

CASE NARRATIVE

New Jersey Turnpike Authority**Project Name: NJTA- Walt Whitman SA 3S****Project # N/A****Chemtech Project # M5011****Test Name: EPH****A. Number of Samples and Date of Receipt:**

17 Solid samples were received on 12/09/2021.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: EPH, Metals Group3, SVOCMS Group2 and VOC-TCLVOA-10. This data package contains results for EPH.

C. Analytical Techniques:

The analysis were performed on instrument FID_C. The column is RXI-1MS which is 20 meters, 0.18mm ID, 0.18 um df, catalog 10224. The analyses were performed on instrument FID_D. The column is RXI-1MS which is 20 meters, 0.18mm ID, 0.18 um df, catalog 10224. The analysis were performed on instrument FID_F. The column is RXI-1MS which is 20 meters, 0.18mm ID, 0.18 um df, catalog 13302. The analysis of EPHs was based on method NJEPH 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 PB141625BS [1-chlorooctadecane (SURR) - 39%]. However recovery for compounds are passing. Then lab use this run as final run.

The Retention Times were acceptable for all samples.

The MS {M5011-20MS} with File ID: FC057511.D recoveries met the requirements for all compounds except for Aliphatic C9-C12[38%], Aliphatic C28-C40[157%] due to sample matrix interference.

The MSD recoveries met the acceptable requirements.

The RPD for {M5011-20MSD} with File ID: FC057512.D met criteria except for Aliphatic C28-C40[40.6%] due to sample matrix interference.

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 Initial Calibration met the requirements.

The Continuous Calibration met the requirements.



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Sample HSB-4-(9.5-10),HSB-5-(11.5-12),HSB-5-(9-9.5),HSB-7-(11-11.5),HSB-8-(10-10.5),HSB-8-(10-10.5)DL,HSB-9-(7-7.5),HSB-9-(7-7.5)DL were diluted due to high concentration for Aliphatic compounds.

Sample HSB-5-(11.5-12),HSB-5-(9-9.5),HSB-7-(11-11.5),HSB-8-(10-10.5),HSB-9-(7-7.5) were diluted due to high concentration for Aromatic compounds.

E. Additional Comments:

The soil samples results are based on a dry weight basis.

Sam#HSB-4-(12.5-13), Sam#HSB-4-(12.5-13), HSB-7-(12-12.5) not active. so
Sam#HSB-4-(12.5-13), HSB-7-(12-12.5) MS/MSD not analysis and not reported in hard copy.

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_____