

SOP ID : M7471B-Mercury-18

SDG No : NA

Matrix : SOIL

Pipette ID : HG A

Balance ID : M SC-3

Filter paper ID : NA

pH Strip ID : NA

Hood ID : #1

Block ID: 1. HG HOT BLOCK#3 2. N/A

Start Digest Date: 03/31/2025 Time : 09:45 Temp : 94 °C

End Digest Date: 03/31/2025 Time : 10:15 Temp : 95 °C

Digestion tube ID: M5595

Block thermometer ID: HG-DIG#3

Dig Technician Signature:

Supervisor Signature:

Temp : 1. 94°C 2. N/A

| Standardized Name | MLS USED | STD REF. # FROM LOG |
|-------------------|----------|---------------------|
| ICV               | 30mL     | MP850580            |
| CCV               | 30mL     | MP985082            |
| CRA               | 30mL     | MP85084             |
| Blank Spike       | 0.48mL   | MP85072             |
| Matrix Spike      | 0.48mL   | MP85072             |

| Chemical Used           | ML/SAMPLE USED | Lot Number |
|-------------------------|----------------|------------|
| AQUA REGIA              | 2.5mL          | MP85086    |
| KMnO <sub>4</sub> (5%)  | 4.5mL          | MP84564    |
| Hydroxylamine HCL (12%) | 2.0mL          | MP84566    |
| PTFE Boiling Stones     | -----          | M4583      |
| N/A                     | N/A            | N/A        |
| N/A                     | N/A            | N/A        |
| N/A                     | N/A            | N/A        |
| N/A                     | N/A            | N/A        |
| N/A                     | N/A            | N/A        |
| N/A                     | N/A            | N/A        |
| N/A                     | N/A            | N/A        |

| LAB SAMPLE ID | CLIENT SAMPLE ID | Wt(g)/Vol(ml) | Comment |
|---------------|------------------|---------------|---------|
| 0.0 ppb       | S0               | 30mL          | MP85073 |
| 0.05 ppb      | S0.05            | N/A           | N/A     |
| 0.2 ppb       | S0.2             | 30mL          | MP85075 |
| 2.5 ppb       | S2.5             | 30mL          | MP85076 |
| 5.0 ppb       | S5.0             | 30mL          | MP85077 |
| 7.5 ppb       | S7.5             | 30mL          | MP85078 |
| 10.0 ppb      | S10.0            | 30mL          | MP85079 |
| ICV           | ICV              | 30mL          | MP85080 |
| ICB           | ICB              | 30mL          | MP85081 |
| CCV           | CCV              | 30mL          | MP85082 |
| CCB           | CCB              | 30mL          | MP85083 |
| CRI           | CRI              | 30mL          | MP85084 |
| CHK STD       | CHK STD          | 30mL          | MP85085 |

## Extraction Conformance/Non-Conformance Comments:

N/A

| Date / Time   | Prepped Sample Relinquished By/Location | Received By/Location |
|---------------|-----------------------------------------|----------------------|
| 3/31/25 11:05 | MB Dig Lab                              | MB Dig Lab           |
|               | Preparation Group                       | Analysis Group       |

| Lab Sample ID | Client Sample ID     | Initial Weight (g) | Final Vol (ml) | pH | Comment | Prep Pos |
|---------------|----------------------|--------------------|----------------|----|---------|----------|
| Q1168-03      | MDL-SOIL-03-QT1-2025 | 0.50               | 35             | NA | N/A     | 3-1      |
| Q1664-01      | P001-BBDGA-001-01    | 0.52               | 35             | NA | MP85072 |          |
| Q1664-01DUP   | P001-BBDGA-001-01DUP | 0.51               | 35             | NA | N/A     | 2        |
| Q1664-02      | Q1664-01MS           | 0.57               | 35             | NA | MP85072 | 3        |
| Q1664-03      | Q1664-01MSD          | 0.56               | 35             | NA | MP85072 | 4        |
| Q1664-07      | P001-BBDGA-001-02    | 0.52               | 35             | NA | N/A     | 5        |
| Q1664-09      | P001-BBDGA-002-01    | 0.55               | 35             | NA | N/A     | 6        |
| Q1664-11      | P001-BBDGA-003-01    | 0.50               | 35             | NA | N/A     | 7        |
| Q1664-13      | P001-BBDGA-004-01    | 0.55               | 35             | NA | N/A     | 8        |
| Q1664-15      | P001-BBDGA-005-01    | 0.55               | 35             | NA | N/A     | 9        |
| Q1664-17      | P001-BBDGA-006-01    | 0.50               | 35             | NA | N/A     | 10       |
| Q1664-19      | P001-BBDGA-007-01    | 0.52               | 35             | NA | N/A     | 11       |
| Q1664-21      | P001-BBDGA-008-01    | 0.56               | 35             | NA | N/A     | 12       |
| Q1671-01      | WC-1                 | 0.58               | 35             | NA | N/A     | 13       |
| Q1672-01      | TP-8                 | 0.54               | 35             | NA | N/A     | 14       |
| Q1674-01      | RT5358               | 0.58               | 35             | NA | N/A     | 15       |
| Q1674-03      | 72-11991             | 0.50               | 35             | NA | N/A     | 16       |
| Q1678-01      | MOO-25-0082          | 0.60               | 35             | NA | N/A     | 17       |
| Q1678-02      | MOO-25-0082-87-88    | 0.54               | 35             | NA | N/A     | 18       |
|               |                      |                    |                |    |         | 19       |