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CASE NARRATIVE

Tully Construction Co., Inc.
Project Name: MTA 26 Stations - Pierrepont
Project # N/A
Order ID # Q3790
Test Name: VOC-TCLVOA-10,SVOC-PAH,PCB,TPH GC,Mercury,Metals ICP-TAL,TCLP ICP Metals,TCLP Mercury,Corrosivity,Ignitability,Reactive Cyanide,Reactive Sulfide

A. Number of Samples and Date of Receipt:
6 Solid samples were received on 12/05/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: VOC-TCLVOA-10,SVOC-PAH,PCB,TPH GC,Mercury,Metals ICP-TAL,TCLP ICP Metals,TCLP Mercury,Corrosivity,Ignitability,Reactive Cyanide,Reactive Sulfide. This data package contains results for VOC-TCLVOA-10(8260D),SVOC-PAH(8270E),PCB(8082A),TPH GC(8015D),Mercury(7471B),Metals ICP-TAL(6010D),TCLP ICP Metals(6010D),TCLP Mercury(7470A),Corrosivity(9045D),Ignitability(1030),Reactive Cyanide(9012B),Reactive Sulfide(9034).

C. Analytical Techniques:
VOC-TCLVOA-10 : The analysis performed on instrument MSVOA_W were done using GC column Rxi-624SIL MS 30m, 0.25mm, 1.4 um, Cat. #13868.The analysis of VOC-TCLVOA-10 was based on method 8260D.

SVOC-PAH : The samples were analyzed on instrument BNA_G using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGA. The samples were analyzed on instrument BNA_P using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGA. The analysis of SVOC-PAH was based on method 8270E and extraction was done based on method 3541.

TPH GC : The analysis were performed on instrument FID_G. The column is RXI-1MS which is 20 meters, 0.18mm ID, 0.18 um df, catalog 13302.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 TPH GC was based on method 8015D and extraction was done based on method 3541.

PCB : The analyses were performed on instrument GCECD_P. The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0.5 um df, Catalogue # 7HM-G016-17. The rear

column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 µm; Catalogue # 7HM-G017-11.The analysis of PCBs was based on method 8082A and extraction was done based on method 3541.

Mercury,Metals ICP-TAL : The analysis of Metals ICP-TAL was based on method 6010D, digestion based on method 3050 (soils). The analysis and digestion of Mercury was based on method 7471B.

TCLP ICP Metals,TCLP Mercury : The analysis of TCLP ICP Metals was based on method 6010D, digestion based on method 3010 (waters). The analysis and digestion of TCLP Mercury was based on method 7470A and TCLP extraction method was 1311.

Wetchem : The analysis of Ignitability was based on method 1030, The analysis of Reactive Cyanide was based on method 9012B, The analysis of Reactive Sulfide was based on method 9034 and The analysis of Corrosivity was based on method 9045D.

D. QA/ QC Samples:
The Holding Times were met for all analysis except following Wetchem : 304 FURMAN SOIL of Corrosivity as sample was receive out of holding time.

The Surrogate recoveries were met for all analysis except following
VOC-TCLVOA-10 : 304 FURMAN SOIL [Toluene-d8 - 65%]. As corrective action lab renalyzed Vial B for this sample but it was not purged, therefore Vial A is reported as final results.

The Internal Standards Areas were met for all analysis except following
VOC-TCLVOA-10 : 304 FURMAN SOIL. As corrective action lab renalyzed Vial B for this sample but it was not purged, therefore Vial A is reported as final results.

The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds except following
Mercury,Metals ICP-TAL : The Matrix Spike (72-11966MS) analysis met criteria for all compounds except for Antimony, Barium, Beryllium, Chromium, Cobalt, Copper, Nickel, Potassium, Selenium, Sodium, Vanadium and Zinc because of soil assumes lot of unknown interferences which are not being analyzed and has suppression effect to the analytes added as spike during digestion, so this has soil matrix issue which has vey contaminated ,interferences and soil matrix was homogenized before digestion as per the the method.

The MSD recoveries met the requirements for all compounds except following
Mercury,Metals ICP-TAL : The Matrix Spike Duplicate (72-11966MSD) analysis met criteria for all compounds except for Antimony, Barium, Beryllium, Chromium, Cobalt, Copper, Sodium, Vanadium and Zinc because of soil assumes lot of unknown interferences which are not being analyzed and has suppression effect to the analytes

added as spike during digestion, so this has soil matrix issue which has vey contaminated.interferences and soil matrix was homogenized before digestion as per the the method.
The Matrix Spike Duplicate (TR-05-12-5-2025MSD) analysis met criteria for all compounds except for Mercury due to Sample matrix interference.

The RPD were met for all analysis except following
VOC-TCLVOA-10 : The RPD for {VW1208SBSD01} with File ID: VW032589.D met criteria except for Bromochloromethane[34%]. Due to difference in BS and BSD concentrations.

The Blank Spike met requirements for all compounds except following
The Blank Spike Duplicate met requirements for all compounds except following
VOC-TCLVOA-10 : The Blank Spike Duplicate for {VW1208SBSD01} with File ID: VW032589.D met requirements for all compounds except for Bromochloromethane[145%]. Failing high but associated samples have no positive hit for this compound, therefore no corrective action was taken.

The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements.
The Continuous Calibration met the requirements except following
SVOC-PAH : The Continuous Calibration File ID BG064902.D met the requirements except for 2,4,6-Tribromophenol which is not our target compound, therefore no corrective action taken.

The Tuning criteria met requirements.
The Duplicate analysis met criteria for all samples.
The Serial Dilution met the acceptable requirements.

E. Additional Comments:
The soil samples results are based on a dry weight basis.

Mercury,Metals ICP-TAL : The Post Digest Spike (72-11966A) analysis met criteria for all compounds except for Barium, Beryllium, Chromium, Copper, Sodium, , Vanadium and Zinc due to unknown chemical interference of matrix with the addition of spike amount after digestion and before analysis; matrix has suppression effect during addition of spike.

As per special requirement for this project form-1 and Hit Summary are reported in mg/kg.

VOC-TCLVOA-10 : Samples for MS/MSD for VOC analysis were not provided with this set of samples. The Blank Spike Duplicate is reported with the data.
Trip Blank was not provided with this set of samples.

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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_____