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CASE NARRATIVE

BAPS North Bergen

Project Name: BAPS North Bergen

Project # N/A

Chemtech Project # P4822

Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:

12 Solid samples were received on 11/12/2024.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Cyanide, EPH, Mercury, Metals ICP-TAL, PCB, Pesticide-TCL, SVOC-TCL BNA -20, TCL+30/TAL and VOC-TCLVOA-10. This data package contains results for VOC-TCLVOA-10.

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_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 SOIL-4 [4-Bromofluorobenzene - 57%], SOIL-4RE [4-Bromofluorobenzene - 58%], SOIL-5 [Dibromofluoromethane - 131%] and VY1113SBS02 [4-Bromofluorobenzene - 145%].

These compounds did not meet the NJDKQP criteria but met the in-house criteria .

The Internal Standards Areas met the acceptable requirements except for SOIL-3, SOIL-3RE, SOIL-4 and SOIL-4RE. Samples reanalyzed to confirm results, Original and Reanalysis are reported.

The Retention Times were acceptable for all samples.

The RPD met criteria .

The Blank Spike for { VY1113SBS02 } with File ID: VY020294.D met requirements for all samples except for 1,1,2-Trichloroethane[150%], 1,2-Dichloroethane[143%], 1,2-Dichloropropane[134%], Benzene[133%], Bromodichloromethane[133%], Bromoform[162%], Carbon Tetrachloride[140%], cis-1,3-Dichloropropene[137%], Dibromochloromethane[136%], m/p-Xylenes[139%], o-Xylene[139%], Styrene[140%] and Tetrachloroethene[146%] . These compounds did not meet the NJDKQP criteria and

in-house criteria. But associated samples havenot 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 method (82D111524S.M) for Bromomethane this compound is passing on Quadratic Regression.

The Continuous Calibration File ID VD080038.D met the requirements except for cis-1,3-Dichloropropene . But associated samples have not positive hit for this compound therefore no corrective action was taken.

The Continuous Calibration File ID VY020276.D met the requirements except for 1,2-Dichlorobenzene,Acetone and Bromomethane . But associated samples have not positive hit for these compounds therefore no corrective action was taken.

The Tuning criteria met requirements.

E. Additional Comments:

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 <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_____