

**SOP ID :** M7470A-Mercury-19, MSFAM01.1-Mercury in Water-2  
**SDG No :** MH2D27 **Start Digest Date:** 01/03/2025 **Time :** 07:20 **Temp :** 93 °C  
**Matrix :** WATER **End Digest Date:** 01/03/2025 **Time :** 09:20 **Temp :** 94 °C  
**Pipette ID:** HG A **Digestion tube ID:** M6054  
**Balance ID :** N/A **Block thermometer ID:** HG-DIG#1  
**Filter paper ID :** NA **Dig Technician Signature:**   
**pH Strip ID :** M6069 **Supervisor Signature:**   
**Hood ID :** #1 **Temp :** 1. 93°C 2. N/A  
**Block ID:** 1. HG HOT BLOCK#1 2. N/A

| Standardized Name | MLS USED | STD REF. # FROM LOG |
|-------------------|----------|---------------------|
| ICV               | 100mL    | MP83861             |
| CCV               | 100mL    | MP83863             |
| Matrix Spike      | 0.40mL   | MP83854             |
| N/A               | N/A      | N/A                 |
| N/A               | N/A      | N/A                 |

| Chemical Used           | ML/SAMPLE USED | Lot Number |
|-------------------------|----------------|------------|
| HNO3/H2SO4(1:2)         | 7.5mL          | MP83691    |
| KMnO4 (5%)              | 15.0mL         | MP83692    |
| K2S2O8 (5%)             | 8.0mL          | MP83693    |
| Hydroxylamine HCL (12%) | 6.0mL          | MP83694    |
| 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               | 100mL         | MP83855 |
| 0.05 ppb      | S0.05            | N/A           | N/A     |
| 0.2 ppb       | S0.2             | 100mL         | MP83856 |
| 2.5 ppb       | S2.5             | 100mL         | MP83857 |
| 5.0 ppb       | S5.0             | 100mL         | MP83858 |
| 7.5 ppb       | S7.5             | 100mL         | MP83859 |
| 10.0 ppb      | S10.0            | 100mL         | MP83860 |
| ICV           | ICV              | 100mL         | MP83861 |
| ICB           | ICB              | 100mL         | MP83862 |
| CCV           | CCV              | 100mL         | MP83863 |
| CCB           | CCB              | 100mL         | MP83864 |
| CRI           | CRI              | N/A           | N/A     |
| CHK STD       | CHK STD          | N/A           | N/A     |

## Extraction Conformance/Non-Conformance Comments:

| N/A           |                                         |                      |
|---------------|-----------------------------------------|----------------------|
| Date / Time   | Prepped Sample Relinquished By/Location | Received By/Location |
| 1/3/25 @ 9:10 | MB - Dig. Lab                           | MB - metal Lab       |
|               | Preparation Group                       | Analysis Group       |

| Lab Sample ID | Client Sample ID | Initial Vol (ml) | Final Vol (ml) | pH | Comment | Prep Pos |
|---------------|------------------|------------------|----------------|----|---------|----------|
| P5392-01      | MH2D27           | 100              | 100            | <2 | N/A     | 1-1      |
| P5392-02      | MH2D30           | 100              | 100            | <2 | N/A     | 2        |
| P5392-03      | MH2D33           | 100              | 100            | <2 | N/A     | 3        |
| P5392-04      | MH2D36           | 100              | 100            | <2 | N/A     | 4        |
| P5392-05      | MH2D39           | 100              | 100            | <2 | N/A     | 5        |
| P5392-06      | MH2D42           | 100              | 100            | <2 | N/A     | 6        |
| P5392-07      | MH2D45           | 100              | 100            | <2 | N/A     | 7        |
| P5392-08      | MH2D48           | 100              | 100            | <2 | N/A     | 8        |
| P5392-09      | MH2D51           | 100              | 100            | <2 | N/A     | 9        |
| P5392-10      | MH2D54           | 100              | 100            | <2 | N/A     | 10       |
| P5392-11      | MH2D57           | 100              | 100            | <2 | N/A     | 11       |
| P5392-12      | MH2D60           | 100              | 100            | <2 | N/A     | 12       |
| P5392-13      | MH2D63           | 100              | 100            | <2 | N/A     | 13       |
| P5392-14      | MH2D66           | 100              | 100            | <2 | N/A     | 14       |
| P5392-15      | MH2D69           | 100              | 100            | <2 | N/A     | 15       |
| P5392-16      | MH2D72           | 100              | 100            | <2 | N/A     | 16       |
| P5392-17      | MH2D75           | 100              | 100            | <2 | N/A     | 17       |
| P5392-18      | MH2D75D          | 100              | 100            | <2 | N/A     | 18       |
| P5392-19      | MH2D75S          | 100              | 100            | <2 | MP83854 | 19       |
| PB165948BL    | PBW948           | 100              | 100            | <2 | N/A     | 20       |
| PB165948TB    | LEB948           | 100              | 100            | <2 | N/A     | 21       |