



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

CASE NARRATIVE

LaBella Associates P.C.

Project Name: 613 Pine Avenue

Project # N/A

Chemtech Project # 03631

Test Name: VOCMS Group1

A. Number of Samples and Date of Receipt:

9 Solid samples were received on 07/14/2023.

1 Water sample was received on 07/14/2023.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: VOCMS Group1. This data package contains results for VOCMS Group1.

C. Analytical Techniques:

The analysis performed on instrument MSVOA_N were done using GC column RXI-624SIL MS 30m 0.25mm 1.4 um. Cat#13868. 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 VOCMS Group1 was based on method 8260D.

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 SB-02(2-4)MS.

No internal standard failed in MSD therefore no corrective action was taken.

The Retention Times were acceptable for all samples.

The MS {O3631-02MS} with File ID: VY014684.D recoveries met the requirements for all compounds except for 1,1,2-Trichloroethane[63%], 1,2-Dibromoethane[57%], 2-Butanone[34%], 2-Hexanone[38%], 4-Methyl-2-Pentanone[46%], Acetone[32%] and Bromoform[63%] due to matrix interference.

The MSD {O3631-03MSD} with File ID: VY014685.D recoveries met the acceptable requirements except for Methyl Acetate[178%] due to matrix interference .

The RPD for {O3631-03MSD} with File ID: VY014685.D met criteria except for 1,1,2,2-Tetrachloroethane[56%], 1,1,2-Trichloroethane[54%], 1,2,3-Trichlorobenzene [31%], 1,2-Dibromo-3-Chloropropane[79%], 1,2-Dibromoethane[60%], 1,2-Dichloroethane [43%], 1,2-Dichloropropane[24%], 2-Butanone[98%], 2-Hexanone[89%], 4-Methyl-2-Pentanone[81%], Acetone[95%], Bromochloromethane



284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922
[41%], Bromodichloromethane[28%], Bromoform[57%], Chloroform[21%], cis-1,2-Dichloroethene[21%], cis-1,3-Dichloropropene[30%], Dibromochloromethane[46%], Methyl Acetate[84%], Methyl tert-butyl Ether[55%], Methylene Chloride[46%] and t-1,3-Dichloropropene[42%] . Due to difference in MS and MSD results.

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 %RSD is greater than 15% in the Initial Calibration method (82N071023S.M) for Bromomethane, Chloroethane, Methylene Chloride, 1,1,2,2-Tetrachloroethane, 1,2-Dibromo-3-Chloropropane, these compounds are passing on Linear Regression.

The % RSD is greater than 15% in the Initial Calibration method (82Y071323S.M) for Methylene Chloride, this compound is passing on Linear Regression.

The Continuous Calibration File ID VY014663.D met the requirements except for 2-Butanone,2-Hexanone and Methyl Acetate . But associated samples have not positive hit for these compounds therefore no corrective action was taken.

The Tuning criteria met requirements.

E. Additional Comments:

This data Package has been revised to report TICs as per client request.

This data package has been revised due to data package type changed as per client request.

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% 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_____