Alliance TECHNICAL GROUP

CASE NARRATIVE

ENTACT
Project Name: North Point
Project # N/A
Chemtech Project # P4103
Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:
18 Solid samples were received on 09/18/2024.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: ASTM Ammonia, ASTM COD, ASTM Leach Extraction, ASTM Oil and Grease, ASTM TS, Corrosivity, Cyanide, Diesel Range Organics, EPH, Gasoline Range Organics, Hexavalent Chromium, Ignitability, Mercury, Metals Group1, Metals ICP-Group1, Paint Filter, PCB, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, SVOC-TCL BNA -20, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP ICP Metals, TCLP Mercury, TCLP Pesticide, TCLP VOA, TCLP ZHE Extraction, TCLP-FULL, TCLPMetals Group2, TS, TVS 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#121-1324UIThe 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 WC-14-5-7.5B [4-Bromofluorobenzene - 159%, Toluene-d8 - 237%], Due to high concentration of compounds, this sample required dilution. Therefore, sample was reanalyzed with dilution and reported.

The Internal Standards Areas met the acceptable requirements except for WC-14-5-7.5B and WC-23 Due to high concentration of compounds, this sample required dilution. Therefore, sample was reanalyzed with dilution and reported , while for WC-14-7.5-10B, VIAL A analyzed for this sample but did not purge as corrective action sample reanalyzed with VIAL B where Internal Std fail therefore Lab reported VIAL B as final analysis.

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.

The %RSD is greater than 15% in the Initial Calibration method (82Y090924S.M) for Dichlorodifluoromethane this compound is passing on Linear Regression.

The Continuous Calibration File ID VY019635.D met the requirements except for Bromomethane and Chloroethane are failing high but no positive hit in associate sample therefore no corrective action taken.

The Continuous Calibration File ID VY019658.D met the requirements except for 1,2-Dichloropropane is failing high but no positive hit in associate sample therefore no corrective action taken.

The Tuning criteria met requirements.

Samples WC-14-5-7.5B, WC-23 were diluted due to high concentrations.

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 <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_____