



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

CASE NARRATIVE

LaBella Associates P.C.

Project Name: Mackenna Parcels

Project # N/A

Chemtech Project # 03645

Test Name: VOCMS Group1

A. Number of Samples and Date of Receipt:

9 Solid samples were received on 07/17/2023.

1 Water sample was received on 07/17/2023.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Mercury, Metals ICP-RCRA, METALS RCRA, PCB Group1, SVOCMS Group1 and VOCMS Group1. This data package contains results for VOCMS Group1.

C. Analytical Techniques:

The analysis performed on instrument MSVOA_D were done using GC column RTX-VMS which is 20 meters, 0.18 mm id, 1.0 um df, Restek Cat. #49914. The Trap was supplied by SUPELCO, K (VOACARB 3000) , TEKMAR LSC-2000 Concentrator. 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 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.

The Retention Times were acceptable for all samples.

The MS recoveries met the requirements for all compounds .

The MSD recoveries met the acceptable requirements .

The RPD for {O3645-10MSD} with File ID: VD076763.D met criteria except for 1,2,3-Trichlorobenzene[21%], 1,2,4-Trichlorobenzene[21%], Bromodichloromethane[21%], Bromoform[22%], Bromomethane[23%], cis-1,2-Dichloroethene[21%] and Methyl tert-butyl Ether[22%] due to difference in results of MS-MSD.

The RPD for {VN0718WBSD02} with File ID: VN078556.D met criteria except for 1,2-Dibromoethane[23%], 2-Hexanone[40%], Dibromochloromethane[30%], o-Xylene[22%], Styrene[24%] and Tetrachloroethene[40%] due to difference in results of BS-BSD.

The Blank Spike met requirements for all samples .



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The Blank Spike Duplicate for {VN0718WBSD02} with File ID: VN078556.D met requirements for all samples except for 1,1,1-Trichloroethane[109%], 1,1,2-Trichloroethane[129%], 1,2-Dibromoethane[127%], 1,2-Dichloropropane[112%], 2-Hexanone[150%], Bromoform[117%], Chloromethane[117%], cis-1,3-Dichloropropene[113%], Dibromochloromethane[138%], Ethyl Benzene[110%], m/p-Xylenes[113%], o-Xylene[111%], Styrene[116%], t-1,3-Dichloropropene[121%] and Tetrachloroethene[132%] failing high but no positive hit in associated sample therefore no corrective action taken.

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

The %RSD is greater than 20% in the Initial Calibration method (82D071423S.M) for Methylene Chloride, this compound is passing on Linear Regression.

The %RSD is greater than 15% in the Initial Calibration method (82N071023W.M) for Bromomethane, Chloroethane, Methylene Chloride, 1,1,2,2-Tetrachloroethane, 1,2-Dibromo-3-Chloropropane, these compounds are passing on Linear Regression.

The Continuous Calibration File ID VN078550.D met the requirements except for Carbon Disulfide failing marginally low therefore no corrective action taken.

The Tuning criteria met requirements.

E. Additional Comments:

The Samples #SB-02-(3-5), SB-08-(10.5-2.0), SB-10-(0.5-2.0), DUP have the concentration of Carbon Disulfide, while sample #SB-04-(1-5) have the concentration of Carbon Disulfide and Methylcyclohexane below Method detection limits, therefore it is not reported as Hit in Form1.

The temperature of the samples at the time of receipt was 24.3°C.

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



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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_____