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CASE NARRATIVE

TechLaw Consultants, Inc
Project Name: REAC Commodore
Project # N/A
Chemtech Project # Q1405
Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:

11 Water samples were received on 02/21/2025.

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_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 RPD met criteria .

The Blank Spike Duplicate for { VN0221WBSD01 } with File ID: VN085806.D met requirements for all samples except for 1,2-Dibromoethane[113%], 2-Hexanone[130%], 4-Methyl-2-Pentanone[120%], Bromoform[112%] and Dibromochloromethane[112%] are failing high but no positive hit in associate samples therefore no corrective action taken.

The Blank Spike for { VN0224WBS01 } with File ID: VN085832.D met requirements for all samples except for 2-Hexanone[120%], 4-Methyl-2-Pentanone[120%], Bromochloromethane[125%] and Bromoform[111%] 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 %RSD is greater than 20% in the Initial Calibration method (82N021825W.M) Styrene, this compound is passing on Quadratic Regression.



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The Continuous Calibration File ID VN085802.D met the requirements except for 4-Bromofluorobenzene failing high which is not our target compound, therefore no corrective action taken.

The Continuous Calibration File ID VN085829.D met the requirements except for 2-Hexanone, 4-Methyl-2-Pentanone, are failing high but no positive hit in associate sample therefore no corrective action taken and 4- Bromofluorobenzene failing high which is not our target compound, therefore no corrective action taken.

The Tuning criteria met requirements.

Sample MW-04-021325 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_____