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CASE NARRATIVE

Alliance Technical Group, LLC - Newark

Project Name: NJ Soil PT

Project # N/A

Order ID # Q1872

Test Name: EPH

A. Number of Samples and Date of Receipt:

24 Solid samples were received on 04/24/2025.

1 Solid sample was received on 04/28/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: Ammonia, Anions Group1, Anions Group2, Corrosivity, Cyanide, Diesel Range Organics, EPH, Flash Point, Gasoline Range Organics, Herbicide Group1, Hexavalent Chromium, Mercury, Metals Group3, Metals ICP-Group1, Oil and Grease, PCB, PESTICIDE Group1, PESTICIDE Group2, PESTICIDE Group3, Phosphorus, Total, SVOCMS Group1, SVOCMS Group2, SVOCMS Group3, SVOCMS Group4, SVOCMS Group5, TKN, TOC, TS and VOCMS Group1. 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 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.

The Retention Times were acceptable for all samples.

The MS {Q1901-04MS} with File ID: FC068804.D recoveries met the requirements for all compounds except for [n-Tetracosane (C24)- 39%] due to matrix interference and [Naphthalene (C11.7)- 1%, 2-methylnaphthalene (C12.89)- 0%] these analytes are only being monitoring in aliphatic fraction.

The MSD {Q1901-04MSD} with File ID: FC068805.D recoveries met the requirements for all compounds except for [n-Tetracosane (C24)- 39%] due to matrix interference and [Naphthalene (C11.7)- 1%, 2-methylnaphthalene (C12.89)- 0%] these analytes are only being monitoring in aliphatic fraction.

The MS {Q1901-04MS} with File ID: FD049330.D recoveries met the requirements for all compounds except for [Chrysene (C27.41)-196%, Bnezo[k]fluoranthene (C30.14)-183%, Dibenz[a,h]anthracene (C30.36)-200%, benzo[b]fluoranthene (C30.41)-180%, Indeno[1,2,3-cd]pyrene (C35.01)-187%] due to matrix interference.

The MSD {Q1901-04MSD} with File ID: FD049331.D recoveries met the requirements for all compounds except for [Benzo[a]anthracene (C26.37)-199%, Chrysene (C27.41)-195%, Bnezo[k]fluoranthene (C30.14)-183%, Dibenz[a,h]anthracene (C30.36)-200%, benzo[b]fluoranthene (C30.41)-180%, Indeno[1,2,3-cd]pyrene (C35.01)-188%] due to matrix interference.

The RPD for {Q1901-04MSD} with File ID: FD049331.D met criteria except for Benzo[a]anthracene (C26.37)- 68.92% due to difference in results of MS and MSD.

The Blank Spike {PB167903BS} with File ID: FC068793.D met requirements for all samples except for [Naphthalene (C11.7)-0%, 2-methylnaphthalene (C12.89)-0%] these analytes are only being monitoring in aliphatic fraction.

The Blank Spike Duplicate{PB167903BSD} with File ID: FC068794.D met requirements for all samples except for [Naphthalene (C11.7)-0%, 2-methylnaphthalene (C12.89)-0%]these analytes are only being monitoring in aliphatic fraction.

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

The Initial Calibration met the requirements .

The Continuous Calibration met the requirements .

Samples HW0425-PT-NJEPH-SOIL and HW0425-PT-NJEPH-SOILDL were diluted due to high concentrations for aliphatic compounds.

E. Additional Comments:

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

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_____