CASE NARRATIVE

Walsh Construction Company II, LLC
Project Name: Walsh CO-032 Sampling
Project # N/A
Chemtech Project # Q1907
Test Name: SVOC-TCL BNA -20

A. Number of Samples and Date of Receipt:
2 Solid samples were received on 04/28/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Ammonia, COD, Corrosivity, Cyanide, EPH_NF, Gasoline Range Organics, Herbicide, Hexavalent Chromium, Ignitability, Mercury, Metals ICP-TAL, METALS TAL+CN, Oil and Grease, Paint Filter, PCB, Pesticide-TCL, 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, TCLP-FULL, TPH GC, 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_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 {Q1914-10MS} with File ID: BM050083.D recoveries met the requirements for all compounds except for 1,1-Biphenyl[51%], 2,2-oxybis(1-Chloropropane)[61%], 2,4-Dichlorophenol[128%], 2-Methylnaphthalene[-6%], 2-Nitroaniline[67%], 3,3-Dichlorobenzidine[12%], 4-Nitroaniline[54%], Acenaphthene[67%], Acenaphthylene[72%], Acetophenone[333%], Caprolactam[161%], Dimethylphthalate[67%], Di-n-butylphthalate[64%], Hexachlorobutadiene[128%], Hexachloroethane[283%], Isophorone[156%], Naphthalene[67%] and Nitrobenzene[128%] due to matrix interference.
The MSD {Q1914-11MSD} with File ID: BM050084.D recoveries met the acceptable requirements except for 1,1-Biphenyl[56%], 2,2-oxybis(1-Chloropropane)[61%], 2,4-Dichlorophenol[139%], 2-Methylnaphthalene[6%], 3,3-Dichlorobenzidine[12%], Acenaphthylene[78%], Acetophenone[350%], bis(2-Ethylhexyl)phthalate[41%],

Caprolactam[156%], Di-n-butylphthalate[64%], Hexachlorobutadiene[139%], Hexachloroethane[289%], Isophorone[161%] and Nitrobenzene[139%] due to matrix interference.

The RPD met criteria .

The Blank Spike for {PB167803BS} with File ID: BM050081.D met requirements for all samples except for 3,3-Dichlorobenzidine[39%] but associated samples have not 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-BM042825.M) for 2,4-Dinitrophenol and 4-Nitrophenol, these compound are passing on Linear Regression.

The Continuous Calibration met the requirements .

The Tuning criteria met requirements.

Samples CO-8R-WC was reported with straight 5X dilution due to concentrated and viscous matrix.

Sample CO-8R-WC was diluted due to high concentration.

E. Additional Comments:

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.

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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_____