

SOP ID : M7470A-Mercury-20

SDG No : NA

Matrix : WATER

Pipette ID: HG A

Balance ID : N/A

Filter paper ID : NA

pH Strip ID : M6069

Hood ID : #1

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

Start Digest Date: 10/06/2025 Time : 14:20 Temp : 95 °C

End Digest Date: 10/06/2025 Time : 16:20 Temp : 95 °C

Digestion tube ID: M5595

Block thermometer ID: HG-DIG#3

Dig Technician Signature: *[Signature]*

Supervisor Signature: *[Signature]*

Temp : 1. 95°C 2. N/A

| Standardized Name | MLS USED | STD REF. # FROM LOG |
|-------------------|----------|---------------------|
| ICV               | 30mL     | MP87449             |
| CCV               | 30mL     | MP87451             |
| CRA               | 30mL     | MP87453             |
| Blank Spike       | 0.48mL   | MP87441             |
| Matrix Spike      | 0.48mL   | MP87441             |

| Chemical Used           | ML/SAMPLE USED | Lot Number |
|-------------------------|----------------|------------|
| HNO3/H2SO4(1:2)         | 2.25mL         | MP87071    |
| KMnO4 (5%)              | 4.5mL          | MP87072    |
| K2S2O8 (5%)             | 2.4mL          | MP87073    |
| Hydroxylamine HCL (12%) | 1.8mL          | MP87149    |
| 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          | MP87442 |
| 0.05 ppb      | S0.05            | N/A           | N/A     |
| 0.2 ppb       | S0.2             | 30mL          | MP87443 |
| 2.5 ppb       | S2.5             | 30mL          | MP87444 |
| 5.0 ppb       | S5.0             | 30mL          | MP87445 |
| 7.5 ppb       | S7.5             | 30mL          | MP87447 |
| 10.0 ppb      | S10.0            | 30mL          | MP87448 |
| ICV           | ICV              | 30mL          | MP87449 |
| ICB           | ICB              | 30mL          | MP87450 |
| CCV           | CCV              | 30mL          | MP87451 |
| CCB           | CCB              | 30mL          | MP87452 |
| CRI           | CRI              | 30mL          | MP87453 |
| CHK STD       | CHK STD          | 30mL          | MP87454 |

## Extraction Conformance/Non-Conformance Comments:

| N/A           |                                         |                      |
|---------------|-----------------------------------------|----------------------|
| Date / Time   | Prepped Sample Relinquished By/Location | Received By/Location |
| 10/6/25 17:10 | <i>[Signature]</i>                      | <i>[Signature]</i>   |
|               | Preparation Group                       | Analysis Group       |

| Lab Sample ID | Client Sample ID | Initial Vol (ml) | Final Vol (ml) | pH | Comment | Prep Pos |
|---------------|------------------|------------------|----------------|----|---------|----------|
| PB170005BL    | PBW005           | 30               | 30             | <2 | N/A     | 3-17     |
| PB170005BS    | LCS005           | 30               | 30             | <2 | MP87441 | 18       |
| Q3291-05DUP   | MC0AX0DUP        | 30               | 30             | <2 | N/A     | 20       |
| Q3291-05MS    | MC0AX0MS         | 30               | 30             | <2 | MP87441 | 21       |
| Q3291-05MSD   | MC0AX0MSD        | 30               | 30             | <2 | MP87441 | 22       |
| Q3291-05      | MC0AX0           | 30               | 30             | <2 | N/A     | 19       |
| Q3291-06      | MC0AX1           | 30               | 30             | <2 | N/A     | 23       |
| Q3291-07      | MC0AX2           | 30               | 30             | <2 | N/A     | 24       |
| Q3291-08      | MC0AX3           | 30               | 30             | <2 | N/A     | 25       |