



284 Sheffield Street, Mountainside, NJ 07092
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CASE NARRATIVE

Alliance Technical Group, LLC - Newark

Project Name: NJ Waste Water PT

Project # N/A

Chemtech Project # Q1502

Test Name: SVOCMS Group5

A. Number of Samples and Date of Receipt:

21 Water samples were received on 03/05/2025.

1 Water sample was received on 03/11/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Diesel Range Organics, Gasoline Range Organics, Herbicide group1, PCB, PESTICIDE Group1, PESTICIDE Group2, PESTICIDE Group3, SVOCMS Group1, SVOCMS Group2, SVOCMS Group3, SVOCMS Group4, SVOCMS Group5, SVOCMS Group6, VOCGC Group 1 and VOCMS Group1. This data package contains results for SVOCMS Group5.

C. Analytical Techniques:

The samples were analyzed on instrument BNA_N using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGAThe analysis of SVOCMS Group5 was based on method 8270-Modified and extraction was done based on method 3510.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria.

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The MS {Q1557-04MS} with File ID: BN036611.D recoveries met the requirements for all compounds except for Anthracene[128%], Benzo(a)pyrene[133%], Benzo(b)fluoranthene[128%], Benzo(k)fluoranthene[138%], Chrysene[128%] and Dibenz(a,h)anthracene[123%], due to matrix interference.

The MSD {Q1557-05MSD} with File ID: BN036612.D recoveries met the acceptable requirements except for Anthracene[133%], Benzo(a)pyrene[145%], Benzo(b)fluoranthene[135%], Benzo(k)fluoranthene[140%], Chrysene[138%], Dibenz(a,h)anthracene[133%], Indeno(1,2,3-cd)pyrene[138%] and Phenanthrene[133%], due to matrix interference.

The RPD met criteria .



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The Blank Spike met requirements for all samples .

The Blank Spike Duplicate 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 .

The Tuning criteria met requirements.

Sample RR-PAH-WP was diluted due to high concentration.

E. Additional Comments:

The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.

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_____