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## **CASE NARRATIVE**

**Roman E&G Corp**

**Project Name: Perth Amboy**

**Project # N/A**

**Chemtech Project # P4258**

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

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

4 Solid samples were received on 10/01/2024.

### **B. Parameters:**

According to the Chain of Custody document, the following analyses were requested: Ammonia, Anions Group1, ASTM Ammonia, ASTM COD, ASTM Leach Extraction, ASTM Oil and Grease, ASTM TS, COD, Corrosivity, EPH, GROWS Concrete, GROWS Concrete ASTM, GROWS Soil, GROWS Soil-Waste Class, Herbicide, Hexavalent Chromium, Ignitability, Mercury, Metals Group1, Metals ICP-Group1, Metals ICP-TAL, METALS-TAL, Oil and Grease, Paint Filter, PCB, Pesticide-TCL, pH, Reactive Cyanide, Reactive Sulfide, SVOC-TCL BNA -20, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP Mercury, TCLP Metals + Cu+Ni+Zn, TCLP Pesticide, TCLP VOA, TCLP ZHE Extraction, TCLP-FULL, TS, TVS and VOC-TCLVOA-10. This data package contains results for Metals ICP-TAL,Mercury.

### **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.

The Blank Spike met requirements for all samples.

The Duplicate analysis met criteria for all samples.

The Matrix Spike (SP-10MS) analysis met criteria for all samples except for Antimony, Copper, Potassium and Selenium due to Chemical interference during Digestion Process.

The Matrix Spike Duplicate (SP-10MSD) analysis met criteria for all samples except for Copper, Potassium, Selenium, Sodium, Vanadium and Zinc 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 samples.

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

In analytical sequence LB133014, The % Recovery outside the limit for Iron and Manganese, but no any sample associated under this CCV.

The temperature of the samples at the time of receipt was 22.1°C, Lab notified this issue to the client. See the communication in shipping Document section.

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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\_\_\_\_\_