



284 Sheffield Street, Mountainside, NJ 07092
Phone: 908 789 8900 Fax: 908 789 8922

CASE NARRATIVE

AECOM Technical Services, Inc.

Project Name: NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258

Project # N/A

Chemtech Project # Q1531

Test Name: VOCMS Group1

A. Number of Samples and Date of Receipt:

21 Water samples were received on 03/07/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: SVOC-SIMGroup1 and VOCMS Group1. This data package contains results for VOCMS Group1.

C. Analytical Techniques:

The analysis performed on instrument MSVOA_X were done using GC column DB-624UI 20m 0.18mm 1.0 um. Cat#121-1324UI. The analysis of VOCMS Group1 was based on method 8260D.

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 {Q1531-08MS} with File ID: VX045207.D recoveries met the requirements for all compounds except for Trichloroethene[-80%] Due to sample matrix interference.

The MSD {Q1531-09MSD} with File ID: VX045208.D recoveries met the acceptable requirements except for Trichloroethene[40%] Due to sample matrix interference.

The RPD for {Q1531-09MSD} with File ID: VX045208.D met criteria except for Trichloroethene[600%] Due to difference in results of MS-MSD.

The sample#RE103D1-20250306MS and RE103D1-20250306MSD is failing for Trichloroethene and the original sample(RE103D1-20250306) is reported with M flag for this compound.

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.



284 Sheffield Street, Mountainside, NJ 07092
Phone: 908 789 8900 Fax: 908 789 8922

The Continuous Calibration met the requirements.

The Tuning criteria met requirements.

Samples RE122D2-20250305 was direct diluted due to sample past history of containing high amounts of compound Trichloroethene.

Samples RE122D1-20250305, RE126D2-20250306, DUP01-20250306, RE103D1-20250306, RE103D2-20250306, RE108D2-20250306, RE105D2-20250306, RE125D1-20250307, RE125D2-20250307 and RE104D2-20250307 were diluted due to high concentrations.

E. Additional Comments:

RE122D2-20250305, RE122D1-20250305, RE126D2-20250306, RE103D2-20250306DL have the concentration of target compound below Method detection limits, therefore it is not reported as Hit in Form1.

The not QT review data is reported in the Miscellaneous.

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 _____