

SOP ID : M7471B-Mercury-19

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: 09/25/2025 Time : 10:15 Temp : 95 °C

End Digest Date: 09/25/2025 Time : 10:45 Temp : 95 °C

Digestion tube ID: M5595

Block thermometer ID: HG-DIG#3

Dig Technician Signature: *MB*

Supervisor Signature: *12*

Temp : 1. 95°C 2. N/A

| Standardized Name | MLS USED | STD REF. # FROM LOG |
|-------------------|----------|---------------------|
| ICV               | 30mL     | MP87346             |
| CCV               | 30mL     | MP87348             |
| CRA               | 30mL     | MP87350             |
| Blank Spike       | 0.48mL   | MP87339             |
| Matrix Spike      | 0.48mL   | MP87339             |

| Chemical Used           | ML/SAMPLE USED | Lot Number |
|-------------------------|----------------|------------|
| AQUA REGIA              | 1.5MI          | MP87353    |
| KMnO4 (5%)              | 4.5mL          | MP87072    |
| Hydroxylamine HCL (12%) | 2.0MI          | MP87149    |
| PTFE Boiling Stones     | -----          | M5582      |
| 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          | MP87341 |
| 0.05 ppb      | S0.05            | N/A           | N/A     |
| 0.2 ppb       | S0.2             | 30mL          | MP87340 |
| 2.5 ppb       | S2.5             | 30mL          | MP87342 |
| 5.0 ppb       | S5.0             | 30mL          | MP87343 |
| 7.5 ppb       | S7.5             | 30mL          | MP87344 |
| 10.0 ppb      | S10.0            | 30mL          | MP87345 |
| ICV           | ICV              | 30mL          | MP87346 |
| ICB           | ICB              | 30mL          | MP87347 |
| CCV           | CCV              | 30mL          | MP87348 |
| CCB           | CCB              | 30mL          | MP87349 |
| CRI           | CRI              | 30mL          | MP87350 |
| CHK STD       | CHK STD          | 30mL          | MP87351 |

## Extraction Conformance/Non-Conformance Comments:

| N/A             |                                         |                       |
|-----------------|-----------------------------------------|-----------------------|
| Date / Time     | Prepped Sample Relinquished By/Location | Received By/Location  |
| 9/25/25 4:14 PM | <i>MB - Dig Lab</i>                     | <i>MB - Metal Lab</i> |
|                 | Preparation Group                       | Analysis Group        |

| Lab Sample ID | Client Sample ID | Initial Weight (g) | Final Vol (ml) | pH  | Comment | Prep Pos |
|---------------|------------------|--------------------|----------------|-----|---------|----------|
| PB169842BL    | PBS842           | 0.50               | 35             | N/A | N/A     | 3-1      |
| PB169842BS    | LCS842           | 0.50               | 35             | N/A | MP87339 | 2        |
| Q3167-01      | RT4784           | 0.53               | 35             | N/A | N/A     | 3        |
| Q3176-01      | EME-TS12-01      | 0.53               | 35             | N/A | N/A     | 4        |
| Q3176-02      | EME-TS13-01      | 0.60               | 35             | N/A | N/A     | 5        |
| Q3176-03      | EME-TS14-02      | 0.53               | 35             | N/A | N/A     | 6        |
| Q3178-01      | EME-TS14-01      | 0.50               | 35             | N/A | N/A     | 7        |
| Q3178-01DUP   | EME-TS14-01DUP   | 0.52               | 35             | N/A | N/A     | 8        |
| Q3178-02      | EME-TS14-01MS    | 0.59               | 35             | N/A | MP87339 | 9        |
| Q3178-03      | EME-TS14-01MSD   | 0.54               | 35             | N/A | MP87339 | 10       |
| Q3183-01      | WC-1             | 0.56               | 35             | N/A | N/A     | 11       |
| Q3183-04      | WC-4             | 0.54               | 35             | N/A | N/A     | 12       |
| Q3183-07      | WC-3             | 0.57               | 35             | N/A | N/A     | 13       |
| Q3187-01      | 228              | 0.53               | 35             | N/A | N/A     | 14       |
| Q3188-02      | RB22120          | 0.51               | 35             | N/A | N/A     | 15       |
| Q3189-01      | 72-11989         | 0.54               | 35             | N/A | N/A     | 16       |