

CASE NARRATIVE

EA Engineering Science & Technology

Project Name: Scotia, NY - Annual Testing

Project # N/A

Chemtech Project # P4845

Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:

24 Water samples were received on 11/14/2024.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: VOC-TCLVOA-10. This data package contains results for VOC-TCLVOA-10.

C. Analytical Techniques:

The analysis performed on instrument MSVOA_N were done using GC column RXI-624SIL MS 30m 0.25mm 1.4 um. Cat#13868. The analysis of VOC-TCLVOA-10 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 recoveries met the requirements for all compounds .

The MSD recoveries met the acceptable requirements .

The RPD met criteria .

The Blank Spike for { VN1122WBS01 } with File ID: VN085014.D met requirements for all samples except for 1,1,2-Trichloroethane[120%] is 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 %RSD is greater than 20% in the Initial Calibration method (82N103024W.M) for Methyl Acetate, Acetone, Chloroethane, Chloromethane these compounds are passing on Linear Regression while, 1,4-Dichlorobenzene this compound is passing on Quadratic Regression.

The %RSD is greater than 20% in the Initial Calibration method (82N112224W.M) for Methyl Acetate this compound is passing on Linear Regression.

The Continuous Calibration File ID VN084884.D met the requirements except for Carbon Tetrachloride, Dibromochloromethane, o-Xylene, Trichlorofluoromethane and Chloroethane are failing high but no positive hit in associate sample therefore no corrective action taken.



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

The Continuous Calibration File ID VN084935.D met the requirements except for 1,2,4-Trichlorobenzene and Carbon Disulfide is failing marginally low therefore no corrective action taken.

The Continuous Calibration File ID VN084960.D met the requirements except for 2-Hexanone and 4-Methyl-2-Pentanone are failing high but no positive hit in associate sample therefore no corrective action taken.

The Continuous Calibration File ID VN085035.D met the requirements except for Acetone is failing marginally high therefore no corrective action taken.
The Tuning criteria met requirements.

Samples FSND-MW-27-20241112, FSND-MW-22R-20241112, FSND-MW-33-20241112, FSND-GEP-2-20241111 and FSND-MW-13-20241112 were diluted due to high concentrations.

E. Additional Comments:

The Sample #FSND-MW-35-20241112 , FSND-MW-9-20241111, FSND-MW-11R-20241112 , FSND-MW-18-20241112 have the concentration of target compound below Method detection limits, therefore it is not reported as Hit in Form1.

Trip Blank was not provided with this set of samples.

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_____