CASE NARRATIVE

Weston Solutions, Inc.
Project Name: RFP 905
Project # N/A
Chemtech Project # Q1421
Test Name: Cyanide,SPLP Cyanide

A. Number of Samples and Date of Receipt:
10 Solid samples were received on 02/24/2025.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested:
Cyanide, EPH, Mercury, Metals ICP-TAL, METALS TAL+CN, PCB, Pesticide-TCL,
SPLP BNA, SPLP Cyanide, SPLP Extraction, SPLP ICP Metals, SPLP Mercury, SPLP
PCB, SPLP Pesticide, SPLP VOA, SPLP ZHE Ext, SVOC-TCL BNA -20 and VOC-
TCLVOA-10. This data package contains results for Cyanide,SPLP Cyanide.

C. Analytical Techniques:
The analysis of Cyanide,SPLP Cyanide was based on method 9012B.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Blank Spike met requirements for all samples.
The Duplicate (P001-CLAY-CF01-01DUP) analysis met criteria for all samples except
for Cyanide due to results are below reporting limit.
The Matrix Spike analysis met criteria for all samples.
The Matrix Spike Duplicate analysis met criteria for all samples.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.

E. Additional Comments:
Calculation for CN Soil Sample:

Conversion of Results from μg /L or ppb to mg/kg:

$$\text{Concentration (mg/kg)} = C \times \frac{Vf}{W \times S} \times DF / 1000$$

Where,

C = Instrument response in μg/L CN from the calibration curve.
Vf = Final prepared (absorbing solution) volume (mL)
W = Initial aliquot amount (g) (Fraction of Sample amount taken in prep)
S = % Solids / 100 (Fraction of Percent Solids)
DF = Dilution Factor

Calculation for CN Water Sample:

Concentration or Result (µg/L) = $\quad C \times \dfrac{Vf}{Vi} \times DF$

Where,

        C   = Instrument response in µg/L CN from the calibration curve.
        Vf = Final prepared (absorbing solution) volume (mL)
        Vi = Initial aliquot amount (mL) (Sample amount taken in prep)
        DF = Dilution Factor

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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_____