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CASE NARRATIVE

Weston Solutions, Inc.

Project Name: RFP 918

Project # N/A

Order ID # Q3321

Test Name: TCLP Herbicide

A. Number of Samples and Date of Receipt:

1 Solid sample was received on 10/09/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: TCLP Herbicide. This data package contains results for TCLP Herbicide.

C. Analytical Techniques:

The analysis was performed on instrument ECD_S. The front column is RTX-CLPesticides which is 30 meters, 0.32 mm ID, 0.5 µm df, Catalog # 11139. The rear column is RTX-CLPesticides2 which is 30 meters, 0.32 mm ID, 0.25 µm df, Catalog #: 11324. The analysis of TCLP Herbicides was based on method 8151A and extraction was done based on method 3510 and TCLP extraction method was 1311.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries were met for all analysis except for P001-DS-01 [2,4-DCAA(1)52%, 2,4-DCAA(2)56%], P001-DS-01RE [2,4-DCAA(1)50%, 2 and 4-DCAA(2)55%] the failure samples in surrogates were reanalyzed to confirm the results as per method and reported in the data. P001-DS-01MS [2,4-DCAA(1)36%], P001-DS-01MSD [2,4-DCAA(1)36%] Surrogate failure for MS-MSD confirmed with original sample.

The Retention Times were met for all analysis.

The MS {Q3321-02MS} with File ID: PS032019.D recoveries met the requirements for all compounds except for [2,4,5-TP(Silvex)(1)50% - 2,4,5-TP(Silvex)(2)43%] and [2,4-D(1)0% - 2,4-D(2)0%] due to matrix interference.

The MSD {Q3321-02MSD} with File ID: PS032020.D recoveries met the requirements for all compounds except for [2,4,5-TP(Silvex)(1)51% - 2,4,5-TP(Silvex)(2)43%] and [2,4-D(1)0% - 2,4-D(2)0%] due to matrix interference.

The RPD were met for all analysis.

The Blank Spike met requirements for all compounds.



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

The Initial Calibration met the requirements.

The Continuous Calibration met the requirements.

E. Additional Comments:

2,4-D compound was undetected in MS-MSD associated with the sample. This indicates that the spiked compound was not recovered due to strong matrix interference affecting extraction. Due to matrix interference F flag coming in original sample as well as in MS-MSD.

F. Calculation for water sample:

$$\text{ug/l} = \frac{(Ax) (Vt) (MW)}{(ICF) (Vi) (Vs)} \times DF$$

Where:

Ax = Area for the parameter to be measured.

ICF = average calibration factor for the calibration standards.

Vt = Volume of total extract in uL (Take into account dilutions)

Is = Amount of standard injected in nanograms (ng)

Vi = Volume of extract injected.

Vs = Volume of Aqueous extracted (mL).

MW = molecular weight of the compound

F. 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_____