



284 Sheffield Street, Mountainside, NJ 07092
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CASE NARRATIVE

Nobis Group

Project Name: Raymark Superfund Site

Project # N/A

Order ID # Q1984

Test Name: Pesticide-TCL

A. Number of Samples and Date of Receipt:

17 Solid samples were received on 05/08/2025.

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, VOCMS Group1 and VOCMS Group3. 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 um df; Catalog # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 um 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 met the acceptable criteria except for
OU4-TS-25-050725 [Decachlorobiphenyl(1) - 45%, Decachlorobiphenyl(2) - 34%],
OU4-TS-25-050725RE [Decachlorobiphenyl(1) - 53%, Decachlorobiphenyl(2) - 46%],
OU4-TS-26-050725 [Decachlorobiphenyl(1) - 35%, Decachlorobiphenyl(2) - 28%],
OU4-TS-26-050725RE [Decachlorobiphenyl(1) - 26%, Decachlorobiphenyl(2) - 28%],
OU4-TS-27-050725 [Decachlorobiphenyl(1) - 45%, Decachlorobiphenyl(2) - 36%],
OU4-TS-27-050725RE [Decachlorobiphenyl(1) - 36%, Decachlorobiphenyl(2) - 31%],
OU4-TS-28-050725 [Decachlorobiphenyl(1) - 37%, Decachlorobiphenyl(2) - 27%],
OU4-TS-28-050725RE [Decachlorobiphenyl(1) - 27% and Decachlorobiphenyl(2) - 26%]
All the failure samples in surrogates with both columns were reanalyzed to confirm the results as per method and reported in the data.

The Retention Times were acceptable for all samples.

The MS recoveries met the requirements for all compounds .

The MSD recoveries met the acceptable requirements .

The RPD met criteria .

The Blank Spike met requirements for all samples .



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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 PD088573.D met the requirements except for alpha-BHC is failing in 1st column but it is passing in 2nd column 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_____