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CASE NARRATIVE

Nobis Group

Project Name: Raymark Superfund Site

Project # N/A

Order ID # Q2747

Test Name: Pesticide-TCL

A. Number of Samples and Date of Receipt:

B. Parameters

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

C. Analytical Techniques:

The analysis was performed on instrument ECD_D. The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0.5 µm df.; Catalog # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 µm df, Catalog #: 7HMG017-11. The analysis was performed on instrument ECD_L. The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0.5 µm df.; Catalog # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 µm df, Catalog #: 7HMG017-11. The analysis of Pesticide-TCLs was based on method 8081B 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-GRILLO-TSCP02-073125 [Decachlorobiphenyl(1)52%] As per method one surrogate allowed to fail to meet the criteria per column, No further corrective action was taken.

The Retention Times were met for all analysis.

The MS {Q2734-01MS} with File ID: PL096696.D recoveries met the requirements for all compounds except for [4,4-DDT(2)-30%] due to matrix interference.

The MSD {Q2734-01MSD} with File ID: PL096697.D recoveries met the requirements for all compounds except for [4,4-DDT(2)-28%] due to matrix interference.

The RPD for {Q2734-01MSD} with File ID: PL096697.D met criteria except for Methoxychlor(1)-26% due to difference in result of MS and MSD.

The Blank Spike met requirements for all compounds.



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

The %RSD is greater than 20% in the Initial Calibration (Method PL072825.M) for Endrin aldehyde in 2nd column, this Compound is passing on Linear regression.

The Continuous Calibration File ID PD089774.D met the requirements except for Endrin aldehyde is failing in 2nd 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.

For samples # OU4-TS-GRILLO-OG4-073125 compound # gamma-Chlordane below Method detection limits, therefore it is not reported as Hit in Form-1.

Sample # OU4-TS-GRILLO-OG3-073125 was reported with J flag on form-1 for compound # gamma-Chlordane, based on reporting criteria of high concentration from both column, now for the other column compound detection is below MDL , therefore it is not detecting on Compound Detection Summary form .

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_____