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 : Q1456

ATTENTION : Michael Sharphouse

Laboratory Certification ID # 20012

Table Of Contents for Q1456

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Cover Page

Order ID : Q1456

Project ID : PVSC Monthly 2025

Client : Ardmore Chemical

Lab Sample Number	Client Sample Number
Q1456-01	EFF-WASTE WATER
Q1456-02	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: 3/12/2025

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 # Q1456
Test Name: VOC-PP

A. Number of Samples and Date of Receipt:
2 Water samples were received on 02/27/2025.

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 VOC-PP.

C. Analytical Techniques:
The analysis perform ed on instrument MSVOA_X were done using GC colu mn DB-624UI 20m 0.18mm 1.0 um . Cat#121-1324UIThe 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 Initial Calibration met the requirements.
The Continuous Calibration met the requirements.
The Tuning criteria met requirements.
Samples EFF-WASTE WATER was diluted due to foamy nature of 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.”

Trip Blank was not provided with this set of samples.
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

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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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Signature_____

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CASE NARRATIVE

Ardmore Chemical
Project Name: PVSC Monthly 2025
Project # N/A
Chemtech Project # Q1456
Test Name: SVOCMS Group1

A. Number of Samples and Date of Receipt:
2 Water samples were received on 02/27/2025.

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_M using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGAThe 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 [2-Fluorophenol - 47%, Phenol-d6 - 29%], surrogates failed in the sample EFF-WASTE WATER due to matrix interference therefore no 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 {PB166933BS} with File ID: BM049678.D met requirements for all samples except for 4,6-Dinitro-2-methylphenol[131%], Hexachlorocyclopentadiene [290%]. The associate samples have no positive hit for these compounds therefore no corrective action was taken.

The Blank Spike Duplicate for {PB166933BSD} with File ID: BM049679.D met requirements for all samples except for Hexachlorocyclopentadiene[280%]. The associate samples have no positive hit for these compounds therefore no corrective action was taken.

The Blank analysis did not indicate the presence of lab contamination.
The % RSD is greater than 20% in the Initial Calibration (8270-BM020525.M) for Pentachlorophenol this compound is passing on Linear Regression and 2-Nitrophenol, 2,4-Dinitrophenol, 2,4-Dinitrotoluene,4,6-Dinitro-2-methylphenol these are passing on Quadratic regression.

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The Continuous Calibration File ID BM049675.D met the requirements except for 2,4,6-Trichlorophenol,2,4-Dinitrophenol,2,6-Dinitrotoluene,2-Nitrophenol,3,3-dichlorobenzidine,4,6-Dinitro-2-methylphenol,Benzidine,Benzo(g,h,i)perylene, Dibenzo(a,h)anthracene,Hexachlorocyclopentadiene and Indeno(1,2,3-cd)pyrene .The associate samples have no positive hit for these compounds therefore no corrective action was required.
The Tuning criteria met requirements.

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 <15% 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 > 15% 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 # Q1456
Test Name: Metals ICP-Group,Mercury

A. Number of Samples and Date of Receipt:
2 Water samples were received on 02/27/2025.

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 Metals ICP-Group,Mercury.

C. Analytical Techniques:
The analysis and digestion of Metals ICP-Group 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:

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CASE NARRATIVE

Ardmore Chemical
Project Name: PVSC Monthly 2025
Project # N/A
Chemtech Project # Q1456
Test Name: Cyanide,BOD5,TSS

A. Number of Samples and Date of Receipt:
2 Water samples were received on 02/27/2025.

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:

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_____

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 **"P"** for ICP instrument **"PM"** for ICP when Microwave Digestion is used **"CV"** for Manual Cold Vapor AA **"AV"** for automated Cold Vapor AA **"CA"** for MIDI-Distillation Spectrophotometric **"AS"** for Semi –Automated Spectrophotometric **"C"** for Manual Spectrophotometric **"T"** for Titrimetric **"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: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (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 #: Q1456

	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:** 03/12/2025

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Hit Summary Sheet
SW-846

SDG No.: Q1456

Client: Ardmore Chemical

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**EFF-WASTE WATER**							
Q1456-01	EFF-WASTE WATE	Water	Chloroform	11.6	J	3.60	25.0	ug/L
			Total Voc :	11.6				
			Total Concentration:	11.6				

SAMPLE DATA

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Report of Analysis

Client:	Ardmore Chemical	Date Collected:	02/27/25
Project:	PVSC Monthly 2025	Date Received:	02/27/25
Client Sample ID:	EFF-WASTE WATER	SDG No.:	Q1456
Lab Sample ID:	Q1456-01	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045123.D	5		03/04/25 10:31	VX030425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
74-87-3	Chloromethane	5.90	U	5.90	25.0	ug/L
75-01-4	Vinyl Chloride	6.10	U	6.10	25.0	ug/L
74-83-9	Bromomethane	6.90	U	6.90	25.0	ug/L
75-00-3	Chloroethane	14.6	U	14.6	25.0	ug/L
75-69-4	Trichlorofluoromethane	5.10	U	5.10	25.0	ug/L
75-35-4	1,1-Dichloroethene	5.30	U	5.30	25.0	ug/L
107-02-8	Acrolein	46.5	U	46.5	130	ug/L
107-13-1	Acrylonitrile	18.4	U	18.4	130	ug/L
75-09-2	Methylene Chloride	6.10	U	6.10	25.0	ug/L
156-60-5	trans-1,2-Dichloroethene	4.80	U	4.80	25.0	ug/L
75-34-3	1,1-Dichloroethane	4.10	U	4.10	25.0	ug/L
56-23-5	Carbon Tetrachloride	4.60	U	4.60	25.0	ug/L
67-66-3	Chloroform	11.6	J	3.60	25.0	ug/L
71-55-6	1,1,1-Trichloroethane	4.00	U	4.00	25.0	ug/L
71-43-2	Benzene	3.50	U	3.50	25.0	ug/L
107-06-2	1,2-Dichloroethane	3.80	U	3.80	25.0	ug/L
79-01-6	Trichloroethene	3.90	U	3.90	25.0	ug/L
78-87-5	1,2-Dichloropropane	3.30	U	3.30	25.0	ug/L
75-27-4	Bromodichloromethane	4.10	U	4.10	25.0	ug/L
108-88-3	Toluene	3.60	U	3.60	25.0	ug/L
10061-02-6	t-1,3-Dichloropropene	4.00	U	4.00	25.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	4.20	U	4.20	25.0	ug/L
79-00-5	1,1,2-Trichloroethane	3.40	U	3.40	25.0	ug/L
110-75-8	2-Chloroethyl vinyl ether	28.2	U	28.2	130	ug/L
124-48-1	Dibromochloromethane	3.60	U	3.60	25.0	ug/L
127-18-4	Tetrachloroethene	4.70	U	4.70	25.0	ug/L
108-90-7	Chlorobenzene	3.40	U	3.40	25.0	ug/L
100-41-4	Ethyl Benzene	3.70	U	3.70	25.0	ug/L
179601-23-1	m/p-Xylenes	8.60	U	8.60	50.0	ug/L
95-47-6	o-Xylene	4.10	U	4.10	25.0	ug/L

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Report of Analysis

Client:	Ardmore Chemical	Date Collected:	02/27/25
Project:	PVSC Monthly 2025	Date Received:	02/27/25
Client Sample ID:	EFF-WASTE WATER	SDG No.:	Q1456
Lab Sample ID:	Q1456-01	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX045123.D	5		03/04/25 10:31	VX030425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
75-25-2	Bromoform	5.00	U	5.00	25.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	3.00	U	3.00	25.0	ug/L
541-73-1	1,3-Dichlorobenzene	4.40	U	4.40	25.0	ug/L
106-46-7	1,4-Dichlorobenzene	4.80	U	4.80	25.0	ug/L
95-50-1	1,2-Dichlorobenzene	4.40	U	4.40	25.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	30.8		91 - 110	103%	SPK: 30
2037-26-5	Toluene-d8	29.1		91 - 112	97%	SPK: 30
460-00-4	4-Bromofluorobenzene	28.2		63 - 112	94%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	15200	4.885			
540-36-3	1,4-Difluorobenzene	81800	6.757			
3114-55-4	Chlorobenzene-d5	77100	10.049			

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:	Q1456	**OrderDate:**	2/27/2025 12:51:00 PM
Client:	Ardmore Chemical	**Project:**	PVSC Monthly 2025
Contact:	Michael Sharphouse	**Location:**	H11,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1456-01	**EFF-WASTE WATER**	**Water**			**02/27/25**			**02/27/25**
			VOC-PP	624.1			03/04/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1456

Client: Ardmore Chemical

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID :	**EFF-WASTE WATER**							
Q1456-02	EFF-WASTE WATER	WATER	Phenol	3.200	J	1.1	5.7	ug/L
Q1456-02	EFF-WASTE WATER	WATER	Diethylphthalate	3.900	J	1.2	5.7	ug/L
Q1456-02	EFF-WASTE WATER	WATER	Pentachlorophenol	12.300		2.1	11.5	ug/L
Q1456-02	EFF-WASTE WATER	WATER	Di-n-butylphthalate	3.500	J	1.7	5.7	ug/L
			Total Svoc :	**22.90**				
			Total Concentration:	**22.90**				

SAMPLE DATA

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Report of Analysis

Client:	Ardmore Chemical	Date Collected:	02/27/25
Project:	PVSC Monthly 2025	Date Received:	02/27/25
Client Sample ID:	EFF-WASTE WATER	SDG No.:	Q1456
Lab Sample ID:	Q1456-02	Matrix:	Water
Analytical Method:	625.1	% Solid:	0
Sample Wt/Vol:	870 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
BM049681.D	1	02/28/25 08:40	02/28/25 16:36	PB166933

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
62-75-9	n-Nitrosodimethylamine	1.20	U	1.20	11.5	ug/L
108-95-2	Phenol	3.20	J	1.10	5.70	ug/L
111-44-4	bis(2-Chloroethyl)ether	1.40	U	1.40	5.70	ug/L
95-57-8	2-Chlorophenol	0.82	U	0.82	5.70	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.60	U	1.60	5.70	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.70	U	1.70	5.70	ug/L
67-72-1	Hexachloroethane	1.20	U	1.20	5.70	ug/L
98-95-3	Nitrobenzene	1.50	U	1.50	5.70	ug/L
78-59-1	Isophorone	1.30	U	1.30	5.70	ug/L
88-75-5	2-Nitrophenol	2.30	U	2.30	5.70	ug/L
105-67-9	2,4-Dimethylphenol	1.70	U	1.70	5.70	ug/L
111-91-1	bis(2-Chloroethoxy)methane	1.20	U	1.20	5.70	ug/L
120-83-2	2,4-Dichlorophenol	1.00	U	1.00	5.70	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.30	U	1.30	5.70	ug/L
91-20-3	Naphthalene	1.20	U	1.20	5.70	ug/L
87-68-3	Hexachlorobutadiene	1.50	U	1.50	5.70	ug/L
59-50-7	4-Chloro-3-methylphenol	0.97	U	0.97	5.70	ug/L
77-47-4	Hexachlorocyclopentadiene	5.80	UQ	5.80	11.5	ug/L
88-06-2	2,4,6-Trichlorophenol	1.00	U	1.00	5.70	ug/L
91-58-7	2-Chloronaphthalene	1.10	U	1.10	5.70	ug/L
131-11-3	Dimethylphthalate	1.10	U	1.10	5.70	ug/L
208-96-8	Acenaphthylene	1.20	U	1.20	5.70	ug/L
606-20-2	2,6-Dinitrotoluene	1.40	U	1.40	5.70	ug/L
83-32-9	Acenaphthene	0.93	U	0.93	5.70	ug/L
51-28-5	2,4-Dinitrophenol	7.40	U	7.40	11.5	ug/L
100-02-7	4-Nitrophenol	2.30	U	2.30	11.5	ug/L
121-14-2	2,4-Dinitrotoluene	1.70	U	1.70	5.70	ug/L
84-66-2	Diethylphthalate	3.90	J	1.20	5.70	ug/L
7005-72-3	4-Chlorophenyl-phenylether	1.10	U	1.10	5.70	ug/L

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Ardmore Chemical	Date Collected:	02/27/25
Project:	PVSC Monthly 2025	Date Received:	02/27/25
Client Sample ID:	EFF-WASTE WATER	SDG No.:	Q1456
Lab Sample ID:	Q1456-02	Matrix:	Water
Analytical Method:	625.1	% Solid:	0
Sample Wt/Vol:	870 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
BM049681.D	1	02/28/25 08:40	02/28/25 16:36	PB166933

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
86-73-7	Fluorene	1.10	U	1.10	5.70	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	3.50	UQ	3.50	11.5	ug/L
86-30-6	n-Nitrosodiphenylamine	1.00	U	1.00	5.70	ug/L
103-33-3	Azobenzene	1.40	U	1.40	5.70	ug/L
101-55-3	4-Bromophenyl-phenylether	1.10	U	1.10	5.70	ug/L
118-74-1	Hexachlorobenzene	1.30	U	1.30	5.70	ug/L
87-86-5	Pentachlorophenol	12.3		2.10	11.5	ug/L
85-01-8	Phenanthrene	1.00	U	1.00	5.70	ug/L
120-12-7	Anthracene	1.20	U	1.20	5.70	ug/L
84-74-2	Di-n-butylphthalate	3.50	J	1.70	5.70	ug/L
206-44-0	Fluoranthene	1.50	U	1.50	5.70	ug/L
92-87-5	Benzidine	4.70	U	4.70	11.5	ug/L
129-00-0	Pyrene	1.20	U	1.20	5.70	ug/L
85-68-7	Butylbenzylphthalate	2.40	U	2.40	5.70	ug/L
91-94-1	3,3-Dichlorobenzidine	1.50	U	1.50	11.5	ug/L
56-55-3	Benzo(a)anthracene	1.10	U	1.10	5.70	ug/L
218-01-9	Chrysene	0.99	U	0.99	5.70	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	2.20	U	2.20	5.70	ug/L
117-84-0	Di-n-octyl phthalate	2.90	U	2.90	11.5	ug/L
205-99-2	Benzo(b)fluoranthene	1.30	U	1.30	5.70	ug/L
207-08-9	Benzo(k)fluoranthene	1.40	U	1.40	5.70	ug/L
50-32-8	Benzo(a)pyrene	1.90	U	1.90	5.70	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1.20	U	1.20	5.70	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.30	U	1.30	5.70	ug/L
191-24-2	Benzo(g,h,i)perylene	1.40	U	1.40	5.70	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	46.6	*	60 - 140	47%	SPK: 100
13127-88-3	Phenol-d6	28.9	*	60 - 140	29%	SPK: 100
4165-60-0	Nitrobenzene-d5	102		60 - 140	102%	SPK: 100
321-60-8	2-Fluorobiphenyl	95.2		60 - 140	95%	SPK: 100

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Report of Analysis

Client:	Ardmore Chemical	Date Collected:	02/27/25
Project:	PVSC Monthly 2025	Date Received:	02/27/25
Client Sample ID:	EFF-WASTE WATER	SDG No.:	Q1456
Lab Sample ID:	Q1456-02	Matrix:	Water
Analytical Method:	625.1	% Solid:	0
Sample Wt/Vol:	870 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
BM049681.D	1	02/28/25 08:40	02/28/25 16:36	PB166933

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	124		60 - 140	124%	SPK: 100
1718-51-0	Terphenyl-d14	85.6		60 - 140	86%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	263000	7.804			
1146-65-2	Naphthalene-d8	957000	10.598			
15067-26-2	Acenaphthene-d10	660000	14.445			
1517-22-2	Phenanthrene-d10	1420000	17.186			
1719-03-5	Chrysene-d12	1790000	21.427			
1520-96-3	Perylene-d12	1610000	24.439			

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:	Q1456	**OrderDate:**	2/27/2025 12:51:00 PM
Client:	Ardmore Chemical	**Project:**	PVSC Monthly 2025
Contact:	Michael Sharphouse	**Location:**	H11,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1456-02	**EFF-WASTE WATER**	**Water**			**02/27/25**			**02/27/25**
			SVOCMS Group1	625.1		02/28/25	02/28/25	

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Hit Summary Sheet
SW-846

SDG No.:	Q1456	**Order ID:**	Q1456
Client:	Ardmore Chemical	**Project ID:**	PVSC Monthly 2025

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : EFF-WASTE WATER								
Q1456-02	EFF-WASTE WATER	Water	Copper	808		1.52	10.0	ug/L
Q1456-02	EFF-WASTE WATER	Water	Lead	3.74	J	1.57	6.00	ug/L
Q1456-02	EFF-WASTE WATER	Water	Nickel	1.86	J	1.28	20.0	ug/L
Q1456-02	EFF-WASTE WATER	Water	Zinc	309		1.44	20.0	ug/L

SAMPLE DATA

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Report of Analysis

Client:	Ardmore Chemical	Date Collected:	02/27/25
Project:	PVSC Monthly 2025	Date Received:	02/27/25
Client Sample ID:	EFF-WASTE WATER	SDG No.:	Q1456
Lab Sample ID:	Q1456-02	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.
7440-43-9	Cadmium	0.21	U	1	0.21	3.00	ug/L	02/28/25 08:45	03/04/25 11:17	EPA 200.7	
7440-50-8	Copper	808		1	1.52	10.0	ug/L	02/28/25 08:45	03/04/25 11:17	EPA 200.7	
7439-92-1	Lead	3.74	J	1	1.57	6.00	ug/L	02/28/25 08:45	03/04/25 11:17	EPA 200.7	
7439-97-6	Mercury	0.022	U	1	0.022	0.20	ug/L	03/04/25 10:15	03/04/25 16:06	E245.1	
7440-02-0	Nickel	1.86	J	1	1.28	20.0	ug/L	02/28/25 08:45	03/04/25 11:17	EPA 200.7	
7440-66-6	Zinc	309		1	1.44	20.0	ug/L	02/28/25 08:45	03/04/25 11:17	EPA 200.7	

Color Before:	Colorless	Clarity Before:	Clear	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:	Q1456	**OrderDate:**	2/27/2025 12:51:00 PM
Client:	Ardmore Chemical	**Project:**	PVSC Monthly 2025
Contact:	Michael Sharphouse	**Location:**	H11,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1456-02	**EFF-WASTE WATER**	**Water**			**02/27/25**			**02/27/25**
			Mercury	245.1		03/04/25	03/04/25	
			Metals ICP-Group	200.7		02/28/25	03/04/25	

SAMPLE DATA

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Report of Analysis

Client:	Ardmore Chemical	Date Collected:	02/27/25 09:15
Project:	PVSC Monthly 2025	Date Received:	02/27/25
Client Sample ID:	EFF-WASTE WATER	SDG No.:	Q1456
Lab Sample ID:	Q1456-01	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.00093	U	1	0.00093	0.0050	mg/L	02/28/25 12:30	02/28/25 15:27	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

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Report of Analysis

Client:	Ardmore Chemical	Date Collected:	02/27/25 09:00
Project:	PVSC Monthly 2025	Date Received:	02/27/25
Client Sample ID:	EFF-WASTE WATER	SDG No.:	Q1456
Lab Sample ID:	Q1456-02	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
BOD5	224		1	0.17	2.00	mg/L		02/28/25 16:00	SM 5210 B-16
TSS	36.2		1	1.00	4.00	mg/L		02/28/25 11:00	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:	Q1456	**OrderDate:**	2/27/2025 12:51:00 PM
Client:	Ardmore Chemical	**Project:**	PVSC Monthly 2025
Contact:	Michael Sharphouse	**Location:**	H11,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1456-01	**EFF-WASTE WATER**	**WATER**			**02/27/25 09:15**			**02/27/25**
			Cyanide	SM4500-CN C,E		02/28/25	02/28/25 15:27	
Q1456-02	**EFF-WASTE WATER**	**WATER**			**02/27/25 09:00**			**02/27/25**
			BOD5	SM5210 B			02/28/25 16:00	
			TSS	SM2540 D			02/28/25 11:00	

SHIPPING DOCUMENTS

CHEMTECH
CHAIN OF CUSTODY RECORD

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

CHEMTECH PROJECT NO. Q1456
QUOTE NO.
COC Number 2041675

9
9.1

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Ardmore
ADDRESS: 29 Riverside Ave Bldg #14
CITY Newark STATE: NJ ZIP: 07104
ATTENTION: Michael Sharphouse
PHONE: 973 481-2400 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: PVSC Monthly 2025
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) 3-DAY DAYS*
HARDCOPY (DATA PACKAGE): ~~STANDARD~~ DAYS*
EDD: DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

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 ☐ US EPA CLP
- ☐ NYS ASP A ☐ NYS ASP B
- ☐ Other
- ☐ EDD FORMAT

ANALYSIS

1 VOA 2 CN 3 SVOA 4 BOD/TSS 5 METALS 6 7 8 9

PRESERVATIVES

COMMENTS

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

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRES 1	PRES 2	PRES 3	PRES 4	PRES 5	PRES 6	PRES 7	PRES 8	PRES 9	COMMENTS
1.	EFF Waste Water			X	2/27/25	9:15		X	X								
2.	Eff Wash Water		X		2/27/25	9:00-9:15				X	X	X					
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	12:15 PM	1. Albert Sharphouse
2. Albert Sharphouse	12:35 2-27-25	2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.1 °C
Comments: METALS LEAD ZINC
IR-Gun #1

Page ____ of ____

CLIENT: ☐ Hand Delivered ☐ Other
CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete ☐ YES ☐ NO

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH 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
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Fax : 908 789 8922

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1456 ARDM01
Client Name : Ardmore Chemical
Client Contact : Michael Sharphouse
Invoice Name : Ardmore Chemical
Invoice Contact : Michael Sharphouse

Order Date : 2/27/2025 12:51:00 PM
Project Name : PVSC Monthly 2025
Receive DateTime : 2/27/2025 ~~12:00:00 AM~~ 01:35 PM
Purchase Order : YG 03/11/25

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
Q1456-01	EFF-WASTE WATER	Water	02/27/2025	~~00:00~~ 9:15	VOC-PP		624.1		3 Bus. Days

Relinquished By : _____
Date / Time : 2-27-25 | 13~~0~~35

Received By : _____
Date / Time : 2.27.25 13:35

Storage Area : VOA Refridgerator Room