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CASE NARRATIVE

Ardmore Chemical

Project Name: PVSC Monthly 2025

Project # N/A

Order ID # Q2264

Test Name: SVOCMS Group1

A. Number of Samples and Date of Receipt:

2 Water samples were received on 06/06/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: BOD5, Cyanide, Mercury, Metals Group3, SVOCMS Group1, TSS and VOC-PP. This data package contains results for SVOCMS Group1.

C. Analytical Techniques:

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.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria except for EF-WW [2,4,6-Tribromophenol - 2%, 2-Fluorophenol - 1%, Phenol-d6 - 0% and Terphenyl-d14 - 52%]. Due to matrix interference, which can be observed by the abnormal chromatogram. Reanalyzing this sample will give the same result. Hence this analysis reported as final results.

The Internal Standards Areas met the acceptable requirements except for EF-WW. Due to matrix interference, which can be observed by the abnormal chromatogram. Reanalyzing this sample will give the same result. Hence this analysis reported as final results. The Retention Times were acceptable for all samples.

The RPD met criteria .

The Blank Spike met requirements for all samples .

The Blank Spike Duplicate met requirements for all samples .

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.



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E. Additional Comments:

Alliance has analyzed samples for SVOCMS Group1 by Method 625.1 for Project "PVSC Monthly 2025". Alliance certification was in applied status for compound "2,4-Dimethylphenol" with NJDEP for Method 625.1 for SVOC group 1 at the time when samples for Project "PVSC Monthly 2025" were analyzed

As per method, MS/MSD is required to be performed with the sample analysis. However, Lab did not receive sufficient volume to perform the MS/MSD therefore MS/MSD were not performed for this project. However, Lab has performed LCS/LCSD instead.

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <35% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 35% for the Initial Calibration curve for SW-846 analysis.

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_____