

SOP ID : M1311-TCLP-15  
SDG No : N/A  
Weigh By : JP  
Balance ID : WC SC-7  
pH Meter ID : WC PH METER-1  
Extraction By : JP  
Filter By : JP  
Pipette ID : WC  
Tumbler ID : T-1 / T-2  
TCLP Filter ID : 114771

Start Prep Date : 01/30/2025 Time : 14:00  
End Prep Date : 01/31/2025 Time : 07:15  
Combination Ratio : 20  
ZHE Cleaning Batch : N/A  
Initial Room Temperature: 23 °C  
Final Room Temperature: 22 °C  
TCLP Technician Signature : *18*  
Supervisor By : *12*

| Standard Name | MLS USED | STD REF. # FROM LOG |
|---------------|----------|---------------------|
| 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                 |

| Chemical Used        | ML/SAMPLE U | Lot Number                          |
|----------------------|-------------|-------------------------------------|
| TCLP-FLUID-1         | N/A         | WP110801                            |
| HCL-TCLP,1N          | N/A         | WP110803                            |
| HNO3-TCLP,1N         | N/A         | WP110804                            |
| pH Strips            | N/A         | W1931,W1934,W3171,W3172             |
| pH Strips            | W1941,W1942 | W1937,W1938,W1939,W1940,W1941,W1942 |
| 1 Liter Amber        | N/A         | 90424-08                            |
| 120ml Plastic bottle | N/A         | 405130101                           |
| 1:1 HNO3             | N/A         | MP84041                             |

**Extraction Conformance/Non-Conformance Comments:**

Matrix spikes are added after filtration and before preservation. TUMBLER T-1 / T-2 checked,30 rpm. Particle size reduction is not required. p1235-08 is used for MS-MSD.

| Date / Time    | Prepped Sample Relinquished By/Location | Received By/Location           |
|----------------|-----------------------------------------|--------------------------------|
| 01/31/25 09:45 | <i>JP</i> / TCLP Room                   | <i>SLG.</i> & <i>TEL</i>       |
|                | Preparation Group                       | Analysis Group <i>laet n'y</i> |

## TCLP EXTRACTION LOGPAGE

PB166356

| Sample ID  | ClientID          | TCLP Vessel ID | Sample Wt (g) | Volume Extraction Fluid #1 (mL) | Multi phasic | Phase Miscible | Phases Combined | Final Leachate PH | Metals Leachate Adj. PH | Prep Pos |
|------------|-------------------|----------------|---------------|---------------------------------|--------------|----------------|-----------------|-------------------|-------------------------|----------|
| PB166356TB | LEB356            | N/A            | N/A           | 2000                            | N/A          | N/A            | N/A             | 4.94              | 1.0                     | T-2      |
| Q1215-04   | JPP-29.1-012825   | 01             | 100.02        | 2000                            | N/A          | N/A            | N/A             | 6.0               | 1.5                     | T-1      |
| Q1215-08   | JPP-29.2-012825   | 02             | 100.03        | 2000                            | N/A          | N/A            | N/A             | 7.2               | 1.0                     | T-1      |
| Q1216-04   | JPP-18.1-012825   | 03             | 100.02        | 2000                            | N/A          | N/A            | N/A             | 7.0               | 1.5                     | T-1      |
| Q1216-08   | JPP-21.1-012825   | 04             | 100.01        | 2000                            | N/A          | N/A            | N/A             | 7.2               | 1.0                     | T-1      |
| Q1216-12   | JPP-21.2-012825   | 05             | 100.02        | 2000                            | N/A          | N/A            | N/A             | 7.0               | 1.5                     | T-1      |
| Q1216-16   | JPP-26.1-012825   | 06             | 100.03        | 2000                            | N/A          | N/A            | N/A             | 6.2               | 1.0                     | T-1      |
| Q1216-20   | JPP-26.2-012825   | 07             | 100.04        | 2000                            | N/A          | N/A            | N/A             | 7.2               | 1.0                     | T-1      |
| Q1218-02   | BELL-25-002       | 08             | 100.02        | 2000                            | N/A          | N/A            | N/A             | 3.0               | 1.5                     | T-1      |
| Q1219-02   | LAW-25-0015       | 09             | 100.02        | 2000                            | N/A          | N/A            | N/A             | 3.0               | 1.0                     | T-1      |
| Q1221-02   | CHESTNUT-CONCRETE | 10             | 100.03        | 2000                            | N/A          | N/A            | N/A             | 10.5              | 1.5                     | T-1      |
| Q1232-04   | JPP-46.2-012925   | 11             | 100.04        | 2000                            | N/A          | N/A            | N/A             | 5.8               | 1.0                     | T-2      |
| Q1232-08   | JPP-46.1-012925   | 12             | 100.02        | 2000                            | N/A          | N/A            | N/A             | 7.6               | 1.5                     | T-2      |
| Q1232-12   | JPP-42.1-012925   | 13             | 100.03        | 2000                            | N/A          | N/A            | N/A             | 7.6               | 1.0                     | T-2      |
| Q1232-16   | JPP-42.2-012925   | 14             | 100.02        | 2000                            | N/A          | N/A            | N/A             | 7.2               | 1.5                     | T-2      |
| Q1232-20   | JPP-51.1-012925   | 15             | 100.01        | 2000                            | N/A          | N/A            | N/A             | 7.0               | 1.0                     | T-2      |
| Q1235-04   | JPP-51.2-012925   | 16             | 100.03        | 2000                            | N/A          | N/A            | N/A             | 7.6               | 1.5                     | T-2      |
| Q1235-08   | JPP-16.1-012925   | 17             | 100.04        | 2000                            | N/A          | N/A            | N/A             | 7.6               | 1.0                     | T-2      |

| SampleID   | ClientID          | Sample Weight (g) | Filter Weight (g) | Filtrate (mL) | Filter + Solid (After 100°C) | % solids | % Dry Solids |
|------------|-------------------|-------------------|-------------------|---------------|------------------------------|----------|--------------|
| PB166356TB | LEB356            | N/A               | N/A               | N/A           | N/A                          | N/A      | N/A          |
| Q1215-04   | JPP-29.1-012825   | N/A               | N/A               | N/A           | N/A                          | 100      | N/A          |
| Q1215-08   | JPP-29.2-012825   | N/A               | N/A               | N/A           | N/A                          | 100      | N/A          |
| Q1216-04   | JPP-18.1-012825   | N/A               | N/A               | N/A           | N/A                          | 100      | N/A          |
| Q1216-08   | JPP-21.1-012825   | N/A               | N/A               | N/A           | N/A                          | 100      | N/A          |
| Q1216-12   | JPP-21.2-012825   | N/A               | N/A               | N/A           | N/A                          | 100      | N/A          |
| Q1216-16   | JPP-26.1-012825   | N/A               | N/A               | N/A           | N/A                          | 100      | N/A          |
| Q1216-20   | JPP-26.2-012825   | N/A               | N/A               | N/A           | N/A                          | 100      | N/A          |
| Q1218-02   | BELL-25-002       | N/A               | N/A               | N/A           | N/A                          | 100      | N/A          |
| Q1219-02   | LAW-25-0015       | N/A               | N/A               | N/A           | N/A                          | 100      | N/A          |
| Q1221-02   | CHESTNUT-CONCRETE | N/A               | N/A               | N/A           | N/A                          | 100      | N/A          |
| Q1232-04   | JPP-46.2-012925   | N/A               | N/A               | N/A           | N/A                          | 100      | N/A          |
| Q1232-08   | JPP-46.1-012925   | N/A               | N/A               | N/A           | N/A                          | 100      | N/A          |
| Q1232-12   | JPP-42.1-012925   | N/A               | N/A               | N/A           | N/A                          | 100      | N/A          |
| Q1232-16   | JPP-42.2-012925   | N/A               | N/A               | N/A           | N/A                          | 100      | N/A          |
| Q1232-20   | JPP-51.1-012925   | N/A               | N/A               | N/A           | N/A                          | 100      | N/A          |
| Q1235-04   | JPP-51.2-012925   | N/A               | N/A               | N/A           | N/A                          | 100      | N/A          |
| Q1235-08   | JPP-16.1-012925   | N/A               | N/A               | N/A           | N/A                          | 100      | N/A          |

**Hot Block ID :** WC S-1 /WC S-2
**Thermometer ID :** FLASHPOINT

| SampleID   | ClientID          | Sample Weight (g) | Volume DI Water (mL) | PH after 5 min stir | PH after 10 min stir | Extraction Fluid 1 or 2 | pH Extraction Fluid |
|------------|-------------------|-------------------|----------------------|---------------------|----------------------|-------------------------|---------------------|
| PB166356TB | LEB356            | N/A               | N/A                  | N/A                 | N/A                  | #1                      | 4.94                |
| Q1215-04   | JPP-29.1-012825   | 5.02              | 96.5                 | 8.2                 | 3.5                  | #1                      | 4.94                |
| Q1215-08   | JPP-29.2-012825   | 5.03              | 96.5                 | 9.0                 | 4.0                  | #1                      | 4.94                |
| Q1216-04   | JPP-18.1-012825   | 5.02              | 96.5                 | 8.6                 | 3.5                  | #1                      | 4.94                |
| Q1216-08   | JPP-21.1-012825   | 5.01              | 96.5                 | 9.0                 | 4.0                  | #1                      | 4.94                |
| Q1216-12   | JPP-21.2-012825   | 5.02              | 96.5                 | 9.1                 | 4.0                  | #1                      | 4.94                |
| Q1216-16   | JPP-26.1-012825   | 5.00              | 96.5                 | 8.6                 | 3.5                  | #1                      | 4.94                |
| Q1216-20   | JPP-26.2-012825   | 5.03              | 96.5                 | 9.3                 | 4.0                  | #1                      | 4.94                |
| Q1218-02   | BELL-25-002       | 5.04              | 96.5                 | 5.6                 | 2.0                  | #1                      | 4.94                |
| Q1219-02   | LAW-25-0015       | 5.03              | 96.5                 | 5.5                 | 2.5                  | #1                      | 4.94                |
| Q1221-02   | CHESTNUT-CONCRETE | 5.04              | 96.5                 | 11.0                | 4.5                  | #1                      | 4.94                |
| Q1232-04   | JPP-46.2-012925   | 5.02              | 96.5                 | 7.2                 | 2.5                  | #1                      | 4.94                |
| Q1232-08   | JPP-46.1-012925   | 5.01              | 96.5                 | 10.5                | 3.5                  | #1                      | 4.94                |
| Q1232-12   | JPP-42.1-012925   | 5.02              | 96.5                 | 11.5                | 4.5                  | #1                      | 4.94                |
| Q1232-16   | JPP-42.2-012925   | 5.00              | 96.5                 | 10.0                | 4.0                  | #1                      | 4.94                |
| Q1232-20   | JPP-51.1-012925   | 5.03              | 96.5                 | 9.1                 | 3.5                  | #1                      | 4.94                |
| Q1235-04   | JPP-51.2-012925   | 5.04              | 96.5                 | 11.5                | 4.5                  | #1                      | 4.94                |
| Q1235-08   | JPP-16.1-012925   | 5.05              | 96.5                 | 10.5                | 4.0                  | #1                      | 4.94                |