



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

CASE NARRATIVE

Ardmore Chemical

Project Name: PVSC Monthly 2025

Project # N/A

Order ID # Q3700

Test Name: VOC-PP,SVOCMS Group1,Mercury,Metals Group3,BOD5,Cyanide,TSS

A. Number of Samples and Date of Receipt:

6 Water samples were received on 11/20/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: VOC-PP,SVOCMS Group1,Mercury,Metals Group3,BOD5,Cyanide,TSS. This data package contains results for VOC-PP(624.1),SVOCMS Group1(625.1),Mercury(245.1),Metals Group3(200.7),BOD5(SM5210 B),Cyanide(SM4500-CN C,E),TSS(SM2540 D).

C. Analytical Techniques:

VOC-PP : 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 VOC-PP was based on method 624.1.

SVOCMS Group1 : The samples were analyzed on instrument BNA_F using GC Column DB-UI 8270D which is 20 meters, 0.18 mm ID, 0.36 um df. The analysis of SVOCMS Group1 was based on method 625.1 and extraction was done based on method 3510.

Mercury,Metals Group3 : The analysis and digestion of Metals Group3 was based on 200.7 and The analysis and digestion of Mercury was based on 245.1.

Wetchem : The analysis of BOD5,Cyanide,TSS was based on method SM2540 D,SM4500-CN C,E,SM5210 B 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 except following

SVOCMS Group1 : EFF-WW [2-Fluorophenol - 52%, Phenol-d6 - 36%], EFF-WWMS [2-Fluorophenol - 56%, Phenol-d6 - 41%], EFF-WWMSD [2-Fluorophenol - 58% and Phenol-d6 - 40%] failing low but confirm with MS/MSD due to matrix interference therefore no corrective action is needed.



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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

VOC-PP : The MS {Q3700-02MS} with File ID: VN088360.D recoveries met the requirements for all compounds except for 2-Chloroethyl vinyl ether[0%], Acrolein[164%] due to matrix interference.

The MSD recoveries met the acceptable requirements.

The RPD were met for all analysis except following

VOC-PP : The RPD for {Q3700-03MSD} with File ID: VN088367.D met criteria except for 2-Chloroethyl vinyl ether[200%] due to difference in results of MS and MSD.

SVOCMS Group1 : The RPD for {Q3700-06MSD} with File ID: BF144354.D met criteria except for Benzidine[29%], due to difference in results of MS and MSD.

The Blank Spike met requirements for all compounds except following

VOC-PP : The Blank Spike for {VN1125WBS01} with File ID: VN088354.D met requirements for all compounds except for Acrolein[160%] is failing high and associate sample having hit of Acrolein but below CRQL therefore no corrective action taken.

VOC-PP : The Blank Spike for {VN1126WBS01} with File ID: VN088363.D met requirements for all compounds except for Acrolein[150%] is failing high and associate QC passing within limit therefore no corrective action taken.

The Blank Spike Duplicate met requirements for all compounds

The Blank Spike met requirements for all compounds except following

Samples EFF-WW was diluted due to foamy nature of sample

SVOCMS Group1 : The Blank Spike for {PB170730BS} with File ID: BF144350.D met requirements for all compounds except for Benzidine[9%]marginally failing low therefore no corrective action was taken.

The Blank Spike Duplicate met requirements for all compounds

The Blank analysis did not indicate the presence of labcontamination.

The Initial Calibration met the requirements.

The Continuous Calibration met the requirements.



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The Tuning criteria met requirements.

The Duplicate analysis met criteria for all samples.

The Serial Dilution met the acceptable requirements.

E. Additional Comments:

VOC-PP : 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_____