284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# DATA PACKAGE

VOLATILE ORGANICS
GENERAL CHEMISTRY
METALS
SEMI-VOLATILE ORGANICS

**PROJECT NAME : PVSC MONTHLY 2025**

**ARDMORE CHEMICAL**

**29 Riverside Avenue**

**Newark, NJ - 07104-**

**Phone No: 973-481-2406**

**ORDER ID : Q1833**

**ATTENTION : Michael Sharphouse**

**Laboratory Certification ID # 20012**

Table Of Contents for Q1833

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# Cover Page

**Order ID :** Q1833

**Project ID :** PVSC Monthly 2025

**Client :** Ardmore Chemical

| Lab Sample Number | Client Sample Number |
|---|---|
| Q1833-01 | EFF-WASTE-WATER |
| Q1833-02 | EFF-WASTE-WATER |

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. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : _____

Date: 4/30/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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# CASE NARRATIVE

**Ardmore Chemical**
**Project Name: PVSC Monthly 2025**
**Project # N/A**
**Chemtech Project # Q1833**
**Test Name: VOC-PP**

**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 Group3, Metals ICP-Group, SVOCMS Group1, TSS and VOC-PP. This data package contains results for VOC-PP.

**C. Analytical Techniques:**
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.

**D. QA/ QC Samples:**
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
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 %RSD is greater than 35% in the Initial Calibration method (624N042325W.M) for Acrolein is passing on Linear Regression.

The Tuning criteria met requirements.

Sample EFF-WASTE-WATER was diluted due foamy nature of the sample.

**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.

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Sample # EFF-WASTE-WATER initially analyzed in sequence VN042125 where Method was Failing as a corrective action sample reanalyzed in sequence VN042325 under passing method and reported in hardcopy, therefore fax and hardcopy data will not match.

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.

---

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# 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, therefor 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.

---

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.

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# CASE NARRATIVE

**Ardmore Chemical**
**Project Name: PVSC Monthly 2025**
**Project # N/A**
**Chemtech Project # Q1833**
**Test Name: Metals Group3,Mercury**

**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 Group3, Metals ICP-Group, SVOCMS Group1, TSS and VOC-PP. This data package contains results for Metals Group3,Mercury.

**C. Analytical Techniques:**
The analysis and digestion of Metals Group3 was based on 200.7 and The analysis and digestion of Mercury was based on 245.1.

**D. QA/ QC Samples:**
The Holding Times were met for all analysis.
The Blank Spike met requirements for all samples.
The Duplicate analysis met criteria for all samples.
The Matrix Spike analysis met criteria for all samples.
The Matrix Spike Duplicate analysis met criteria for all samples.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.
The Serial Dilution met the acceptable requirements.

**E. Additional Comments:**
LLCCV & LLICV are not required for 200.7 method.

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# CASE NARRATIVE

**Ardmore Chemical**
**Project Name: PVSC Monthly 2025**
**Project # N/A**
**Chemtech Project # Q1833**
**Test Name: Cyanide,BOD5,TSS**

**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 Cyanide,BOD5,TSS.

**C. Analytical Techniques:**
The analysis of TSS was based on method SM2540 D, The analysis of Cyanide was based on method SM4500-CN C,E and The analysis of BOD5 was based on method SM5210 B.

**D. QA/ QC Samples:**
The Holding Times were met for all analysis.
The Blank Spike met requirements for all samples.
The Duplicate analysis met criteria for all samples.
The Matrix Spike analysis met criteria for all samples.
The Matrix Spike Duplicate analysis met criteria for all samples.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.

**E. Additional Comments:**

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Signature_____

# DATA REPORTING QUALIFIERS- INORGANIC

For reporting results, the following " Results Qualifiers" are used:

| | |
|---|---|
| **J** | Indicates the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL), but greater than or equal to the Instrument Detection Limit (IDL). |
| **U** | Indicates the analyte was analyzed for, but not detected. |
| **ND** | Indicates the analyte was analyzed for, but not detected |
| **E** | Indicates the reported value is estimated because of the presence of interference |
| **M** | Indicates Duplicate injection precision not met. |
| **N** | Indicates the spiked sample recovery is not within control limits. |
| **S** | Indicates the reported value was determined by the Method of Standard Addition (MSA). |
| * | Indicates that the duplicate analysis is not within control limits. |
| + | Indicates the correlation coefficient for the MSA is less than 0.995. |
| **D** | Indicates the reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range. |
| **M** | Method qualifiers<br>**"P"** for ICP instrument<br>**"PM"** for ICP when Microwave Digestion is used<br>**"CV"** for Manual Cold Vapor AA<br>**"AV"** for automated Cold Vapor AA<br>**"CA"** for MIDI-Distillation Spectrophotometric<br>**"AS"** for Semi –Automated Spectrophotometric<br>**"C"** for Manual Spectrophotometric<br>**"T"** for Titrimetric<br>**"NR"** for analyte not required to be analyzed |
| **OR** | Indicates the analyte's concentration exceeds the calibrated range of the instrument for that specific analysis. |
| **Q** | Indicates the LCS did not meet the control limits requirements |
| H | Sample Analysis Out Of Hold Time |

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## DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

| | |
|---|---|
| Value | If the result is a value greater than or equal to the detection limit, report the value |
| **U** | Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required. |
| **ND** | Indicates the analyte was analyzed for, but not detected |
| **J** | Indicates an estimated value**.** This flag is used:<br>(1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.)<br>(2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others. |
| **B** | Indicates the analyte was found in the blank as well as the sample report as "12 B". |
| **E** | Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis. |
| **D** | This flag identifies all compounds identified in an analysis at a secondary dilution factor. |
| **P** | This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P". |
| **N** | This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used. |
| **A** | This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product. |
| **Q** | Indicates the LCS did not meet the control limits requirements |

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**APPENDIX A**

**QA REVIEW GENERAL DOCUMENTATION**

**Project #:** **Q1833**

| | Completed |
|---|---|
| **For thorough review, the report must have the following:** | |
| **GENERAL:** | |
| **Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)** | ✓ |
| **Check chain-of-custody for proper relinquish/return of samples** | ✓ |
| **Is the chain of custody signed and complete** | ✓ |
| **Check internal chain-of-custody for proper relinquish/return of samples /sample extracts** | ✓ |
| **Collect information for each project id from server. Were all requirements followed** | ✓ |
| **COVER PAGE:** | |
| **Do numbers of samples correspond to the number of samples in the Chain of Custody on login page** | ✓ |
| **Do lab numbers and client Ids on cover page agree with the Chain of Custody** | ✓ |
| **CHAIN OF CUSTODY:** | |
| **Do requested analyses on Chain of Custody agree with form I results** | ✓ |
| **Do requested analyses on Chain of Custody agree with the log-in page** | ✓ |
| **Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody** | ✓ |
| **Were the samples received within hold time** | ✓ |
| **Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle** | ✓ |
| **ANALYTICAL:** | |
| **Was method requirement followed?** | ✓ |
| **Was client requirement followed?** | ✓ |
| **Does the case narrative summarize all QC failure?** | ✓ |
| **All runlogs and manual integration are reviewed for requirements** | ✓ |
| **All manual calculations and /or hand notations verified** | ✓ |

**QA Review Signature:** **SOHIL JODHANI** **Date:** **04/30/2025**

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# Hit Summary Sheet
**SW-846**

**SDG No.:** Q1833

**Client:** Ardmore Chemical

| Sample ID | Client ID | Matrix | Parameter | Concentration | C | MDL | RDL | Units |
|---|---|---|---|---|---|---|---|---|
| **Client ID:** | **EFF-WASTE-WATER** | | | | | | | |
| Q1833-01 | EFF-WASTE-WATI | Water | Chloroform | 15.4 | J | 2.80 | 25.0 | ug/L |
| | | | **Total Voc :** | 15.4 | | | | |
| | | | **Total Concentration:** | 15.4 | | | | |

# SAMPLE DATA

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Ardmore Chemical | Date Collected: | 04/17/25 |
| Project: | PVSC Monthly 2025 | Date Received: | 04/17/25 |
| Client Sample ID: | EFF-WASTE-WATER | SDG No.: | Q1833 |
| Lab Sample ID: | Q1833-01 | Matrix: | Water |
| Analytical Method: | E624.1 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-PP |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VN086385.D | 5 | | 04/23/25 16:24 | VN042325 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 74-87-3 | Chloromethane | 3.20 | U | 3.20 | 25.0 | ug/L |
| 75-01-4 | Vinyl Chloride | 4.20 | U | 4.20 | 25.0 | ug/L |
| 74-83-9 | Bromomethane | 4.00 | U | 4.00 | 25.0 | ug/L |
| 75-00-3 | Chloroethane | 11.6 | U | 11.6 | 25.0 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 4.00 | U | 4.00 | 25.0 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 3.80 | U | 3.80 | 25.0 | ug/L |
| 107-02-8 | Acrolein | 33.1 | U | 33.1 | 130 | ug/L |
| 107-13-1 | Acrylonitrile | 14.0 | U | 14.0 | 130 | ug/L |
| 75-09-2 | Methylene Chloride | 4.30 | U | 4.30 | 25.0 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 4.10 | U | 4.10 | 25.0 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 3.40 | U | 3.40 | 25.0 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 3.70 | U | 3.70 | 25.0 | ug/L |
| 67-66-3 | Chloroform | 15.4 | J | 2.80 | 25.0 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 3.20 | U | 3.20 | 25.0 | ug/L |
| 71-43-2 | Benzene | 2.30 | U | 2.30 | 25.0 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 2.50 | U | 2.50 | 25.0 | ug/L |
| 79-01-6 | Trichloroethene | 2.50 | U | 2.50 | 25.0 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 2.30 | U | 2.30 | 25.0 | ug/L |
| 75-27-4 | Bromodichloromethane | 3.20 | U | 3.20 | 25.0 | ug/L |
| 108-88-3 | Toluene | 2.30 | U | 2.30 | 25.0 | ug/L |
| 10061-02-6 | t-1,3-Dichloropropene | 3.60 | U | 3.60 | 25.0 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 3.40 | U | 3.40 | 25.0 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 2.30 | U | 2.30 | 25.0 | ug/L |
| 110-75-8 | 2-Chloroethyl vinyl ether | 23.2 | U | 23.2 | 130 | ug/L |
| 124-48-1 | Dibromochloromethane | 3.30 | U | 3.30 | 25.0 | ug/L |
| 127-18-4 | Tetrachloroethene | 4.20 | U | 4.20 | 25.0 | ug/L |
| 108-90-7 | Chlorobenzene | 2.40 | U | 2.40 | 25.0 | ug/L |
| 100-41-4 | Ethyl Benzene | 2.80 | U | 2.80 | 25.0 | ug/L |
| 179601-23-1 | m/p-Xylenes | 6.50 | U | 6.50 | 50.0 | ug/L |
| 95-47-6 | o-Xylene | 3.40 | U | 3.40 | 25.0 | ug/L |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Ardmore Chemical | Date Collected: | 04/17/25 |
| Project: | PVSC Monthly 2025 | Date Received: | 04/17/25 |
| Client Sample ID: | EFF-WASTE-WATER | SDG No.: | Q1833 |
| Lab Sample ID: | Q1833-01 | Matrix: | Water |
| Analytical Method: | E624.1 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-PP |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VN086385.D | 5 | | 04/23/25 16:24 | VN042325 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| 75-25-2 | Bromoform | 4.70 | U | 4.70 | 25.0 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 2.20 | U | 2.20 | 25.0 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 3.40 | U | 3.40 | 25.0 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 4.10 | U | 4.10 | 25.0 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 3.40 | U | 3.40 | 25.0 | ug/L |
| **SURROGATES** | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 30.8 | | 91 - 110 | 103% | SPK: 30 |
| 2037-26-5 | Toluene-d8 | 30.5 | | 91 - 112 | 102% | SPK: 30 |
| 460-00-4 | 4-Bromofluorobenzene | 28.3 | | 63 - 112 | 94% | SPK: 30 |
| **INTERNAL STANDARDS** | | | | | | |
| 74-97-5 | Bromochloromethane | 28000 | 7.812 | | | |
| 540-36-3 | 1,4-Difluorobenzene | 172000 | 9.1 | | | |
| 3114-55-4 | Chlorobenzene-d5 | 153000 | 11.865 | | | |

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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# LAB CHRONICLE

| | | | |
|---|---|---|---|
| **OrderID:** | Q1833 | **OrderDate:** | 4/17/2025 2:07:00 PM |
| **Client:** | Ardmore Chemical | **Project:** | PVSC Monthly 2025 |
| **Contact:** | Michael Sharphouse | **Location:** | L31,VOA Ref. #3 Water |

| LabID | ClientID | Matrix | Test | Method | Sample Date | Prep Date | Anal Date | Received |
|---|---|---|---|---|---|---|---|---|
| **Q1833-01** | **EFF-WASTE-WATER** | **Water** | | | **04/17/25** | | | **04/17/25** |
| | | | VOC-PP | 624.1 | | | 04/23/25 | |

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# Hit Summary Sheet
**SW-846**

**SDG No.:** Q1833

**Client:** Ardmore Chemical

| Sample ID | Client ID | | Parameter | Concentration | C | MDL | RDL | Units |
|---|---|---|---|---|---|---|---|---|
| **Client ID : EFF-WASTE-WATER** | | | | | | | | |
| Q1833-02 | EFF-WASTE-WATER | WATER | Diethylphthalate | 2.100 | J | 0.7 | 5.1 | ug/L |
| Q1833-02 | EFF-WASTE-WATER | WATER | Benzidine | 640.000 | E | 4.3 | 10.1 | ug/L |
| Q1833-02 | EFF-WASTE-WATER | WATER | Bis(2-ethylhexyl)phthalate | 6.600 | | 1.6 | 5.1 | ug/L |
| | | | **Total Svoc :** | **648.70** | | | | |
| | | | **Total Concentration:** | **648.70** | | | | |
| **Client ID : EFF-WASTE-WATERDL** | | | | | | | | |
| Q1833-02DL | EFF-WASTE-WATERDL | WATER | Benzidine | 580.000 | D | 43.2 | 100 | ug/L |
| | | | **Total Svoc :** | **580.00** | | | | |
| | | | **Total Concentration:** | **580.00** | | | | |

# SAMPLE DATA

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Ardmore Chemical | Date Collected: | 04/17/25 |
| Project: | PVSC Monthly 2025 | Date Received: | 04/17/25 |
| Client Sample ID: | EFF-WASTE-WATER | SDG No.: | Q1833 |
| Lab Sample ID: | Q1833-02 | Matrix: | Water |
| Analytical Method: | 625.1 | % Solid: | 0 |
| Sample Wt/Vol: | 990 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOCMS Group1 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |
| Prep Method : | 3510C | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BF142214.D | 1 | 04/21/25 08:55 | 04/22/25 16:21 | PB167672 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 62-75-9 | n-Nitrosodimethylamine | 0.87 | U | 0.87 | 10.1 | ug/L |
| 108-95-2 | Phenol | 0.92 | U | 0.92 | 5.10 | ug/L |
| 111-44-4 | bis(2-Chloroethyl)ether | 0.82 | U | 0.82 | 5.10 | ug/L |
| 95-57-8 | 2-Chlorophenol | 0.59 | U | 0.59 | 5.10 | ug/L |
| 108-60-1 | 2,2-oxybis(1-Chloropropane) | 1.30 | U | 1.30 | 5.10 | ug/L |
| 621-64-7 | n-Nitroso-di-n-propylamine | 1.40 | U | 1.40 | 5.10 | ug/L |
| 67-72-1 | Hexachloroethane | 0.66 | U | 0.66 | 5.10 | ug/L |
| 98-95-3 | Nitrobenzene | 0.77 | U | 0.77 | 5.10 | ug/L |
| 78-59-1 | Isophorone | 0.76 | U | 0.76 | 5.10 | ug/L |
| 88-75-5 | 2-Nitrophenol | 1.80 | U | 1.80 | 5.10 | ug/L |
| 105-67-9 | 2,4-Dimethylphenol | 1.90 | U | 1.90 | 5.10 | ug/L |
| 111-91-1 | bis(2-Chloroethoxy)methane | 0.69 | U | 0.69 | 5.10 | ug/L |
| 120-83-2 | 2,4-Dichlorophenol | 0.53 | U | 0.53 | 5.10 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.55 | U | 0.55 | 5.10 | ug/L |
| 91-20-3 | Naphthalene | 0.51 | U | 0.51 | 5.10 | ug/L |
| 87-68-3 | Hexachlorobutadiene | 0.55 | U | 0.55 | 5.10 | ug/L |
| 59-50-7 | 4-Chloro-3-methylphenol | 0.60 | U | 0.60 | 5.10 | ug/L |
| 77-47-4 | Hexachlorocyclopentadiene | 3.70 | UQ | 3.70 | 10.1 | ug/L |
| 88-06-2 | 2,4,6-Trichlorophenol | 0.52 | U | 0.52 | 5.10 | ug/L |
| 91-58-7 | 2-Chloronaphthalene | 0.62 | U | 0.62 | 5.10 | ug/L |
| 131-11-3 | Dimethylphthalate | 0.62 | U | 0.62 | 5.10 | ug/L |
| 208-96-8 | Acenaphthylene | 0.76 | U | 0.76 | 5.10 | ug/L |
| 606-20-2 | 2,6-Dinitrotoluene | 0.93 | U | 0.93 | 5.10 | ug/L |
| 83-32-9 | Acenaphthene | 0.56 | U | 0.56 | 5.10 | ug/L |
| 51-28-5 | 2,4-Dinitrophenol | 6.00 | U | 6.00 | 10.1 | ug/L |
| 100-02-7 | 4-Nitrophenol | 2.40 | U | 2.40 | 10.1 | ug/L |
| 121-14-2 | 2,4-Dinitrotoluene | 1.20 | U | 1.20 | 5.10 | ug/L |
| 84-66-2 | Diethylphthalate | 2.10 | J | 0.70 | 5.10 | ug/L |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 0.69 | U | 0.69 | 5.10 | ug/L |

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Fax : 908 789 8922



# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Ardmore Chemical | Date Collected: | 04/17/25 |
| Project: | PVSC Monthly 2025 | Date Received: | 04/17/25 |
| Client Sample ID: | EFF-WASTE-WATER | SDG No.: | Q1833 |
| Lab Sample ID: | Q1833-02 | Matrix: | Water |
| Analytical Method: | 625.1 | % Solid: | 0 |
| Sample Wt/Vol: | 990 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOCMS Group1 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |
| Prep Method : | 3510C | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BF142214.D | 1 | 04/21/25 08:55 | 04/22/25 16:21 | PB167672 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| 86-73-7 | Fluorene | 0.64 | U | 0.64 | 5.10 | ug/L |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 2.90 | U | 2.90 | 10.1 | ug/L |
| 86-30-6 | n-Nitrosodiphenylamine | 0.59 | U | 0.59 | 5.10 | ug/L |
| 103-33-3 | Azobenzene | 0.82 | U | 0.82 | 5.10 | ug/L |
| 101-55-3 | 4-Bromophenyl-phenylether | 0.40 | U | 0.40 | 5.10 | ug/L |
| 118-74-1 | Hexachlorobenzene | 0.53 | U | 0.53 | 5.10 | ug/L |
| 87-86-5 | Pentachlorophenol | 1.60 | U | 1.60 | 10.1 | ug/L |
| 85-01-8 | Phenanthrene | 0.51 | U | 0.51 | 5.10 | ug/L |
| 120-12-7 | Anthracene | 0.62 | U | 0.62 | 5.10 | ug/L |
| 84-74-2 | Di-n-butylphthalate | 1.20 | U | 1.20 | 5.10 | ug/L |
| 206-44-0 | Fluoranthene | 0.83 | U | 0.83 | 5.10 | ug/L |
| 92-87-5 | Benzidine | 640 | E | 4.30 | 10.1 | ug/L |
| 129-00-0 | Pyrene | 0.51 | U | 0.51 | 5.10 | ug/L |
| 85-68-7 | Butylbenzylphthalate | 1.90 | U | 1.90 | 5.10 | ug/L |
| 91-94-1 | 3,3-Dichlorobenzidine | 0.94 | U | 0.94 | 10.1 | ug/L |
| 56-55-3 | Benzo(a)anthracene | 0.45 | U | 0.45 | 5.10 | ug/L |
| 218-01-9 | Chrysene | 0.44 | U | 0.44 | 5.10 | ug/L |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | 6.60 | | 1.60 | 5.10 | ug/L |
| 117-84-0 | Di-n-octyl phthalate | 2.40 | U | 2.40 | 10.1 | ug/L |
| 205-99-2 | Benzo(b)fluoranthene | 0.49 | U | 0.49 | 5.10 | ug/L |
| 207-08-9 | Benzo(k)fluoranthene | 0.48 | U | 0.48 | 5.10 | ug/L |
| 50-32-8 | Benzo(a)pyrene | 0.56 | U | 0.56 | 5.10 | ug/L |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 0.60 | U | 0.60 | 5.10 | ug/L |
| 53-70-3 | Dibenzo(a,h)anthracene | 0.68 | U | 0.68 | 5.10 | ug/L |
| 191-24-2 | Benzo(g,h,i)perylene | 0.70 | U | 0.70 | 5.10 | ug/L |
| **SURROGATES** | | | | | | |
| 367-12-4 | 2-Fluorophenol | 61.9 | | 60 - 140 | 62% | SPK: 100 |
| 13127-88-3 | Phenol-d6 | 44.2 | * | 60 - 140 | 44% | SPK: 100 |
| 4165-60-0 | Nitrobenzene-d5 | 106 | | 60 - 140 | 106% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 97.8 | | 60 - 140 | 98% | SPK: 100 |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Ardmore Chemical | Date Collected: | 04/17/25 |
| Project: | PVSC Monthly 2025 | Date Received: | 04/17/25 |
| Client Sample ID: | EFF-WASTE-WATER | SDG No.: | Q1833 |
| Lab Sample ID: | Q1833-02 | Matrix: | Water |
| Analytical Method: | 625.1 | % Solid: | 0 |
| Sample Wt/Vol: | 990 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOCMS Group1 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : N | PH : |
| Prep Method : | 3510C | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BF142214.D | 1 | 04/21/25 08:55 | 04/22/25 16:21 | PB167672 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| 118-79-6 | 2,4,6-Tribromophenol | 105 | | 60 - 140 | 105% | SPK: 100 |
| 1718-51-0 | Terphenyl-d14 | 74.6 | | 60 - 140 | 75% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 345000 | 6.863 | | | |
| 1146-65-2 | Naphthalene-d8 | 1080000 | 8.145 | | | |
| 15067-26-2 | Acenaphthene-d10 | 603000 | 9.904 | | | |
| 1517-22-2 | Phenanthrene-d10 | 1060000 | 11.404 | | | |
| 1719-03-5 | Chrysene-d12 | 1130000 | 14.033 | | | |
| 1520-96-3 | Perylene-d12 | 824000 | 15.504 | | | |

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Ardmore Chemical | Date Collected: | 04/17/25 |
| Project: | PVSC Monthly 2025 | Date Received: | 04/17/25 |
| Client Sample ID: | EFF-WASTE-WATERDL | SDG No.: | Q1833 |
| Lab Sample ID: | Q1833-02DL | Matrix: | Water |
| Analytical Method: | 625.1 | % Solid: | 0 |
| Sample Wt/Vol: | 990 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOCMS Group1 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |
| Prep Method : | 3510C | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BF142215.D | 10 | 04/21/25 08:55 | 04/22/25 16:50 | PB167672 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 62-75-9 | n-Nitrosodimethylamine | 8.70 | UD | 8.70 | 100 | ug/L |
| 108-95-2 | Phenol | 9.20 | UD | 9.20 | 50.5 | ug/L |
| 111-44-4 | bis(2-Chloroethyl)ether | 8.20 | UD | 8.20 | 50.5 | ug/L |
| 95-57-8 | 2-Chlorophenol | 5.90 | UD | 5.90 | 50.5 | ug/L |
| 108-60-1 | 2,2-oxybis(1-Chloropropane) | 12.9 | UD | 12.9 | 50.5 | ug/L |
| 621-64-7 | n-Nitroso-di-n-propylamine | 14.2 | UD | 14.2 | 50.5 | ug/L |
| 67-72-1 | Hexachloroethane | 6.60 | UD | 6.60 | 50.5 | ug/L |
| 98-95-3 | Nitrobenzene | 7.70 | UD | 7.70 | 50.5 | ug/L |
| 78-59-1 | Isophorone | 7.60 | UD | 7.60 | 50.5 | ug/L |
| 88-75-5 | 2-Nitrophenol | 17.8 | UD | 17.8 | 50.5 | ug/L |
| 105-67-9 | 2,4-Dimethylphenol | 18.7 | UD | 18.7 | 50.5 | ug/L |
| 111-91-1 | bis(2-Chloroethoxy)methane | 6.90 | UD | 6.90 | 50.5 | ug/L |
| 120-83-2 | 2,4-Dichlorophenol | 5.30 | UD | 5.30 | 50.5 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 5.50 | UD | 5.50 | 50.5 | ug/L |
| 91-20-3 | Naphthalene | 5.10 | UD | 5.10 | 50.5 | ug/L |
| 87-68-3 | Hexachlorobutadiene | 5.50 | UD | 5.50 | 50.5 | ug/L |
| 59-50-7 | 4-Chloro-3-methylphenol | 6.00 | UD | 6.00 | 50.5 | ug/L |
| 77-47-4 | Hexachlorocyclopentadiene | 36.7 | UDQ | 36.7 | 100 | ug/L |
| 88-06-2 | 2,4,6-Trichlorophenol | 5.20 | UD | 5.20 | 50.5 | ug/L |
| 91-58-7 | 2-Chloronaphthalene | 6.20 | UD | 6.20 | 50.5 | ug/L |
| 131-11-3 | Dimethylphthalate | 6.20 | UD | 6.20 | 50.5 | ug/L |
| 208-96-8 | Acenaphthylene | 7.60 | UD | 7.60 | 50.5 | ug/L |
| 606-20-2 | 2,6-Dinitrotoluene | 9.30 | UD | 9.30 | 50.5 | ug/L |
| 83-32-9 | Acenaphthene | 5.60 | UD | 5.60 | 50.5 | ug/L |
| 51-28-5 | 2,4-Dinitrophenol | 60.3 | UD | 60.3 | 100 | ug/L |
| 100-02-7 | 4-Nitrophenol | 24.0 | UD | 24.0 | 100 | ug/L |
| 121-14-2 | 2,4-Dinitrotoluene | 12.3 | UD | 12.3 | 50.5 | ug/L |
| 84-66-2 | Diethylphthalate | 7.00 | UD | 7.00 | 50.5 | ug/L |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 6.90 | UD | 6.90 | 50.5 | ug/L |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Ardmore Chemical | Date Collected: | 04/17/25 |
| Project: | PVSC Monthly 2025 | Date Received: | 04/17/25 |
| Client Sample ID: | EFF-WASTE-WATERDL | SDG No.: | Q1833 |
| Lab Sample ID: | Q1833-02DL | Matrix: | Water |
| Analytical Method: | 625.1 | % Solid: | 0 |
| Sample Wt/Vol: | 990 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOCMS Group1 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |
| Prep Method : | 3510C | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BF142215.D | 10 | 04/21/25 08:55 | 04/22/25 16:50 | PB167672 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| 86-73-7 | Fluorene | 6.40 | UD | 6.40 | 50.5 | ug/L |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 29.1 | UD | 29.1 | 100 | ug/L |
| 86-30-6 | n-Nitrosodiphenylamine | 5.90 | UD | 5.90 | 50.5 | ug/L |
| 103-33-3 | Azobenzene | 8.20 | UD | 8.20 | 50.5 | ug/L |
| 101-55-3 | 4-Bromophenyl-phenylether | 4.00 | UD | 4.00 | 50.5 | ug/L |
| 118-74-1 | Hexachlorobenzene | 5.30 | UD | 5.30 | 50.5 | ug/L |
| 87-86-5 | Pentachlorophenol | 16.0 | UD | 16.0 | 100 | ug/L |
| 85-01-8 | Phenanthrene | 5.10 | UD | 5.10 | 50.5 | ug/L |
| 120-12-7 | Anthracene | 6.20 | UD | 6.20 | 50.5 | ug/L |
| 84-74-2 | Di-n-butylphthalate | 12.3 | UD | 12.3 | 50.5 | ug/L |
| 206-44-0 | Fluoranthene | 8.30 | UD | 8.30 | 50.5 | ug/L |
| 92-87-5 | Benzidine | 580 | D | 43.2 | 100 | ug/L |
| 129-00-0 | Pyrene | 5.10 | UD | 5.10 | 50.5 | ug/L |
| 85-68-7 | Butylbenzylphthalate | 19.5 | UD | 19.5 | 50.5 | ug/L |
| 91-94-1 | 3,3-Dichlorobenzidine | 9.40 | UD | 9.40 | 100 | ug/L |
| 56-55-3 | Benzo(a)anthracene | 4.50 | UD | 4.50 | 50.5 | ug/L |
| 218-01-9 | Chrysene | 4.40 | UD | 4.40 | 50.5 | ug/L |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | 16.2 | UD | 16.2 | 50.5 | ug/L |
| 117-84-0 | Di-n-octyl phthalate | 23.6 | UD | 23.6 | 100 | ug/L |
| 205-99-2 | Benzo(b)fluoranthene | 4.90 | UD | 4.90 | 50.5 | ug/L |
| 207-08-9 | Benzo(k)fluoranthene | 4.80 | UD | 4.80 | 50.5 | ug/L |
| 50-32-8 | Benzo(a)pyrene | 5.60 | UD | 5.60 | 50.5 | ug/L |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 6.00 | UD | 6.00 | 50.5 | ug/L |
| 53-70-3 | Dibenzo(a,h)anthracene | 6.80 | UD | 6.80 | 50.5 | ug/L |
| 191-24-2 | Benzo(g,h,i)perylene | 7.00 | UD | 7.00 | 50.5 | ug/L |
| **SURROGATES** | | | | | | |
| 367-12-4 | 2-Fluorophenol | 71.2 | | 60 - 140 | 71% | SPK: 100 |
| 13127-88-3 | Phenol-d6 | 54.6 | * | 60 - 140 | 55% | SPK: 100 |
| 4165-60-0 | Nitrobenzene-d5 | 115 | | 60 - 140 | 115% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 142 | * | 60 - 140 | 142% | SPK: 100 |

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Fax : 908 789 8922



# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Ardmore Chemical | Date Collected: | 04/17/25 |
| Project: | PVSC Monthly 2025 | Date Received: | 04/17/25 |
| Client Sample ID: | EFF-WASTE-WATERDL | SDG No.: | Q1833 |
| Lab Sample ID: | Q1833-02DL | Matrix: | Water |
| Analytical Method: | 625.1 | % Solid: | 0 |
| Sample Wt/Vol: | 990 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOCMS Group1 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |
| Prep Method : | 3510C | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BF142215.D | 10 | 04/21/25 08:55 | 04/22/25 16:50 | PB167672 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| 118-79-6 | 2,4,6-Tribromophenol | 85.6 | | 60 - 140 | 86% | SPK: 100 |
| 1718-51-0 | Terphenyl-d14 | 88.9 | | 60 - 140 | 89% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 332000 | 6.863 | | | |
| 1146-65-2 | Naphthalene-d8 | 1200000 | 8.145 | | | |
| 15067-26-2 | Acenaphthene-d10 | 549000 | 9.898 | | | |
| 1517-22-2 | Phenanthrene-d10 | 774000 | 11.386 | | | |
| 1719-03-5 | Chrysene-d12 | 952000 | 14.027 | | | |
| 1520-96-3 | Perylene-d12 | 1070000 | 15.498 | | | |

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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# LAB CHRONICLE

| | | | |
|---|---|---|---|
| **OrderID:** | Q1833 | **OrderDate:** | 4/17/2025 2:07:00 PM |
| **Client:** | Ardmore Chemical | **Project:** | PVSC Monthly 2025 |
| **Contact:** | Michael Sharphouse | **Location:** | L31,VOA Ref. #3 Water |

| LabID | ClientID | Matrix | Test | Method | Sample Date | Prep Date | Anal Date | Received |
|---|---|---|---|---|---|---|---|---|
| **Q1833-02** | **EFF-WASTE-WATER** | **Water** | | | **04/17/25** | | | **04/17/25** |
| | | | SVOCMS Group1 | 625.1 | | 04/21/25 | 04/22/25 | |
| **Q1833-02DL** | **EFF-WASTE-WATERDL** | **Water** | | | **04/17/25** | | | **04/17/25** |
| | | | SVOCMS Group1 | 625.1 | | 04/21/25 | 04/22/25 | |

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# Hit Summary Sheet
**SW-846**

**SDG No.:** Q1833 **Order ID:** Q1833

**Client:** Ardmore Chemical **Project ID:** PVSC Monthly 2025

| Sample ID | Client ID | Matrix | Parameter | Concentration | C | MDL | RDL | Units |
|---|---|---|---|---|---|---|---|---|
| **Client ID : EFF-WASTE-WATER** | | | | | | | | |
| Q1833-02 | EFF-WASTE-WATER | Water | Lead | 2.51 | J | 1.21 | 6.00 | ug/L |
| Q1833-02 | EFF-WASTE-WATER | Water | Zinc | 146 | | 2.00 | 20.0 | ug/L |

# SAMPLE DATA

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Ardmore Chemical | Date Collected: | 04/17/25 |
| Project: | PVSC Monthly 2025 | Date Received: | 04/17/25 |
| Client Sample ID: | EFF-WASTE-WATER | SDG No.: | Q1833 |
| Lab Sample ID: | Q1833-02 | Matrix: | Water |
| Level (low/med): | low | % Solid: | 0 |

| Cas | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Prep Date | Date Ana. | Ana Met. | Prep Met. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 7439-92-1 | Lead | 2.51 | J | 1 | 1.21 | 6.00 | ug/L | 04/21/25 10:35 | 04/22/25 13:43 | EPA 200.7 | |
| 7439-97-6 | Mercury | 0.027 | U | 1 | 0.027 | 0.20 | ug/L | 04/22/25 14:14 | 04/22/25 14:20 | E245.1 | |
| 7440-66-6 | Zinc | 146 | | 1 | 2.00 | 20.0 | ug/L | 04/21/25 10:35 | 04/22/25 13:43 | EPA 200.7 | |

| | | | | | |
|---|---|---|---|---|---|
| Color Before: | Colorless | Clarity Before: | Cloudy | Texture: | |
| Color After: | Colorless | Clarity After: | Clear | Artifacts: | |
| Comments: | Metals Group2 | | | | |

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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# LAB CHRONICLE

| | | | |
|---|---|---|---|
| **OrderID:** | Q1833 | **OrderDate:** | 4/17/2025 2:07:00 PM |
| **Client:** | Ardmore Chemical | **Project:** | PVSC Monthly 2025 |
| **Contact:** | Michael Sharphouse | **Location:** | L31,VOA Ref. #3 Water |

| LabID | ClientID | Matrix | Test | Method | Sample Date | Prep Date | Anal Date | Received |
|---|---|---|---|---|---|---|---|---|
| **Q1833-02** | **EFF-WASTE-WATER** | **Water** | | | **04/17/25** | | | **04/17/25** |
| | | | Mercury | 245.1 | | 04/22/25 | 04/22/25 | |
| | | | Metals Group3 | 200.7 | | 04/21/25 | 04/22/25 | |

# SAMPLE DATA

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922



# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Ardmore Chemical | Date Collected: | 04/17/25 12:30 |
| Project: | PVSC Monthly 2025 | Date Received: | 04/17/25 |
| Client Sample ID: | EFF-WASTE-WATER | SDG No.: | Q1833 |
| Lab Sample ID: | Q1833-01 | Matrix: | WATER |
| | | % Solid: | 0 |

| Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Prep Date | Date Ana. | Ana Met. |
|---|---|---|---|---|---|---|---|---|---|
| Cyanide | 0.0014 | J | 1 | 0.0012 | 0.0050 | mg/L | 04/21/25 09:40 | 04/21/25 13:21 | SM 4500-CN C-16 plus E-16 |

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922



# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | Ardmore Chemical | Date Collected: | 04/17/25 12:30 |
| Project: | PVSC Monthly 2025 | Date Received: | 04/17/25 |
| Client Sample ID: | EFF-WASTE-WATER | SDG No.: | Q1833 |
| Lab Sample ID: | Q1833-02 | Matrix: | WATER |
| | | % Solid: | 0 |

| Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Prep Date | Date Ana. | Ana Met. |
|---|---|---|---|---|---|---|---|---|---|
| BOD5 | 1100 | | 1 | 0.20 | 2.00 | mg/L | | 04/18/25 13:45 | SM 5210 B-16 |
| TSS | 88.5 | | 1 | 1.00 | 4.00 | mg/L | | 04/21/25 10:00 | SM 2540 D-15 |

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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# LAB CHRONICLE

| | | | |
|---|---|---|---|
| **OrderID:** | Q1833 | **OrderDate:** | 4/17/2025 2:07:00 PM |
| **Client:** | Ardmore Chemical | **Project:** | PVSC Monthly 2025 |
| **Contact:** | Michael Sharphouse | **Location:** | L31,VOA Ref. #3 Water |

| LabID | ClientID | Matrix | Test | Method | Sample Date | Prep Date | Anal Date | Received |
|---|---|---|---|---|---|---|---|---|
| **Q1833-01** | **EFF-WASTE-WATER** | **WATER** | | | **04/17/25 12:30** | | | **04/17/25** |
| | | | Cyanide | SM4500-CN C,E | | 04/21/25 | 04/21/25 13:21 | |
| **Q1833-02** | **EFF-WASTE-WATER** | **WATER** | | | **04/17/25 12:30** | | | **04/17/25** |
| | | | BOD5 | SM5210 B | | | 04/18/25 13:45 | |
| | | | TSS | SM2540 D | | | 04/21/25 10:00 | |

# SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO. Q1833
QUOTE NO.
COC Number 2045802

9
9.1

## CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: ARDMORE
ADDRESS: 29 RIVERSIDE AVE
CITY NEWARK STATE NJ ZIP 07104
ATTENTION: MICHAEL SHARTHOUSE
PHONE: 973 481-2406 FAX:

## CLIENT PROJECT INFORMATION

PROJECT NAME: PVSC MONTHLY
PROJECT NO.: LOCATION:
PROJECT MANAGER:
e-mail:
PHONE: FAX:

## CLIENT BILLING INFORMATION

BILL TO: PO#:
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:

## DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): STANDARD DAYS*
EDD: _____ DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

## DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only)
- ☐ Level 2 (Results + QC)
- ☐ Level 3 (Results + QC + Raw Data)
- ☐ Level 4 (QC + Full Raw Data)
- ☐ NJ Reduced
- ☐ NYS ASP A
- ☐ NYS ASP B
- ☐ US EPA CLP
- ☐ Other
- ☐ EDD FORMAT

## ANALYSIS

1: VOC 2: CN 3: SVOC 4: BOD/TSS 5: METALS 6 7 8 9

| ALLIANCE SAMPLE ID | PROJECT SAMPLE IDENTIFICATION | SAMPLE MATRIX | SAMPLE TYPE COMP | SAMPLE TYPE GRAB | SAMPLE COLLECTION DATE | SAMPLE COLLECTION TIME | # OF BOTTLES | PRESERVATIVES 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | COMMENTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | EFF WASTE WATER | WW | | X | 4/17/25 | 12:30 PM | 3 | X | X | | | | | | | | PH-12 Lot# HC175724 |
| 2. | EFF WASTE WATER | WW | X | | 4/17/25 | 12:30 PM | 3 | | | X | X | X | | | | | PH-1-3 Lot# 8030441 |
| 3. | | | | | | | | | | | | | | | | | |
| 4. | | | | | | | | | | | | | | | | | |
| 5. | | | | | | | | | | | | | | | | | |
| 6. | | | | | | | | | | | | | | | | | |
| 7. | | | | | | | | | | | | | | | | | |
| 8. | | | | | | | | | | | | | | | | | |
| 9. | | | | | | | | | | | | | | | | | |
| 10. | | | | | | | | | | | | | | | | | |

PRESERVATIVES: ← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

## SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

| RELINQUISHED BY SAMPLER: | DATE/TIME: | RECEIVED BY: |
|---|---|---|
| 1 Albert Shanghon | 4/17/25 12:30 PM | 1. Albert Shanghon 4/17/25 12:30 PM |
| RELINQUISHED BY SAMPLER: | DATE/TIME: 1155 | RECEIVED BY: |
| 2. | 4/17/25 | 2. |
| RELINQUISHED BY SAMPLER: | DATE/TIME: | RECEIVED BY: |
| 3. | | 3. |

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.3°C °C
Comments: METALS LEAD, ZINC (adjust Factor #1) IN #WW #1

Page _____ of

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO


Q1833
WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

# Laboratory Certification

| Certified By | License No. |
|---|---|
| | |
| CAS EPA CLP Contract | 68HERH20D0011 |
| | |
| Connecticut | PH-0830 |
| | |
| DOD ELAP (ANAB) | L2219 |
| | |
| Maine | 2024021 |
| | |
| Maryland | 296 |
| | |
| New Hampshire | 255424 Rev 1 |
| | |
| New Jersey | 20012 |
| | |
| New York | 11376 |
| | |
| Pennsylvania | 68-00548 |
| | |
| Soil Permit | 525-24-234-08441 |
| | |
| Texas | T104704488 |

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922



# LOGIN REPORT/SAMPLE TRANSFER

**Order ID :** Q1833 ARDM01
**Client Name :** Ardmore Chemical
**Client Contact :** Michael Sharphouse
**Invoice Name :** Ardmore Chemical
**Invoice Contact :** Michael Sharphouse

**Order Date :** 4/17/2025 2:07:00 PM
**Project Name :** PVSC Monthly 2025
**Receive DateTime :** 4/17/2025 11:55:00 AM
**Purchase Order :**

**Project Mgr :**
**Report Type :** Level 1
**EDD Type :** NONE
**Hard Copy Date :**
**Date Signoff :**

| LAB ID | CLIENT ID | MATRIX | SAMPLE DATE | SAMPLE TIME | TEST | TEST GROUP | METHOD | FAX DATE | DUE DATES |
|---|---|---|---|---|---|---|---|---|---|
| Q1833-01 | EFF-WASTE-WATER | Water | 04/17/2025 | 12:30 | | | | | |
| | | | | | VOC-PP | | 624.1 | | 3 Bus. Days |

stored in VOA
Sf # 05

**Relinguished By :** [signature]
**Date / Time :** 4/17/25 1512

**Received By :** [signature] 16:45
**Date / Time :** 4-17-25

**Storage Area :** VOA Refridgerator Room