

SOP ID : MSM4500-CN C,E-Cyanide-13

SDG No : N/A

Start Digest Date: 10/06/2025 Time : 11:05 Temp : 123 °C

Matrix : WATER

End Digest Date: 10/06/2025 Time : 12:35 Temp : 127 °C

Pipette ID : WC

Balance ID : N/A

Hood ID : HOOD#1

Digestion tube ID : M5595

Block Thermometer ID : WC CYANIDE

Block ID : MC-1,MC-2

Filter paper ID : N/A

Prep Technician Signature:

Weigh By : N/A

pH Meter ID : N/A

Supervisor Signature:

| Standard Name     | MLS USED | STD REF. # FROM LOG |
|-------------------|----------|---------------------|
| LCSW              | 1.0ML    | WP113838            |
| MS/MSD SPIKE SOL. | 0.40ML   | WP113837            |
| PBW               | 50.0ML   | W3112               |
| RL CHECK          | 50.0ML   | WP115062            |
| N/A               | N/A      | N/A                 |

| Chemical Used         | ML/SAMPLE USED | Lot Number |
|-----------------------|----------------|------------|
| 0.25N NaOH            | 50.0ML         | WP113836   |
| 50% v/v H2SO4         | 5.0ML          | WP112826   |
| 51% w/v MgCL2         | 2.0ML          | WP112827   |
| pH Paper 0-14         | N/A            | W3215      |
| Nitrate/Nitrite Strip | N/A            | W3182      |
| Lead Acetate strip    | N/A            | W3134      |
| KI-starch paper       | N/A            | W3155      |
| 0.4N Sulfamic Acid    | 5.ML           | WP112829   |
| 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               | N/A           | N/A      |
| S5.0          | S5.0             | N/A           | N/A      |
| S10.0         | S10.0            | N/A           | N/A      |
| S100.0        | S100.0           | N/A           | N/A      |
| S250.0        | S250.0           | N/A           | N/A      |
| S500.0        | S500.0           | N/A           | N/A      |
| ICV           | ICV              | 0.5ML         | W3012    |
| ICB           | ICB              | N/A           | N/A      |
| CCV           | CCV              | N/A           | N/A      |
| CCB           | CCB              | N/A           | N/A      |
| Midrange      | Midrange         | 2.5ML         | WP113837 |
| HIGHSTD       | HIGHSTD          | N/A           | N/A      |
| LOWSTD        | LOWSTD           | N/A           | N/A      |

Extraction Conformance/Non-Conformance Comments:

N/A

| Date / Time      | Prepped Sample Relinquished By/Location | Received By/Location |
|------------------|-----------------------------------------|----------------------|
| 10/06/2025 12:50 | JR / WC                                 | RM / 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 |
|---------------|----------------------|------------------|----------------|-----|----------|-----------|------------------|---------|----------|
| PB169962BL    | PBW962               | 50               | 50             | >12 | Negative | Negative  | Negative         | N/A     | N/A      |
| PB169962BS    | LCS962               | 50               | 50             | >12 | Negative | Negative  | Negative         | N/A     | N/A      |
| Q3258-01DUP   | MONTHLY-CYANIDE DUP  | 50               | 50             | >12 | Negative | Negative  | Negative         | N/A     | N/A      |
| Q3258-01      | MONTHLY-CYANIDE      | 50               | 50             | >12 | Negative | Negative  | Negative         | N/A     | N/A      |
| Q3258-02      | Q3258-01MS           | 50               | 50             | >12 | Negative | Negative  | Negative         | N/A     | N/A      |
| Q3258-03      | Q3258-01MSD          | 50               | 50             | >12 | Negative | Negative  | Negative         | N/A     | N/A      |
| Q3258-04      | ADDITIONAL-CYANIDE-3 | 50               | 50             | >12 | Negative | Negative  | Negative         | N/A     | N/A      |
| Q3267-01      | Q4                   | 50               | 50             | >12 | Negative | Negative  | Positive         | N/A     | N/A      |