

## Cover Page

**Order ID :** Q1066

**Project ID :** PVSC Monthly 2025

**Client :** Ardmore Chemical

**Lab Sample Number**

Q1066-01

Q1066-02

**Client Sample Number**

EFF-WASTE WATER

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: 1/17/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012



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

## **CASE NARRATIVE**

### **Ardmore Chemical**

**Project Name: PVSC Monthly 2025**

**Project # N/A**

**Chemtech Project # Q1066**

**Test Name: Cyanide,BOD5,TSS**

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

2 Water samples were received on 01/10/2025.

### **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 (EFF-WASTE WATERDUP) analysis met criteria for all samples except for Cyanide but sample and duplicate results are less than reporting limit.

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:

|           |                                                                                                                                                                                                                                                                                                                                                                               |
|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>J</b>  | 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).                                                                                                                                                                                  |
| <b>U</b>  | Indicates the analyte was analyzed for, but not detected.                                                                                                                                                                                                                                                                                                                     |
| <b>ND</b> | Indicates the analyte was analyzed for, but not detected                                                                                                                                                                                                                                                                                                                      |
| <b>E</b>  | Indicates the reported value is estimated because of the presence of interference                                                                                                                                                                                                                                                                                             |
| <b>M</b>  | Indicates Duplicate injection precision not met.                                                                                                                                                                                                                                                                                                                              |
| <b>N</b>  | Indicates the spiked sample recovery is not within control limits.                                                                                                                                                                                                                                                                                                            |
| <b>S</b>  | Indicates the reported value was determined by the Method of Standard Addition (MSA).                                                                                                                                                                                                                                                                                         |
| <b>*</b>  | Indicates that the duplicate analysis is not within control limits.                                                                                                                                                                                                                                                                                                           |
| <b>+</b>  | Indicates the correlation coefficient for the MSA is less than 0.995.                                                                                                                                                                                                                                                                                                         |
| <b>D</b>  | Indicates the reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.                                                                                                                                                                                                                                       |
| <b>M</b>  | 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 |
| <b>OR</b> | Indicates the analyte’s concentration exceeds the calibrated range of the instrument for that specific analysis.                                                                                                                                                                                                                                                              |
| <b>Q</b>  | Indicates the LCS did not meet the control limits requirements                                                                                                                                                                                                                                                                                                                |
| <b>H</b>  | Sample Analysis Out Of Hold Time                                                                                                                                                                                                                                                                                                                                              |

## APPENDIX A

### QA REVIEW GENERAL DOCUMENTATION

Project #: Q1066

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: MAYUR DESAI

Date: 01/17/2025

## LAB CHRONICLE

**OrderID:** Q1066  
**Client:** Ardmore Chemical  
**Contact:** Michael Sharphouse

**OrderDate:** 1/10/2025 12:15:00 PM  
**Project:** PVSC Monthly 2025  
**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<br>10:15 | 01/14/25  | 01/14/25<br>16:37 | 01/10/25 |
|          |                 |        | Cyanide | SM4500-CN<br>C,E |                   |           |                   |          |
| Q1066-02 | EFF-WASTE WATER | WATER  |         |                  | 01/10/25<br>10:15 |           | 01/10/25<br>16:20 | 01/10/25 |
|          |                 |        | BOD5    | SM5210 B         |                   |           |                   |          |
|          |                 |        | TSS     | SM2540 D         |                   |           | 01/13/25<br>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<br>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

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





# 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 | %<br>Recovery | Acceptance<br>Window (%R) | Analysis<br>Date |
|-----------------------|------|-------|--------|------------|---------------|---------------------------|------------------|
| Sample ID:<br>Cyanide | ICV1 | mg/L  | 0.097  | 0.099      | 98            | 85-115                    | 01/14/2025       |
| Sample ID:<br>Cyanide | CCV1 | mg/L  | 0.24   | 0.25       | 96            | 90-110                    | 01/14/2025       |
| Sample ID:<br>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 | %<br>Recovery | Acceptance<br>Window (%R) | Analysis<br>Date |
|---------|-------|--------|------------|---------------|---------------------------|------------------|
|---------|-------|--------|------------|---------------|---------------------------|------------------|

### 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: <b>ICB1</b><br>Cyanide | mg/L  | < 0.0025 | 0.0025            | U         | 0.00093 | 0.005 | 01/14/2025    |
| Sample ID: <b>CCB1</b><br>Cyanide | mg/L  | < 0.0025 | 0.0025            | U         | 0.00093 | 0.005 | 01/14/2025    |
| Sample ID: <b>CCB2</b><br>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<br>Limits | Conc<br>Qual | MDL | RDL | Analysis<br>Date |
|---------|-------|--------|----------------------|--------------|-----|-----|------------------|
|---------|-------|--------|----------------------|--------------|-----|-----|------------------|

## Preparation Blank Summary

**Client:** Ardmore Chemical

**SDG No.:** Q1066

**Project:** PVSC Monthly 2025

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

## Matrix Spike Summary

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

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

### Matrix Spike Summary

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

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



### Duplicate Sample Summary

|                   |                   |                                         |          |
|-------------------|-------------------|-----------------------------------------|----------|
| <b>Client:</b>    | Ardmore Chemical  | <b>SDG No.:</b>                         | Q1066    |
| <b>Project:</b>   | PVSC Monthly 2025 | <b>Sample ID:</b>                       | Q1033-01 |
| <b>Client ID:</b> | 28612DUP          | <b>Percent Solids for Spike Sample:</b> | 0        |

| Analyte | Units | Acceptance<br>Limit | Sample<br>Result | Conc.<br>Qualifier | Duplicate<br>Result | Conc.<br>Qualifier | Dilution<br>Factor | RPD/<br>AD | Qual | Analysis<br>Date |
|---------|-------|---------------------|------------------|--------------------|---------------------|--------------------|--------------------|------------|------|------------------|
| TSS     | mg/L  | +/-5                | 21.0             |                    | 20.9                |                    | 1                  | 0.48       |      | 01/13/2025       |

### Duplicate Sample Summary

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

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

### Duplicate Sample Summary

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

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

### Duplicate Sample Summary

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

| Analyte | Units | Acceptance<br>Limit | Sample<br>Result | Conc.<br>Qualifier | Duplicate<br>Result | Conc.<br>Qualifier | Dilution<br>Factor | RPD/<br>AD | Qual | Analysis<br>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    |



# RAW DATA



# BOD5 LOG

ANALYST: rubin  
Inst Id :DO METER  
LB :LB134238

Reviewed By:Iwona  
On:1/15/2025 2:58:14  
PM

SUPERVISOR: Iwona

QC BATCH ID: LB134238

Analysis Date: 01/10/2025

BOD Water: WP111381

MANGANOUS SULFATE SOLUTION: W3103

Starch: W3149

Alkaline Iodide Azide: W3109

Sulfuric acid, 1N: WP110386

Sodium Thiosulfate, 0.025N: W3105

POLYSEED: WP111383

NaOH, 1N: WP111323

GGA: WP111382

IncubatorID: INCUBATOR #3

Chlorine Strips: W3155

GuageID: 0511062

pH Strips: W3140

Zero DO: WP111324

| Lab SampleID | Client ID | Bottle No. | VOL. ML | Initial Reading (ML) | Final Reading (ML) | Difference | Average |
|--------------|-----------|------------|---------|----------------------|--------------------|------------|---------|
| WINKLER 1    | WINKLER 1 | 1          | 300     | 0.0                  | 9.6                | 9.6        | 9.6     |
| WINKLER 2    | WINKLER 2 | 2          | 300     | 10.00                | 19.6               | 9.6        | 9.6     |

Meter Calibration1: 9.64

Zero DO Reading1: 0.08 mg/L (<=0.2 Criteria)

Barometric Pressure1: 760 mmHg DO Meter BOD fluid reading for winkler comparison: 9.64

## After Incubation

Meter Calibration2: 8.93

Zero DO Reading2: 0.08 mg/L (<=0.2 Criteria)

Barometric Pressure2: 765 mmHg



QC BATCH ID: LB134238

INCUBATOR TEMP IN(C): 19.8

INCUBATOR TEMP OUT(C): 19.8

TIME IN: 16:20

TIME OUT: 12:30

DATE IN: 01/10/2025

DATE OUT: 01/15/2025

| Lab SampleID | Bottle No. | Check CL | Initial PH | Final PH | Temp °C | Sam Vol. (mL) | D.O.1 Initial | D.O.2 Final | Depletion | BOD Result (mg/L) | Avg Result (mg/L) | Comment     |
|--------------|------------|----------|------------|----------|---------|---------------|---------------|-------------|-----------|-------------------|-------------------|-------------|
| LB134238BL   | 1          | No       | 6.59       | N/A      | 20.60   | 300           | 9.63          | 9.61        | 0.02      | 0.02              | 0.02              |             |
| POLYSEED     | 1          |          |            |          |         | 10            | 9.48          | 6.92        | 2.56      | 0.51              | 0.59              |             |
| POLYSEED     | 2          |          |            |          |         | 15            | 9.40          | 4.87        | 4.53      | 0.6               |                   |             |
| POLYSEED     | 3          |          |            |          |         | 20            | 9.32          | 2.87        | 6.45      | 0.65              |                   |             |
| GGA          | 1          |          |            |          |         | 6             | 9.55          | 5.09        | 4.46      | 193.5             | 201               |             |
| GGA          | 2          |          |            |          |         | 6             | 9.54          | 4.91        | 4.63      | 202               |                   |             |
| GGA          | 3          |          |            |          |         | 6             | 9.52          | 4.78        | 4.74      | 207.5             |                   |             |
| Q1049-01     | 1          | No       | 8.50       | 7.19     | 20.70   | 5             | 9.62          | 1.01        | 8.61      | 481.2             | 481.2             | pH Adjusted |
| Q1049-01     | 2          |          |            |          |         | 20            | 9.55          | 0.14        | -         | 0                 |                   |             |
| Q1049-01     | 3          |          |            |          |         | 50            | 9.52          | 0.13        | -         | 0                 |                   |             |
| Q1049-01     | 4          |          |            |          |         | 150           | 9.49          | 0.04        | -         | 0                 |                   |             |
| Q1066-02     | 1          | No       | 6.50       | N/A      | 20.20   | 0.5           | 9.61          | 7.66        | -         | 0                 | 909.75            |             |
| Q1066-02     | 2          |          |            |          |         | 1             | 9.52          | 6.12        | 3.4       | 843               |                   |             |
| Q1066-02     | 3          |          |            |          |         | 2             | 9.47          | 2.37        | 7.1       | 976.5             |                   |             |
| Q1066-02     | 4          |          |            |          |         | 3             | 9.42          | 0.08        | -         | 0                 |                   |             |
| Q1066-02DUP  | 1          | No       | 6.50       | N/A      | 20.20   | 0.5           | 9.61          | 7.74        | -         | 0                 | 894.75            |             |
| Q1066-02DUP  | 2          |          |            |          |         | 1             | 9.52          | 6.23        | 3.29      | 810               |                   |             |
| Q1066-02DUP  | 3          |          |            |          |         | 2             | 9.46          | 2.34        | 7.12      | 979.5             |                   |             |
| Q1066-02DUP  | 4          |          |            |          |         | 3             | 9.40          | 0.07        | -         | 0                 |                   |             |
| Q1070-01     | 1          | No       | 7.90       | 7.47     | 20.20   | 2             | 9.47          | 8.98        | -         | 0                 | 57.72             | pH Adjusted |
| Q1070-01     | 2          |          |            |          |         | 10            | 9.28          | 6.23        | 3.05      | 73.8              |                   |             |
| Q1070-01     | 3          |          |            |          |         | 50            | 9.01          | 1.48        | 7.53      | 41.64             |                   |             |
| Q1070-01     | 4          |          |            |          |         | 100           | 8.07          | 0.09        | -         | 0                 |                   |             |

NOTE: 2ml POLYSEED added to GGA and all the Samples, but not in Blank.

NOTE (For, CBOD5): 0.16 g Nitrification Inhibitor added to GGA and all the Samples, but not in Blank.

# TOTAL SUSPENDED SOLIDS - SM2540D

SUPERVISOR: Iwona

ANALYST: Niha

Date: 01/10/2025

Run Number: LB134244

BalanceID: WC SC-6

OvenID: WC OVEN-1

FilterID: 17416528

ThermometerID: WET OVEN#1

TEMP1 IN: 103 °C 01/10/2025 11:00 TEMP1 OUT: 104 °C 01/10/2025 12:00  
 TEMP2 IN: 103 °C 01/10/2025 12:30 TEMP2 OUT: 104 °C 01/10/2025 13:30  
 TEMP3 IN: 103 °C 01/13/2025 10:15 TEMP3 OUT: 104 °C 01/13/2025 11:45  
 TEMP4 IN: 103 °C 01/13/2025 12:15 TEMP4 OUT: 104 °C 01/13/2025 13:45

| Dish # | Lab ID      | Client ID            | Empty Dish Weight (g) | Final Empty Dish Weight (g) | Sample Volume (ml) | 1st Empty Dish+Sample weight after 1.5hr drying @103-@105°C (g) | 2nd Empty Dish+Sample weight after 1.5hr drying @103-@105°C (g) | Final Empty Dish+Sample weight after 1.5hr drying @103-@105°C (g) | Weight (g) | Result mg/L |
|--------|-------------|----------------------|-----------------------|-----------------------------|--------------------|-----------------------------------------------------------------|-----------------------------------------------------------------|-------------------------------------------------------------------|------------|-------------|
| 1      | LB134244BL  | LB134244BL           | 1.4235                | 1.4235                      | 100                | 1.4235                                                          | 1.4235                                                          | 1.4235                                                            | 0.0000     | 0           |
| 2      | LB134244BS  | LB134244BS           | 1.4549                | 1.4549                      | 100                | 1.5069                                                          | 1.5069                                                          | 1.5069                                                            | 0.0520     | 520         |
| 3      | Q1033-01    | 28612                | 1.4728                | 1.4728                      | 1000               | 1.4938                                                          | 1.4938                                                          | 1.4938                                                            | 0.0210     | 21          |
| 4      | Q1033-01DUP | 28612DUP             | 1.4033                | 1.4033                      | 1000               | 1.4242                                                          | 1.4242                                                          | 1.4242                                                            | 0.0209     | 20.9        |
| 5      | Q1035-02    | COMP                 | 1.4824                | 1.4824                      | 100                | 1.5048                                                          | 1.5048                                                          | 1.5048                                                            | 0.0224     | 224         |
| 6      | Q1049-01    | FRAC-TANK-257952     | 1.4689                | 1.4689                      | 2000               | 3.1611                                                          | 3.1611                                                          | 3.1611                                                            | 1.6922     | 846.1       |
| 7      | Q1066-02    | EFF-WASTE WATER      | 1.5027                | 1.5027                      | 600                | 1.5128                                                          | 1.5128                                                          | 1.5128                                                            | 0.0101     | 16.8        |
| 8      | Q1070-01    | 1 EFFLUENT COMPOSITE | 1.4804                | 1.4804                      | 1000               | 1.5444                                                          | 1.5444                                                          | 1.5444                                                            | 0.0640     | 64          |

A = Sample Volume (ml)  
 B = Final Empty Dish Weight (g)  
 C = Final Empty Dish + Sample weight after 1.5 hr drying @105°C(g)  
 D = Weight (g)

Weight (g) = C - B

Result mg/L =  $\frac{D}{A} \times 1000 \times 1000$

WORKLIST(Hardcopy Internal Chain)

LB134244

WorkList Name : TSS-01132025

WorkList ID : 186888

Department : Wet-Chemistry

Date : 01-13-2025 09:25:24

| Sample   | Customer Sample      | Matrix | Test | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method   |
|----------|----------------------|--------|------|--------------|----------|-----------------------------|--------------|----------|
| Q1033-01 | 28612                | Water  | TSS  | Cool 4 deg C | PSEG03   | N41                         | 01/08/2025   | SM2540 D |
| Q1035-02 | COMP                 | Water  | TSS  | Cool 4 deg C | ARAM01   | M11                         | 01/08/2025   | SM2540 D |
| Q1049-01 | FRAC-TANK-257952     | Water  | TSS  | Cool 4 deg C | PSEG03   | N41                         | 01/09/2025   | SM2540 D |
| Q1066-02 | EFF-WASTE WATER      | Water  | TSS  | Cool 4 deg C | ARDM01   | M11                         | 01/10/2025   | SM2540 D |
| Q1070-01 | 1 EFFLUENT COMPOSITE | Water  | TSS  | Cool 4 deg C | M&MM01   | M11                         | 01/10/2025   | SM2540 D |

Date/Time 01-13-2025, 09:30

Raw Sample Received by: NPLWC

Raw Sample Relinquished by: JH WELCH

Date/Time 01-13-2025, 11:00

Raw Sample Received by: JH WELCH

Raw Sample Relinquished by: NPLWC

LB/34 285

Test results

Aquakem 7.2AQ1

Page:

1

CHEMTECH CONSULTING GROUP INC  
284 Sheffield Street, Mountainside, NJ 07092

1/14/2025 16:46

Reviewed by : NF

Instrument ID : Konelab

Test: Total CN

| Sample Id   | Result  | Dil. 1 + | Response | Errors |
|-------------|---------|----------|----------|--------|
| ICV1        | 97.484  | 0.0      | 0.068    |        |
| ICB1        | 0.369   | 0.0      | 0.002    |        |
| CCV1        | 241.248 | 0.0      | 0.166    |        |
| CCB1        | 0.018   | 0.0      | 0.002    |        |
| RL CHECK    | 4.535   | 0.0      | 0.005    |        |
| PB166058BL  | 0.151   | 0.0      | 0.002    |        |
| PB166058BS  | 97.593  | 0.0      | 0.069    |        |
| MIDPB166058 | 243.646 | 0.0      | 0.168    |        |
| Q1066-01    | 0.920   | 0.0      | 0.003    |        |
| Q1066-01DUP | 1.442   | 0.0      | 0.003    |        |
| Q1066-01MS  | 44.052  | 0.0      | 0.032    |        |
| Q1066-01MSD | 44.004  | 0.0      | 0.032    |        |
| CCV2        | 245.592 | 0.0      | 0.169    |        |
| CCB2        | 0.090   | 0.0      | 0.002    |        |

90% (50-150)

97% (90-110)

NF

01.14.2025

N 14  
Mean 72.939  
SD 98.5770  
CV% 135.15

Aquakem v. 7.2AQ1

Results from time period:

Tue Jan 14 13:30:32 2025

Tue Jan 14 16:41:50 2025

| Sample Id   | Sam/Ctr/c | Test short r | Test type | Result   | Result unit | Result date and time | Stat |
|-------------|-----------|--------------|-----------|----------|-------------|----------------------|------|
| 0.0PPBCN    | A         | Total CN     | P         | -0.5626  | µg/l        | 1/14/2025 15:18:55   |      |
| 5.0PPBCN    | A         | Total CN     | P         | 4.3061   | µg/l        | 1/14/2025 15:18:56   |      |
| 10PPBCN     | A         | Total CN     | P         | 9.4134   | µg/l        | 1/14/2025 15:18:57   |      |
| 50PPBCN     | A         | Total CN     | P         | 50.1389  | µg/l        | 1/14/2025 15:18:58   |      |
| 100PPBCN    | A         | Total CN     | P         | 101.1386 | µg/l        | 1/14/2025 15:18:59   |      |
| 250PPBCN    | A         | Total CN     | P         | 251.5771 | µg/l        | 1/14/2025 15:19:00   |      |
| 500PPBCN    | A         | Total CN     | P         | 498.9885 | µg/l        | 1/14/2025 15:19:01   |      |
| ICV1        | S         | Total CN     | P         | 97.4836  | µg/l        | 1/14/2025 16:29:25   |      |
| ICB1        | S         | Total CN     | P         | 0.369    | µg/l        | 1/14/2025 16:29:26   |      |
| CCV1        | S         | Total CN     | P         | 241.2479 | µg/l        | 1/14/2025 16:29:29   |      |
| CCB1        | S         | Total CN     | P         | 0.0177   | µg/l        | 1/14/2025 16:29:31   |      |
| RL CHECK    | S         | Total CN     | P         | 4.5346   | µg/l        | 1/14/2025 16:29:32   |      |
| PB166058BL  | S         | Total CN     | P         | 0.1511   | µg/l        | 1/14/2025 16:36:59   |      |
| PB166058BS  | S         | Total CN     | P         | 97.5928  | µg/l        | 1/14/2025 16:37:01   |      |
| MIDPB166058 | S         | Total CN     | P         | 243.6462 | µg/l        | 1/14/2025 16:37:03   |      |
| Q1066-01    | S         | Total CN     | P         | 0.9197   | µg/l        | 1/14/2025 16:37:04   |      |
| Q1066-01DUP | S         | Total CN     | P         | 1.4425   | µg/l        | 1/14/2025 16:37:05   |      |
| Q1066-01MS  | S         | Total CN     | P         | 44.0521  | µg/l        | 1/14/2025 16:37:06   |      |
| Q1066-01MSD | S         | Total CN     | P         | 44.0038  | µg/l        | 1/14/2025 16:37:07   |      |
| CCV2        | S         | Total CN     | P         | 245.592  | µg/l        | 1/14/2025 16:41:46   |      |
| CCB2        | S         | Total CN     | P         | 0.0903   | µg/l        | 1/14/2025 16:41:48   |      |

=====

Calibration results      Aquakem 7.2AQ1      Page: 1

CHEMTECH CONSULTING GROUP INC  
284 Sheffield Street, Mountainside, NJ 07092

Reviewed by : NF      Instrument ID : Konelab

1/14/2025 15:22

-----

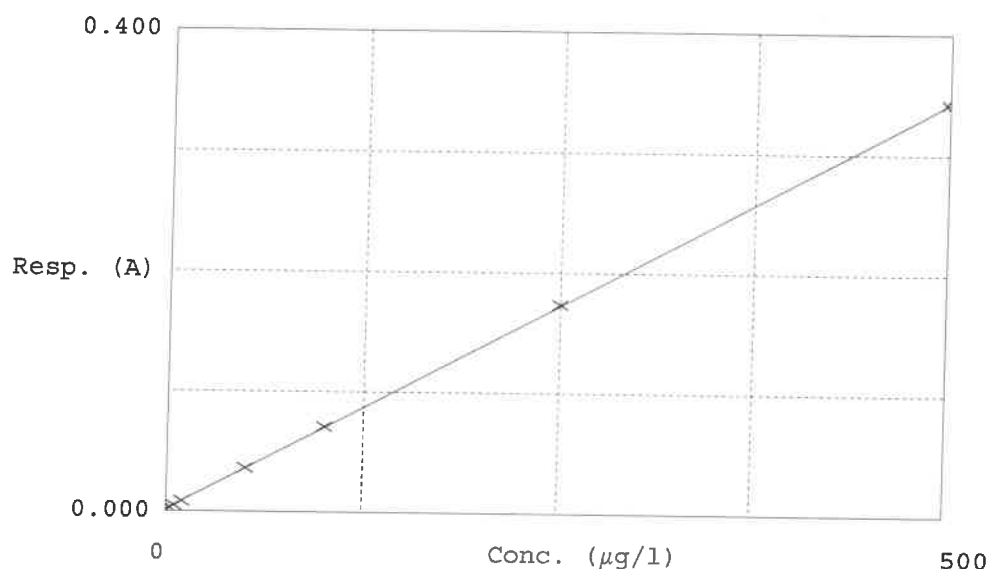
Test      Total CN

Accepted      1/14/2025      15:22

Factor      1467  
Bias      0.002

Coeff. of det.      0.999971

Errors



|   | Calibrator | Response | Calc. con. | Conc.    | Errors <sup>R<sub>e</sub></sup> |
|---|------------|----------|------------|----------|---------------------------------|
| 1 | 0.0PPBCN   | 0.002    | -0.5626    | 0.0000   |                                 |
| 2 | 5.0PPBCN   | 0.005    | 4.3061     | 5.0000   | -13.9                           |
| 3 | 10PPBCN    | 0.008    | 9.4134     | 10.0000  | -5.9                            |
| 4 | 50PPBCN    | 0.036    | 50.1389    | 50.0000  | 0.3                             |
| 5 | 100PPBCN   | 0.071    | 101.1386   | 100.0000 | 1.1                             |
| 6 | 250PPBCN   | 0.174    | 251.5771   | 250.0000 | 0.6                             |
| 7 | 500PPBCN   | 0.342    | 498.9885   | 500.0000 | -8.2                            |

NF  
01.14.2025

SOP ID : MSM4500-CN C,E-Cyanide-12

SDG No : N/A

Start Digest Date: 01/14/2025 Time : 11:00 Temp : 123 °C

Matrix : WATER

End Digest Date: 01/14/2025 Time : 12:30 Temp : 126 °C

Pipette ID : WC

Balance ID : N/A

Hood ID : HOOD#1

Digestion tube ID : M5595

Block Thermometer ID : WC CYANIDE

Block ID : MC-1,MC-2

Filter paper ID : N/A

Prep Technician Signature: *AD*

Weigh By : N/A

pH Meter ID : N/A

Supervisor Signature: *12*

| Standard Name     | MLS USED | STD REF. # FROM LOG |
|-------------------|----------|---------------------|
| LCSW              | 1.0ML    | WP111296            |
| MS/MSD SPIKE SOL. | 0.4ML    | WP111295            |
| PBW               | 50.0ML   | W3112               |
| RL CHECK          | 50.0ML   | WP111399            |
| N/A               | N/A      | N/A                 |

| Chemical Used         | ML/SAMPLE USED | Lot Number |
|-----------------------|----------------|------------|
| 0.25N NaOH            | 50.0ML         | WP111294   |
| 50% v/v H2SO4         | 5.0ML          | WP110391   |
| 51% w/v MgCL2         | 2.0ML          | WP110390   |
| pH Paper 0-14         | N/A            | W3140      |
| Nitrate/Nitrite Strip | N/A            | W3101      |
| Lead Acetate strip    | N/A            | W3134      |
| KI-starch paper       | N/A            | W3155      |
| N/A                   | N/A            | N/A        |
| N/A                   | N/A            | N/A        |
| N/A                   | N/A            | N/A        |

| LAB SAMPLE ID | CLIENT SAMPLE ID | Wt(g)/Vol(ml) | Comment  |
|---------------|------------------|---------------|----------|
| S0            | S0               | N/A           | N/A      |
| S5.0          | S5.0             | N/A           | N/A      |
| S10.0         | S10.0            | N/A           | N/A      |
| S100.0        | S100.0           | N/A           | N/A      |
| S250.0        | S250.0           | N/A           | N/A      |
| S500.0        | S500.0           | N/A           | N/A      |
| ICV           | ICV              | 0.5ML         | W3012    |
| ICB           | ICB              | N/A           | N/A      |
| CCV           | CCV              | N/A           | N/A      |
| CCB           | CCB              | N/A           | N/A      |
| Midrange      | Midrange         | 2.5ML         | WP111295 |
| HIGHSTD       | HIGHSTD          | N/A           | N/A      |
| LOWSTD        | LOWSTD           | N/A           | N/A      |

Extraction Conformance/Non-Conformance Comments:

N/A

| Date / Time     | Prepped Sample Relinquished By/Location | Received By/Location |
|-----------------|-----------------------------------------|----------------------|
| 01.14.25, 12:45 | <i>AD (WC)</i>                          | <i>NP(WC)</i>        |
|                 | Preparation Group                       | Analysis Group       |



| Lab Sample ID | Client Sample ID   | Initial Vol (ml) | Final Vol (ml) | pH  | Sulfide  | Oxidizing | Nitrate/Nitrite | Comment | Prep Pos |
|---------------|--------------------|------------------|----------------|-----|----------|-----------|-----------------|---------|----------|
| PB166058BL    | PBW058             | 50               | 50             | >12 | Negative | Negative  | Negative        | N/A     | N/A      |
| PB166058BS    | LCS058             | 50               | 50             | >12 | Negative | Negative  | Negative        | N/A     | N/A      |
| Q1066-01DUP   | EFF-WASTE WATERDUP | 50               | 50             | >12 | Negative | Negative  | Negative        | N/A     | N/A      |
| Q1066-01MS    | EFF-WASTE WATERMS  | 50               | 50             | >12 | Negative | Negative  | Negative        | N/A     | N/A      |
| Q1066-01MSD   | EFF-WASTE WATERMSD | 50               | 50             | >12 | Negative | Negative  | Negative        | N/A     | N/A      |
| Q1066-01      | EFF-WASTE WATER    | 50               | 50             | >12 | Negative | Negative  | Negative        | N/A     | N/A      |

**Instrument ID:** DO METER

**Daily Analysis Runlog For Sequence/QC Batch ID # LB134238**

|                  |                                                                      |              |                      |
|------------------|----------------------------------------------------------------------|--------------|----------------------|
| Review By        | rubina                                                               | Review On    | 1/15/2025 2:42:05 PM |
| Supervise By     | Iwona                                                                | Supervise On | 1/15/2025 2:58:14 PM |
| SubDirectory     | LB134238                                                             | Test         | BOD5                 |
| <b>STD. NAME</b> | <b>STD REF.#</b>                                                     |              |                      |
| ICAL Standard    | N/A                                                                  |              |                      |
| ICV Standard     | N/A                                                                  |              |                      |
| CCV Standard     | N/A                                                                  |              |                      |
| ICSA Standard    | N/A                                                                  |              |                      |
| CRI Standard     | N/A                                                                  |              |                      |
| LCS Standard     | N/A                                                                  |              |                      |
| Chk Standard     | WP111381,W3149,WP110386,W3103,W3109,W3105,WP111383,WP111382,WP111323 |              |                      |

| Sr# | SampleId    | ClientID         | QcType | Date           | Comment               | Operator | Status |
|-----|-------------|------------------|--------|----------------|-----------------------|----------|--------|
| 1   | LB134238BL  | LB134238BL       | MB     | 01/10/25 16:20 |                       | rubina   | OK     |
| 2   | LB134238BS  | LB134238BS       | LCS    | 01/10/25 16:20 |                       | rubina   | OK     |
| 3   | Q1049-01    | FRAC-TANK-257952 | SAM    | 01/10/25 16:20 |                       | rubina   | OK     |
| 4   | Q1066-02    | EFF-WASTE WATER  | SAM    | 01/10/25 16:20 | Intermediate dilution | rubina   | OK     |
| 5   | Q1066-02DUP | EFF-WASTE WATER  | DUP    | 01/10/25 16:20 | Intermediate dilution | rubina   | OK     |
| 6   | Q1070-01    | 1 EFFLUENT COMPO | SAM    | 01/10/25 16:20 |                       | rubina   | OK     |

**Instrument ID:** WC SC-3

**Daily Analysis Runlog For Sequence/QC Batch ID # LB134244**

|                  |                  |              |                      |
|------------------|------------------|--------------|----------------------|
| Review By        | Niha             | Review On    | 1/13/2025 2:11:20 PM |
| Supervise By     | Iwona            | Supervise On | 1/13/2025 2:12:18 PM |
| SubDirectory     | LB134244         | Test         | TSS                  |
| <b>STD. NAME</b> | <b>STD REF.#</b> |              |                      |
| ICAL Standard    | N/A              |              |                      |
| ICV Standard     | N/A              |              |                      |
| CCV Standard     | N/A              |              |                      |
| ICSA Standard    | N/A              |              |                      |
| CRI Standard     | N/A              |              |                      |
| LCS Standard     | N/A              |              |                      |
| Chk Standard     | N/A              |              |                      |

| Sr# | SampleId    | ClientID         | QcType | Date           | Comment | Operator | Status |
|-----|-------------|------------------|--------|----------------|---------|----------|--------|
| 1   | LB134244BL  | LB134244BL       | MB     | 01/13/25 10:15 |         | Niha     | OK     |
| 2   | LB134244BS  | LB134244BS       | LCS    | 01/13/25 10:15 |         | Niha     | OK     |
| 3   | Q1033-01    | 28612            | SAM    | 01/13/25 10:15 |         | Niha     | OK     |
| 4   | Q1033-01DUP | 28612DUP         | DUP    | 01/13/25 10:15 |         | Niha     | OK     |
| 5   | Q1035-02    | COMP             | SAM    | 01/13/25 10:15 |         | Niha     | OK     |
| 6   | Q1049-01    | FRAC-TANK-257952 | SAM    | 01/13/25 10:15 |         | Niha     | OK     |
| 7   | Q1066-02    | EFF-WASTE WATER  | SAM    | 01/13/25 10:15 |         | Niha     | OK     |
| 8   | Q1070-01    | 1 EFFLUENT COMPO | SAM    | 01/13/25 10:15 |         | Niha     | OK     |

**Instrument ID:** KONELAB

**Daily Analysis Runlog For Sequence/QC Batch ID # LB134287**

|                  |                                                                |              |                      |
|------------------|----------------------------------------------------------------|--------------|----------------------|
| Review By        | Niha                                                           | Review On    | 1/15/2025 9:23:59 AM |
| Supervise By     | Iwona                                                          | Supervise On | 1/15/2025 9:25:36 AM |
| SubDirectory     | LB134287                                                       | Test         | Cyanide              |
| <b>STD. NAME</b> | <b>STD REF.#</b>                                               |              |                      |
| ICAL Standard    | WP111394,WP111395,WP111396,WP111397,WP111398,WP111399,WP111400 |              |                      |
| ICV Standard     | W3012                                                          |              |                      |
| CCV Standard     | WP111395                                                       |              |                      |
| ICSA Standard    | N/A                                                            |              |                      |
| CRI Standard     | N/A                                                            |              |                      |
| LCS Standard     | WP111296                                                       |              |                      |
| Chk Standard     | WP111035,WP110103,WP111402                                     |              |                      |

| Sr# | SampleId    | ClientID        | QcType | Date           | Comment | Operator | Status |
|-----|-------------|-----------------|--------|----------------|---------|----------|--------|
| 1   | 0.0PPBCN    | 0.0PPBCN        | CAL1   | 01/14/25 15:18 |         | Niha     | OK     |
| 2   | 5.0PPBCN    | 5.0PPBCN        | CAL2   | 01/14/25 15:18 |         | Niha     | OK     |
| 3   | 10PPBCN     | 10PPBCN         | CAL3   | 01/14/25 15:18 |         | Niha     | OK     |
| 4   | 50PPBCN     | 50PPBCN         | CAL4   | 01/14/25 15:18 |         | Niha     | OK     |
| 5   | 100PPBCN    | 100PPBCN        | CAL5   | 01/14/25 15:18 |         | Niha     | OK     |
| 6   | 250PPBCN    | 250PPBCN        | CAL6   | 01/14/25 15:19 |         | Niha     | OK     |
| 7   | 500PPBCN    | 500PPBCN        | CAL7   | 01/14/25 15:19 |         | Niha     | OK     |
| 8   | ICV1        | ICV1            | ICV    | 01/14/25 16:29 |         | Niha     | OK     |
| 9   | ICB1        | ICB1            | ICB    | 01/14/25 16:29 |         | Niha     | OK     |
| 10  | CCV1        | CCV1            | CCV    | 01/14/25 16:29 |         | Niha     | OK     |
| 11  | CCB1        | CCB1            | CCB    | 01/14/25 16:29 |         | Niha     | OK     |
| 12  | RL          | RL              | SAM    | 01/14/25 16:29 |         | Niha     | OK     |
| 13  | PB166058BL  | PB166058BL      | MB     | 01/14/25 16:36 |         | Niha     | OK     |
| 14  | PB166058BS  | PB166058BS      | LCS    | 01/14/25 16:37 |         | Niha     | OK     |
| 15  | MIDPB166058 | MIDPB166058     | SAM    | 01/14/25 16:37 |         | Niha     | OK     |
| 16  | Q1066-01    | EFF-WASTE WATER | SAM    | 01/14/25 16:37 |         | Niha     | OK     |
| 17  | Q1066-01DUP | EFF-WASTE WATER | DUP    | 01/14/25 16:37 |         | Niha     | OK     |
| 18  | Q1066-01MS  | EFF-WASTE WATER | MS     | 01/14/25 16:37 |         | Niha     | OK     |

Instrument ID: KONELAB

**Daily Analysis Runlog For Sequence/QC Batch ID # LB134287**

|                  |                                                                |              |                      |
|------------------|----------------------------------------------------------------|--------------|----------------------|
| Review By        | Niha                                                           | Review On    | 1/15/2025 9:23:59 AM |
| Supervise By     | Iwona                                                          | Supervise On | 1/15/2025 9:25:36 AM |
| SubDirectory     | LB134287                                                       | Test         | Cyanide              |
| <b>STD. NAME</b> | <b>STD REF.#</b>                                               |              |                      |
| ICAL Standard    | WP111394,WP111395,WP111396,WP111397,WP111398,WP111399,WP111400 |              |                      |
| ICV Standard     | W3012                                                          |              |                      |
| CCV Standard     | WP111395                                                       |              |                      |
| ICSA Standard    | N/A                                                            |              |                      |
| CRI Standard     | N/A                                                            |              |                      |
| LCS Standard     | WP111296                                                       |              |                      |
| Chk Standard     | WP111035,WP110103,WP111402                                     |              |                      |

|    |             |                 |     |                |  |      |    |
|----|-------------|-----------------|-----|----------------|--|------|----|
| 19 | Q1066-01MSD | EFF-WASTE WATER | MSD | 01/14/25 16:37 |  | Niha | OK |
| 20 | CCV2        | CCV2            | CCV | 01/14/25 16:41 |  | Niha | OK |
| 21 | CCB2        | CCB2            | CCB | 01/14/25 16:41 |  | Niha | OK |



# SHIPPING DOCUMENTS

## 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 2406 FAX:

## CLIENT PROJECT INFORMATION

PROJECT NAME:

PROJECT NO.: LOCATION:

PROJECT MANAGER:

e-mail:

PHONE:

FAX:

## CLIENT BILLING INFORMATION

BILL TO:

PO#:

ADDRESS:

CITY

STATE:

ZIP:

ATTENTION:

PHONE:

## ANALYSIS

## 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 DAYS

## DATA DELIVERABLE INFORMATION

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

VOA CN SVOP BOD/TSS Metals

## PRESERVATIVES

## COMMENTS

← Specify Preservatives

A-HCl

D-NaOH

B-HNO3

E-ICE

C-H2SO4

F-OTHER

CHEMTECH  
SAMPLE  
IDPROJECT  
SAMPLE IDENTIFICATIONSAMPLE  
MATRIXSAMPLE  
TYPE

COMP GRAB

SAMPLE  
COLLECTION

DATE TIME

# OF BOTTLES

1

2

3

4

5

6

7

8

9

1. EFF Waste water

2. EFF Waste Water

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:

1. [Signature]

DATE/TIME:

1/10/25 11:45

RECEIVED BY:

1. [Signature]

RELINQUISHED BY SAMPLER:

2. [Signature]

DATE/TIME:

1-10-25

RECEIVED BY:

2. [Signature]

RELINQUISHED BY SAMPLER:

3. [Signature]

DATE/TIME:

RECEIVED BY:

3. [Signature]

Conditions of bottles or coolers at receipt:

☐ COMPLIANT☐ NON COMPLIANT☐ COOLER TEMP

2.1 °C

Comments:

IF GUN #1

Page \_\_\_\_ of \_\_\_\_

CLIENT:

☐ Hand Delivered☐ Other \_\_\_\_\_

CHEMTECH:

☐ Picked Up☐ Field Sampling

Shipment Complete

☐ YES☐ NO



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

### 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       |



## LOGIN REPORT/SAMPLE TRANSFER

|                                             |        |                                                 |                              |
|---------------------------------------------|--------|-------------------------------------------------|------------------------------|
| <b>Order ID :</b> Q1066                     | ARDM01 | <b>Order Date :</b> 1/10/2025 12:15:00 PM       | <b>Project Mgr :</b>         |
| <b>Client Name :</b> Ardmore Chemical       |        | <b>Project Name :</b> PVSC Monthly 2024         | <b>Report Type :</b> Level 1 |
| <b>Client Contact :</b> Michael Sharphouse  |        | <b>Receive DateTime :</b> 1/10/2025 12:52:00 PM | <b>EDD Type :</b> NONE       |
| <b>Invoice Name :</b> Ardmore Chemical      |        | <b>Purchase Order :</b>                         | <b>Hard Copy Date :</b>      |
| <b>Invoice Contact :</b> Michael Sharphouse |        |                                                 | <b>Date Signoff :</b>        |

| LAB ID   | CLIENT ID       | MATRIX | SAMPLE DATE | SAMPLE TIME | TEST   | TEST GROUP | METHOD | FAX DATE | DUE DATES    |
|----------|-----------------|--------|-------------|-------------|--------|------------|--------|----------|--------------|
| Q1066-01 | EFF-WASTE WATER | Water  | 01/10/2025  | 10:15       | VOC-PP |            | 624.1  |          | 10 Bus. Days |

Relinquished By :                     

Date / Time : 1-10-25 1330

Received By :                     

Date / Time :                     

Storage Area : VOA Refridgerator Room