

CASE NARRATIVE

Tetra Tech NUS, Inc.

Project Name: CTO WE13

Project Manager: Ernie Wu

Chemtech Project # P4549

Test Name: PCB

A. Number of Samples and Date of Receipt:

4 Water samples were received on 10/24/2024.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Mercury, Metals ICP-TAL, METALS-TAL, PCB, pH and VOCMS Group4. This data package contains results for PCB.

C. Analytical Techniques:

The analyses were performed on instrument GCECD_O. The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0.5 um df, Catalogue # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 µm; Catalogue # 7HM-G017-11. The analysis of PCBs was based on method 8082A and extraction was done based on method 3510.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria except for TT-067-IDWGW-20241024 [Decachlorobiphenyl(1) - 34%, Decachlorobiphenyl(2) - 32%], TT-067-IDWGW-20241024RE [Decachlorobiphenyl(1) - 39%, Decachlorobiphenyl(2) - 37%], TT-068-IDWGW-20241024 [Decachlorobiphenyl(1) - 29%, Decachlorobiphenyl(2) - 28%], TT-068-IDWGW-20241024RE [Decachlorobiphenyl(1) - 33%, Decachlorobiphenyl(2) - 32%], TT-069-IDWGW-20241024 [Decachlorobiphenyl(1) - 30%, Decachlorobiphenyl(2) - 28%], TT-069-IDWGW-20241024RE [Decachlorobiphenyl(1) - 34% and Decachlorobiphenyl(2) - 32%], All the failure samples in surrogates with both columns were reanalyzed to confirm the results as per method and reported in the data.

The Retention Times were acceptable for all samples.

The RPD met criteria .

The Blank Spike met requirements for all samples .

The Blank Spike Duplicate met requirements for all samples .

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

The Initial Calibration met the requirements .



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

The Continuous Calibration met the requirements .

E. Additional Comments:

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.

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_____