

SOP ID : M7471B-Mercury-19

SDG No : N/A

Matrix : SOIL

Pipette ID: HG A

Balance ID : M SC-3

Filter paper ID : N/A

pH Strip ID : N/A

Hood ID : #1

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

Start Digest Date: 09/29/2025 Time : 16:00 Temp : 95 °C

End Digest Date: 09/29/2025 Time : 16:30 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

| Standard Name | MLS USED | STD REF. # FROM LOG |
|---------------|----------|---------------------|
| ICV           | 30mL     | MP87378             |
| CCV           | 30mL     | MP87380             |
| CRA           | 30mL     | MP87382             |
| Blank Spike   | 0.48mL   | MP87371             |
| Matrix Spike  | 0.48mL   | MP87371             |

| Chemical Used           | ML/SAMPLE USED | Lot Number |
|-------------------------|----------------|------------|
| AQUA REGIA              | 1.5ML          | MP87384    |
| KMnO4 (5%)              | 4.5mL          | MP87072    |
| Hydroxylamine HCL (12%) | 2.0ML          | 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          | MP87372 |
| 0.05 ppb      | S0.05            | N/A           | N/A     |
| 0.2 ppb       | S0.2             | 30mL          | MP87373 |
| 2.5 ppb       | S2.5             | 30mL          | MP87374 |
| 5.0 ppb       | S5.0             | 30mL          | MP87375 |
| 7.5 ppb       | S7.5             | 30mL          | MP87376 |
| 10.0 ppb      | S10.0            | 30mL          | MP87377 |
| ICV           | ICV              | 30mL          | MP87378 |
| ICB           | ICB              | 30mL          | MP87379 |
| CCV           | CCV              | 30mL          | MP87380 |
| CCB           | CCB              | 30mL          | MP87381 |
| CRI           | CRI              | 30mL          | MP87382 |
| CHK STD       | CHK STD          | 30mL          | MP87383 |

## Extraction Conformance/Non-Conformance Comments:

| N/A             |                                         |                      |
|-----------------|-----------------------------------------|----------------------|
| Date / Time     | Prepped Sample Relinquished By/Location | Received By/Location |
| 9/29/25 @ 17:00 | MB - 3119. Lab                          | MB Metal Lab         |
|                 | Preparation Group                       | Analysis Group       |

| Lab Sample ID | Client Sample ID   | Initial Weight (g) | Final Vol (ml) | pH | Comment | Prep Pos |
|---------------|--------------------|--------------------|----------------|----|---------|----------|
| PB169897BL    | PBS897             | 0.52               | 35             | NA | N/A     | 3-1      |
| PB169897BS    | LCS897             | 0.57               | 35             | NA | MP87371 | 2        |
| Q3215-01      | WASTE              | 0.54               | 35             | NA | N/A     | 3        |
| Q3220-01      | OR-03-092625       | 0.56               | 35             | NA | N/A     | 4        |
| Q3221-01      | HD-01-092625       | 0.59               | 35             | NA | N/A     | 5        |
| Q3222-01      | SU-03-092625       | 0.53               | 35             | NA | N/A     | 6        |
| Q3230-01      | WALL-PROBE-BRICK-1 | 0.50               | 35             | NA | N/A     | 7        |
| Q3231-01      | WC-1               | 0.56               | 35             | NA | N/A     | 8        |
| Q3231-01DUP   | WC-1DUP            | 0.56               | 35             | NA | N/A     | 9        |
| Q3231-01MS    | WC-1MS             | 0.58               | 35             | NA | MP87371 | 10       |
| Q3231-01MSD   | WC-1MSD            | 0.57               | 35             | NA | MP87371 | 11       |
| Q3231-05      | WC-2               | 0.56               | 35             | NA | N/A     | 12       |
| Q3231-09      | WC-3               | 0.56               | 35             | NA | N/A     | 13       |
| Q3231-13      | WC-4               | 0.52               | 35             | NA | N/A     | 14       |
| Q3232-01      | CONC-1             | 0.59               | 35             | NA | N/A     | 15       |
| Q3233-01      | 0926-01            | 0.53               | 35             | NA | N/A     | 16       |
| Q3238-01      | RCA                | 0.51               | 35             | NA | N/A     | 17       |
| Q3240-01      | OK-02-092925       | 0.58               | 35             | NA | N/A     | 18       |
| Q3245-01      | 13-1               | 0.54               | 35             | NA | N/A     | 19       |
| Q3245-09      | 12-8               | 0.55               | 35             | NA | N/A     | 20       |
| Q3245-17      | 12-1               | 0.54               | 35             | NA | N/A     | 21       |