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CASE NARRATIVE

Nobis Group

Project Name: Raymark Superfund Site

Project # N/A

Chemtech Project # Q1383

Test Name: Herbicide Group1

A. Number of Samples and Date of Receipt:

22 Solid samples were received on 02/18/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Cyanide, Herbicide Group1, Mercury, Metals ICP-TAL, METALS-TAL, PCB, Pesticide-TCL, SPLP Extraction, SPLP Mercury, SPLP MetalGroup3, SVOCMS Group3 and VOCMS Group3. This data package contains results for Herbicide Group1.

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 μ m df, Catalog # 11139. The rear column is RTX-CLPesticides2 which is 30 meters, 0.32 mm ID, 0.25 μ m df, Catalog #: 11324. The analysis of Herbicide Group1s was based on method 8151A 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 OU4-PCS-TC-17-021725 [2,4-DCAA(1) - 123%], OU4-PCS-TC-17-021725RE [2 and 4-DCAA(1) - 132%], the failure sample in surrogate was reanalyzed to confirm the results as per method and reported in the data.

The Retention Times were acceptable for all samples.

The MS {Q1383-01MS} with File ID: PS029294.D recoveries met the requirements for all compounds except for Dalapon[38%], Dinoseb[0%] due to matrix interference.

The MSD {Q1383-01MSD} with File ID: PS029295.D recoveries met the acceptable requirements except for Dalapon[38%], Dinoseb[0%] due to matrix interference.

The sample # OU4-PCS-TC-11-021725MS and OU4-PCS-TC-11-021725MSD is failing for Dalapon and Dinoseb and the original sample(OU4-PCS-TC-11-021725) is reported with M flag for these compounds.



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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 met the requirements .

E. Additional Comments:

As per special requirement for this project form-1 are reported in mg/kg.

The not QT review data is reported in the Miscellaneous.

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.

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_____