

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: 01/27/2025 Time : 13:05 Temp : 94 °C

End Digest Date: 01/27/2025 Time : 13:35 Temp : 94 °C

Digestion tube ID: M5595

Block thermometer ID: HG-DIG#3

Dig Technician Signature: *[Signature]*

Supervisor Signature: *[Signature]*

Temp : 1. 94°C 2. N/A

| Standardized Name | MLS USED | STD REF. # FROM LOG |
|-------------------|----------|---------------------|
| ICV               | 30mL     | MP84195             |
| CCV               | 30mL     | MP84197             |
| CRA               | 30mL     | MP84199             |
| Blank Spike       | 0.48mL   | MP84187             |
| Matrix Spike      | 0.48mL   | MP84187             |

| Chemical Used           | ML/SAMPLE USED | Lot Number |
|-------------------------|----------------|------------|
| AQUA REGIA              | 1.5mL          | MP84201    |
| KMnO4 (5%)              | 4.5mL          | MP83692    |
| Hydroxylamine HCL (12%) | 2.0mL          | MP83694    |
| 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        |

| LAB SAMPLE ID | CLIENT SAMPLE ID | Wt(g)/Vol(ml) | Comment |
|---------------|------------------|---------------|---------|
| 0.0 ppb       | S0               | 30mL          | MP84188 |
| 0.05 ppb      | S0.05            | N/A           | N/A     |
| 0.2 ppb       | S0.2             | 30mL          | MP84190 |
| 2.5 ppb       | S2.5             | 30mL          | MP84191 |
| 5.0 ppb       | S5.0             | 30mL          | MP84192 |
| 7.5 ppb       | S7.5             | 30mL          | MP84193 |
| 10.0 ppb      | S10.0            | 30mL          | MP84194 |
| ICV           | ICV              | 30mL          | MP84195 |
| ICB           | ICB              | 30mL          | MP84196 |
| CCV           | CCV              | 30mL          | MP84197 |
| CCB           | CCB              | 30mL          | MP84198 |
| CRI           | CRI              | 30mL          | MP84199 |
| CHK STD       | CHK STD          | 30mL          | MP84200 |

## Extraction Conformance/Non-Conformance Comments:

| N/A             |                                         |                                |
|-----------------|-----------------------------------------|--------------------------------|
| Date / Time     | Prepped Sample Relinquished By/Location | Received By/Location           |
| 1/27/25 @ 13:35 | <i>[Signature]</i> - DTG, LVA           | <i>[Signature]</i> - Metal Lab |
| 13:50           | Preparation Group                       | Analysis Group                 |

*[Signature]* 1/28/25

| Lab Sample ID | Client Sample ID          | Initial Weight (g) | Final Vol (ml) | pH | Comment | Prep Pos |
|---------------|---------------------------|--------------------|----------------|----|---------|----------|
| PB166289BL    | PBS289                    | 0.58               | 35             | NA | N/A     | 3-1      |
| PB166289BS    | LCS289                    | 0.50               | 35             | NA | MP84187 | 2        |
| Q1169-01      | ARS20-0006                | 0.58               | 35             | NA | N/A     | 3        |
| Q1169-03      | REGULATOR-BUILDING-GRAVEL | 0.50               | 35             | NA | N/A     | 4        |
| Q1169-05      | SPIILL-SITE               | 0.54               | 35             | NA | N/A     | 5        |
| Q1169-05DUP   | SPIILL-SITEDUP            | 0.52               | 35             | NA | N/A     | 6        |
| Q1169-05MS    | SPIILL-SITEMS             | 0.56               | 35             | NA | MP84187 | 7        |
| Q1169-05MSD   | SPIILL-SITEMSD            | 0.53               | 35             | NA | MP84187 | 8        |
| Q1170-01      | OR-03-01232025            | 0.58               | 35             | NA | N/A     | 9        |
| Q1183-01      | VNJ-237                   | 0.50               | 35             | NA | N/A     | 10       |
| Q1187-01      | SP-COMP                   | 0.54               | 35             | NA | N/A     | 11       |
| Q1194-01      | B-110-SB01                | 0.53               | 35             | NA | N/A     | 12       |
| Q1194-02      | B-110-SB02                | 0.56               | 35             | NA | N/A     | 13       |
| Q1194-03      | B-113-SB01                | 0.59               | 35             | NA | N/A     | 14       |
| Q1194-04      | B-113-SB02                | 0.56               | 35             | NA | N/A     | 15       |