

CASE NARRATIVE

Environmental Restoration, LLC

Project Name: Cooper Chemical - Long Valley NJ 2-COOP-ANS

Project # N/A

Order ID # Q2594

Test Name: SVOC-TCL BNA -20

A. Number of Samples and Date of Receipt:

1 Water sample was received on 07/14/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: SVOC-TCL BNA -20. 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 625.1 and extraction was done based on method 3510.

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 RPD were met for all analysis.

The Blank Spike for met requirements for all compounds except for 4-Chloroaniline[38%], 3-Nitroaniline[59%] and 3,3-Dichlorobenzidine [50%]. This compound did not meet the NJDKQP criteria but met the in-house criteria.

The Blank Spike Duplicate for met requirements for all compounds except for 4-Chloroaniline[39%], 3-Nitroaniline[60%] and 3,3-Dichlorobenzidine [50%]. This compound did not meet the NJDKQP criteria but met the in-house criteria.

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

The %RSD is greater than 20% for certain compounds in the Initial Calibration (Method 8270-BF071725.M) for 2,4-Dinitrophenol, 4,6-Dinitro-2-methylphenol this Compound is passing on Linear Regression.

The Continuous Calibration met the requirements.

The Tuning criteria met requirements.



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E. Additional Comments:

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

“As per method, MS/MSD is required to be performed with the sample analysis. However, Lab did not receive sufficient volume to perform the MS/MSD therefore MS/MSD were not performed for this project. However, Lab has performed LCS/LCSD instead.”

The temperature of the samples at the time of receipt was 24.2°C, Lab notified this issue to the client. See the communication in shipping Document section.

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 <35% 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 > 35% 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_____