# Microwave Assisted Total Metals Digestion

| | | | | | |
|---|---|---|---|---|---|
| **Batch ID:** | TD- | Digestion Start Date & Time: | | 30 % Hydrogen Peroxide | LIMS S/N: |
| Analysis and Block ID: | S-ICP-TO | Digestion End Date & Time: | | Nitric Acid | LIMS S/N: |
| | S-ICPMS-TO | Final Volume: | | Hydrofluoric Acid | LIMS S/N: |
| | | Digestion Block Temperature 1: °C | Acceptable Range: 92-97 °C | Boric Acid | LIMS S/N: |
| Spike Witness: | | Digestion Block Temperature 2: °C | Acceptable Range: 92-97 °C | Hydrochloric Acid | LIMS S/N: |
| Prep Analyst: | | Digestion Block Temperature 3: °C | Acceptable Range: 92-97 °C | SOP: | |

| | | | | |
|---|---|---|---|---|
| Microwave Session 1 Temperature (°C): Carousel 1: | Carousel 2: | Carousel 3: | | Microwave S/N: |
| Microwave Session 2 Temperature (°C): Carousel 1: | Carousel 2: | Carousel 3: | | Balance S/N: |
| Microwave Session 3 Temperature (°C): Carousel 1: | Carousel 2: | Carousel 3: | | |

| 60 °C Percent Solid | 105 °C Percent Solid | Minimum weight needed for 0.250 g dry weight | **Sample ID** | | 60 °C Sample Weight | Total Weight Vessel, Sample, & Acid Before **First Microwave Session** | Total Weight After **First Microwave Session** | Percent Sample Loss During Session 1 | Total Weight Vessel, Sample, & Acid Before **Second Microwave Session** | Total Weight After **Second Microwave Session** | Percent Sample Loss During Session 2 | Sample Dry Weight | **Preparation Comments / Standard Documentation** | CAROUSEL | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NA | NA | NA | **D-BLK** | | NA | | | #DIV/0! | | | #DIV/0! | NA | | A | 2 |
| | | #DIV/0! | **Enter SRM Name** | | | | | #DIV/0! | | | #DIV/0! | 0.000 | | A | 3 |
| | | #DIV/0! | | | | | | #DIV/0! | | | #DIV/0! | #DIV/0! | | A | 4 |
| | | #DIV/0! | **0** | **S1** | | | | #DIV/0! | | | #DIV/0! | #DIV/0! | | A | 5 |
| | | #DIV/0! | **0** | **S2** | | | | #DIV/0! | | | #DIV/0! | #DIV/0! | | A | 6 |
| | | #DIV/0! | **0** | **MIN** | | | | #DIV/0! | | | #DIV/0! | #DIV/0! | | A | 7 |
| | | #DIV/0! | | | | | | #DIV/0! | | | #DIV/0! | #DIV/0! | | A | 8 |
| | | #DIV/0! | | | | | | #DIV/0! | | | #DIV/0! | #DIV/0! | | A | 9 |
| | | #DIV/0! | | | | | | #DIV/0! | | | #DIV/0! | #DIV/0! | | A | 10 |
| | | #DIV/0! | | | | | | #DIV/0! | | | #DIV/0! | #DIV/0! | | B | 2 |
| | | #DIV/0! | | | | | | #DIV/0! | | | #DIV/0! | #DIV/0! | | B | 3 |
| | | #DIV/0! | | | | | | #DIV/0! | | | #DIV/0! | #DIV/0! | | B | 4 |
| | | #DIV/0! | | | | | | #DIV/0! | | | #DIV/0! | #DIV/0! | | B | 5 |
| | | #DIV/0! | | | | | | #DIV/0! | | | #DIV/0! | #DIV/0! | | B | 6 |
| | | #DIV/0! | | | | | | #DIV/0! | | | #DIV/0! | #DIV/0! | | B | 7 |
| | | #DIV/0! | | | | | | #DIV/0! | | | #DIV/0! | #DIV/0! | | B | 8 |
| | | #DIV/0! | | | | | | #DIV/0! | | | #DIV/0! | #DIV/0! | | B | 9 |
| | | #DIV/0! | | | | | | #DIV/0! | | | #DIV/0! | #DIV/0! | | B | 10 |
| | | #DIV/0! | | | | | | #DIV/0! | | | #DIV/0! | #DIV/0! | | C | 2 |
| | | #DIV/0! | | | | | | #DIV/0! | | | #DIV/0! | #DIV/0! | | C | 3 |
| | | #DIV/0! | | | | | | #DIV/0! | | | #DIV/0! | #DIV/0! | | C | 4 |
| | | #DIV/0! | | | | | | #DIV/0! | | | #DIV/0! | #DIV/0! | | C | 5 |
| | | #DIV/0! | | | | | | #DIV/0! | | | #DIV/0! | #DIV/0! | | C | 6 |
| | | #DIV/0! | | | | | | #DIV/0! | | | #DIV/0! | #DIV/0! | | C | 7 |
| | | #DIV/0! | | | | | | #DIV/0! | | | #DIV/0! | #DIV/0! | | C | 8 |