



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

CASE NARRATIVE

Remington & Vernick Engineers

Project Name: 169 Bridgeton Pike Mullica Hill, NJ # 0800X062

Project # N/A

Chemtech Project # O2505

Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:

7 Solid samples were received on 04/26/2023.

B. Parameters

According to the Chain of Custody document, the following analyses were requested:

EPH, EPH_NF, Metals Group3, PCB, SVOC-TCL BNA -20 and 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 performed on instrument MSVOA_Y were done using GC column Rxi-624Sil MS, which is 30 meters, 0.25 mm id, 1.4 um df, Restek Cat. #13868. The Trap was supplied by Supelco, VOCARB 3000, ATOMAX XYZ Concentrator. 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 met the acceptable criteria except for

WO-4 [4-Bromofluorobenzene - 60%],

WO-4RE [4-Bromofluorobenzene - 62%] and

WO-5 [4-Bromofluorobenzene - 57%] these surrogates did not meet the NJDKQP criteria but met the in-house criteria .

The Internal Standards Areas met the acceptable requirements except for WO-4, WO-4RE, sample was reanalyzed to confirm the failure and reported while for WO-5, Due to high concentration of compounds, this sample required dilution. Therefore, sample was reanalyzed with dilution and reported.

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.



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The %RSD is greater than 15% in the Initial Calibration method (82Y042423S.M) for Methylene Chloride this compound is passing on Linear Regression.

The Continuous Calibration File ID VX035577.D met the requirements except for 1,2-Dibromo-3-Chloropropane, Bromodichloromethane, Bromoform, cis-1,3-Dichloropropene, Dibromochloromethane, Styrene and t-1,3-Dichloropropene are failing high but no positive hit in associate sample therefore no corrective action taken.

The Tuning criteria met requirements.

Sample WO-5 was diluted due to high concentration.

E. Additional Comments:

The Sample #WO-4RE, WO-5ME have the concentration of target compound below Method detection limits, therefore it is not reported as Hit in Form1.

Sample #WO-5ME not match with low level soil analysis for Methyl Acetate as sample received as teracore vials therefore no corrective action taken.

Samples for MS/MSD for VOC analysis were not provided with this set of samples. The Blank Spike Duplicate is reported with the data.

Trip Blank was not provided with this set of samples.

The soil samples results are based on a dry weight basis.

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 <15/20% 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 > 15/20% 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_____