

SOP ID : M7471B-Mercury-18, MSFAM01.1-Mercury in Soil-2

SDG No : ~~N/A~~ MBHCY5

Start Digest Date: 10/30/2024 Time : 11:30 Temp : 95 °C

Matrix : SOIL

End Digest Date: 10/30/2024 Time : 12:00 Temp : 94 °C

Pipette ID: HG A

Digestion tube ID: M6054

Balance ID : M SC-3

Block thermometer ID: HG-DIG#2

Filter paper ID : NA

Dig Technician Signature:

pH Strip ID : NA

Supervisor Signature:

Hood ID : #1

Temp : 1. 95°C 2. N/A

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

| Standard Name | MLS USED | STD REF. # FROM LOG |
|---------------|----------|---------------------|
| ICV | 100mL | MP82968 |
| CCV | 100mL | MP82970 |
| Matrix Spike | 1.0mL | MP82961 |
| N/A | N/A | N/A |
| N/A | N/A | N/A |

| Chemical Used | ML/SAMPLE USED | Lot Number |
|-------------------------|----------------|------------|
| AQUA REGIA | 5.0mL | MP82974 |
| KMnO4 (5%) | 15.0mL | MP82652 |
| Hydroxylamine HCL (12%) | 6.0mL | MP82654 |
| 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 |
| N/A | N/A | N/A |

| LAB SAMPLE ID | CLIENT SAMPLE ID | Wt(g)/Vol(ml) | Comment |
|---------------|------------------|---------------|---------|
| 0.0 ppb | S0 | 100mL | MP82962 |
| 0.05 ppb | S0.05 | N/A | N/A |
| 0.2 ppb | S0.2 | 100mL | MP82963 |
| 2.5 ppb | S2.5 | 100mL | MP82964 |
| 5.0 ppb | S5.0 | 100mL | MP82965 |
| 7.5 ppb | S7.5 | 100mL | MP82966 |
| 10.0 ppb | S10.0 | 100mL | MP82967 |
| ICV | ICV | 100mL | MP82968 |
| ICB | ICB | 100mL | MP82969 |
| CCV | CCV | 100mL | MP82970 |
| CCB | CCB | 100mL | MP82971 |
| 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 |
| 10/30/2024 12:40 | MB - Dig, Lab | MB - metal lab |
| | Preparation Group | Analysis Group |

| Lab Sample ID | Client Sample ID | Initial Weight (g) | Final Vol (ml) | pH | Comment | Prep Pos |
|---------------|------------------|--------------------|----------------|----|---------|----------|
| P4497-01 | MBHCY5 | 0.52 | 100 | NA | N/A | 2-1 |
| P4497-02 | MBHCZ5 | 0.53 | 100 | NA | N/A | 2 |
| P4497-03 | MBHDA3 | 0.52 | 100 | NA | N/A | 3 |
| P4497-04 | MBHDA4 | 0.51 | 100 | NA | N/A | 4 |
| P4497-05 | MBHDA5 | 0.50 | 100 | NA | N/A | 5 |
| P4497-06 | MBHDA6 | 0.55 | 100 | NA | N/A | 6 |
| P4497-07 | MBHDA7 | 0.57 | 100 | NA | N/A | 7 |
| P4497-08 | MBHDB3 | 0.58 | 100 | NA | N/A | 8 |
| P4497-09 | MBHDB4 | 0.55 | 100 | NA | N/A | 9 |
| P4497-10 | MBHDB5 | 0.58 | 100 | NA | N/A | 10 |
| P4497-11 | MBHDB6 | 0.58 | 100 | NA | N/A | 11 |
| P4497-12 | MBHDB7 | 0.57 | 100 | NA | N/A | 12 |
| P4497-13 | MBHDB8 | 0.50 | 100 | NA | N/A | 13 |
| P4497-14 | MBHDB9 | 0.58 | 100 | NA | N/A | 14 |
| P4497-15 | MBHDC0 | 0.55 | 100 | NA | N/A | 15 |
| P4497-16 | MBHDC1 | 0.60 | 100 | NA | N/A | 16 |
| P4497-17 | MBHDC2 | 0.59 | 100 | NA | N/A | 17 |
| P4497-18 | MBHDC8 | 0.50 | 100 | NA | N/A | 18 |
| P4497-19 | MBHDC9 | 0.55 | 100 | NA | N/A | 19 |
| P4497-20 | MBHDD0 | 0.55 | 100 | NA | N/A | 20 |
| P4497-21 | MBHDD0D | 0.53 | 100 | NA | N/A | 21 |
| P4497-22 | MBHDD0S | 0.59 | 100 | NA | MP82961 | 22 |
| PB164550BL | PBS550 | 0.50 | 100 | NA | N/A | 23 |