CASE NARRATIVE

AECOM Technical Services, Inc.
Project Name: NAVFAC NWIRP Bethpage, NY Site 1 OU-2 - 32258
Project # N/A
Chemtech Project # Q1608
Test Name: VOCMS Group1

A. Number of Samples and Date of Receipt:
29 Water samples were received on 03/19/2025.

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#121-1324UIThe 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 except for RE139D2-20250317 [1,2-Dichloroethane-d4 - 119%] due to high concentration of compounds, this sample required dilution. Therefore, sample was reanalyzed with dilution and reported. and RE132D1-20250318MS [4-Bromofluorobenzene - 115%] parent sample is passing for surrogate, Therefore no corrective action taken.

The Internal Standards Areas met the acceptable requirements.
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 for {Q1608-13MSD} with File ID: VX045454.D met criteria except for Trichloroethene[22%] due to difference in results of MS and MSD.

The Blank Spike for {VX0325WBS02} with File ID: VX045436.D met requirements for all samples except for Methyl Acetate[147%] are failing high but no positive hit in associate sample therefore no corrective action taken.

The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements.

The Continuous Calibration File ID VX045375.D met the requirements except for cis-1,3-Dichloropropene,Methyl Acetate and t-1,3-Dichloropropene are failing high but no positive hit in associate sample therefore no corrective action taken.

The Continuous Calibration File ID VX045403.D met the requirements except for Methyl Acetate and t-1,3-Dichloropropene are failing high but no positive hit in associate sample therefore no corrective action taken.

The Continuous Calibration File ID VX045431.D met the requirements except for 1,1,2-Trichlorotrifluoroethane is failing marginally high and 2-Hexanone, cis-1,3-Dichloro propene, Methylcyclohexane and t- 1,3-Dichloropropene are failing high but no positive hit in associate sample therefore no corrective action taken while Dichlorodifluoromethane failing high and associate sample #14RE have positive hit but it is reanalysis due to carryover in first run therefore both run are reported.
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The Tuning criteria met requirements.

Samples RE139D1-20250317, RE139D2-20250317, DUP08-20250318, RE132D4-20250318, RE132D5-20250318, RE132D6-20250318, RE132D7-20250318 and TT101D2-20250319 were diluted due to high concentrations.

E. Additional Comments:
The Sample #RW11-MW01S-20250317 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.

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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_____