

**Table G-1. CAM-4 Kugaaruk, Soil Analysis - QA/QC**

|                | Sample Ident. | Sample Location | Depth<br>(m) | Laboratory | Copper<br>(mg/kg) | Nickel<br>(mg/kg) | Cobalt<br>(mg/kg) | Cadmium<br>(mg/kg) | Lead<br>(mg/kg) | Zinc<br>(mg/kg) | Chromium<br>(mg/kg) | Arsenic<br>(mg/kg) | Mercury<br>(mg/kg) | Petroleum Hydrocarbons |                   |                    |                    | PCB Total<br>Aroclors<br>(mg/kg) |
|----------------|---------------|-----------------|--------------|------------|-------------------|-------------------|-------------------|--------------------|-----------------|-----------------|---------------------|--------------------|--------------------|------------------------|-------------------|--------------------|--------------------|----------------------------------|
|                |               |                 |              |            |                   |                   |                   |                    |                 |                 |                     |                    |                    | TPH C6-C34<br>(mg/kg)  | C6-C10<br>(mg/kg) | C10-C16<br>(mg/kg) | C16-C34<br>(mg/kg) |                                  |
| Average<br>RSD | BMW-3-40      | BMW-3           | 0.40         | ALS        | 16.8              | 17.5              | 9.0               | <0.50              | 10.9            | 53.7            | 35.0                | <5.0               | 0.0086             | 0                      | <10               | <30                | <50                | <0.050                           |
|                | BMW-30-40*    | BMW-3           | 0.40         | ALS        | 12.0              | 13.9              | 7.1               | <0.50              | 8.0             | 38.3            | 28.4                | <5.0               | <0.0050            | 0                      | <10               | <30                | <50                | <0.050                           |
|                | BMW-3-40*     | BMW-3           | 0.40         | Cantest    | 12.0              | 16.0              | 8.0               | <0.2               | 8.3             | 46.0            | 30.0                | 2.3                | 0.01               | 0                      | <5                | <5                 | <5                 | <0.030                           |
|                |               |                 |              |            | 13.60<br>20%      | 15.80<br>11%      | 8.03<br>12%       | -<br>-             | 9.07<br>18%     | 46.00<br>17%    | 31.13<br>11%        | -<br>-             | -<br>-             | -                      | -                 | -                  | -                  | -                                |
| Average<br>RSD | MW-14-A-30    | MW-14-A         | 0.30         | ALS        | 12.1              | 14.2              | 6.7               | <0.50              | 8.3             | 35.8            | 28.1                | <5.0               | <0.0050            | 0                      | <10               | <30                | <50                | <0.050                           |
|                | MW-140-A-30*  | MW-14-A         | 0.30         | ALS        | 11.8              | 13.9              | 6.1               | <0.50              | 8.0             | 33.8            | 27.4                | <5.0               | <0.0050            | 0                      | <10               | <30                | <50                | <0.050                           |
|                | MW-14-A-30*   | MW-14-A         | 0.30         | Cantest    | 11.0              | 14.0              | 7.0               | <0.2               | 8.4             | 38.0            | 28.0                | 2.4                | 0.01               | 0                      | <5                | <5                 | <5                 | <0.030                           |
|                |               |                 |              |            | 11.63<br>5%       | 14.03<br>1%       | 6.60<br>7%        | -<br>-             | 8.23<br>3%      | 35.87<br>6%     | 27.83<br>1%         | -<br>-             | -<br>-             | -                      | -                 | -                  | -                  | -                                |
| Average<br>RSD | MW-20-35      | MW-20           | 0.35         | ALS        | 10.0              | 8.7               | 4.7               | <0.50              | 10.8            | 25.6            | 16.7                | <5.0               | <0.0050            | 0                      | <10               | <30                | <50                | <0.050                           |
|                | MW-200-35*    | MW-20           | 0.35         | ALS        | 10.8              | 10.3              | 5.0               | <0.50              | 10.7            | 26.8            | 20.8                | <5.0               | <0.0050            | 0                      | <10               | <30                | <50                | <0.050                           |
|                | MW-20-35*     | MW-20           | 0.35         | Cantest    | 8.0               | 9.0               | 4.0               | <0.2               | 10.4            | 25.0            | 17.0                | 1.2                | 0.01               | 0                      | <5                | <5                 | <5                 | <0.030                           |
|                |               |                 |              |            | 9.60<br>15%       | 9.33<br>9%        | 4.57<br>11%       | -<br>-             | 10.63<br>2%     | 25.80<br>4%     | 18.17<br>13%        | -<br>-             | -<br>-             | -                      | -                 | -                  | -                  | -                                |

Notes: Relative Standard Deviation (RSDs) calculated by dividing the standard deviation of the comparative set by the average.

\* Denotes duplicate sample

xx%

Exceeds QA/QC goal of 20% for inorganics or 30% for organics.

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**Table G-2. CAM-4 Kugaaruk, 2008 Groundwater Analysis - QA/QC**

|                | Sample Ident. | Sample Location | Laboratory | Copper<br>(mg/L) | Nickel<br>(mg/L) | Cobalt<br>(mg/L) | Cadmium<br>(mg/L) | Lead<br>(mg/L) | Zinc<br>(mg/L) | Chromium<br>(mg/L) | Arsenic<br>(mg/L) | Mercury<br>(mg/L) | Petroleum Hydrocarbons |                  |                   |                   | PCB Total<br>Aroclors<br>(mg/L) |
|----------------|---------------|-----------------|------------|------------------|------------------|------------------|-------------------|----------------|----------------|--------------------|-------------------|-------------------|------------------------|------------------|-------------------|-------------------|---------------------------------|
|                |               |                 |            |                  |                  |                  |                   |                |                |                    |                   |                   | TPH C6-C34<br>(mg/L)   | C6-C10<br>(mg/L) | C10-C16<br>(mg/L) | C16-C34<br>(mg/L) |                                 |
| Average<br>RPD | MW-15         | MW-15           | ALS        | <0.0020          | 0.0065           | 0.00216          | <0.00003          | <0.0010        | 0.250          | 0.0024             | 0.002             | <0.00002          | 7.98                   | 0.35             | 5.98              | 1.65              | <0.0010                         |
|                | MW-150*       | MW-15           | ALS        | <0.0020          | 0.0063           | 0.00208          | <0.00003          | <0.0010        | 0.239          | <0.0030            | 0.002             | <0.00002          | 6.88                   | 0.33             | 5.15              | 1.4               | <0.0010                         |
|                | MW-15*        | MW-15           | Cantest    | 0.001            | 0.007            | 0.002            | <0.0002           | <0.001         | 0.32           | <0.001             | <0.001            | <0.02             |                        |                  | 3.8               | 1.6               | <0.0004                         |
|                |               |                 |            | -                | 0.007            | 0.002            | -                 | -              | 0.270          | -                  | -                 | -                 | -                      | -                | 4.97667           | 1.55              | -                               |
|                |               |                 |            | -                | 5.5%             | 3.8%             | -                 | -              | 16.3%          | -                  | -                 | -                 | -                      | -                | 22.1%             | 8.5%              | -                               |
| Average<br>RPD | MW-20         | MW-20           | ALS        | 0.0029           | <0.0010          | <0.00030         | 0.000024          | <0.00050       | <0.0050        | <0.0010            | <0.00050          | <0.00002          | 2.74                   | 0.75             | 1.99              | <0.30             | <0.0010                         |
|                | MW-200*       | MW-20           | ALS        | 0.0035           | <0.0010          | <0.00030         | 0.000028          | <0.00050       | <0.0050        | <0.0010            | <0.00050          | <0.00002          | 3.07                   | 0.74             | 2.33              | <0.30             | <0.0010                         |
|                | MW-20*        | MW-20           | Cantest    | 0.003            | <0.001           | <0.001           | <0.0002           | <0.001         | 0.022          | <0.001             | <0.001            | <0.02             |                        |                  | 1.2               | <0.25             | <0.0004                         |
|                |               |                 |            | 0.003            | -                | -                | -                 | -              | -              | -                  | -                 | -                 | -                      | -                | 1.840             | -                 | -                               |
|                |               |                 |            | 10.3%            | -                | -                | -                 | -              | -              | -                  | -                 | -                 | -                      | -                | 31.5%             | -                 | -                               |

Notes: Relative Standard Deviation (RSDs) calculated by dividing the standard deviation of the comparative set by the average.

\* Denotes duplicate sample

xx% Exceeds QA/QC goal of 20% for inorganics or 30% for organics.

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