



284 Sheffield Street, Mountainside, NJ 07092
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CASE NARRATIVE

Nobis Group

Project Name: Raymark Superfund Site

Project # N/A

Order ID # Q2638

Test Name: SVOCMS Group3

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: SVOCMS Group3. This data package contains results for SVOCMS Group3.

C. Analytical Techniques:

The samples were analyzed on instrument BNA_F using GC Column DB-UI 8270D which is 20 meters, 0.18 mm ID, 0.36 um df. The samples were analyzed on instrument BNA_P using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGA. The analysis of SVOCMS Group3 was based on method 8270E 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,

RT2286MS [Terphenyl-d14 - 44%],

RT2286MSD [Terphenyl-d14 - 43%],

OU4-TS-31-071725 [Terphenyl-d14 - 33%],

OU4-TS-32-071725 [Terphenyl-d14 - 33%],

OU4-TS-33-071725 [Terphenyl-d14 - 35%] and

OU4-TS-35-071725 [Terphenyl-d14 - 37%]. As per SOP one base surrogate allowed to fail, therefor no further corrective action was taken.

And,

OU4-TS-34-071725 [2-Fluorobiphenyl - 43%, Terphenyl-d14 - 31%],

OU4-TS-34-071725RE [2-Fluorobiphenyl - 43%, Terphenyl-d14 - 39%],

OU4-TS-36-071725 [2-Fluorobiphenyl - 40%, Terphenyl-d14 - 42%],

OU4-TS-36-071725RE [2-Fluorobiphenyl - 40%, Terphenyl-d14 - 40%],

OU4-TS-37-071725 [2-Fluorobiphenyl - 39%, Terphenyl-d14 - 40%] and

OU4-TS-37-071725RE [2-Fluorobiphenyl - 38%, Terphenyl-d14 - 40%]. Samples were re analyzed to confirm surrogate failure , Both the analysis reported for the Hardcopy.



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The Internal Standards Areas were met for all analysis.
The Retention Times were met for all analysis.

The MS {Q2635-01MS} with File ID: BF143180.D recoveries met the requirements for all compounds except for Benzo(b)fluoranthene[133%]. Recovery failed due to matrix interference, therefor no further corrective action was taken.

The MSD {Q2635-01MSD} with File ID: BF143181.D recoveries met the requirements for all compounds except for Benzo(b)fluoranthene[133%], Fluoranthene[133%]. Recovery failed due to matrix interference, therefor no further corrective action was taken.

The RPD were met for all analysis.
The Blank Spike met requirements for all compounds.
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements.
The Continuous Calibration met the requirements.
The Tuning criteria met requirements.

E. Additional Comments:

As per special requirement for this project form-1 are reported in mg/kg.
The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.
The not QT review data is reported in the Miscellaneous.
The soil samples results are based on a dry weight basis.
Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

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_____