



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

## **CASE NARRATIVE**

**Environmental Restoration, LLC**

**Project Name: CC2-16 Analytical**

**Project # N/A**

**Order ID # Q2481**

**Test Name: TCLP ICP Metals, TCLP Mercury**

### **A. Number of Samples and Date of Receipt:**

10 Water samples were received on 06/27/2025.

### **B. Parameters:**

According to the Chain of Custody document, the following analyses were requested: Flash Point, PCB, pH, TCLP Extraction, TCLP ICP Metals and TCLP Mercury. This data package contains results for TCLP ICP Metals, TCLP Mercury.

### **C. Analytical Techniques:**

The analysis of TCLP ICP Metals was based on method 6010D, digestion based on method 3010 (waters). The analysis and digestion of TCLP Mercury was based on method 7470A and TCLP extraction method was 1311.

### **D. QA/ QC Samples:**

The Holding Times were met for all analysis.

The Blank Spike met requirements for all parameters.

The Duplicate analysis met criteria for all parameters.

The Matrix Spike analysis met criteria for all parameters.

The Matrix Spike Duplicate analysis met criteria for all parameters.

The Blank analysis did not indicate the presence of lab contamination.

The Calibration met the requirements.

The Serial Dilution met the acceptable requirements.

### **E. Additional Comments:**

Sample for Q2481-02, Q2481-03, Q2481-04, Q2481-06, Q2481-07, and Q2481-09 are analyzed straight as 10X dilution for TCLP Mercury due to very highly contaminated matrix and physical samples are dark and dark brown after digestion, not able to inject as straight to avoid damage to the instrument, can clog the tubes and carryover issue.

In analytical sequence LB136434, The Result was outside of acceptance limit for Silver of CCB08 but, no any samples associated under this CCB.

FAX and Hard copy Data Not Match Due to at time of FAX analysis CCB fail for Silver parameter in sequence so Corrective action taken by Lab and all sample Re-analyze in another sequence, so in Hard copy correct data reported.



Sample Q2481-01, Q2481-02, Q2481-03, and Q2481-09 are analyzed straight as 10X dilution, and sample Q2481-04, Q2481-05, Q2481-06, Q2481-07, and Q2481-10 are analyzed straight as 5X dilution for TCLP Metals Parameter because of physical appearance of matrix for all these samples is oily and smells kind of organic solvents and there is no clarity of these samples after digestion. Very thick and oily water, not possible to reduce volume if taken as whole volume.

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I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature\_\_\_\_\_