



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

## **CASE NARRATIVE**

**Walsh Construction Company II, LLC**

**Project Name: Construction of Shafts 17B-18B - PN 220084**

**Project # N/A**

**Order ID # Q2487**

**Test Name: Mercury, Metals ICP-TAL**

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

24 Solid samples were received on 07/01/2025.

### **B. Parameters:**

According to the Chain of Custody document, the following analyses were requested: Ammonia, COD, Corrosivity, Cyanide, Diesel Range Organics, EPH\_NF, Gasoline Range Organics, Herbicide, Hexavalent Chromium, Ignitability, Mercury, Metals ICP-TAL, METALS TAL+CN, Oil and Grease, Paint Filter, PCB, Pesticide-TCL, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, SPLP BNA, SPLP Extraction, SPLP Herbicide, SPLP ICP Metals, SPLP Mercury, SPLP Pesticide, SPLP VOA, SPLP ZHE Ext, SPLP-FULL, SVOC-TCL BNA -20, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP ICP Metals, TCLP Mercury, TCLP Metals+Cu+Ni+Zn, TCLP Pesticide, TCLP VOA, TCLP ZHE Extraction, TCLP-FULL, TCLP Metals Group1, TKN, TPH GC, Trivalent Chromium, TS, TVS and VOC-TCLVOA-10. This data package contains results for Mercury, Metals ICP-TAL.

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

The analysis of Metals ICP-TAL was based on method 6010D, digestion based on method 3050 (soils). The analysis and digestion of Mercury was based on method 7471B.

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

The Holding Times were met for all analysis.

Sample G3(0-6) was diluted due to high concentrations for Zinc & Sample G2(6-12) was diluted due to high concentrations for Zinc & Sample G1(0-6) was diluted due to high concentrations for Aluminum, Barium, Calcium, Lead, Zinc & Sample G1(6-12) was diluted due to high concentrations for Zinc.

The Blank Spike met requirements for all compounds.

The Duplicate (WC-11DUP) analysis met criteria for all compounds except for Cadmium due to sample matrix interference.

The Matrix Spike (WC-11MS) analysis met criteria for all compounds except for Antimony, Selenium, Silver, Thallium, Vanadium due to chemical interference during digestion Process.

The Matrix Spike Duplicate (WC-11MSD) analysis met criteria for all compounds except for Antimony, Potassium, Selenium, Silver, Thallium, Vanadium due to chemical interference during digestion process.

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



The Calibration met the requirements.  
The Serial Dilution met criteria for all compounds.

**E. Additional Comments:**

The Post Digest Spike (WC-11A) analysis met criteria for all compounds except for Silver due to unknown chemical interference of matrix with the addition of spike amount after digestion and before analysis; matrix has suppression effect during addition of spike.

In analytical sequence LB136390, The % recovery was outside of acceptance limit for Thallium of CCV05, but no any sample associated under this CCV.

In analytical sequence LB136390, The % recovery was outside of acceptance limit for Potassium of CCV06, but no any sample associated under this CCV.

In analytical sequence LB136390, The % recovery was outside of acceptance limit for Thallium of CCV06., but no any sample associated under this CCV.

In analytical sequence LB136434, The % recovery was outside of acceptance limit for Potassium of ICV01, but no any sample associated under this ICV.

In analytical sequence LB136434, The % recovery was outside of acceptance limit for Silver of ICV01, but no any sample associated under this ICV.

---

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\_\_\_\_\_