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CASE NARRATIVE

Nobis Group

Project Name: Raymark Superfund Site

Project # N/A

Order ID # Q2639

Test Name: Herbicide Group1

A. Number of Samples and Date of Receipt:

7 Solid samples were received on 07/18/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Herbicide Group1. 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 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 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 were met for all analysis except for OU4-TS-42-071725 [2,4-DCAA(1)13%], OU4-TS-42-071725RE [2,4-DCAA(1)22%], OU4-TS-43-071725 [2,4-DCAA(1)13%], OU4-TS-43-071725RE [2,4-DCAA(1)22%], OU4-TS-44-071725 [2,4-DCAA(1)17%] and OU4-TS-44-071725RE [2,4-DCAA(1)20%] the failure samples in surrogates were reanalyzed to confirm the results as per method and reported in the data.

The Retention Times were met for all analysis.

The MS {Q2638-11MS} with File ID: PS031224.D recoveries met the requirements for all compounds except for [Dalapon(1)30%], [Dinoseb(1)0% - Dinoseb(2)0%] due to matrix interference.

The MSD {Q2638-11MSD} with File ID: PS031225.D recoveries met the requirements for all compounds except for [Dalapon(1)30%], [Dinoseb(1)0% - Dinoseb(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 File ID PS031219.D met the requirements except for 2,4-DB is failing in 1st column but no positive hit in associated samples therefore no corrective action taken.

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_____