CASE NARRATIVE

PARSONS Main of New York, Inc.
Project Name: Con Ed Non-MGP - East River SI 453648
Project # N/A
Chemtech Project # P5362
Test Name: SVOC-TCL BNA -20

A. Number of Samples and Date of Receipt:
2 Solid samples were received on 12/19/2024.

B. Parameters
According to the Chain of Custody document, the following analyses were requested:
Corrosivity, Ignitability, Mercury, Metals ICP-TAL, METALS-TAL, PCB, pH, RCRA
CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, SVOC-TCL BNA -20,
TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP ICP Metals, TCLP Mercury,
TCLP METALS, TCLP Pesticide, TCLP VOA, TCLP ZHE Extraction, TPH GC 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 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 except for PB165814BL
[Nitrobenzene-d5 - 109%], PB165814BS [Nitrobenzene-d5 - 117%], marginally high
therefore no corrective action taken.

The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.

The MS {P5362-01MS} with File ID: BF141002.D recoveries met the requirements for
all compounds except for Atrazine[128%], due to matrix interference, no corrective
action needed.

The MSD {P5362-01MSD} with File ID: BF141003.D recoveries met the acceptable
requirements except for Atrazine[128%], due to matrix interference, no corrective action
needed.

The RPD met criteria .

The Blank Spike for {PB165814BS} with File ID: BF140990.D met requirements for all samples except for 2,2-oxybis(1-Chloropropane)[106%], 2,3,4,6-Tetrachlorophenol [112%], 2,4,5-Trichlorophenol[100%], 2,4,6-Trichlorophenol[106%], 2,4-Dinitrotoluene [118%], 2,6-Dinitrotoluene[106%], 2-Nitroaniline[112%], 2-Nitrophenol[112%], 4,6-Dinitro-2-methylphenol [118%], 4-Bromophenyl-phenylether[106%], 4-Nitroaniline [106%], 4-Nitrophenol [121%], Acenaphthene[106%], Acenaphthylene [106%], Anthracene [106%], Benzo(a)pyrene [112%], Benzo(k)fluoranthene [118%], Butylbenzylphthalate [106%], Carbazole[100%], Dibenzofuran[100%], Dimethylphthalate [100%], Hexachlorobenzene[100%], Hexachlorocyclopentadiene [185%], Indeno(1,2,3-cd)pyrene[112%], Isophorone[100%], Nitrobenzene[106%], N-Nitroso-di-n-propylamine[100%], N-Nitrosodiphenylamine[100%] and Pentachlorophenol[106%],The associate samples have no positive hit for these compounds therefore no corrective action was taken.

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

The % RSD is greater than 20% in the Initial Calibration (8270-BF122624.M) for Benzaldehyde, 2-Nitrophenol, Benzoic acid, 2-Nitroaniline, 2,6-Dinitrotoluene, 3-Nitroaniline, 2,4-Dinitrotoluene, 4-Nitroaniline, 4,6-Dinitro-2-methylphenol, these compounds are passing on Linear Regression and 2,4-Dinitrophenol, is passing on Quadratic regression.

The Continuous Calibration met the requirements .
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 <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_____