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CASE NARRATIVE

Weston Solutions, Inc.
Project Name: RFP 916
Project # N/A
Order ID # Q3178
Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:
3 Solid samples were received on 09/23/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: VOC-TCLVOA-10. This data package contains results for VOC-TCLVOA-10.

C. Analytical Techniques:
The analysis performed on instrument MSVOA_W were done using GC column Rxi-624SIL MS 30m, 0.25mm, 1.4 um, Cat. #13868.The analysis of VOC-TCLVOA-10 was based on method 8260D.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries were met for all analysis.

The Internal Standards Areas were met for all analysis except for EME-TS14-01MS, EME-TS14-01MSD original analysis met all QC limit requirements therefore no corrective action taken.
The Retention Times were met for all analysis.

The MS {Q3178-02MS} with File ID: VW032271.D recoveries met the requirements for all compounds except for 1,1,2,2-Tetrachloroethane[280%], 1,2-Dibromo-3-Chloropropane[240%], Isopropylbenzene[173%] and Methyl Acetate[293%] due to matrix interference.
The MSD {Q3178-03MSD} with File ID: VW032272.D recoveries met the requirements for all compounds except for 1,1,2,2-Tetrachloroethane[224%], 1,2-Dibromo-3-Chloropropane[196%], Isopropylbenzene[168%] and Methyl Acetate[281%] due to matrix interference.

The RPD for {Q3178-03MSD} with File ID: VW032272.D met criteria except for 1,1,2,2-Tetrachloroethane[22%], 1,2,4-Trichlorobenzene[23%], Bromodichloromethane[22%], Carbon disulfide[27%], Carbon Tetrachloride[21%], cis-1,2-Dichloroethene[21%], cis-1,3-Dichloropropene[29%], Dibromochloromethane[31%], Methylcyclohexane[22%], o-Xylene[22%], Styrene[27%], t-1,3-Dichloropropene[26%], Toluene[33%], Trichloroethene[26%] and Trichlorofluoromethane[24%]

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due to difference in results of MS and MSD.

The Blank Spike met requirements for all compounds.
The Blank analysis did not indicate the presence of lab contamination.
The %RSD is greater than 20% in the Initial Calibration method (82W082625S.M) for Methylene chloride passing on Quadratic regression.
The %RSD is greater than 20% in the Initial Calibration method (82W092525S.M) for Methylene chloride passing on Linear regression.

The Continuous Calibration File ID VW032241.D met the requirements except for Methyl Acetate is failing high but no positive hit in associate sample therefore no corrective action taken.
The Tuning criteria met requirements.

E. Calculation:
Low Level Soil Calculation in ug/Kg dry weight basis

$$\frac{(A_x)(I_s)(Df)}{(A_{is})(RRF)(Ws)(D)}$$

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.
Df = Dilution factor
Ws= Weight of sample

$$D = \frac{100 - \%\text{moisture}}{100}$$

F. Additional Comments:
Trip Blank was not provided with this set of samples.
The soil samples results are based on a dry weight basis.

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_____