

SOP ID : MSFAM01.1-Cyanide-2

SDG No : ME2975

Matrix : WATER

Pipette ID : WC

Balance ID : N/A

Hood ID : HOOD#1

Block ID : MC-1, MC-2

Weigh By : N/A

Start Digest Date: 02/05/2025 Time : 09:30 Temp : 123 °C

End Digest Date: 02/05/2025 Time : 11:00 Temp : 127 °C

II batch 02/05/2025 11:30 124 °C

02/05/2025 13:00 126 °C

III batch 02/05/2025 13:30 123 °C

02/05/2025 15:00 127 °C

Digestion tube ID : M5595

Block Thermometer ID : WC CYANIDE

Filter paper ID : N/A

Prep Technician Signature: JB

pH Meter ID : N/A

Supervisor Signature: 12

| Standard Name         | MLS USED | STD REF. # FROM LOG |
|-----------------------|----------|---------------------|
| PBW                   | 50.0ML   | W3112               |
| MATRIX SPIKE SOLUTION | 1.0ML    | WP111295            |
| N/A                   | N/A      | N/A                 |
| N/A                   | N/A      | N/A                 |
| N/A                   | N/A      | N/A                 |

| Chemical Used         | ML/SAMPLE USED | Lot Number |
|-----------------------|----------------|------------|
| 0.25N NaOH            | 50.0ML         | WP111294   |
| 50% v/v H2SO4         | 5.0ML          | WP110391   |
| 51% w/v MgCL2         | 2.0ML          | WP110390   |
| pH Paper 0-14         | N/A            | W3121      |
| Nitrate/Nitrite Strip | N/A            | W3101      |
| Lead Acetate strip    | N/A            | W3134      |
| KI-starch paper       | N/A            | W3155      |
| 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           |
|---------------|------------------|---------------|-------------------|
| S0            | S0               | 50.0ML        | WP111791 II batch |
| S5.0          | S5.0             | 50.0ML        | WP111790 "        |
| S10.0         | S10.0            | 50.0ML        | WP111789 "        |
| S100.0        | S100.0           | 50.0ML        | WP111788 "        |
| S250.0        | S250.0           | 50.0ML        | WP111787 "        |
| S500.0        | S500.0           | 50.0ML        | WP111786 "        |
| ICV           | ICV              | 50.0ML        | WP111792 "        |
| ICB           | ICB              | 50.0ML        | WP111294 "        |
| CCV           | CCV              | 50.0ML        | WP111793 "        |
| CCB           | CCB              | 50.0ML        | WP111294 "        |
| Midrange      | Midrange         | N/A           | N/A               |
| HIGHSTD       | HIGHSTD          | N/A           | N/A               |
| LOWSTD        | LOWSTD           | N/A           | N/A               |

Extraction Conformance/Non-Conformance Comments:

MIDI-DISTILLATION\_AQUEOUS; I-ST BATCH MC-2 START TEMP:123 C; MC-2 END TEMP: 126 C; II-ND BATCH MC-2 START TEMP:124 C; MC-2 END TEMP: 127 C, III-RD BATCH MC-2 START TEMP:123 C; MC-2 END TEMP: 127 C, Bloc. Therm. 1A - WC CYANIDE-2 JB

| Date / Time       | Prepped Sample Relinquished By/Location | Received By/Location |
|-------------------|-----------------------------------------|----------------------|
| 02-05-2025, 15:15 | JB / WC                                 | NF (WC)              |
|                   | Preparation Group                       | Analysis Group       |

| Lab Sample ID | Client Sample ID | Initial Vol (ml) | Final Vol (ml) | pH  | Sulfide  | Oxidizing | Nitrate/ Nitrite | Comment             | Prep Pos |
|---------------|------------------|------------------|----------------|-----|----------|-----------|------------------|---------------------|----------|
| PB166575BL    | PBW575           | 50               | 50             | >10 | Negative | Negative  | Negative         | N/A <u>II</u> batch | N/A      |
| Q1204-01      | ME2975           | 50               | 50             | >10 | Negative | Negative  | Negative         | N/A <u>II</u>       | N/A      |
| Q1204-02      | ME2975D          | 50               | 50             | >10 | Negative | Negative  | Negative         | N/A <u>II</u>       | N/A      |
| Q1204-03      | ME2975S          | 50               | 50             | >10 | Negative | Negative  | Negative         | N/A <u>II</u>       | N/A      |
| Q1204-04      | ME2978           | 50               | 50             | >10 | Negative | Negative  | Negative         | N/A <u>II</u>       | N/A      |
| Q1204-05      | ME2979           | 50               | 50             | >10 | Negative | Negative  | Negative         | N/A <u>II</u> batch | N/A      |
| Q1204-07      | ME2991           | 50               | 50             | >10 | Negative | Negative  | Negative         | N/A <u>II</u>       | N/A      |
| Q1204-09      | ME29A4           | 50               | 50             | >10 | Negative | Negative  | Negative         | N/A <u>II</u>       | N/A      |
| Q1204-10      | ME29A5           | 50               | 50             | >10 | Negative | Negative  | Negative         | N/A <u>II</u>       | N/A      |
| Q1204-11      | ME29A7           | 50               | 50             | >10 | Negative | Negative  | Negative         | N/A <u>II</u>       | N/A      |
| Q1204-12      | ME29A8           | 50               | 50             | >10 | Negative | Negative  | Negative         | N/A <u>II</u>       | N/A      |
| Q1204-13      | ME29B0           | 50               | 50             | >10 | Negative | Negative  | Negative         | N/A <u>II</u>       | N/A      |
| Q1204-14      | ME29B1           | 50               | 50             | >10 | Negative | Negative  | Negative         | N/A <u>II</u>       | N/A      |
| Q1204-15      | ME29A9           | 50               | 50             | >10 | Negative | Negative  | Negative         | N/A <u>II</u>       | N/A      |
| Q1204-17      | ME29B3           | 50               | 50             | >10 | Negative | Negative  | Negative         | N/A <u>II</u>       | N/A      |
| Q1204-18      | ME29B4           | 50               | 50             | >10 | Negative | Negative  | Negative         | N/A <u>II</u>       | N/A      |
| Q1204-19      | ME29B5           | 50               | 50             | >10 | Negative | Negative  | Negative         | N/A <u>II</u>       | N/A      |
| Q1204-20      | ME29B8           | 50               | 50             | >10 | Negative | Negative  | Negative         | N/A <u>II</u>       | N/A      |
| Q1204-21      | ME29B9           | 50               | 50             | >10 | Negative | Negative  | Negative         | N/A <u>II</u>       | N/A      |
| Q1204-22      | ME29C0           | 50               | 50             | >10 | Negative | Negative  | Negative         | N/A <u>II</u>       | N/A      |