

CASE NARRATIVE

H2M Architects + Engineers

Project Name: NYDP2001 Quarterly Sampling 2024

Project # N/A

Chemtech Project # P2767

Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:

4 Water samples were received on 06/06/2024.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Anions Group1, Metals Group4, SVOC-TCL BNA -20 and VOC-TCLVOA-10. This data package contains results for VOC-TCLVOA-10.

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 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 RPD for { VX0610WBSD01 } with File ID: VX041801.D met criteria except for 1,1-Dichloroethene[21%], Chloroethane[23%] due to difference in results of BS and BSD.

The Blank Spike for { VX0610WBS01 } with File ID: VX041800.D met requirements for all samples except for 1,1,2-Trichlorotrifluoroethane[117%], 1,1-Dichloroethene[115%] are failing high but no positive hit in associate sample therefore no corrective action taken.

The Blank Spike Duplicate met requirements for all samples .

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

The %RSD is greater than 20% in the Initial Calibration method (82X052924W.M) for Acetone this compound is passing on Quadratic Regression.

The Continuous Calibration met the requirements .

The Tuning criteria met requirements.

Sample MW-3 was diluted due to high concentration.

E. Additional Comments:

Samples for MS/MSD for VOC analysis were not provided with this set of samples. The Blank Spike Duplicate is reported with the data.

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_____