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CASE NARRATIVE

G Environmental

Project Name: Power

Project # N/A

Chemtech Project # Q1331

Test Name: SVOC-TCL BNA -20

A. Number of Samples and Date of Receipt:

1 Water sample was received on 02/07/2025.

B. Parameters

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

C. Analytical Techniques:

The samples were analyzed on instrument BNA_F using GC Column DB-UI 8270D which is 20 meters, 0.18 mm ID, 0.36 um df The analysis of SVOC-TCL BNA -20 was based on method 8270E 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.

The Internal Standards Areas met the acceptable requirements except for MW1R, MW1RDL Due to high concentration of compounds and Internal Standard fail for this sample, Therefore, sample was reanalyzed with dilution and reported.

The Retention Times were acceptable for all samples.

The RPD met criteria .

The Blank Spike for {PB166641BS} with File ID: BF141555.D met requirements for all samples except for 3,3-Dichlorobenzidine[59%], 3-Nitroaniline[54%] and 4-Chloroaniline[48%], The associate samples have no positive hit for these compounds therefore no corrective action was taken.

The Blank Spike Duplicate for {PB166641BSD} with File ID: BF141556.D met requirements for all samples except for 3,3-Dichlorobenzidine[58%], 3-Nitroaniline[53%] and 4-Chloroaniline[46%], The associate samples have no positive hit for these compounds therefore no corrective action was taken.

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

The Initial Calibration met the requirements



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The Continuous Calibration File ID BF141603.D met the requirements except for Benzaldehyde, The associate samples have no positive hit for these compounds therefore no corrective action was taken.

The Continuous Calibration File ID BF141639.D met the requirements except for Benzaldehyde, Bis(2-ethylhexyl)phthalate and Di-n-octyl phthalate, The associate samples have no positive hit for these compounds therefore no corrective action was taken.

The Tuning criteria met requirements.

Sample MW1R was diluted due to high concentration.

E. Additional Comments:

The time of sampling were not listed in the COC.

The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.

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 <15% 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 > 15% 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_____