



284 Sheffield Street, Mountainside, NJ 7092, Phone: 908 789 8900, Fax: 908 789 8922

## **CASE NARRATIVE**

### **G Environmental**

**Project Name: Adoni**

**Project # N/A**

**Order ID # Q3716**

**Test Name: VOCMS Group1,SVOCMS Group1,Metals Group4,Anions Group1,BOD5,COD**

#### **A. Number of Samples and Date of Receipt:**

4 Water samples were received on 11/24/2025.

#### **B. Parameters**

According to the Chain of Custody document, the following analyses were requested: VOCMS Group1,SVOCMS Group1,Metals Group4,Anions Group1,BOD5,COD. This data package contains results for VOCMS Group1(8260-Low),SVOCMS Group1(8270E),Metals Group4(6010D),Anions Group1(300.0),BOD5(SM5210 B),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 of VOCMS Group1 was based on method 8260-Low.

SVOCMS Group1 : 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 SVOCMS Group1 was based on method 8270E and extraction was done based on method 3510.

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,BOD5,COD was based on method 300.0,SM5210 B,SM5220 D and extraction was done based on method 8015B.

#### **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 recoveries met criteria.



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The Blank Spike met requirements for all compounds except following  
SVOCMS Group1 : The Blank Spike for {PB170743BS} with File ID: BP026199.D met requirements for all compounds except for 3,3-Dichlorobenzidine[52%]. This compound did not meet the NJDKQP criteria but met the in-house criteria.

The Blank Spike Duplicate met requirements for all compounds except following  
SVOCMS Group1 : The Blank Spike Duplicate for {PB170743BSD} with File ID: BP026200.D met requirements for all compounds except for 3,3-Dichlorobenzidine[55%]. This compound did not meet the NJDKQP criteria but met the in-house criteria.

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  
VOCMS Group1 : The Continuous Calibration File ID VN088370.D met the requirements except for Acetone is failing marginally low and Bromoform is failing high but no positive hit in associate sample therefore no corrective action taken.

The Tuning criteria met requirements.

VOCMS Group1 : Samples MW5, MW7 were diluted due to high concentrations.

Wetchem : Sample MW5 was diluted due to high concentrations for Sulfate & Sample MW4 was diluted due to high concentrations for Sulfate.

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

#### **E. Additional Comments:**

SEMI-VOA : The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.

Anions Group1,BOD5,COD : Sample Q3716-04 was analyzed straight Dilution for COD parameter because the original samples were reading over range, only 10X has been reported.

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.



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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.

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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\_\_\_\_\_