

|                                                                                |  |                                          |
|--------------------------------------------------------------------------------|--|------------------------------------------|
| SOP: M <u>9010-c total Amenable</u><br><u>Reactive cyanide</u>                 |  | Batch# <u>PB85665</u>                    |
| TEMP Set1: <u>124°C</u> Set2: <u>125°C</u>                                     |  | Preparation Date: <u>09/21/2015</u>      |
| Balance Check(g): <u>MSC-3</u>                                                 |  | Preparation Time: <u>12:10</u>           |
| Wt1: <u>0.10g</u> Wt2: <u>10.00g</u> Wt3: <u>—</u><br><u>0.10</u> <u>10.00</u> |  | Time In: <u>12:30</u>                    |
| Final Vol: <u>50.0 mL</u>                                                      |  | Time: Out <u>2:00 + 15 min cool down</u> |
|                                                                                |  | Reviewed By: <u>[Signature]</u>          |
|                                                                                |  | Dig Technician Signature: <u>JD</u>      |

| Standard Name     | MLS USED | STD REF. # FROM LOG |
|-------------------|----------|---------------------|
| LCSS              | 0.5ml    | W1538               |
| MS/MSD SPIKE SOL. | 0.4ml    | WP40960             |
|                   |          |                     |
|                   |          |                     |
|                   |          |                     |

| Chemical Used | Lot Number             |
|---------------|------------------------|
| 0.25N NaOH    | WP41877 <u>50.0 mL</u> |
| 50% v/v H2SO4 | WP42803 <u>5.0 mL</u>  |
| 51% w/v MgCL2 | WP42804 <u>2.0 mL</u>  |
|               |                        |
|               |                        |

| LAB SAMPLE ID    | CLIENT SAMPLE ID | Wt(g)/Vol(ml)           | COMMENTS              |
|------------------|------------------|-------------------------|-----------------------|
| ICV PB85665      | ICV              | <u>0.5 mL → W1538</u>   | <u>50 mL DI water</u> |
| Midrange PB85665 | Midrange         | <u>—</u>                | <u>—</u>              |
| HIGHSTD PB85665  | HIGHSTD          | <u>5.0 mL → WP40960</u> | <u>50 mL DI water</u> |
| LOWSTD PB85665   | LOWSTD           | <u>0.1 mL → WP40960</u> | <u>50 mL DI water</u> |

| Date / Time          | Received By        | Relinquished By | Location        |
|----------------------|--------------------|-----------------|-----------------|
| <u>09-21-15 2:30</u> | <u>[Signature]</u> | <u>JD</u>       | <u>W 405 #2</u> |
|                      | Analysis Group     | Digestion Group |                 |
|                      |                    |                 |                 |
|                      |                    |                 |                 |

## COMMENTS

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| Lab Sample ID | Client Sample ID | Matrix | Weight/<br>Volume ml | PH | Sulfide | Oxidizing | Comments |
|---------------|------------------|--------|----------------------|----|---------|-----------|----------|
| G3748-01      | MGP-202-30-32    | SOIL   | 1.12                 | NA | N/A     | N/A       |          |
| G3748-02      | MGP-202-38-40    | SOIL   | 1.15                 | NA | N/A     | N/A       |          |
| G3748-03      | MGP-202-42-44    | SOIL   | 1.96                 | NA | N/A     | N/A       |          |
| G3748-04      | MGP-205-10-12    | SOIL   | 1.46                 | NA | N/A     | N/A       |          |
| G3748-05      | MGP-205-17-19    | SOIL   | 1.70                 | NA | N/A     | N/A       |          |
| G3748-06      | MGP-205-24-25    | SOIL   | 1.70                 | NA | N/A     | N/A       |          |
| G3753-02      | SP-1             | SOIL   | 1.05                 | NA | N/A     | N/A       |          |
| G3753-02DUP   | SP-1DUP          | SOIL   | 1.05                 | NA | N/A     | N/A       |          |
| G3753-02MS    | SP-1MS           | SOIL   | 1.50                 | NA | N/A     | N/A       |          |
| G3753-02MSD   | SP-1MSD          | SOIL   | 1.50                 | NA | N/A     | N/A       |          |
| G3753-04      | SP-2             | SOIL   | 1.53                 | NA | N/A     | N/A       |          |
| PB85665BL     | PBS01            | SOIL   | 1.00                 | NA | N/A     | N/A       |          |
| PB85665BS     | LCS01            | SOIL   | 1.05                 | NA | N/A     | N/A       |          |

| Lab Sample ID | Client Sample ID | Matrix | Weight/<br>Volume mL | PH | Sulfide | Oxidizing | Comments |
|---------------|------------------|--------|----------------------|----|---------|-----------|----------|
| G3748-01      | MGP-202-30-32    | SOIL   | 1.12                 | NA | NA      | NA        |          |
| G3748-02      | MGP-202-38-40    | SOIL   | 1.15                 |    |         |           |          |
| G3748-03      | MGP-202-42-44    | SOIL   | 1.96                 |    |         |           |          |
| G3748-04      | MGP-205-10-12    | SOIL   | 1.46                 |    |         |           |          |
| G3748-05      | MGP-205-17-19    | SOIL   | 1.70                 |    |         |           |          |
| G3748-06      | MGP-205-24-25    | SOIL   | 1.70                 |    |         |           |          |
| G3753-02      | SP-1             | SOIL   | 1.05                 |    |         |           |          |
| G3753-02DUP   | SP-1DUP          | SOIL   | 1.05                 |    |         |           |          |
| G3753-02MS    | SP-1MS           | SOIL   | 1.50                 |    |         |           |          |
| G3753-02MSD   | SP-1MSD          | SOIL   | 1.50                 |    |         |           |          |
| G3753-04      | SP-2             | SOIL   | 1.53                 |    |         |           |          |
| PB85665BL     | PBS01            | SOIL   | 1.00                 | ✓  | ✓       | ✓         |          |
| PB85665BS     | LCS01            | SOIL   | 1.55 1.05            | ✓  | ✓       | ✓         |          |

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09-21-15