

CASE NARRATIVE

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

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 SPLP VOA.

C. Analytical Techniques:

The analysis performed on instrument MSVOA_N were done using GC column Rxi-624SIL MS 30m, 0.25mm, 1.4 um, Cat. #13868.The analysis of SPLP VOA was based on method 8260D.

D. QA/ QC Samples:

The Holding Times were met for all analysis. The Surrogate recoveries met the acceptable criteria. The Internal Standards Areas met the acceptable requirements. The Retention Times were acceptable for all samples. The MS recoveries met the requirements for all compounds . The MSD recoveries met the acceptable requirements .

The Blank Spike for {VN0226WBS01} with File ID: VN085865.D met requirements for all samples except for 2-Hexanone[120%], is failing high but no positive hit in associate samples therefore no corrective action taken.

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

The %RSD is greater than 20% in the Initial Calibration method (82N021825W.M) for Styrene this compound is passing on Quadratic Regression.

The Continuous Calibration File ID VN085862.D met the requirements except for 2-Hexanone is failling high but no positive hit in associate samples therefore no corrective action taken and Carbon Disulfide is failling Marginary low therefore no corrective action taken.



The Tuning criteria met requirements.

E. Calculation:

Water Calculation in ug/L

(A x)(I s) (Df) (Ais) (RRF)(V0)

Where,

Ax = Area for the compound to be measured Ais = Area for the specific internal standard Is = Amount of internal standard added in nanograms (ng) RRF = Relative response factor of the initial calibration curve standard. Vo = Volume of water purged in milliliters (mL) Df = Dilution factor.

F. Additional Comments:

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

G. Manual Integration Comments:

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

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_____