

## **CASE NARRATIVE**

**Tetra Tech, EMI**

**Project Name: R36704**

**Project # N/A**

**Chemtech Project # P4602**

**Test Name: Herbicide**

### **A. Number of Samples and Date of Receipt:**

24 Solid samples were received on 10/29/2024.

### **B. Parameters**

According to the Chain of Custody document, the following analyses were requested: Herbicide. This data package contains results for 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 um df, Catalog # 11139. The rear column is RTX-CLPesticides2 which is 30 meters, 0.32 mm ID, 0.25 um df, Catalog #: 11324. The analysis of Herbicides was based on method 8151A and extraction was done based on method 3541.

### **D. QA/ QC Samples:**

The Holding Times were met for all samples .

The Surrogate recoveries met the acceptable criteria.

The Retention Times were acceptable for all samples.

The MS {P4602-44MS} with File ID: PS028408.D recoveries met the requirements for all compounds except for Dinoseb[0%], due to matrix interference.

The MS {P4602-41MS} with File ID: PS028411.D recoveries met the requirements for all compounds except for Dinoseb[0%], due to matrix interference.

The MS {P4602-38MS} with File ID: PS028436.D recoveries met the requirements for all compounds except for 2,4,5-TP(Silvex)[7%] and Dinoseb[8%], due to matrix interference.

The MSD {P4602-45MSD} with File ID: PS028409.D recoveries met the acceptable requirements except for Dinoseb[0%], due to matrix interference.

The MSD {P4602-42MSD} with File ID: PS028412.D recoveries met the acceptable requirements except for Dinoseb[0%], due to matrix interference.



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The MSD {P4602-39MSD} with File ID: PS028437.D recoveries met the acceptable requirements except for 2,4,5-TP(Silvex)[6%] and Dinoseb[8%], due to matrix interference.

The RPD met criteria .

The Blank Spike met requirements for all samples .

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

The Initial Calibration met the requirements .

The Continuous Calibration File ID PS028237.D met the requirements except for 2,4,5-T,2,4,5-TP (Silvex),2,4-D,2,4-DB,2,4-DCAA,DICAMBA,DICHLORPROP,DINOSEB is failing in 1st column but it is passing in 2nd column also associated QC passing for that therefore no corrective action taken.

**E. Additional Comments:**

The soil samples results are based on a dry weight basis.

**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\_\_\_\_\_