

SOP ID : M9012B-Total, Amenable and Reactive Cyanide-21

SDG No : N/A

Start Digest Date: 11/18/2025 Time : 08:30 Temp : 123 °C

Matrix : SOIL

End Digest Date: 11/18/2025 Time : 10:00 Temp : 126 °C

Pipette ID : WC

Balance ID : WC SC-7

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 : JP

pH Meter ID : N/A

Supervisor Signature: 12

| Standard Name     | MLS USED | STD REF. # FROM LOG |
|-------------------|----------|---------------------|
| LCSS              | 1.0ML    | WP113838            |
| MS/MSD SPIKE SOL. | 0.40ML   | WP113837            |
| PBS003            | 50.0ML   | W3112               |
| N/A               | N/A      | N/A                 |
| 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          | WP115334   |
| 51% w/v MgCL2 | 2.0ML          | WP115335   |
| 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  |
|---------------|------------------|---------------|----------|
| 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         | N/A           | N/A      |
| HIGHSTD       | HIGHSTD          | 5.0ML         | WP113837 |
| LOWSTD        | LOWSTD           | 0.1ML         | WP113837 |

Extraction Conformance/Non-Conformance Comments:

N/A

| Date / Time      | Prepped Sample Relinquished By/Location                                             | Received By/Location                                                                  |
|------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 11/18/2025 10:15 |  |  |
|                  | Preparation Group                                                                   | Analysis Group                                                                        |

| Lab Sample ID | Client Sample ID       | Initial Weight (g) | Final Vol (ml) | pH  | Sulfide | Oxidizing | Nitrate/ Nitrite | Comment | Prep Pos |
|---------------|------------------------|--------------------|----------------|-----|---------|-----------|------------------|---------|----------|
| PB170589BL    | PBS589                 | 1.00               | 50             | N/A | N/A     | N/A       | N/A              | N/A     | N/A      |
| PB170589BS    | LCS589                 | 1.00               | 50             | N/A | N/A     | N/A       | N/A              | N/A     | N/A      |
| Q3645-01      | HD-02-11142025         | 1.02               | 50             | N/A | N/A     | N/A       | N/A              | N/A     | N/A      |
| Q3646-01      | SU-03-11142025         | 1.02               | 50             | N/A | N/A     | N/A       | N/A              | N/A     | N/A      |
| Q3648-01      | OR-02-111425           | 1.04               | 50             | N/A | N/A     | N/A       | N/A              | N/A     | N/A      |
| Q3649-01      | B5-0.0-0.5-20251114    | 1.03               | 50             | N/A | N/A     | N/A       | N/A              | N/A     | N/A      |
| Q3649-03      | DUPE-0.0-0.5-20251114  | 1.03               | 50             | N/A | N/A     | N/A       | N/A              | N/A     | N/A      |
| Q3649-06      | B4-0.0-0.5-20251114    | 1.01               | 50             | N/A | N/A     | N/A       | N/A              | N/A     | N/A      |
| Q3649-06DUP   | B4-0.0-0.5-20251114DUP | 1.01               | 50             | N/A | N/A     | N/A       | N/A              | N/A     | N/A      |
| Q3649-06MS    | B4-0.0-0.5-20251114MS  | 1.03               | 50             | N/A | N/A     | N/A       | N/A              | N/A     | N/A      |
| Q3649-06MSD   | B4-0.0-0.5-20251114MSD | 1.01               | 50             | N/A | N/A     | N/A       | N/A              | N/A     | N/A      |
| Q3649-08      | B3-0.0-0.5-20251114    | 1.03               | 50             | N/A | N/A     | N/A       | N/A              | N/A     | N/A      |
| Q3656-01      | T2-GRAVEL              | 1.01               | 50             | N/A | N/A     | N/A       | N/A              | N/A     | N/A      |
| Q3658-01      | NB-07-111725           | 1.03               | 50             | N/A | N/A     | N/A       | N/A              | N/A     | N/A      |