

## **CASE NARRATIVE**

### **Ardmore Chemical**

**Project Name: PVSC Monthly 2025**

**Project # N/A**

**Chemtech Project # Q1833**

**Test Name: SVOCMS Group1**

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

2 Water samples were received on 04/17/2025.

### **B. Parameters**

According to the Chain of Custody document, the following analyses were requested: BOD5, Cyanide, Mercury, Metals Group2, Metals ICP-Group, 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 dfThe 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 EFF-WASTE-WATER [Phenol-d6 - 44%], EFF-WASTE-WATERDL [2-Fluorobiphenyl - 142% and Phenol-d6 - 55%], As per SOW one Acid and one Base surrogate is allowed to fail, therefore no further corrective action was taken.

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The RPD met criteria.

The Blank Spike for {PB167672BS} with File ID: BF142211.D met requirements for all samples except for Hexachlorocyclopentadiene[190%], Associated sampled has no hit for this compound, therefor no further corrective action was taken.

The Blank Spike Duplicate for {PB167672BSD} with File ID: BF142212.D met requirements for all samples except for Hexachlorocyclopentadiene[200%], Associated sampled has no hit for this compound, therefor no further corrective action was taken.

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

The Initial Calibration met the requirements.



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The Continuous Calibration File ID BF142210.D met the requirements except for Di-n-octyl phthalate, Associated samples does not have hit for this compound, therefore no further corrective action was taken.

The Tuning criteria met requirements.

Sample EFF-WASTE-WATER was diluted due to high concentration.

**E. Additional Comments:**

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 <20% 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 > 20% 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.

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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\_\_\_\_\_