

LAB CHRONICLE

OrderID:	Q1066	OrderDate:	1/10/2025 12:15:00 PM
Client:	Ardmore Chemical	Project:	PVSC Monthly 2025
Contact:	Michael Sharphouse	Location:	M11,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1066-01	EFF-WASTE WATER	WATER			01/10/25 10:15	01/14/25	01/14/25 16:37	01/10/25
			Cyanide	SM4500-CN C,E				
Q1066-02	EFF-WASTE WATER	WATER			01/10/25 10:15		01/10/25 16:20	01/10/25
			BOD5	SM5210 B				
			TSS	SM2540 D			01/13/25 10:15	



SAMPLE DATA

Report of Analysis

Client:	Ardmore Chemical	Date Collected:	01/10/25 10:15
Project:	PVSC Monthly 2025	Date Received:	01/10/25
Client Sample ID:	EFF-WASTE WATER	SDG No.:	Q1066
Lab Sample ID:	Q1066-01	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	01/14/25 11:00	01/14/25 16:37	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

Report of Analysis

Client:	Ardmore Chemical	Date Collected:	01/10/25 10:15
Project:	PVSC Monthly 2025	Date Received:	01/10/25
Client Sample ID:	EFF-WASTE WATER	SDG No.:	Q1066
Lab Sample ID:	Q1066-02	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
BOD5	910		1	0.17	2.00	mg/L		01/10/25 16:20	SM 5210 B-16
TSS	16.8		1	1.00	4.00	mg/L		01/13/25 10:15	SM 2540 D-15

Comments: _____

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

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QC RESULT SUMMARY

Initial and Continuing Calibration Verification

Client: Ardmore Chemical

SDG No.: Q1066

Project: PVSC Monthly 2025

RunNo.: LB134287

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: Cyanide	ICV1	mg/L	0.097	0.099	98	85-115	01/14/2025
Sample ID: Cyanide	CCV1	mg/L	0.24	0.25	96	90-110	01/14/2025
Sample ID: Cyanide	CCV2	mg/L	0.25	0.25	100	90-110	01/14/2025

Initial and Continuing Calibration Verification

Client: Ardmore Chemical

SDG No.: Q1066

Project: PVSC Monthly 2025

RunNo.: LB134287

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
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Initial and Continuing Calibration Blank Summary

Client: Ardmore Chemical

SDG No.: Q1066

Project: PVSC Monthly 2025

RunNo.: LB134287

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1 Cyanide	mg/L	< 0.0025	0.0025	U	0.00093	0.005	01/14/2025
Sample ID: CCB1 Cyanide	mg/L	< 0.0025	0.0025	U	0.00093	0.005	01/14/2025
Sample ID: CCB2 Cyanide	mg/L	< 0.0025	0.0025	U	0.00093	0.005	01/14/2025

Initial and Continuing Calibration Blank Summary

Client: Ardmore Chemical

SDG No.: Q1066

Project: PVSC Monthly 2025

RunNo.: LB134287

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
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Preparation Blank Summary

Client: Ardmore Chemical

SDG No.: Q1066

Project: PVSC Monthly 2025

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: BOD5	LB134238BL mg/L	< 0.2000	0.2000	U	0.17	2.0	01/10/2025
Sample ID: TSS	LB134244BL mg/L	< 2.0000	2.0000	U	1	4	01/13/2025
Sample ID: Cyanide	PB166058BL mg/L	< 0.0025	0.0025	U	0.00093	0.005	01/14/2025

Matrix Spike Summary

Client:	Ardmore Chemical	SDG No.:	Q1066
Project:	PVSC Monthly 2025	Sample ID:	Q1066-01
Client ID:	EFF-WASTE WATERMS	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Cyanide	mg/L	75-125	0.044		0.00093	U	0.04	1	110		01/14/2025

Matrix Spike Summary

Client:	Ardmore Chemical	SDG No.:	Q1066
Project:	PVSC Monthly 2025	Sample ID:	Q1066-01
Client ID:	EFF-WASTE WATERMSD	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Cyanide	mg/L	75-125	0.044		0.00093	U	0.04	1	110		01/14/2025

Duplicate Sample Summary

Client: Ardmore Chemical Project: PVSC Monthly 2025 Client ID: 28612DUP	SDG No.: Q1066 Sample ID: Q1033-01 Percent Solids for Spike Sample: 0
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Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
TSS	mg/L	+/-5	21.0		20.9		1	0.48		01/13/2025

Duplicate Sample Summary

Client:	Ardmore Chemical	SDG No.:	Q1066
Project:	PVSC Monthly 2025	Sample ID:	Q1066-01
Client ID:	EFF-WASTE WATERDUP	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Cyanide	mg/L	+/-20	0.00093	U	0.0014	J	1	200	*	01/14/2025

Duplicate Sample Summary

Client:	Ardmore Chemical	SDG No.:	Q1066
Project:	PVSC Monthly 2025	Sample ID:	Q1066-01
Client ID:	EFF-WASTE WATERMSD	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Cyanide	mg/L	+/-20	0.044		0.044		1	0		01/14/2025

Duplicate Sample Summary

Client:	Ardmore Chemical	SDG No.:	Q1066
Project:	PVSC Monthly 2025	Sample ID:	Q1066-02
Client ID:	EFF-WASTE WATERDUP	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
BOD5	mg/L	+/-20	910		895		1	1.66		01/10/2025

Laboratory Control Sample Summary

Client: Ardmore Chemical

SDG No.: Q1066

Project: PVSC Monthly 2025

Run No.: LB134238

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB134238BS							
BOD5	mg/L	198	201		102	1	84.6-115.4	01/10/2025

Laboratory Control Sample Summary

Client: Ardmore Chemical

SDG No.: Q1066

Project: PVSC Monthly 2025

Run No.: LB134244

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB134244BS							
TSS	mg/L	550	520		94	1	90-110	01/13/2025

Laboratory Control Sample Summary

Client: Ardmore Chemical

SDG No.: Q1066

Project: PVSC Monthly 2025

Run No.: LB134287

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	PB166058BS							
Cyanide	mg/L	0.1	0.098		98	1	85-115	01/14/2025