

CASE NARRATIVE

TechLaw Consultants, Inc
Project Name: REAC Commodore
Project # N/A
Chemtech Project # Q1363
Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:

10 Water samples were received on 02/13/2025.

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_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 MS {Q1363-05MS} with File ID: VX044972.D recoveries met the requirements for all compounds except for Chloroethane[163%], due to matrix interference.

The MSD {Q1363-06MSD} with File ID: VX044973.D recoveries met the acceptable requirements except for 2-Hexanone[132%], Chloroethane[200%], due to matrix interference.

The RPD met criteria.

The Blank Spike for {VX0214WBS01} with File ID: VX044951.D met requirements for all samples except for 2-Hexanone[120%], is failing high but no positive hit in associate samples therefore no corrective action taken.

The Blank Spike for {VX0218WBS01} with File ID: VX044979.D met requirements for all samples except for Bromomethane[152%], Chloroethane[136%], 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.



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The %RSD is greater than 20% in the Initial Calibration method (82X021025W.M) for Chloroethane is passing on Quadratic Regression.

The Continuous Calibration File ID VX044948.D met the requirements except for Chloroethane, is failing high but no positive hit in associate samples therefore no corrective action taken.

The Continuous Calibration File ID VX044976.D met the requirements except for Bromomethane and Chloroethane, are failing high but no positive hit in associate sample therefore no corrective action taken.

The Tuning criteria met requirements.

E. Additional Comments:

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_____