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CASE NARRATIVE

ATG-GREENVILLE AEC

Project Name: AEC-2025-0013- CSC 4153

Project # N/A

Order ID # Q3510

Test Name: VOC-BTEX,COD,Oil and Grease

A. Number of Samples and Date of Receipt:

1 Water sample was received on 10/31/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: VOC-BTEX,COD,Oil and Grease. This data package contains results for VOC-BTEX(8260-Low),COD(SM5220 D),Oil and Grease(1664A).

C. Analytical Techniques:

VOC-BTEX : The analysis performed on instrument MSVOA_X were done using GC column DB-624UI 20m 0.18mm 1.0 um. Cat#121-1324UI. The analysis of VOC-BTEX was based on method 8260-Low.

Wetchem : The analysis of Oil and Grease was based on method 1664A and The analysis of COD was based on method SM5220 D.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries were met for all analysis.

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The MS recoveries met the requirements for all compounds.

The MSD recoveries met the acceptable requirements.

The RPD were met for all analysis except following

VOC-BTEX : The RPD for {VX1103WBSD01} with File ID: VX048450.D met criteria except for Benzene[17%] due to difference in results of BS and BSD.

The Blank Spike met requirements for all compounds except following

The Blank Spike Duplicate met requirements for all compounds except following

VOC-BTEX : The Blank Spike Duplicate for {VX1103WBSD01} with File ID:

VX048450.D met requirements for all compounds except for Benzene[114%] is failing high but no positive hit in associate sample therefore no corrective action taken.



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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

VOC-BTEX : The Continuous Calibration File ID VX048445.D met the requirements except for Dibromofluoromethane which is not our target compound, therefore no corrective action taken.

The Tuning criteria met requirements.

The Duplicate analysis met criteria for all compounds.

E. Additional Comments:

COD, Oil and Grease : As per method 1664A, MS/MSD is required to be performed with the sample analysis. However, Lab did not receive sufficient volume to perform the MS/MSD for Q3510 therefore Lab reported MS-MSD from Q3551 and Q3554.

VOC-BTEX : As per special requirement for this project form-1 and Hit Summary are reported in mg/l.

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.

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_____