CASE NARRATIVE

ENTACT
Project Name: North Point
Project # N/A
Chemtech Project # P4103
Test Name: SVOC-TCL BNA -20

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 SVOC-TCL BNA -20.

C. Analytical Techniques:
The samples were analyzed on instrument BNA_F using GC Column DB-UI 8270D which is 20 meters, 0.18 mm ID, 0.36 um df The samples were analyzed on instrument BNA_M using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGAThe analysis of SVOC-TCL BNA -20 was based on method 8270E and extraction was done based on method 3541.

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 {P4103-13MS} with File ID: BM047578.D recoveries met the requirements for all compounds except for 3-Nitroaniline[58%], 4-Chloroaniline[30%], Di-n-octyl phthalate[142%], these compounds did not meet the NJDKQP criteria but met the in-house criteria, while Hexachlorocyclopentadiene[184%], this compound did not meet the NJDKQP criteria and in-house criteria, due to matrix interference no corrective action is required.

The MSD {P4103-13MSD} with File ID: BM047579.D recoveries met the acceptable requirements except for 3-Nitroaniline[58%], 4-Chloroaniline[33%], Di-n-octyl

phthalate[147%], these compounds did not meet the NJDKQP criteria but met the in-house criteria, while Hexachlorocyclopentadiene[182%], this compound did not meet the NJDKQP criteria and in-house criteria, due to matrix interference no corrective action is required.

The RPD met criteria .
The Blank Spike for {PB163525BS} with File ID: BM047576.D met requirements for all samples except for 3,3-Dichlorobenzidine[65%], 3-Nitroaniline[48%], 4-Chloroaniline[32%] and Hexachlorocyclopentadiene[164%], these compounds did not meet the NJDKQP criteria but met the in-house criteria.

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

The % RSD is greater than 20% in the Initial Calibration (8270-BM091424.M) for 4,6-Dinitro-2-methylphenol, these compounds are passing on Linear Regression and 2,4-Dinitrophenol, is passing on Quadratic regression

The Continuous Calibration File ID BM047566.D met the requirements except for 3,3-Dichlorobenzidine,Bis(2-ethylhexyl)phthalate,Butylbenzylphthalate and Di-n-octyl phthalate, The associate samples have no positive hit for these compounds therefore no corrective action was taken.

The Tuning criteria met requirements.

E. Additional Comments:
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_____