

CASE NARRATIVE

G Environmental

Project Name: TGP

Project # N/A

Chemtech Project # Q1690

Test Name: SVOC-TCL BNA -20

A. Number of Samples and Date of Receipt:

1 Water sample was received on 04/01/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Mercury, Metals ICP-TAL, METALS-TAL, SVOC-SIMGroup1, 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_G using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGAThe 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 except for PB167451BL [2,4,6-Tribromophenol - 112%], PB167451BS [2,4,6-Tribromophenol - 125%], PB167451BSD [2,4,6-Tribromophenol - 124%], this compound did not meet the NJDKQP criteria but met the in-house criteria, while MW112010 [2,4,6-Tribromophenol - 0%, 2-Fluorophenol - 0% and Phenol-d6 - 0%], these compounds did not meet the NJDKQP criteria and in-house criteria, but matrix interference Due to the limited volume availability of this sample it can not be re-extracted and re-analyzing the sample of surrogate failure therefore no corrective action was taken.

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The RPD met criteria .

The Blank Spike for {PB167451BS} with File ID: BG064175.D met requirements for all samples except for 3,3-Dichlorobenzidine[54%], 3-Nitroaniline[44%], and 4-Chloroaniline[25%],these compounds did not meet the NJDKQP criteria but met the in-house criteria, while Hexachlorocyclopentadiene[250%], 2,4-Dimethylphenol[165%], 4,6-Dinitro-2-methylphenol[137%], Atrazine[143%], these compounds did not meet the



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NJDKQP criteria and in-house criteria, The associate samples have no positive hit for these compounds therefore no corrective action was taken.

The Blank Spike Duplicate met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.

The % RSD is greater than 20% in the Initial Calibration (8270-BG030525.M) for 2,6-Dinitrotoluene, 2,4-Dinitrophenol, 2,4-Dinitrotoluene, 4,6-Dinitro-2-methylphenol, Butylbenzylphthalate, these compounds are passing on Linear Regression and 2-Nitrophenol, 2-Nitroaniline, are passing on Quadratic regression.

The Continuous Calibration File ID BG064164.D met the requirements except for 2,4-Dinitrophenol, 2-Nitrophenol, 4,6-Dinitro-2-methylphenol and Hexachlorocyclopentadiene, The associate samples have no positive hit for these compounds therefore no corrective action was taken.

The Tuning criteria met requirements.

E. Additional Comments:

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 <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_____