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CASE NARRATIVE

Weston Solutions, Inc.

Project Name: RFP 905

Project # N/A

Chemtech Project # Q1664

Test Name: SPLP BNA

A. Number of Samples and Date of Receipt:

22 Solid samples were received on 03/27/2025.

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 BNA.

C. Analytical Techniques:

The samples were analyzed on instrument BNA_G using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGAThe analysis of SPLP BNA was based on method 8270E and extraction was done based on method 3541.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria except for P001-BBDGA-005-01 [2,4 and 6-Tribromophenol - 138%], as per method two surrogates are allowed to failed, therefore no corrective action was taken.

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The MS {Q1664-05MS} with File ID: BG064135.D recoveries met the requirements for all compounds except for 1,4-Dioxane[30%], 2,3,4,6-Tetrachlorophenol[122%], 2,4,5-Trichlorophenol[123%], 2,4,6-Trichlorophenol[123%] and Hexachlorocyclopentadiene [230%], due to matrix interference, no corrective action is required.

The MSD {Q1664-06MSD} with File ID: BG064136.D recoveries met the acceptable requirements except for 1,2,4,5-Tetrachlorobenzene[103%], 1,4-Dioxane[32%], 2,3,4,6-Tetrachlorophenol[129%], 2,4,5-Trichlorophenol[125%], 2,4,6-Trichlorophenol[127%], Atrazine[164%], Hexachlorocyclopentadiene[240%] and Nitrobenzene[114%], due to matrix interference, no corrective action is required.

The RPD met criteria .

The Blank Spike for {PB167393BS} with File ID: BG064173.D met requirements for all samples except for 2,4,5-Trichlorophenol[107%], 2-Nitrophenol[118%], 3+4-Methylphenols[109%], 4,6-Dinitro-2-methylphenol[133%], Atrazine[135%], Butylbenzylphthalate[108%] and Hexachlorocyclopentadiene[230%], The associate samples have no positive hit for these compounds therefore no corrective action was taken.

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

The % RSD is greater than 20% in the Initial Calibration (8270-BG030525.M) for Benzoic acid, 2,6-Dinitrotoluene, 2,4-Dinitrophenol, 2,4-Dinitrotoluene, 4,6-Dinitro-2-methylphenol, Butylbenzylphthalate, these compounds are passing on Linear Regression and 2-Nitrophenol, 2-Nitroaniline, are passing on Quadratic regression.

The Continuous Calibration File ID BG064130.D met the requirements except for Hexachlorocyclopentadiene, The associate samples have no positive hit for this compound therefore no corrective action was taken. .

The Continuous Calibration File ID BG064164.D met the requirements except for 2,4-Dinitrophenol, 2-Nitrophenol, 4,6-Dinitro-2-methylphenol and Hexachlorocyclopentadiene, The associate samples have no positive hit for these compounds therefore no corrective action was taken.

The Tuning criteria met requirements.

E. Additional Comments:

The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.

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.

F. Manual Integration Comments:

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



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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_____