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CASE NARRATIVE

Chemtech Consulting Group

Project Name: NJ Soil PT

Project # N/A

Chemtech Project # P4495

**Test Name: Hexavalent Chromium,TS,Corrosivity,Oil and Grease,Anions
Group2,Cyanide,TOC,Phosphorus, Total,Flash Point,TKN,Ammonia,Anions
Group1**

A. Number of Samples and Date of Receipt:

25 Solid samples were received on 10/23/2024.

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, Nitrite, Oil and Grease, PCB, PESTICIDE Group1, PESTICIDE Group2, PESTICIDE Group3, Phosphorus, Total, SVOCMS Group1, SVOCMS Group2, SVOCMS Group3, SVOCMS Group4, TKN, TOC, TS and VOCMS Group1. This data package contains results for Hexavalent Chromium,TS,Corrosivity,Oil and Grease,Anions Group2,Cyanide,TOC,Phosphorus, Total,Flash Point,TKN,Ammonia,Anions Group1.

C. Analytical Techniques:

The analysis of Flash Point was based on method 1010B, The analysis of Hexavalent Chromium was based on method 7196A, The analysis of Cyanide was based on method 9012B, The analysis of Cyanide was based on method 9014, The analysis of Corrosivity was based on method 9045D, The analysis of Anions Group1,Anions Group2 was based on method 9056A, The analysis of TOC was based on method 9060A, The analysis of Oil and Grease was based on method 9071B, The analysis of TOC was based on method Lloyd Kahn, The analysis of TS was based on method SM2540 B, The analysis of TKN was based on method SM4500 N Org B or C and The analysis of Ammonia was based on method SM4500-NH3.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

Sample PT-AN-SOIL was diluted due to high concentrations for Chloride,Fluoride,Nitrate,Sulfate

& Sample PT-CN-SOIL was diluted due to high concentrations for Cyanide

& Sample PT-CN-SOIL was diluted due to high concentrations for Cyanide

& Sample PT-CR6-SOIL was diluted due to high concentrations for Hexavalent Chromium



& Sample PT-NUT-SOIL was diluted due to high concentrations for Ammonia as N,TKN,Phosphorus, Total

The Blank Spike met requirements for all samples.

The Duplicate (COMP-1DUP) analysis met criteria for all samples except for Ammonia as N but sample and Duplicate results are below reporting limit.

The Matrix Spike (COMP-1MS) analysis met criteria for all samples except for Orthophosphate as P due to matrix interference.

The Matrix Spike (WC-3(0-6)MS) analysis met criteria for all samples except for Oil and Grease due to matrix interference.

The Matrix Spike Duplicate (COMP-1MSD) analysis met criteria for all samples except for Orthophosphate as P due to matrix interference.

The Matrix Spike Duplicate (WC-3(0-6)MSD) analysis met criteria for all samples except for Oil and Grease due to matrix interference.

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

The Calibration met the requirements.

E. Additional Comments:

Lab has used least representable sample weight for the samples P4495-07 and P4495-08 for TOC analysis. Therefore Lab has reported the TOC result with "OR" qualifier

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_____