775.39 | 25.88 | 7.80 | ND | ND | 4765.07 |
| BH12 | 01/07/20 | 4775.39 | 25.81 | 8.31 | ND | ND | 4764.56 |
| BH12 | 04/20/20 | 4775.39 | 25.66 | 8.57 | ND | ND | 4764.30 |
| BH13 | 11/06/18 | 4775.22 | 25.60 | 14.72 | ND | ND | 4760.50 |
| BH13 | 01/10/19 | 4775.22 | 24.87 | 15.02 | ND | ND | 4760.20 |
| BH13 | 04/18/19 | 4775.22 | 24.48 | 15.24 | ND | ND | 4759.98 |
| BH13 | 07/10/19 | 4775.22 | 24.38 | 14.00 | ND | ND | 4761.22 |
| BH13 | 10/02/19 | 4775.22 | 23.68 | 10.07 | ND | ND | 4762.07 |
| BH13 | 01/07/20 | 4775.22 | 23.51 | 10.07 | ND | ND | 4762.07 |
| BH13 | 04/20/20 | 4775.22 | 23.44 | 9.99 | ND | ND | 4762.15 |
| BH14 | 11/06/18 | 4774.89 | 26.00 | 15.80 | ND | ND | 4759.09 |
| BH14 | 01/10/19 | 4774.89 | 25.66 | 15.89 | ND | ND | 4759.00 |
| BH14 | 04/18/19 | 4774.89 | 24.94 | 16.02 | ND | ND | 4758.87 |
| BH14 ⁽¹⁾ | 07/10/19 | 4774.89 | 24.80 | 14.82 | ND | ND | 4760.07 |
| BH14 ⁽⁵⁾ | 10/02/19 | NM | 22.08 | NM | ND | ND | NM |
| BH14 ^(4, 5) | 01/07/20 | NM | 20.84 | NM | ND | ND | NM |
| BH14 | 04/20/20 | 4774.92 | 20.80 | 10.79 | ND | ND | 4761.00 |
| BH15 | 01/10/19 | 4773.89 | 25.00 | 11.49 | ND | ND | 4762.40 |
| BH15 | 04/18/19 | 4773.89 | 24.55 | 11.64 | ND | ND | 4762.25 |
| BH15 | 07/10/19 | 4773.89 | 24.34 | 9.67 | ND | ND | 4764.22 |
| BH15 | 10/02/19 | 4773.89 | 19.93 | 5.84 | ND | ND | 4765.96 |
| BH15 | 01/07/20 | 4773.89 | 23.98 | 6.70 | ND | ND | 4765.10 |
| BH15 | 04/20/20 | 4773.89 | 23.83 | 7.00 | ND | ND | 4764.80 |
| BH16 | 01/10/19 | 4776.93 | 27.87 | 13.94 | ND | ND | 4762.99 |
| BH16 | 04/18/19 | 4776.93 | 26.75 | 14.56 | ND | ND | 4762.37 |
| BH16 | 07/10/19 | 4776.93 | 26.80 | 12.38 | ND | ND | 4764.55 |
| BH16 | 10/02/19 | 4776.93 | 26.18 | 7.69 | ND | ND | 4766.11 |
| BH16 | 01/07/20 | 4776.93 | 26.14 | 8.30 | ND | ND | 4765.50 |
| BH16 | 04/20/20 | 4776.93 | 26.08 | 8.61 | ND | ND | 4765.19 |
| BH17 | 01/10/19 | 4778.81 | 28.27 | 15.24 | ND | ND | 4763.57 |
| BH17 | 04/18/19 | 4778.81 | 27.99 | 15.94 | ND | ND | 4762.87 |
| BH17 | 07/10/19 | 4778.81 | 27.91 | 13.44 | ND | ND | 4765.37 |
| BH17 | 10/02/19 | 4778.81 | 27.82 | 8.70 | ND | ND | 4766.88 |
| BH17 | 01/07/20 | 4778.81 | 27.71 | 9.37 | ND | ND | 4766.21 |
| BH17 | 04/20/20 | 4778.81 | 27.58 | 9.79 | ND | ND | 4765.79 |
| BH18 | 01/10/19 | 4777.44 | 30.00 | 15.72 | ND | ND | 4761.72 |

TABLE 1
GROUNDWATER ELEVATION DATA
NOBLE ENERGY, INC. - BEEBE DRAW RG 26-9, 23

| Monitoring Well ID | Date | Top of Casing Elevation (ft. AMSL) | Total Depth (ft. BTOC) | Depth to Water (ft.) ⁽²⁾ | Depth to LNAPL (ft.) ⁽²⁾ | LNAPL Thickness (ft.) | Groundwater Elevation* (ft. AMSL) |
|--------------------|----------|------------------------------------|------------------------|-------------------------------------|-------------------------------------|-----------------------|-----------------------------------|
| BH18 | 04/18/19 | 4777.44 | 29.18 | 16.15 | ND | ND | 4761.29 |
| BH18 | 07/10/19 | 4777.44 | 29.02 | 14.58 | ND | ND | 4762.86 |
| BH18 | 10/02/19 | 4777.44 | 28.69 | 11.00 | ND | ND | 4764.30 |
| BH18 | 01/07/20 | 4777.44 | 28.50 | 11.20 | ND | ND | 4764.10 |
| BH18 | 04/20/20 | 4777.44 | 28.35 | 11.35 | ND | ND | 4763.95 |
| BH19 | 01/07/20 | 4775.05 | 27.72 | 11.67 | ND | ND | 4759.98 |
| BH19 | 04/20/20 | 4775.05 | 27.75 | 11.34 | ND | ND | 4760.31 |
| BH20 | 01/07/20 | 4776.72 | 27.34 | 11.33 | ND | ND | 4761.64 |
| BH20 | 04/20/20 | 4776.72 | 26.90 | 11.11 | ND | ND | 4761.86 |
| BH21 | 01/07/20 | 4778.10 | 26.92 | 11.65 | ND | ND | 4763.36 |
| BH21 | 04/20/20 | 4778.10 | 26.65 | 11.51 | ND | ND | 4763.50 |

Notes:

ft. = Feet

AMSL = Above mean sea level

BTOC = Below top of casing

LNAPL = Light non-aqueous phase liquid

ND = No LNAPL detected

NM = Not Measured

1. Trace LNAPL observed

2. Depth to water measurements collected prior to third quarter 2019 were measured from top of well casing. Subsequent measurements were collected from top of casing and adjusted using survey data to reflect depth of water from ground surface.

3. Well casing was damaged and wells were sampled before casing repair, therefore elevation control lost

4. LNAPL observed in bailer at start of purge. Three volumes plus one gallon was purged from well before sample collected. LNAPL was not observed in sample bottle.

5. Well casing damaged, therefore elevation control lost.

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

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

LNAPL relative density was estimated to be approximately 0.75

TABLE 2
GROUNDWATER ANALYTICAL DATA
NOBLE ENERGY, INC. - BEEBE DRAW RG 26-9,23

| Monitoring Well ID | Date | Benzene (µg/L) | Toluene (µg/L) | Ethylbenzene (µg/L) | Total Xylenes (µg/L) |
|-----------------------|----------|-----------------------------------|----------------|---------------------|----------------------|
| COGCC Standard | | 5 | 560 | 700 | 1,400 |
| BH01 | 10/22/18 | 210 | 1.5 | 240 | 3,300 |
| BH01 | 01/10/19 | 140 | <1.0 | 380 | 3,500 |
| BH01 | 04/18/19 | 96 | <1.0 | 140 | 1,900 |
| BH01 | 07/10/19 | 78 | <1.0 | 200 | 2,300 |
| BH01 | 10/02/19 | 28 | <1.0 | <1.0 | 130 |
| BH01 | 01/07/20 | 35 | <1.0 | 73 | 170 |
| BH01 | 04/20/20 | 72 | <1.0 | <1.0 | 110 |
| BH02 | 10/22/18 | <1.0 | <1.0 | 1.1 | 7.9 |
| BH02 | 01/10/19 | <1.0 | <1.0 | <1.0 | <2.0 |
| BH02 | 04/18/19 | <1.0 | <1.0 | <1.0 | <2.0 |
| BH02 | 07/10/19 | <1.0 | <1.0 | <1.0 | <2.0 |
| BH02 | 10/02/19 | <1.0 | <1.0 | <1.0 | <2.0 |
| BH02 | 01/07/20 | <1.0 | <1.0 | <1.0 | <2.0 |
| BH02 | 04/20/20 | <1.0 | <1.0 | <1.0 | <2.0 |
| BH03 | 10/22/18 | <1.0 | <1.0 | <1.0 | <2.0 |
| BH03 | 01/10/19 | <1.0 | <1.0 | <1.0 | <2.0 |
| BH03 | 04/18/19 | <1.0 | <1.0 | <1.0 | <2.0 |
| BH03 | 07/10/19 | <1.0 | <1.0 | <1.0 | <2.0 |
| BH03 | 10/02/19 | <1.0 | <1.0 | <1.0 | <2.0 |
| BH03 | 01/07/20 | <1.0 | <1.0 | <1.0 | <2.0 |
| BH03 | 04/20/20 | <1.0 | <1.0 | <1.0 | <2.0 |
| BH04 | 10/22/18 | 48 | <1.0 | 150 | 590 |
| BH04 | 01/10/19 | 16 | <1.0 | 21 | 130 |
| BH04 | 04/18/19 | 3.6 | <1.0 | 3.5 | 26 |
| BH04 | 07/10/19 | 17 | <1.0 | 28 | 170 |
| BH04 | 10/02/19 | 2.6 | <1.0 | <1.0 | 62 |
| BH04 | 01/07/20 | 23 | <1.0 | 31 | 200 |
| BH04 | 04/20/20 | 36 | <1.0 | 30 | 180 |
| BH05 | 10/22/18 | <1.0 | <1.0 | <1.0 | 2.9 |
| BH05 | 01/10/19 | <1.0 | <1.0 | <1.0 | <2.0 |
| BH05 | 04/18/19 | <1.0 | <1.0 | <1.0 | <2.0 |
| BH05 | 07/10/19 | <1.0 | <1.0 | <1.0 | <2.0 |
| BH05 | 10/02/19 | <1.0 | <1.0 | <1.0 | <2.0 |
| BH05 | 01/07/20 | <1.0 | <1.0 | <1.0 | <2.0 |
| BH05 | 04/20/20 | <1.0 | <1.0 | <1.0 | <2.0 |
| BH06 | 10/22/18 | <1.0 | <1.0 | 6.1 | 19.0 |
| BH06 | 01/10/19 | <1.0 | <1.0 | <1.0 | <2.0 |
| BH06 | 04/18/19 | <1.0 | <1.0 | 1.9 | <2.0 |
| BH06 | 07/10/19 | <1.0 | <1.0 | <1.0 | <2.0 |
| BH06 | 10/02/19 | Unable to locate - Well Destroyed | | | |
| BH06R | 01/07/20 | 2.0 | <1.0 | 67 | 25 |

TABLE 2
GROUNDWATER ANALYTICAL DATA
NOBLE ENERGY, INC. - BEEBE DRAW RG 26-9,23

| Monitoring Well ID | Date | Benzene (µg/L) | Toluene (µg/L) | Ethylbenzene (µg/L) | Total Xylenes (µg/L) |
|-----------------------|----------|-----------------------------------|----------------|---------------------|----------------------|
| COGCC Standard | | 5 | 560 | 700 | 1,400 |
| BH06R | 04/20/20 | <1.0 | <1.0 | <1.0 | <2.0 |
| BH07 | 10/22/18 | <1.0 | <1.0 | <1.0 | <2.0 |
| BH07 | 01/10/19 | <1.0 | <1.0 | <1.0 | <2.0 |
| BH07 | 04/18/19 | <1.0 | <1.0 | <1.0 | <2.0 |
| BH07 | 07/10/19 | <1.0 | <1.0 | <1.0 | <2.0 |
| BH07 | 10/02/19 | <1.0 | <1.0 | <1.0 | <2.0 |
| BH07 | 01/07/20 | <1.0 | <1.0 | <1.0 | <2.0 |
| BH07 | 04/20/20 | <1.0 | <1.0 | <1.0 | <2.0 |
| BH08 | 10/22/18 | <1.0 | <1.0 | <1.0 | <2.0 |
| BH08 | 01/10/19 | <1.0 | <1.0 | <1.0 | <2.0 |
| BH08 | 04/18/19 | <1.0 | <1.0 | <1.0 | <2.0 |
| BH08 | 07/10/19 | <1.0 | <1.0 | <1.0 | <2.0 |
| BH08 | 10/02/19 | <1.0 | <1.0 | <1.0 | <2.0 |
| BH08 | 01/07/20 | <1.0 | <1.0 | <1.0 | <2.0 |
| BH08 | 04/20/20 | <1.0 | <1.0 | <1.0 | <2.0 |
| BH09 | 10/22/18 | <1.0 | <1.0 | 16 | 130 |
| BH09 | 01/10/19 | <1.0 | <1.0 | <1.0 | <2.0 |
| BH09 | 04/18/19 | <1.0 | <1.0 | <1.0 | <2.0 |
| BH09 | 07/10/19 | <1.0 | <1.0 | <1.0 | <2.0 |
| BH09 | 10/02/19 | <1.0 | <1.0 | <1.0 | <2.0 |
| BH09 | 01/07/20 | <1.0 | <1.0 | <1.0 | <2.0 |
| BH09 | 04/20/20 | <1.0 | <1.0 | <1.0 | <2.0 |
| BH10 | 11/06/18 | 8.6 | <1.0 | 120 | 990 |
| BH10 | 01/10/19 | 1.3 | <1.0 | 1.8 | 16 |
| BH10 | 04/18/19 | 1.2 | <1.0 | 1.6 | 13 |
| BH10 | 07/10/19 | 2.9 | <1.0 | 11 | 120 |
| BH10 | 10/02/19 | <1.0 | <1.0 | <1.0 | <2.0 |
| BH10 | 01/07/20 | 2.5 | <1.0 | 4.1 | 46 |
| BH10 | 04/20/20 | <1.0 | <1.0 | <1.0 | <2.0 |
| BH11 | 11/06/18 | 9.4 | <1.0 | 23 | 110 |
| BH11 | 01/10/19 | 9.7 | <1.0 | 18 | 77 |
| BH11 | 04/18/19 | 11 | <1.0 | 23 | 98 |
| BH11 | 07/10/19 | 17 | <1.0 | 39 | 180 |
| BH11 | 10/02/19 | <1.0 | <1.0 | <1.0 | <2.0 |
| BH11 | 01/07/20 | Unable to locate - Well Destroyed | | | |
| BH11 | 04/20/20 | <1.0 | <1.0 | <1.0 | <2.0 |
| BH12 | 11/06/18 | 4.2 | <1.0 | 51 | 250 |
| BH12 | 01/10/19 | 1.6 | <1.0 | <1.0 | <2.0 |
| BH12 | 04/18/19 | 2.5 | <1.0 | 1.8 | 11 |
| BH12 | 07/10/19 | 1.6 | <1.0 | <1.0 | <2.0 |
| BH12 | 10/02/19 | <1.0 | <1.0 | <1.0 | <2.0 |

TABLE 2
GROUNDWATER ANALYTICAL DATA
NOBLE ENERGY, INC. - BEEBE DRAW RG 26-9,23

| Monitoring Well ID | Date | Benzene (µg/L) | Toluene (µg/L) | Ethylbenzene (µg/L) | Total Xylenes (µg/L) |
|-----------------------|----------|----------------|----------------|---------------------|----------------------|
| COGCC Standard | | 5 | 560 | 700 | 1,400 |
| BH12 | 01/07/20 | 1.1 | <1.0 | 1.1 | 8.6 |
| BH12 | 04/20/20 | <1.0 | <1.0 | <1.0 | <2.0 |
| BH13 | 11/06/18 | <1.0 | <1.0 | <1.0 | <2.0 |
| BH13 | 01/10/19 | <1.0 | <1.0 | <1.0 | <2.0 |
| BH13 | 04/18/19 | <1.0 | <1.0 | <1.0 | <2.0 |
| BH13 | 07/10/19 | <1.0 | <1.0 | <1.0 | <2.0 |
| BH13 | 10/02/19 | <1.0 | <1.0 | <1.0 | <2.0 |
| BH13 | 01/07/20 | <1.0 | <1.0 | <1.0 | <2.0 |
| BH13 | 04/20/20 | <1.0 | <1.0 | <1.0 | <2.0 |
| BH14 | 11/06/18 | <1.0 | <1.0 | 42 | 220 |
| BH14 | 01/10/19 | <1.0 | <1.0 | <1.0 | 21 |
| BH14 | 04/18/19 | <1.0 | <1.0 | 130 | 3.2 |
| BH14 | 07/10/19 | 2.4 | <1.0 | 130 | 1,300 |
| BH14 | 10/02/19 | 1.3 | <1.0 | 1.9 | 300 |
| BH14 | 01/07/20 | 3.2 | <1.0 | 55 | 950 |
| BH14 | 04/20/20 | <1.0 | <1.0 | <1.0 | 540 |
| BH15 | 01/10/19 | <1.0 | <1.0 | <1.0 | <2.0 |
| BH15 | 04/18/19 | <1.0 | <1.0 | <1.0 | <2.0 |
| BH15 | 07/10/19 | <1.0 | <1.0 | <1.0 | <2.0 |
| BH15 | 10/02/19 | <1.0 | <1.0 | <1.0 | <2.0 |
| BH15 | 01/07/20 | <1.0 | <1.0 | <1.0 | 5.6 |
| BH15 | 04/20/20 | <1.0 | <1.0 | <1.0 | <2.0 |
| BH16 | 01/10/19 | 2.2 | <1.0 | 22 | 150 |
| BH16 | 04/18/19 | 1.4 | <1.0 | <1.0 | 5.6 |
| BH16 | 07/10/19 | <1.0 | <1.0 | <1.0 | <2.0 |
| BH16 | 10/02/19 | <1.0 | <1.0 | <1.0 | <2.0 |
| BH16 | 01/07/20 | 1.6 | <1.0 | <1.0 | <2.0 |
| BH16 | 04/20/20 | <1.0 | <1.0 | <1.0 | <2.0 |
| BH17 | 01/10/19 | <1.0 | <1.0 | <1.0 | <2.0 |
| BH17 | 04/18/19 | <1.0 | <1.0 | <1.0 | <2.0 |
| BH17 | 07/10/19 | <1.0 | <1.0 | <1.0 | <2.0 |
| BH17 | 10/02/19 | <1.0 | <1.0 | <1.0 | <2.0 |
| BH17 | 01/07/20 | <1.0 | <1.0 | <1.0 | <2.0 |
| BH17 | 04/20/20 | <1.0 | <1.0 | <1.0 | <2.0 |
| BH18 | 01/10/19 | 58 | <1.0 | 25 | 350 |
| BH18 | 04/18/19 | 2.4 | <1.0 | <1.0 | <2.0 |
| BH18 | 07/10/19 | 16 | <1.0 | <1.0 | <2.0 |
| BH18 | 10/02/19 | <1.0 | <1.0 | <1.0 | <2.0 |
| BH18 | 01/07/20 | <1.0 | <1.0 | <1.0 | <2.0 |
| BH18 | 04/20/20 | <1.0 | <1.0 | <1.0 | <2.0 |
| BH19 | 01/07/20 | 3.5 | <1.0 | 200 | 1,600 |

TABLE 2
GROUNDWATER ANALYTICAL DATA
NOBLE ENERGY, INC. - BEEBE DRAW RG 26-9,23

| Monitoring Well ID | Date | Benzene (µg/L) | Toluene (µg/L) | Ethylbenzene (µg/L) | Total Xylenes (µg/L) |
|-----------------------|----------|----------------|----------------|---------------------|----------------------|
| COGCC Standard | | 5 | 560 | 700 | 1,400 |
| BH19 | 04/20/20 | <1.0 | <1.0 | <1.0 | 200 |
| BH20 | 01/07/20 | 1.9 | <1.0 | <1.0 | 18 |
| BH20 | 04/20/20 | <1.0 | <1.0 | <1.0 | <2.0 |
| BH21 | 01/07/20 | <1.0 | <1.0 | <1.0 | <2.0 |
| BH21 | 04/20/20 | <1.0 | <1.0 | <1.0 | <2.0 |

Notes:

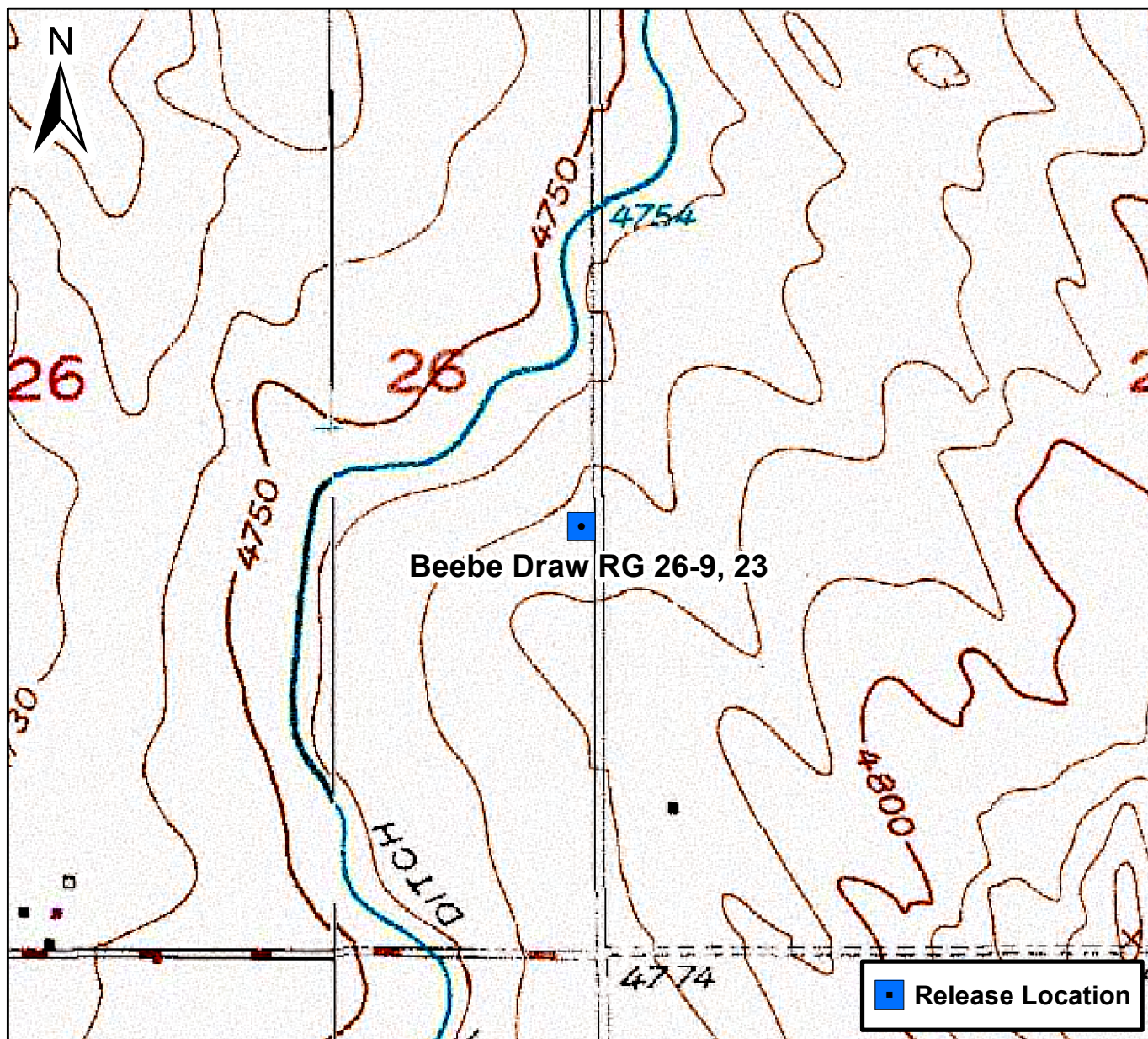
COGCC = Colorado Oil and Gas Conservation Commission

µg/L = Micrograms per liter

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

Groundwater standards referenced from COGCC Table 910-1

Highlighted results are equal to or exceed the COGCC Table 910-1 standard



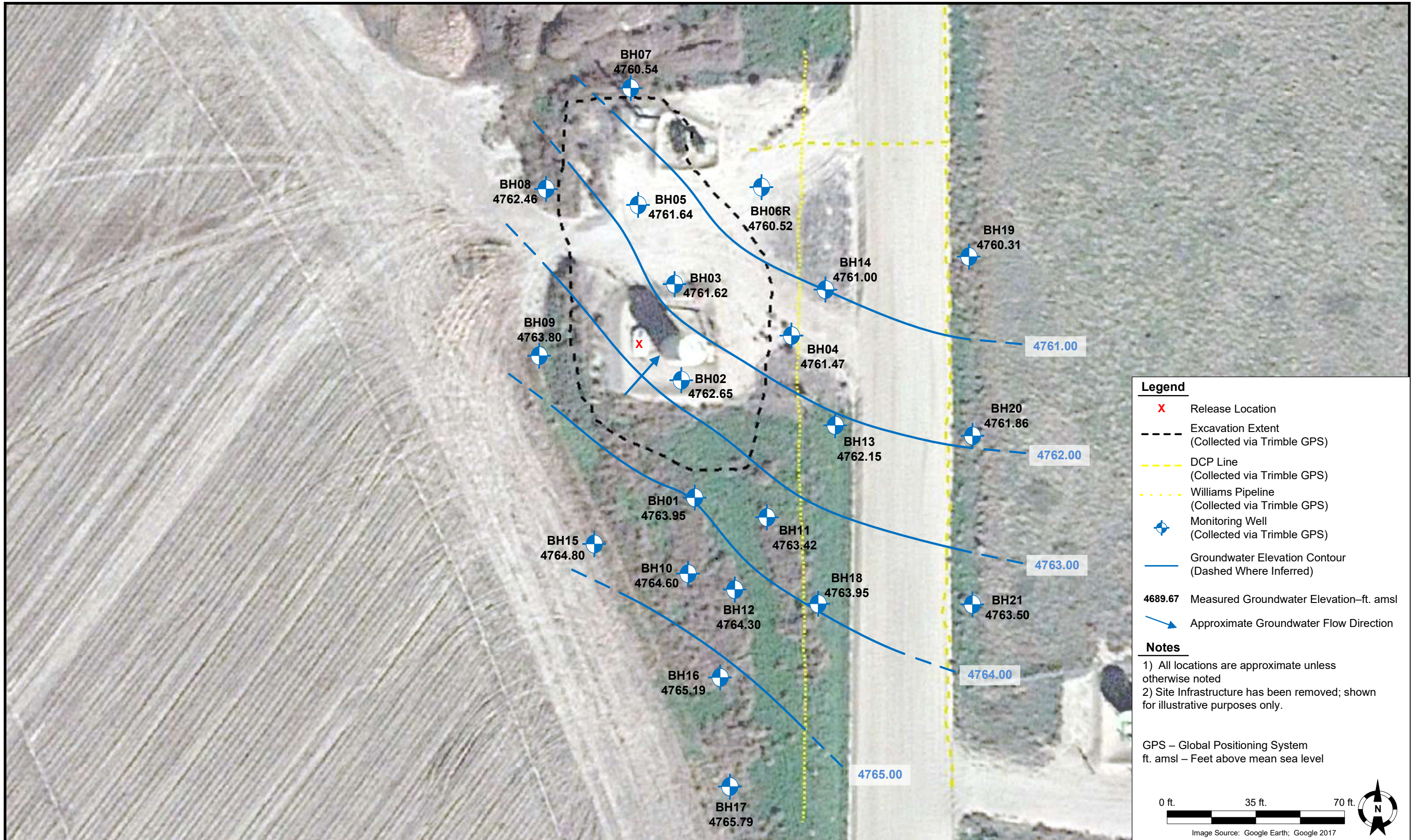
0 750 1,500 Feet

Figure 1

Site Location Map
Beebe Draw RG 26-9, 23
NESE Sec. 26-T4N-R65W
Weld County, Colorado







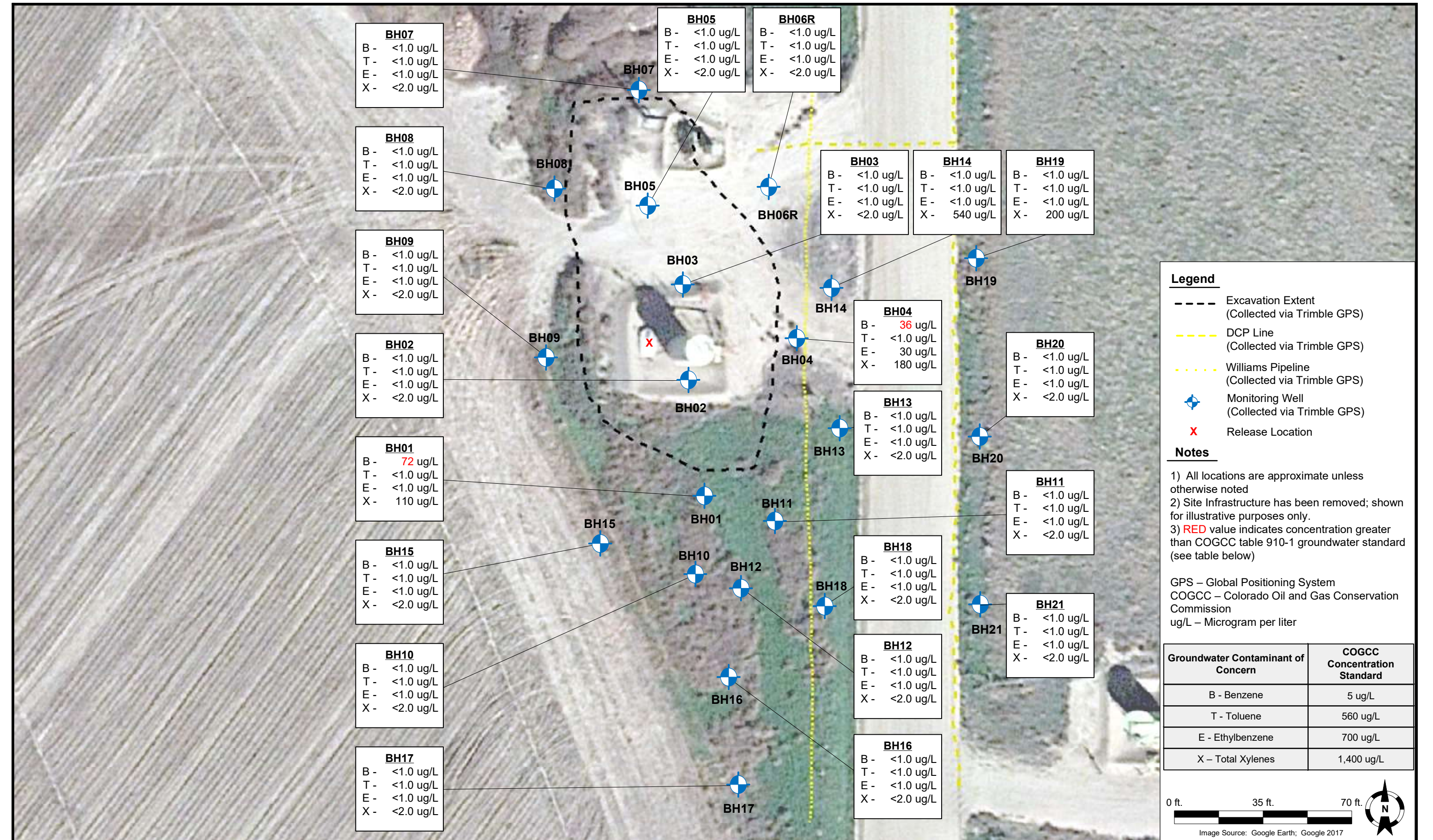
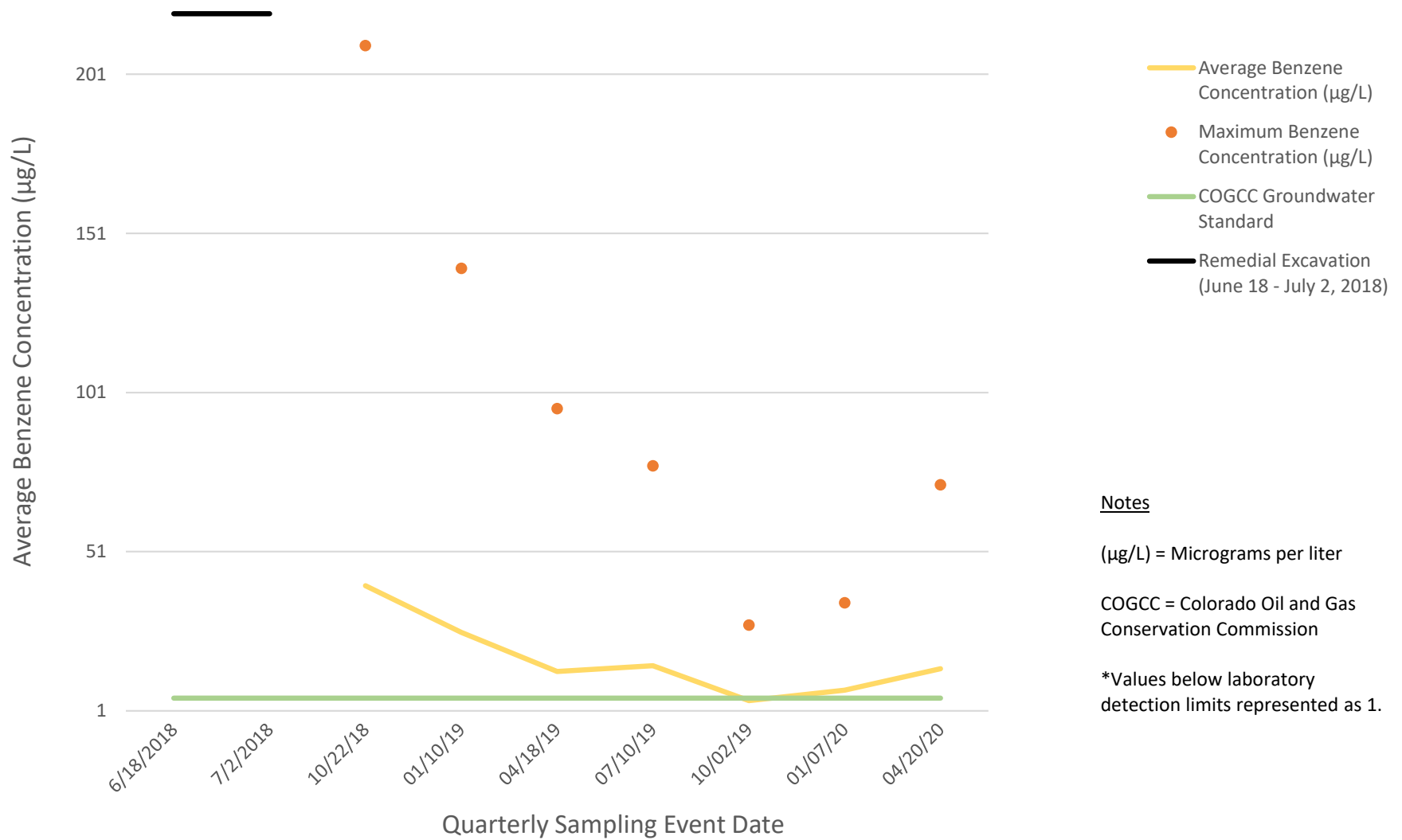


Figure 5
Beebe Draw RG 26-9, 23
Quarterly Benzene Concentrations



Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

May 19, 2020

Brandon Bruns

Tasman Geosciences

6855 W. 119th Ave.


Broomfield, CO 80020

RE: Noble - Beebe Draw RG 26-9,23

Work Order #2004257

Enclosed are the results of analyses for samples received by Summit Scientific on 04/20/20 17:20. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Muri Premier", is displayed on a light purple rectangular background.

Muri Premier For Paul Shrewsbury
President



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

Project: Noble - Beebe Draw RG 26-9,23

Project Number: [none]
Project Manager: Brandon Brun

Reported:
05/19/20 09:28

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------|---------------|--------|----------------|----------------|
| BH01 | 2004257-01 | Water | 04/20/20 12:00 | 04/20/20 17:20 |
| BH02 | 2004257-02 | Water | 04/20/20 12:10 | 04/20/20 17:20 |
| BH03 | 2004257-03 | Water | 04/20/20 12:05 | 04/20/20 17:20 |
| BH04 | 2004257-04 | Water | 04/20/20 12:25 | 04/20/20 17:20 |
| BH05 | 2004257-05 | Water | 04/20/20 11:45 | 04/20/20 17:20 |
| BH06R | 2004257-06 | Water | 04/20/20 11:55 | 04/20/20 17:20 |
| BH07 | 2004257-07 | Water | 04/20/20 11:25 | 04/20/20 17:20 |
| BH08 | 2004257-08 | Water | 04/20/20 11:35 | 04/20/20 17:20 |
| BH09 | 2004257-09 | Water | 04/20/20 12:25 | 04/20/20 17:20 |
| BH10 | 2004257-10 | Water | 04/20/20 11:15 | 04/20/20 17:20 |
| BH11 | 2004257-11 | Water | 04/20/20 11:30 | 04/20/20 17:20 |
| BH12 | 2004257-12 | Water | 04/20/20 11:40 | 04/20/20 17:20 |
| BH13 | 2004257-13 | Water | 04/20/20 11:15 | 04/20/20 17:20 |
| BH14 | 2004257-14 | Water | 04/20/20 12:15 | 04/20/20 17:20 |
| BH15 | 2004257-15 | Water | 04/20/20 11:00 | 04/20/20 17:20 |
| BH16 | 2004257-16 | Water | 04/20/20 10:40 | 04/20/20 17:20 |
| BH17 | 2004257-17 | Water | 04/20/20 10:25 | 04/20/20 17:20 |
| BH18 | 2004257-18 | Water | 04/20/20 10:50 | 04/20/20 17:20 |
| BH19 | 2004257-19 | Water | 04/20/20 11:00 | 04/20/20 17:20 |
| BH20 | 2004257-20 | Water | 04/20/20 10:45 | 04/20/20 17:20 |
| BH21 | 2004257-21 | Water | 04/20/20 10:35 | 04/20/20 17:20 |

Sample ID has been changed per request of MG 05/19/20
Sample ID BH11R has been changed to BH11

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

2004-257.1


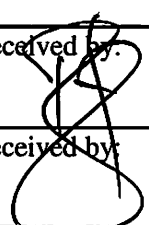
4653 Table Mountain Drive ♦ Golden, Colorado 80403

303-277-9310

Page 1 of 3

Client: Noble / Tasman Project Manager: Brandon Bruns, Invoice: Jacob Evans
 Address: 6855 W 119th Avenue E-Mail: Bbruns@tasman-geo.com
 City/State/Zip: Broomfield, CO, 80020
 Phone: 979-255-4235 Project Name: Beebe Draw RG 26-923
 Sampler Name: Max Garza Project Number: N/A

| 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 | 8260 BTEX | 8260B GBTEXN | 8015 DRO | pH, EC, SAR | | |
| 1 | BH01 | 4/20/10 | 1200 | 3 | | | X | | X | | | | | X | | | | |
| 2 | BH02 | | 1210 | | | | | | | | | | | | | | | |
| 3 | BH03 | | 1205 | | | | | | | | | | | | | | | |
| 4 | BH04 | | 1225 | | | | | | | | | | | | | | | |
| 5 | BH05 | | 1145 | | | | | | | | | | | | | | | |
| 6 | BH06R | | 1155 | | | | | | | | | | | | | | | |
| 7 | BH07 | | 1125 | | | | | | | | | | | | | | | |
| 8 | BH08 | | 1135 | | | | | | | | | | | | | | | |
| 9 | BH09 | | 1225 | | | | | | | | | | | | | | | |
| 10 | BH10 | ✓ | 1115 | ✓ | | | ✓ | | ✓ | | | | ✓ | | | | | |

| | | | | | |
|---|-------------------------------|--|-------------------------------|---|--------|
| Relinquished by:  | Date/Time: 1400 4/20/20 | Received by: Tasman's Lock Box | Date/Time: 1400 4/20/20 | Turn Around Time (Check) Same Day <input type="checkbox"/> 72 hours <input checked="" type="checkbox"/> 24 hours <input type="checkbox"/> Standard <input checked="" type="checkbox"/> 48 hours <input type="checkbox"/> | Notes: |
| Relinquished by: Tasman's Lock Box | Date/Time: 04/20/2026 1720 | Received by:  | Date/Time: 04/20/2026 1720 | Sample Integrity: Temperature Upon Receipt: 2.7 Samples Intact: <input checked="" type="radio"/> Yes <input type="radio"/> No | |
| Relinquished by: | Date/Time: | Received by: | Date/Time: | | |

200425A2

Summit Scientific

S₂

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

Page 2 of 3

Client: Noble / Tasman

Project Manager: Brandon Bruns, Invoice:

Address: 6855 W 119th Avenue

E-Mail: Bbruns@tasman-geo.com

City/State/Zip: Broomfield, CO, 80020

Phone: 979-255-4235

Project Name: Beebe Draw R6 26-9, 23

Sampler Name: Max Garza

Project Number: N/A

| 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 | 8260 BTEX | 8260B GBTEXN | 8015 DRO | pH, EC, SAR | | |
| 1 | BH11R | 4/20/20 | 11:30 | 3 | | | X | | X | | | | | X | | | | |
| 2 | BH12 | | 11:40 | | | | | | | | | | | | | | | |
| 3 | BH13 | | 11:15 | | | | | | | | | | | | | | | |
| 4 | BH14 | | 12:15 | | | | | | | | | | | | | | | |
| 5 | BH15 | | 11:00 | | | | | | | | | | | | | | | |
| 6 | BH16 | | 10:40 | | | | | | | | | | | | | | | |
| 7 | BH17 | | 10:25 | | | | | | | | | | | | | | | |
| 8 | BH18 | | 10:50 | | | | | | | | | | | | | | | |
| 9 | BH19 | | 11:00 | | | | | | | | | | | | | | | |
| 10 | BH20 | ↓ | 10:45 | ↓ | | | | | ↓ | | | | | ↓ | | | | |

| | | | | | | |
|-------------------|---------------------|-------------------|---------------------|---------------------------|----------|--------|
| Relinquished by: | Date/Time: | Received by: | Date/Time: | Turn Around Time | (Check) | Notes: |
| | 14:00 4/20/20 | Tasman's Lock Box | 14:00 4/20/20 | Same Day | 72 hours | |
| Relinquished by: | Date/Time: | Received by: | Date/Time: | 24 hours | Standard | |
| Tasman's Lock Box | 04/20/2026 17:20 | | 04/20/2020 17:20 | 48 hours | | |
| Relinquished by: | Date/Time: | Received by: | Date/Time: | Sample Integrity: | | |
| | | | | Temperature Upon Receipt: | 2-7 | |
| | | | | Samples Intact: | Yes No | |

20042573

Summit Scientific

S₂

4653 Table Mountain Drive ♦ Golden, Colorado 80403

303-277-9310

Page 3 of 3

Client: Noble / Tasman

Project Manager: Brandon Bruns, Invoice:

Address: 6855 W 119th Avenue

E-Mail: Bbruns@tasman-geo.com

City/State/Zip: Broomfield, CO, 80020

Phone: 979-255-4235

Project Name: Beebe Draw R6 26-9, 23

Sampler Name: Max Garza

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 | 8260 BTEX | 8260B GBTEXN | 8015 DRO | pH, EC, SAR | | |
| 1 | BH21 | 4/20/20 | 1035 | 3 | | | X | | X | | | | | X | | | | |
| 2 | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | |

| | | | | | |
|---|---|---------------------------------------|---|---|--------|
| Relinquished by: <u>Max Garza</u> | Date/Time: <u>14 00</u> <u>4/20/20</u> | Received by: <u>Tasman's Lock Box</u> | Date/Time: <u>14 00</u> <u>4/20/20</u> | Turn Around Time (Check) | Notes: |
| Relinquished by: <u>Tasman's Lock Box</u> | Date/Time: <u>04/20/2020</u> <u>1700</u> | Received by: <u>[Signature]</u> | Date/Time: <u>04/20/2020</u> <u>1700</u> | Same Day <input type="checkbox"/> 72 hours <input checked="" type="checkbox"/> 24 hours <input type="checkbox"/> Standard <input checked="" type="checkbox"/> 48 hours <input type="checkbox"/> | |
| Relinquished by: | Date/Time: | Received by: | Date/Time: | Sample Integrity: Temperature Upon Receipt: <u>2.7</u> Samples Intact: <input checked="" type="radio"/> Yes <input type="radio"/> No | |

Sample Receipt Checklist

S2 Work Order 2004257

Client: NOBLE / TASMAN

Client Project ID: BEEBE DRAW RG 26-9,23

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 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 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.

RZ

Custodian Printed Name or Initials

Signature of Custodian

4/20/20

Date/Time



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

Project: Noble - Beebe Draw RG 26-9,23

Project Number: [none]
Project Manager: Brandon Brun

Reported:
05/19/20 09:28

BH01
2004257-01 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/20/20 12:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|------------|-----------|--|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| Benzene | 72 | 1.0 | | ug/l | 1 | 2004250 | 04/21/20 | 04/22/20 | EPA 8260B | |
| Toluene | ND | 1.0 | | " | " | " | " | " | " | |
| Ethylbenzene | ND | 1.0 | | " | " | " | " | " | " | |
| Xylenes (total) | 110 | 2.0 | | " | " | " | " | " | " | |

Date Sampled: **04/20/20 12:00**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 110 % | | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 101 % | | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 153 % | | 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: Noble - Beebe Draw RG 26-9,23

Project Number: [none]
Project Manager: Brandon Brun

Reported:
05/19/20 09:28

BH02
2004257-02 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/20/20 12:10**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | |
| Benzene | ND | 1.0 | ug/l | 1 | 2004250 | 04/21/20 | 04/22/20 | EPA 8260B | |
| Toluene | ND | 1.0 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 1.0 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 2.0 | " | " | " | " | " | " | |

Date Sampled: **04/20/20 12:10**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 97.7 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 96.5 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 106 % | 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: Noble - Beebe Draw RG 26-9,23

Project Number: [none]
Project Manager: Brandon Brun

Reported:
05/19/20 09:28

BH03
2004257-03 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/20/20 12:05**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | |
| Benzene | ND | 1.0 | ug/l | 1 | 2004250 | 04/21/20 | 04/22/20 | EPA 8260B | |
| Toluene | ND | 1.0 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 1.0 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 2.0 | " | " | " | " | " | " | |

Date Sampled: **04/20/20 12:05**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 101 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 98.1 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 97.8 % | 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: Noble - Beebe Draw RG 26-9,23

Project Number: [none]
Project Manager: Brandon Brun

Reported:
05/19/20 09:28

BH04
2004257-04 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/20/20 12:25**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|------------|-----------|--|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | | |
| Benzene | 36 | 10 | | ug/l | 10 | 2004250 | 04/21/20 | 04/22/20 | EPA 8260B | |
| Toluene | ND | 1.0 | | " | 1 | " | " | " | " | |
| Ethylbenzene | 30 | 10 | | " | 10 | " | " | " | " | |
| Xylenes (total) | 180 | 20 | | " | " | " | " | " | " | |

Date Sampled: **04/20/20 12:25**

| Analyte | Result | Reporting | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 90.2 % | | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 99.8 % | | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 101 % | | 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: Noble - Beebe Draw RG 26-9,23

Project Number: [none]
Project Manager: Brandon Brun

Reported:
05/19/20 09:28

BH05
2004257-05 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/20/20 11:45**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | |
| Benzene | ND | 1.0 | ug/l | 1 | 2004250 | 04/21/20 | 04/22/20 | EPA 8260B | |
| Toluene | ND | 1.0 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 1.0 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 2.0 | " | " | " | " | " | " | |

Date Sampled: **04/20/20 11:45**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 95.2 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 96.8 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 103 % | 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: Noble - Beebe Draw RG 26-9,23

Project Number: [none]
Project Manager: Brandon Bruns

Reported:
05/19/20 09:28

BH06R
2004257-06 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/20/20 11:55**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | |
| Benzene | ND | 1.0 | ug/l | 1 | 2004250 | 04/21/20 | 04/22/20 | EPA 8260B | |
| Toluene | ND | 1.0 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 1.0 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 2.0 | " | " | " | " | " | " | |

Date Sampled: **04/20/20 11:55**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 103 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 97.4 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 138 % | 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: Noble - Beebe Draw RG 26-9,23

Project Number: [none]
Project Manager: Brandon Brun

Reported:
05/19/20 09:28

BH07
2004257-07 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/20/20 11:25**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | |
| Benzene | ND | 1.0 | ug/l | 1 | 2004250 | 04/21/20 | 04/22/20 | EPA 8260B | |
| Toluene | ND | 1.0 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 1.0 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 2.0 | " | " | " | " | " | " | |

Date Sampled: **04/20/20 11:25**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 93.1 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 97.9 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 103 % | 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: Noble - Beebe Draw RG 26-9,23

Project Number: [none]
Project Manager: Brandon Brun

Reported:
05/19/20 09:28

BH08
2004257-08 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/20/20 11:35**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | |
| Benzene | ND | 1.0 | ug/l | 1 | 2004250 | 04/21/20 | 04/22/20 | EPA 8260B | |
| Toluene | ND | 1.0 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 1.0 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 2.0 | " | " | " | " | " | " | |

Date Sampled: **04/20/20 11:35**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 100 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 99.1 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 102 % | 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: Noble - Beebe Draw RG 26-9,23

Project Number: [none]
Project Manager: Brandon Brun

Reported:
05/19/20 09:28

BH09
2004257-09 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/20/20 12:25**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | |
| Benzene | ND | 1.0 | ug/l | 1 | 2004250 | 04/21/20 | 04/22/20 | EPA 8260B | |
| Toluene | ND | 1.0 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 1.0 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 2.0 | " | " | " | " | " | " | |

Date Sampled: **04/20/20 12:25**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 98.9 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 98.8 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 102 % | 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: Noble - Beebe Draw RG 26-9,23

Project Number: [none]
Project Manager: Brandon Brun

Reported:
05/19/20 09:28

BH10
2004257-10 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/20/20 11:15**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | |
| Benzene | ND | 1.0 | ug/l | 1 | 2004250 | 04/21/20 | 04/22/20 | EPA 8260B | |
| Toluene | ND | 1.0 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 1.0 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 2.0 | " | " | " | " | " | " | |

Date Sampled: **04/20/20 11:15**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 98.9 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 100 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 108 % | 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: Noble - Beebe Draw RG 26-9,23

Project Number: [none]
Project Manager: Brandon Brun

Reported:
05/19/20 09:28

BH11
2004257-11 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/20/20 11:30**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | |
| Benzene | ND | 1.0 | ug/l | 1 | 2004250 | 04/21/20 | 04/22/20 | EPA 8260B | |
| Toluene | ND | 1.0 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 1.0 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 2.0 | " | " | " | " | " | " | |

Date Sampled: **04/20/20 11:30**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 95.8 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 99.2 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 106 % | 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: Noble - Beebe Draw RG 26-9,23

Project Number: [none]
Project Manager: Brandon Brun

Reported:
05/19/20 09:28

BH12
2004257-12 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/20/20 11:40**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | |
| Benzene | ND | 1.0 | ug/l | 1 | 2004250 | 04/21/20 | 04/22/20 | EPA 8260B | |
| Toluene | ND | 1.0 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 1.0 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 2.0 | " | " | " | " | " | " | |

Date Sampled: **04/20/20 11:40**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 98.9 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 70.8 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 102 % | 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: Noble - Beebe Draw RG 26-9,23

Project Number: [none]
Project Manager: Brandon Brun

Reported:
05/19/20 09:28

BH13
2004257-13 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/20/20 11:15**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | |
| Benzene | ND | 1.0 | ug/l | 1 | 2004250 | 04/21/20 | 04/22/20 | EPA 8260B | |
| Toluene | ND | 1.0 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 1.0 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 2.0 | " | " | " | " | " | " | |

Date Sampled: **04/20/20 11:15**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 95.1 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 98.8 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 101 % | 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: Noble - Beebe Draw RG 26-9,23

Project Number: [none]
Project Manager: Brandon Brun

Reported:
05/19/20 09:28

BH14
2004257-14 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/20/20 12:15**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|------------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | |
| Benzene | ND | 1.0 | ug/l | 1 | 2004250 | 04/21/20 | 04/22/20 | EPA 8260B | |
| Toluene | ND | 1.0 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 1.0 | " | " | " | " | " | " | |
| Xylenes (total) | 540 | 20 | " | 10 | " | " | " | " | |

Date Sampled: **04/20/20 12:15**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 91.1 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 99.6 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 107 % | 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: Noble - Beebe Draw RG 26-9,23

Project Number: [none]
Project Manager: Brandon Bruns

Reported:
05/19/20 09:28

BH15
2004257-15 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/20/20 11:00**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | |
| Benzene | ND | 1.0 | ug/l | 1 | 2004250 | 04/21/20 | 04/22/20 | EPA 8260B | |
| Toluene | ND | 1.0 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 1.0 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 2.0 | " | " | " | " | " | " | |

Date Sampled: **04/20/20 11:00**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 95.8 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 97.1 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 102 % | 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: Noble - Beebe Draw RG 26-9,23

Project Number: [none]
Project Manager: Brandon Bruns

Reported:
05/19/20 09:28

BH16
2004257-16 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/20/20 10:40**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | |
| Benzene | ND | 1.0 | ug/l | 1 | 2004250 | 04/21/20 | 04/22/20 | EPA 8260B | |
| Toluene | ND | 1.0 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 1.0 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 2.0 | " | " | " | " | " | " | |

Date Sampled: **04/20/20 10:40**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 97.1 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 99.1 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 106 % | 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: Noble - Beebe Draw RG 26-9,23

Project Number: [none]
Project Manager: Brandon Brun

Reported:
05/19/20 09:28

BH17
2004257-17 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/20/20 10:25**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | |
| Benzene | ND | 1.0 | ug/l | 1 | 2004250 | 04/21/20 | 04/22/20 | EPA 8260B | |
| Toluene | ND | 1.0 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 1.0 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 2.0 | " | " | " | " | " | " | |

Date Sampled: **04/20/20 10:25**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 98.8 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 99.2 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 99.8 % | 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: Noble - Beebe Draw RG 26-9,23

Project Number: [none]
Project Manager: Brandon Brun

Reported:
05/19/20 09:28

BH18
2004257-18 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/20/20 10:50**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | |
| Benzene | ND | 1.0 | ug/l | 1 | 2004250 | 04/21/20 | 04/22/20 | EPA 8260B | |
| Toluene | ND | 1.0 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 1.0 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 2.0 | " | " | " | " | " | " | |

Date Sampled: **04/20/20 10:50**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 96.8 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 99.3 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 101 % | 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: Noble - Beebe Draw RG 26-9,23

Project Number: [none]
Project Manager: Brandon Brun

Reported:
05/19/20 09:28

BH19
2004257-19 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/20/20 11:00**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------|------------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | |
| Benzene | ND | 1.0 | ug/l | 1 | 2004250 | 04/21/20 | 04/22/20 | EPA 8260B | |
| Toluene | ND | 1.0 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 1.0 | " | " | " | " | " | " | |
| Xylenes (total) | 200 | 2.0 | " | " | " | " | " | " | |

Date Sampled: **04/20/20 11:00**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 100 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 96.5 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 105 % | 21-167 | | " | " | " | " | |

Summit Scientific

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

Project: Noble - Beebe Draw RG 26-9,23

Project Number: [none]
Project Manager: Brandon Brun

Reported:
05/19/20 09:28

BH20
2004257-20 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/20/20 10:45**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | |
| Benzene | ND | 1.0 | ug/l | 1 | 2004250 | 04/21/20 | 04/22/20 | EPA 8260B | |
| Toluene | ND | 1.0 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 1.0 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 2.0 | " | " | " | " | " | " | |

Date Sampled: **04/20/20 10:45**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 93.2 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 98.4 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 103 % | 21-167 | | " | " | " | " | |

Summit Scientific

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

Project: Noble - Beebe Draw RG 26-9,23

Project Number: [none]
Project Manager: Brandon Bruns

Reported:
05/19/20 09:28

BH21
2004257-21 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **04/20/20 10:35**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------|--------|-----------|-------|----------|---------|----------|----------|-----------|-------|
| | | Limit | | | | | | | |
| Benzene | ND | 1.0 | ug/l | 1 | 2004249 | 04/21/20 | 04/22/20 | EPA 8260B | |
| Toluene | ND | 1.0 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 1.0 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 2.0 | " | " | " | " | " | " | |

Date Sampled: **04/20/20 10:35**

| Analyte | Result | Reporting | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|-------|
| | | Limit | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | | 75.1 % | 23-173 | | " | " | " | " | |
| Surrogate: Toluene-d8 | | 98.4 % | 20-170 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 95.2 % | 21-167 | | " | " | " | " | |

Summit Scientific

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

Project: Noble - Beebe Draw RG 26-9,23

Project Number: [none]
Project Manager: Brandon Brunns

Reported:
05/19/20 09:28

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 2004249 - EPA 5030 Water MS

Blank (2004249-BLK1)

Prepared & Analyzed: 04/21/20

| | | | | | | | | | | |
|----------------------------------|------|-----|------|------|--|------|--------|--|--|--|
| Benzene | ND | 1.0 | ug/l | | | | | | | |
| Toluene | ND | 1.0 | " | | | | | | | |
| Ethylbenzene | ND | 1.0 | " | | | | | | | |
| Xylenes (total) | ND | 2.0 | " | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 10.8 | | " | 13.3 | | 81.0 | 23-173 | | | |
| Surrogate: Toluene-d8 | 13.6 | | " | 13.3 | | 102 | 20-170 | | | |
| Surrogate: 4-Bromofluorobenzene | 12.9 | | " | 13.3 | | 96.8 | 21-167 | | | |

LCS (2004249-BS1)

Prepared & Analyzed: 04/21/20

| | | | | | | | | | | |
|----------------------------------|------|-----|------|------|--|------|--------|--|--|--|
| Benzene | 24.0 | 1.0 | ug/l | 33.3 | | 72.1 | 51-132 | | | |
| Toluene | 23.7 | 1.0 | " | 33.3 | | 71.2 | 51-138 | | | |
| Ethylbenzene | 28.6 | 1.0 | " | 33.3 | | 85.9 | 58-146 | | | |
| m,p-Xylene | 55.0 | 2.0 | " | 66.7 | | 82.5 | 57-144 | | | |
| o-Xylene | 28.2 | 1.0 | " | 33.3 | | 84.7 | 53-146 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 10.1 | | " | 13.3 | | 75.7 | 23-173 | | | |
| Surrogate: Toluene-d8 | 12.9 | | " | 13.3 | | 96.8 | 20-170 | | | |
| Surrogate: 4-Bromofluorobenzene | 12.8 | | " | 13.3 | | 95.8 | 21-167 | | | |

Matrix Spike (2004249-MS1)

Source: 2004256-01

Prepared & Analyzed: 04/21/20

| | | | | | | | | | | |
|----------------------------------|------|-----|------|------|------|------|--------|--|--|--|
| Benzene | 26.3 | 1.0 | ug/l | 33.3 | 2.66 | 70.8 | 34-141 | | | |
| Toluene | 22.4 | 1.0 | " | 33.3 | ND | 67.2 | 27-151 | | | |
| Ethylbenzene | 31.5 | 1.0 | " | 33.3 | 2.09 | 88.4 | 29-160 | | | |
| m,p-Xylene | 58.7 | 2.0 | " | 66.7 | 2.01 | 85.1 | 20-166 | | | |
| o-Xylene | 28.9 | 1.0 | " | 33.3 | ND | 86.8 | 33-159 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 9.08 | | " | 13.3 | | 68.1 | 23-173 | | | |
| Surrogate: Toluene-d8 | 12.0 | | " | 13.3 | | 90.4 | 20-170 | | | |
| Surrogate: 4-Bromofluorobenzene | 16.8 | | " | 13.3 | | 126 | 21-167 | | | |

Summit Scientific

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

Project: Noble - Beebe Draw RG 26-9,23

Project Number: [none]
Project Manager: Brandon Brunns

Reported:
05/19/20 09:28

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 2004249 - EPA 5030 Water MS

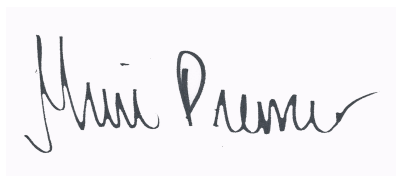
| Matrix Spike Dup (2004249-MSD1) | | | Source: 2004256-01 | | Prepared & Analyzed: 04/21/20 | | | | | |
|----------------------------------|------|-----|--------------------|------|-------------------------------|------|--------|------|----|--|
| Benzene | 26.6 | 1.0 | ug/l | 33.3 | 2.66 | 71.7 | 34-141 | 1.10 | 30 | |
| Toluene | 23.6 | 1.0 | " | 33.3 | ND | 70.9 | 27-151 | 5.34 | 30 | |
| Ethylbenzene | 29.6 | 1.0 | " | 33.3 | 2.09 | 82.6 | 29-160 | 6.28 | 30 | |
| m,p-Xylene | 55.4 | 2.0 | " | 66.7 | 2.01 | 80.1 | 20-166 | 5.89 | 30 | |
| o-Xylene | 28.4 | 1.0 | " | 33.3 | ND | 85.3 | 33-159 | 1.71 | 30 | |
| Surrogate: 1,2-Dichloroethane-d4 | 12.0 | | " | 13.3 | | 89.9 | 23-173 | | | |
| Surrogate: Toluene-d8 | 12.7 | | " | 13.3 | | 95.0 | 20-170 | | | |
| Surrogate: 4-Bromofluorobenzene | 16.7 | | " | 13.3 | | 125 | 21-167 | | | |

Batch 2004250 - EPA 5030 Water MS

| Blank (2004250-BLK1) | | | Prepared: 04/21/20 Analyzed: 04/22/20 | | | | | | | |
|----------------------------------|------|-----|---------------------------------------|------|--|------|--------|--|--|--|
| Benzene | ND | 1.0 | ug/l | | | | | | | |
| Toluene | ND | 1.0 | " | | | | | | | |
| Ethylbenzene | ND | 1.0 | " | | | | | | | |
| Xylenes (total) | ND | 2.0 | " | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 12.7 | | " | 13.3 | | 95.5 | 23-173 | | | |
| Surrogate: Toluene-d8 | 12.7 | | " | 13.3 | | 95.5 | 20-170 | | | |
| Surrogate: 4-Bromofluorobenzene | 13.4 | | " | 13.3 | | 100 | 21-167 | | | |
| LCS (2004250-BS1) | | | Prepared: 04/21/20 Analyzed: 04/22/20 | | | | | | | |
| Benzene | 19.5 | 1.0 | ug/l | 33.3 | | 58.5 | 51-132 | | | |
| Toluene | 23.7 | 1.0 | " | 33.3 | | 71.2 | 51-138 | | | |
| Ethylbenzene | 22.7 | 1.0 | " | 33.3 | | 68.2 | 58-146 | | | |
| m,p-Xylene | 44.2 | 2.0 | " | 66.7 | | 66.4 | 57-144 | | | |
| o-Xylene | 22.6 | 1.0 | " | 33.3 | | 67.9 | 53-146 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 12.2 | | " | 13.3 | | 91.1 | 23-173 | | | |
| Surrogate: Toluene-d8 | 13.2 | | " | 13.3 | | 98.9 | 20-170 | | | |
| Surrogate: 4-Bromofluorobenzene | 13.3 | | " | 13.3 | | 99.8 | 21-167 | | | |

Summit Scientific

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

Project: Noble - Beebe Draw RG 26-9,23

Project Number: [none]
Project Manager: Brandon Bruns

Reported:
05/19/20 09:28

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 2004250 - EPA 5030 Water MS

| Matrix Spike (2004250-MS1) | | Source: 2004257-01 | | | Prepared: 04/21/20 Analyzed: 04/22/20 | | | | | |
|----------------------------------|------|--------------------|------|------|---------------------------------------|------|--------|-------|----|-------|
| Benzene | 68.3 | 1.0 | ug/l | 33.3 | 71.6 | NR | 34-141 | | | QM-07 |
| Toluene | 24.5 | 1.0 | " | 33.3 | ND | 73.6 | 27-151 | | | |
| Ethylbenzene | 24.4 | 1.0 | " | 33.3 | ND | 73.3 | 29-160 | | | |
| m,p-Xylene | 131 | 2.0 | " | 66.7 | 112 | 28.0 | 20-166 | | | |
| o-Xylene | 24.1 | 1.0 | " | 33.3 | ND | 72.2 | 33-159 | | | |
| <hr/> | | | | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 12.7 | | " | 13.3 | | 95.1 | 23-173 | | | |
| Surrogate: Toluene-d8 | 12.9 | | " | 13.3 | | 96.6 | 20-170 | | | |
| Surrogate: 4-Bromofluorobenzene | 16.9 | | " | 13.3 | | 127 | 21-167 | | | |
| <hr/> | | | | | | | | | | |
| Matrix Spike Dup (2004250-MSD1) | | Source: 2004257-01 | | | Prepared: 04/21/20 Analyzed: 04/22/20 | | | | | |
| Benzene | 57.6 | 1.0 | ug/l | 33.3 | 71.6 | NR | 34-141 | 17.0 | 30 | QM-07 |
| Toluene | 23.7 | 1.0 | " | 33.3 | ND | 71.1 | 27-151 | 3.40 | 30 | |
| Ethylbenzene | 24.6 | 1.0 | " | 33.3 | ND | 73.8 | 29-160 | 0.612 | 30 | |
| m,p-Xylene | 114 | 2.0 | " | 66.7 | 112 | 3.08 | 20-166 | 13.6 | 30 | QM-06 |
| o-Xylene | 24.2 | 1.0 | " | 33.3 | ND | 72.5 | 33-159 | 0.332 | 30 | |
| <hr/> | | | | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 13.2 | | " | 13.3 | | 99.0 | 23-173 | | | |
| Surrogate: Toluene-d8 | 12.8 | | " | 13.3 | | 95.7 | 20-170 | | | |
| Surrogate: 4-Bromofluorobenzene | 17.6 | | " | 13.3 | | 132 | 21-167 | | | |

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

Project: Noble - Beebe Draw RG 26-9,23

Project Number: [none]
Project Manager: Brandon Bruns

Reported:
05/19/20 09:28

Notes and Definitions

| | |
|-------|--|
| 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. |
| QM-06 | Due to noted non-homogeneity of the QC sample matrix, the MS/MSD did not provide reliable results for accuracy and precision. Sample results for the QC batch were accepted based on LCS/LCSD percent recoveries and RPD values. |
| 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 |