



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

CASE NARRATIVE

Tetra Tech NUS, Inc.

Project Name: CTO WE13

Project Manager: Ernie Wu

Chemtech Project # P5374

Test Name: VOCMS Group1

A. Number of Samples and Date of Receipt:

6 Water samples were received on 12/20/2024.

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 except for BP-VPB-190A-GW-748-750 [Toluene-d8 - 120%], BP-VPB-190A-GW-748-750MS [1,2-Dichloroethane-d4 - 79%], BP-VPB-190A-GW-748-750MSD [1 and 2-Dichloroethane-d4 - 80%] Surrogate failure for MS-MSD confirms with original sample.

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The MS {P5374-05MS} with File ID: VX044482.D recoveries met the requirements for all compounds except for Trichloroethene[140%] due to matrix interference.

The MSD {P5374-06MSD} with File ID: VX044483.D recoveries met the acceptable requirements except for Trichloroethene[160%] due to matrix interference.

The sample # BP-VPB-190A-GW-748-750MS and BP-VPB-190A-GW-748-750MSD is failing for Trichloroethene and the original sample(BP-VPB-190A-GW-748-750) is reported with M flag for this compound.

The RPD met criteria .

The Blank Spike met requirements for all samples .



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

The Blank analysis did not indicate the presence of lab contamination.

The %RSD is greater than 20% in the Initial Calibration method (82x121124w.M) for t-1,3-Dichloropropene, Dibromochloromethane, Bromoform These compounds are passing on Quadratic Regression.

The Continuous Calibration File ID VX044466.D met the requirements except for Methylcyclohexane and Tetrachloroethene failing high but no positive hit in associated samples therefore no corrective action taken.

The Tuning criteria met requirements.

E. Additional Comments:

The Sample #BP-VPB-190A-TB-20241218 , BP-VPB-190A-EB-20241218 have the concentration of target compound below Method detection limits, therefore it is not reported as Hit in Form1.

The laboratory certifies that the all-electronic diskette deliverable exactly match the data summary forms (i.e. Form Is)."

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_____