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CASE NARRATIVE

G Environmental

Project Name: Buffington

Project # N/A

Order ID # Q3464

Test Name: VOCMS Group1, Metals Group4, Alkalinity, Anions Group1, COD

A. Number of Samples and Date of Receipt:

2 Water samples were received on 10/24/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: VOCMS Group1, Metals Group4, Alkalinity, Anions Group1, COD. This data package contains results for VOCMS Group1(8260-Low), Metals Group4(6010D), Alkalinity (SM2320 B), Anions Group1(300.0), COD(SM5220 D).

C. Analytical Techniques:

VOCMS Group1 : The analysis performed on instrument MSVOA_N were done using GC column Rxi-624SIL MS 30m, 0.25mm, 1.4 um, Cat. #13868. 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 VOCMS Group1 was based on method 8260-Low.

Metals Group4 : The analysis of Metals Group4 was based on method 6010D and digestion based on method 3010 (waters).

Wetchem : The analysis of Anions Group1 was based on method 300.0, The analysis of Alkalinity was based on method SM2320 B and The analysis of COD was based on method SM5220 D.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

Wetchem : Sample MW2 was diluted due to high concentrations for Sulfate & Sample MW3 was diluted due to high concentrations for Sulfate.

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 except following Wetchem :

The Matrix Spike (MW2MS) analysis met criteria for all compounds except for Anions Group1(Sulfate) due to matrix Interference.



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The MSD recoveries met the requirements for all compounds except following Wetchem : The Matrix Spike Duplicate (MW2MSD) analysis met criteria for all compounds except for Anions Group1(Sulfate) due to Matrix interference.

The RPD recoveries met criteria.

The Blank Spike met requirements for all compounds.

The Blank Spike Duplicate met requirements for all compounds.

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

The Initial Calibration met the requirements.

The Continuous Calibration met the requirements.

The Tuning criteria met requirements.

The Duplicate analysis met criteria for all samples.

The Serial Dilution met the acceptable requirements.

E. Additional Comments:

VOCMS Group1 : 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_____