

CASE NARRATIVE

Tetra Tech NUS, Inc.

Project Name: NWIRP Bethpage 112G08005-WE13

Project Manager# Ernie Wu

Order ID # Q3248

Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:

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

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 were met for all analysis.

The Internal Standards Areas were met for all analysis.

The Retention Times were met for all analysis.

The MS {Q3248-09MS} with File ID: VX048005.D recoveries met the requirements for all compounds except for 1,2,4-Trichlorobenzene[68%], 1,2-Dichlorobenzene[75%], 1,3-Dichlorobenzene[73%] and 1,4-Dichlorobenzene[73%] due to matrix interference.

The MSD recoveries met the requirements for all compounds.

The sample # BP-VPB-184-GW-685-687MS is failing for 1,2,4-Trichlorobenzene, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene and 1,4-Dichlorobenzene therefore the original sample(BP-VPB-184-GW-685-687) is reported with M flag for this compounds.

The RPD for {Q3248-10MSD} with File ID: VX048006.D met criteria except for 1,1,2,2-Tetrachloroethane[29%], 1,2,3-Trichlorobenzene[32%], 1,2,4-Trichlorobenzene[31%], 1,2-Dibromo-3-Chloropropane[31%], 1,2-Dibromoethane[23%], 1,2-Dichlorobenzene[31%], 1,3-Dichlorobenzene[32%], 1,4-Dichlorobenzene[30%], Bromodichloromethane[21%], Bromoform[28%], Chlorobenzene[26%], cis-1,3-Dichloropropene[21%], Ethyl Benzene[26%], Isopropylbenzene[30%], m/p-Xylenes[30%], o-Xylene[27%], Styrene[27%], t-1,3-Dichloropropene[22%], Tetrachloroethene[24%] and Toluene[21%] due to difference in results of MS and MSD.

The Blank Spike met requirements for all compounds.

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



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The Initial Calibration met the requirements.
The Continuous Calibration met the requirements.
The Tuning criteria met requirements.

E. Additional Comments:

The not QT review data is reported in the Miscellaneous.

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

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_____