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

DATA PACKAGE

GENERAL CHEMISTRY

PROJECT NAME : NJ WASTE WATER PT

ALLIANCE TECHNICAL GROUP, LLC - NEWARK

284 Sheffiled Stree

Suite 1

Mountainside, NJ - 07092

Phone No: 908-789-8900

ORDER ID : Q3019

ATTENTION : Mohammad Ahmed

Laboratory Certification ID # 20012

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Cover Page

Order ID : Q3019

Project ID : NJ Waste Water PT

Client : Alliance Technical Group, LLC - Newark

Lab Sample Number	Client Sample Number
Q3019-01	WP0925-PT-CR6-WP
Q3019-02	WP0925-PT-CR6-WP
Q3019-03	WP0925-PT-DEM-WP
Q3019-04	WP0925-PT-DEM-WP
Q3019-05	WP0925-PT-MIN1-WP
Q3019-06	WP0925-PT-MIN1-WP
Q3019-07	WP0925-PT-COND-W
Q3019-08	WP0925-PT-COND-WP
Q3019-09	WP0925-PT-COND-WP
Q3019-10	WP0925-PT-SOL-WP
Q3019-11	WP0925-PT-NUT1-WP
Q3019-12	WP0925-PT-NUT1-WP
Q3019-13	WP0925-PT-NUT2-WP
Q3019-14	WP0925-PT-NUT3-WP
Q3019-15	WP0925-PT-NUT3-WP
Q3019-16	WP0925-PT-NUT3-WP
Q3019-17	WP0925-PT-ORG1L-WP
Q3019-18	WP0925-PT-TPH1L-WP
Q3019-19	WP0925-PT-CL-WP
Q3019-20	WP0925-PT-PH-WP
Q3019-21	WP0925-PT-PH-WP
Q3019-22	WP0925-PT-CN-WP
Q3019-23	WP0925-PT-CN-SP
Q3019-24	WP0925-PT-CN-SP
Q3019-25	WP0925-PT-PHEN-WP
Q3019-26	WP0925-PT-PHEN-WP
Q3019-27	WP0925-PT-COL-WP
Q3019-28	WP0925-PT-S2-WP
Q3019-29	WP0925-PT-S2-WP

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: 11/24/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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Fax : 908 789 8922

Cover Page

Order ID : Q3019

Project ID : NJ Waste Water PT

Client : Alliance Technical Group, LLC - Newark

Lab Sample Number	Client Sample Number
Q3019-30	WP0925-PT-SSOL-WP
Q3019-31	WP0925-PT-VSOL-WP
Q3019-32	WP0925-PT-VSOL-WP
Q3019-33	WP0925-PT-TURB-WP
Q3019-34	WP0925-PT-TURB-WP

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: 11/24/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

Alliance Technical Group, LLC - Newark
Project Name: NJ Waste Water PT
Project # N/A
Order ID # Q3019
Test Name: Alkalinity,Ammonia,Anions Group1,Anions Group2,Anions Group4,Anions Group5,BOD5,CBOD5,Chloride,COD,Color, Conductance, Cyanide, Hexavalent Chromium,Nitrite,Oil and Grease,pH,Phenolics,Phosphorus-Ortho,Phosphorus-Total,Residual Chlorine,Settleable Solids,Sulfate,Sulfide,TDS, TKN, TOC,TPH,TS,TSS,Turbidity,TVS

A. Number of Samples and Date of Receipt:
34 Water samples were received on 09/04/2025.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: Alkalinity,Ammonia,Anions Group1,Anions Group2,Anions Group4,Anions Group5,BOD5,CBOD5,Chloride,COD,Color,Conductance,Cyanide,Hexavalent Chromium,Nitrite,Oil and Grease,pH,Phenolics,Phosphorus-Ortho,Phosphorus-Total,Residual Chlorine,Settleable Solids,Sulfate,Sulfide,TDS, TKN,TOC, TPH,TS,TSS,Turbidity,TVS. This data package contains results for Alkalinity, Ammonia,Anions Group1,Anions Group2,Anions Group4,Anions Group5,BOD5, CBOD5, Chloride,COD,Color,Conductance,Cyanide,Hexavalent Chromium,Nitrite,Oil and Grease,pH,Phenolics,Phosphorus-Ortho,Phosphorus-Total,Residual Chlorine, Settleable Solids,Sulfate,Sulfide,TDS,TKN,TOC,TPH,TS,TSS,Turbidity,TVS.

C. Analytical Techniques:
The analysis of Conductance was based on method 120.1, The analysis of TVS was based on method 160.4, The analysis of Oil and Grease,TPH was based on method 1664A, The analysis of Turbidity was based on method 180.1, The analysis of Anions Group1,Anions Group2,Anions Group4 was based on method 300.0, The analysis of Phosphorus-Total was based on method 365.3, The analysis of Phenolics was based on method 420.1, The analysis of Hexavalent Chromium was based on method 7196A, The analysis of Cyanide was based on method 9012B, The analysis of Cyanide was based on method 9014, The analysis of Sulfide was based on method 9034, The analysis of Sulfate was based on method 9038, The analysis of pH was based on method 9040C, The analysis of Conductance was based on method 9050A, The analysis of Anions Group1,Anions Group2,Anions Group5 was based on method 9056A, The analysis of TOC was based on method 9060A, The analysis of Phenolics was based on method 9065, The analysis of pH was based on method SM 4500-H B, The analysis of Sulfate was based on method SM 4500-SO4E, The analysis of Color was based on method SM2120 B, The analysis of Turbidity was based on method SM2130 B, The analysis of Alkalinity was based on method SM2320 B, The analysis of Conductance was based on method SM2510 B, The

analysis of TS was based on method SM2540 B, The analysis of TDS was based on method SM2540 C, The analysis of TSS was based on method SM2540 D, The analysis of Settleable Solids was based on method SM2540 F, The analysis of TVS was based on method SM2540 G, The analysis of Hexavalent Chromium was based on method SM3500-Cr B, The analysis of Residual Chlorine was based on method SM4500 Cl G, The analysis of TKN was based on method SM4500 N Org B or C, The analysis of Sulfide was based on method SM4500 S EorF, The analysis of Chloride was based on method SM4500-CL C, The analysis of Cyanide was based on method SM4500-CN C,E, The analysis of Ammonia was based on method SM4500-NH3, The analysis of Nitrite was based on method SM4500-NO2 B, The analysis of Phosphorus-Ortho was based on method SM4500-P E, The analysis of BOD5,CBOD5 was based on method SM5210 B, The analysis of COD was based on method SM5220 D and The analysis of TOC was based on method SM5310B.

D. QA/ QC Samples:

The Holding Times were met for all analysis.
Sample WP0925-PT-DEM-WP was diluted due to high concentrations for TOC & Sample WP0925-PT-DEM-WP was diluted due to high concentrations for TOC & Sample WP0925-PT-MIN1-WP was diluted due to high concentrations for Chloride, Sulfate, Sulfate & Sample WP0925-PT-MIN1-WPDL was diluted due to high concentrations for Chloride & Sample WP0925-PT-MIN1-WP was diluted due to high concentrations for Chloride,Sulfate, Sulfate & Sample WP0925-PT-MIN1-WPDL was diluted due to high concentrations for Chloride & Sample WP0925-PT-NUT1-WP was diluted due to high concentrations for Ammonia as N, Nitrate & Sample WP0925-PT-NUT1-WP was diluted due to high concentrations for Orthophosphate as P, Nitrate & Sample WP0925-PT-NUT2-WP was diluted due to high concentrations for Phosphorus, Total & Sample WP0925-PT-NUT3-WP was diluted due to high concentrations for Nitrite & Sample WP0925-PT-CN-WP was diluted due to high concentrations for Cyanide & Sample WP0925-PT-CN-SP was diluted due to high concentrations for Cyanide & Sample WP0925-PT-CN-SP was diluted due to high concentrations for Cyanide.
The Blank Spike met requirements for all compounds.
The Duplicate analysis met criteria for all compounds.
The Matrix Spike analysis met criteria for all compounds.
The Matrix Spike Duplicate (EFFLUENTMSD) analysis met criteria for all compounds except for Phosphorus-Total due to Sample Matrix interference.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.

E. Additional Comments:

As per method 1664A (TPH), 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.

As per method 1664A (Oil and Grease), MS/MSD is required to be performed with the sample analysis. However, Lab did not receive sufficient volume to perform the MS/MSD for Q3019 therefore Lab reported MS-MSD from Q3057.

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_____

284 Sheffield Street, Mountainside NJ 07092
Tel. 908-789-8900 Fax: 908-789-8922

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

ALLIANCE 284 Sheffield Street, Mountainside New Jersey 07092

NEW JERSEY LAB ID#: 20012: NEW YORK LAB ID#: 11376

GENERAL CHEMISTRY CONFORMANCE/NON-CONFORMANCE SUMMARY

ORDER ID: Q3019

MATRIX : Water

METHOD:
120.1,160.4,1664A,180.1,300.0,365.3,420.1,7196A,9012B,9014,9034,9038,9040C,9050A,9056A,9060A,9065,SM 4500-H B,SM 4500-SO4E,SM2120 B,SM2130 B,SM2320 B,SM2510 B,SM2540 B,SM2540 C,SM2540 D,SM2540 F,SM2540 G,SM3500-Cr B,SM4500 Cl G,SM4500 N Org B or C,SM4500 S EorF,SM4500-CL C,SM4500-CN C,E,SM4500-NH3,SM4500-NO2 B,SM4500-P E,SM5210 B,SM5220 D,SM5310B

		NA	NO	YES
1.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
2.	Matrix Spike Duplicate Recoveries Met Criteria		✓	
	If not met, list those compounds and their recoveries which fall outside the acceptable range.			
	The Blank Spike met requirements for all compounds. The Matrix Spike analysis met criteria for all compounds. The Matrix Spike Duplicate (EFFLUENTMSD) analysis met criteria for all compounds except for Phosphorus-Total due to Sample Matrix interference.			
3.	Sample Duplicate Analysis Met QC Criteria			✓
	If not met, list those compounds and their recoveries which fall outside the acceptable range.			
4.	Digestion Holding Time Met			✓
	If not met, list number of days exceeded for each sample:			
	The Holding Times were met for all analysis.			

ADDITIONAL COMMENTS: As per method 1664A (TPH), 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.
As per method 1664A (Oil and Grease), MS/MSD is required to be performed with the sample analysis. However, Lab did not receive sufficient volume to perform the MS/MSD for Q3019 therefore Lab reported MS-MSD from Q3057.

_____ _____

QA REVIEW Date

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q3019

	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:** 11/24/2025

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LAB CHRONICLE

OrderID:	Q3019	**OrderDate:**	9/4/2025 10:19:00 AM
Client:	Alliance Technical Group, LLC - Newark	**Project:**	NJ Waste Water PT
Contact:	Mohammad Ahmed	**Location:**	QA Office

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3019-01	**WP0925-PT-CR6-WP**	**WATER**			**09/02/25 10:00**			**09/04/25**
			Hexavalent Chromium	7196A			09/19/25 15:17	
Q3019-02	**WP0925-PT-CR6-WP**	**WATER**			**09/02/25 10:00**			**09/04/25**
			Hexavalent Chromium	SM3500-Cr B			09/18/25 17:22	
Q3019-03	**WP0925-PT-DEM-WP**	**WATER**			**09/02/25 10:00**			**09/04/25**
			BOD5	SM5210 B			09/17/25 10:15	
			CBOD5	SM5210 B			09/17/25 09:30	
			COD	SM5220 D			09/22/25 14:27	
			TOC	SM5310B			10/07/25 12:54	
Q3019-03DL	**WP0925-PT-DEM-WP DL**	**WATER**			**09/02/25 10:00**			**09/04/25**
			TOC	SM5310B			10/07/25 14:16	
Q3019-04	**WP0925-PT-DEM-WP**	**WATER**			**09/02/25 10:00**			**09/04/25**
			TOC	9060A			10/07/25 12:54	
Q3019-04DL	**WP0925-PT-DEM-WP DL**	**WATER**			**09/02/25 10:00**			**09/04/25**

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LAB CHRONICLE

			TOC	9060A		10/07/25 14:16	
Q3019-05	**WP0925-PT-MIN1-WP**	**WATER**			**09/02/25 10:00**		**09/04/25**
			Alkalinity	SM2320 B		10/06/25 12:24	
			Anions Group1	300.0		09/11/25 11:49	
			Chloride	SM4500-CL C		09/15/25 15:45	
			Sulfate	SM 4500-SO4E		10/07/25 12:45	
Q3019-05DL	**WP0925-PT-MIN1-WP DL**	**WATER**			**09/02/25 10:00**		**09/04/25**
			Anions Group1	300.0		09/11/25 13:16	
			Sulfate	SM 4500-SO4E		10/07/25 12:48	
Q3019-05DL2	**WP0925-PT-MIN1-WP DL2**	**WATER**			**09/02/25 10:00**		**09/04/25**
			Anions Group1	300.0		09/11/25 13:37	
Q3019-06	**WP0925-PT-MIN1-WP**	**WATER**			**09/02/25 10:00**		**09/04/25**
			Anions Group1	9056A		09/11/25 11:49	
			Sulfate	9038		10/07/25 11:45	
Q3019-06DL	**WP0925-PT-MIN1-WP DL**	**WATER**			**09/02/25 10:00**		**09/04/25**
			Anions Group1	9056A		09/11/25 13:16	
			Sulfate	9038		10/07/25 11:48	
Q3019-06DL2	**WP0925-PT-MIN1-WP DL2**	**WATER**			**09/02/25 10:00**		**09/04/25**

LAB CHRONICLE

			Anions Group1	9056A			09/11/25 13:37	
Q3019-07	**WP0925-PT-COND-W**	**Water**			**09/02/25 10:00**			**09/04/25**
			Conductance	SM2510 B			09/12/25 13:45	
Q3019-08	**WP0925-PT-COND-WP**	**Water**			**09/02/25 10:00**			**09/04/25**
			Conductance	120.1			09/12/25 13:45	
Q3019-09	**WP0925-PT-COND-WP**	**Water**			**09/02/25 10:00**			**09/04/25**
			Conductance	9050A			09/12/25 13:45	
Q3019-10	**WP0925-PT-SOL-WP**	**WATER**			**09/02/25 10:00**			**09/04/25**
			TDS	SM2540 C			10/15/25 12:30	
			TS	SM2540 B			10/15/25 12:00	
			TSS	SM2540 D			10/16/25 09:35	
Q3019-11	**WP0925-PT-NUT1-WP**	**WATER**			**09/02/25 10:00**			**09/04/25**
			Ammonia	SM4500-NH3		09/16/25	09/17/25 10:43	
			Anions Group2	300.0			09/11/25 12:33	
Q3019-11DL	**WP0925-PT-NUT1-WP DL**	**WATER**			**09/02/25 10:00**			**09/04/25**
			Ammonia	SM4500-NH3		09/16/25	09/17/25 11:10	
			Anions Group2	300.0			09/11/25 13:59	
Q3019-12	**WP0925-PT-NUT1-WP**	**WATER**			**09/02/25 10:00**			**09/04/25**

LAB CHRONICLE

			Anions Group2	9056A			09/11/25 12:33	
			Phosphorus-Ortho	SM4500-P E			09/25/25 12:17	
Q3019-12DL	**WP0925-PT-NUT1-WP DL**	**WATER**			**09/02/25 10:00**			**09/04/25**
			Anions Group2	9056A			09/11/25 13:59	
			Phosphorus-Ortho	SM4500-P E			09/25/25 12:19	
Q3019-13	**WP0925-PT-NUT2-WP**	**WATER**			**09/02/25 10:00**			**09/04/25**
			Phosphorus-Total	365.3		09/25/25	09/25/25 13:37	
			TKN	SM4500-N Org C-11 plus NH3 B plus G-11		09/16/25	09/17/25 12:38	
Q3019-13DL	**WP0925-PT-NUT2-WP DL**	**WATER**			**09/02/25 10:00**			**09/04/25**
			Phosphorus-Total	365.3		09/25/25	09/25/25 13:39	
Q3019-14	**WP0925-PT-NUT3-WP**	**WATER**			**09/02/25 10:00**			**09/04/25**
			Nitrite	SM4500-NO2 B			09/11/25 12:16	
Q3019-14DL	**WP0925-PT-NUT3-WP DL**	**WATER**			**09/02/25 10:00**			**09/04/25**
			Nitrite	SM4500-NO2 B			09/11/25 12:40	
Q3019-15	**WP0925-PT-NUT3-WP**	**WATER**			**09/02/25 10:00**			**09/04/25**

LAB CHRONICLE

			Anions Group4	300.0			09/11/25 12:54	
Q3019-16	**WP0925-PT-NUT3-WP**	**WATER**			**09/02/25 10:00**			**09/04/25**
			Anions Group5	9056A			09/11/25 12:54	
Q3019-17	**WP0925-PT-ORG1L-WP**	**WATER**			**09/02/25 10:00**			**09/04/25**
			Oil and Grease	1664A			09/10/25 11:25	
Q3019-18	**WP0925-PT-TPH1L-WP**	**WATER**			**09/02/25 10:00**			**09/04/25**
			TPH	1664A			09/10/25 12:40	
Q3019-19	**WP0925-PT-CL-WP**	**Water**			**09/02/25 10:00**			**09/04/25**
			Residual Chlorine	SM4500 Cl G			09/10/25 11:24	
Q3019-20	**WP0925-PT-PH-WP**	**WATER**			**09/02/25 10:00**			**09/04/25**
			pH	9040C			09/18/25 10:35	
Q3019-21	**WP0925-PT-PH-WP**	**WATER**			**09/02/25 10:00**			**09/04/25**
			pH	SM 4500-H B			09/18/25 10:35	
Q3019-22	**WP0925-PT-CN-WP**	**WATER**			**09/02/25 10:00**			**09/04/25**
			Cyanide	SM4500-CN C,E		09/10/25	09/10/25 14:55	
Q3019-22DL	**WP0925-PT-CN-WPDL**	**WATER**			**09/02/25 10:00**			**09/04/25**
			Cyanide	SM4500-CN C,E		09/10/25	09/10/25 14:55	

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LAB CHRONICLE

Q3019-23	**WP0925-PT-CN-SP**	**WATER**			**09/02/25 10:00**			**09/04/25**
			Cyanide	9012B		09/10/25	09/10/25 11:48	
Q3019-23DL	**WP0925-PT-CN-SPDL**	**WATER**			**09/02/25 10:00**			**09/04/25**
			Cyanide	9012B		09/10/25	09/10/25 12:41	
Q3019-24	**WP0925-PT-CN-SP**	**WATER**			**09/02/25 10:00**			**09/04/25**
			Cyanide	9014		09/10/25	09/10/25 14:14	
Q3019-24DL	**WP0925-PT-CN-SPDL**	**WATER**			**09/02/25 10:00**			**09/04/25**
			Cyanide	9014		09/10/25	09/10/25 14:14	
Q3019-25	**WP0925-PT-PHEN-WP**	**WATER**			**09/02/25 10:00**			**09/04/25**
			Phenolics	9065		09/11/25	09/11/25 14:57	
Q3019-26	**WP0925-PT-PHEN-WP**	**WATER**			**09/02/25 10:00**			**09/04/25**
			Phenolics	420.1		09/11/25	09/11/25 14:14	
Q3019-27	**WP0925-PT-COL-WP**	**Water**			**09/02/25 10:00**			**09/04/25**
			Apparent Color	SM2120 B			09/15/25 13:45	
Q3019-28	**WP0925-PT-S2-WP**	**WATER**			**09/02/25 10:00**			**09/04/25**
			Sulfide	SM4500 S EorF		09/10/25	09/10/25 12:49	
Q3019-29	**WP0925-PT-S2-WP**	**WATER**			**09/02/25 10:00**			**09/04/25**

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LAB CHRONICLE

			Sulfide	9034		09/10/25	09/10/25 12:09	
Q3019-30	**WP0925-PT-SSOL-WP**	**Water**			**09/02/25 10:00**			**09/04/25**
			Settleable Solids	SM2540 F			09/12/25 12:15	
Q3019-31	**WP0925-PT-VSOL-WP**	**WATER**			**09/02/25 10:00**			**09/04/25**
			TVS	160.4			10/08/25 17:00	
Q3019-32	**WP0925-PT-VSOL-WP**	**WATER**			**09/02/25 10:00**			**09/04/25**
			TVS	SM2540 G			10/08/25 17:00	
Q3019-33	**WP0925-PT-TURB-WP**	**Water**			**09/02/25 10:00**			**09/04/25**
			Turbidity	SM2130 B			10/09/25 15:47	
Q3019-34	**WP0925-PT-TURB-WP**	**Water**			**09/02/25 10:00**			**09/04/25**
			Turbidity	180.1			10/09/25 15:47	

SAMPLE DATA

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Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	09/02/25 10:00
Project:	NJ Waste Water PT	Date Received:	09/04/25
Client Sample ID:	WP0925-PT-CR6-WP	SDG No.:	Q3019
Lab Sample ID:	Q3019-01	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Dissolved Hexavalent Chromium	0.82		1	0.0030	0.010	mg/L		09/19/25 15:17	7196A

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:	Alliance Technical Group, LLC - Newark	Date Collected:	09/02/25 10:00
Project:	NJ Waste Water PT	Date Received:	09/04/25
Client Sample ID:	WP0925-PT-CR6-WP	SDG No.:	Q3019
Lab Sample ID:	Q3019-02	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Dissolved Hexavalent Chromium	0.81		1	0.0030	0.010	mg/L		09/18/25 17:22	SM 3500-Cr B-20

Comments:

U = Not Detected
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Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	09/02/25 10:00
Project:	NJ Waste Water PT	Date Received:	09/04/25
Client Sample ID:	WP0925-PT-DEM-WP	SDG No.:	Q3019
Lab Sample ID:	Q3019-03	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
BOD5	58.8		1	0.20	2.00	mg/L		09/17/25 10:15	SM 5210 B-16
CBOD5	53.9		1	0.20	2.00	mg/L		09/17/25 09:30	SM 5210 B-16
COD	83.6		1	1.50	10.0	mg/L		09/22/25 14:27	SM 5220 D-11
TOC	33.9	OR	1	0.35	1.00	mg/L		10/07/25 12:54	SM 5310 B-14

Comments:

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Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	09/02/25 10:00
Project:	NJ Waste Water PT	Date Received:	09/04/25
Client Sample ID:	WP0925-PT-DEM-WPDL	SDG No.:	Q3019
Lab Sample ID:	Q3019-03DL	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
TOC	34.6	D	4	1.40	4.00	mg/L		10/07/25 14:16	SM 5310 B-14

Comments:

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Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	09/02/25 10:00
Project:	NJ Waste Water PT	Date Received:	09/04/25
Client Sample ID:	WP0925-PT-DEM-WP	SDG No.:	Q3019
Lab Sample ID:	Q3019-04	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
TOC	33.9	OR	1	0.40	1.00	mg/L		10/07/25 12:54	9060A

Comments:

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Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	09/02/25 10:00
Project:	NJ Waste Water PT	Date Received:	09/04/25
Client Sample ID:	WP0925-PT-DEM-WPDL	SDG No.:	Q3019
Lab Sample ID:	Q3019-04DL	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
TOC	34.6	D	4	1.60	4.00	mg/L		10/07/25 14:16	9060A

Comments:

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Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	09/02/25 10:00
Project:	NJ Waste Water PT	Date Received:	09/04/25
Client Sample ID:	WP0925-PT-MIN1-WP	SDG No.:	Q3019
Lab Sample ID:	Q3019-05	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Alkalinity	93.6		1	1.00	2.00	mg/L		10/06/25 12:24	SM 2320 B-21
Bromide	5.20		1	0.37	2.00	mg/L		09/11/25 11:49	300.0
Chloride	260	OR	1	0.19	0.60	mg/L		09/11/25 11:49	300.0
Fluoride	3.40		1	0.11	0.40	mg/L		09/11/25 11:49	300.0
Sulfate	112	OR	1	0.46	3.00	mg/L		09/11/25 11:49	300.0
Chloride	174		1	1.31	5.00	mg/L		09/15/25 15:45	SM 4500-Cl C-21
Sulfate	118	OR	1	0.43	5.00	mg/L		10/07/25 12:45	SM 4500-SO4E

Comments: The alkalinity to pH 4.38=93.6 mg CaCO3/L

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Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	09/02/25 10:00
Project:	NJ Waste Water PT	Date Received:	09/04/25
Client Sample ID:	WP0925-PT-MIN1-WPDL	SDG No.:	Q3019
Lab Sample ID:	Q3019-05DL	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Chloride	190	OR	10	1.90	6.00	mg/L		09/11/25 13:16	300.0
Sulfate	100	D	10	4.60	30.0	mg/L		09/11/25 13:16	300.0
Sulfate	98.8	D	5	2.15	25.0	mg/L		10/07/25 12:48	SM 4500-SO4E

Comments:

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Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	09/02/25 10:00
Project:	NJ Waste Water PT	Date Received:	09/04/25
Client Sample ID:	WP0925-PT-MIN1-WPDL2	SDG No.:	Q3019
Lab Sample ID:	Q3019-05DL2	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Chloride	176	D	50	9.50	30.0	mg/L		09/11/25 13:37	300.0

Comments:

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Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	09/02/25 10:00
Project:	NJ Waste Water PT	Date Received:	09/04/25
Client Sample ID:	WP0925-PT-MIN1-WP	SDG No.:	Q3019
Lab Sample ID:	Q3019-06	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Bromide	5.20		1	0.37	2.00	mg/L		09/11/25 11:49	9056A
Chloride	260	OR	1	0.19	0.60	mg/L		09/11/25 11:49	9056A
Fluoride	3.40		1	0.11	0.40	mg/L		09/11/25 11:49	9056A
Sulfate	112	OR	1	0.46	3.00	mg/L		09/11/25 11:49	9056A
Sulfate	116	OR	1	0.45	5.00	mg/L		10/07/25 11:45	9038

Comments:

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Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	09/02/25 10:00
Project:	NJ Waste Water PT	Date Received:	09/04/25
Client Sample ID:	WP0925-PT-MIN1-WPDL	SDG No.:	Q3019
Lab Sample ID:	Q3019-06DL	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Chloride	190	OR	10	1.90	6.00	mg/L		09/11/25 13:16	9056A
Sulfate	100	D	10	4.60	30.0	mg/L		09/11/25 13:16	9056A
Sulfate	102	D	5	2.25	25.0	mg/L		10/07/25 11:48	9038

Comments:

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Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	09/02/25 10:00
Project:	NJ Waste Water PT	Date Received:	09/04/25
Client Sample ID:	WP0925-PT-MIN1-WPDL2	SDG No.:	Q3019
Lab Sample ID:	Q3019-06DL2	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Chloride	176	D	50	9.50	30.0	mg/L		09/11/25 13:37	9056A

Comments:

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Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	09/02/25 10:00
Project:	NJ Waste Water PT	Date Received:	09/04/25
Client Sample ID:	WP0925-PT-COND-W	SDG No.:	Q3019
Lab Sample ID:	Q3019-07	Matrix:	Water
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Conductance	794		1	0.99	2.00	umho/cm		09/12/25 13:45	SM 2510 B-21

Comments: Conductance Result is Corrected to 25°C

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Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	09/02/25 10:00
Project:	NJ Waste Water PT	Date Received:	09/04/25
Client Sample ID:	WP0925-PT-COND-WP	SDG No.:	Q3019
Lab Sample ID:	Q3019-08	Matrix:	Water
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Conductance	794		1	0.99	2.00	umho/cm		09/12/25 13:45	120.1

Comments: Conductance Result is Corrected to 25°C

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Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	09/02/25 10:00
Project:	NJ Waste Water PT	Date Received:	09/04/25
Client Sample ID:	WP0925-PT-COND-WP	SDG No.:	Q3019
Lab Sample ID:	Q3019-09	Matrix:	Water
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Conductance	794		1	0.99	2.00	umho/cm		09/12/25 13:45	9050A

Comments: Conductance Result is Corrected to 25°C

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Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	09/02/25 10:00
Project:	NJ Waste Water PT	Date Received:	09/04/25
Client Sample ID:	WP0925-PT-SOL-WP	SDG No.:	Q3019
Lab Sample ID:	Q3019-10	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
TDS	621		1	1.00	10.0	mg/L		10/15/25 12:30	SM 2540 C-20
TS	640		1	1.00	5.00	mg/L		10/15/25 12:00	SM 2540 B-20
TSS	24.0		1	1.00	4.00	mg/L		10/16/25 09:35	SM 2540 D-20

Comments:

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

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

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

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	09/02/25 10:00
Project:	NJ Waste Water PT	Date Received:	09/04/25
Client Sample ID:	WP0925-PT-NUT1-WP	SDG No.:	Q3019
Lab Sample ID:	Q3019-11	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Ammonia as N	16.8	OR	1	0.030	0.10	mg/L	09/16/25 15:50	09/17/25 10:43	SM 4500-NH3 B plus G-21
Nitrite	0.074	U	1	0.074	0.60	mg/L		09/11/25 12:33	300.0
Nitrate	8.10	OR	1	0.095	0.50	mg/L		09/11/25 12:33	300.0
Orthophosphate as P	3.80		1	0.34	1.00	mg/L		09/11/25 12:33	300.0

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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Fax : 908 789 8922

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	09/02/25 10:00
Project:	NJ Waste Water PT	Date Received:	09/04/25
Client Sample ID:	WP0925-PT-NUT1-WPDL	SDG No.:	Q3019
Lab Sample ID:	Q3019-11DL	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Ammonia as N	15.6	D	10	0.30	1.00	mg/L	09/16/25 15:50	09/17/25 11:10	SM 4500-NH3 B plus G-21
Nitrate	7.80	D	2	0.19	1.00	mg/L		09/11/25 13:59	300.0

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time
J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	09/02/25 10:00
Project:	NJ Waste Water PT	Date Received:	09/04/25
Client Sample ID:	WP0925-PT-NUT1-WP	SDG No.:	Q3019
Lab Sample ID:	Q3019-12	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Nitrite	0.074	U	1	0.074	0.60	mg/L		09/11/25 12:33	9056A
Nitrate	8.10	OR	1	0.095	0.50	mg/L		09/11/25 12:33	9056A
Orthophosphate as P	3.80		1	0.34	1.00	mg/L		09/11/25 12:33	9056A
Orthophosphate as P	1.51	OR	1	0.0040	0.050	mg/L		09/25/25 12:17	SM 4500-P E-21

Comments:

U = Not Detected
LOQ = Limit of Quantitation
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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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Fax : 908 789 8922

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	09/02/25 10:00
Project:	NJ Waste Water PT	Date Received:	09/04/25
Client Sample ID:	WP0925-PT-NUT1-WPDL	SDG No.:	Q3019
Lab Sample ID:	Q3019-12DL	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Nitrate	7.80	D	2	0.19	1.00	mg/L		09/11/25 13:59	9056A
Orthophosphate as P	3.65	D	10	0.038	0.50	mg/L		09/25/25 12:19	SM 4500-PE-2

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:	Alliance Technical Group, LLC - Newark	Date Collected:	09/02/25 10:00
Project:	NJ Waste Water PT	Date Received:	09/04/25
Client Sample ID:	WP0925-PT-NUT2-WP	SDG No.:	Q3019
Lab Sample ID:	Q3019-13	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Phosphorus, Total	1.65	OR	1	0.0050	0.050	mg/L	09/25/25 10:40	09/25/25 13:37	365.3
TKN	9.80		1	0.11	0.50	mg/L	09/16/25 10:35	09/17/25 12:38	SM4500-N Org C-21 plus NH3 B plus G-21

Comments:

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LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
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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:	Alliance Technical Group, LLC - Newark	Date Collected:	09/02/25 10:00
Project:	NJ Waste Water PT	Date Received:	09/04/25
Client Sample ID:	WP0925-PT-NUT2-WPDL	SDG No.:	Q3019
Lab Sample ID:	Q3019-13DL	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Phosphorus, Total	4.90	D	10	0.045	0.50	mg/L	09/25/25 10:40	09/25/25 13:39	365.3

Comments:

U = Not Detected
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LOD = Limit of Detection
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H = Sample Analysis Out Of Hold Time
J = Estimated Value
B = Analyte Found in Associated Method Blank
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N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	09/02/25 10:00
Project:	NJ Waste Water PT	Date Received:	09/04/25
Client Sample ID:	WP0925-PT-NUT3-WP	SDG No.:	Q3019
Lab Sample ID:	Q3019-14	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Nitrite	1.50	OR	1	0.0029	0.012	mg/L		09/11/25 12:16	SM 4500-NO2 B-21

Comments:

U = Not Detected
LOQ = Limit of Quantitation
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H = Sample Analysis Out Of Hold Time
J = Estimated Value
B = Analyte Found in Associated Method Blank
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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:	Alliance Technical Group, LLC - Newark	Date Collected:	09/02/25 10:00
Project:	NJ Waste Water PT	Date Received:	09/04/25
Client Sample ID:	WP0925-PT-NUT3-WPDL	SDG No.:	Q3019
Lab Sample ID:	Q3019-14DL	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Nitrite	1.50	D	5	0.015	0.060	mg/L		09/11/25 12:40	SM 4500-NO2 B-21

Comments:

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J = Estimated Value
B = Analyte Found in Associated Method Blank
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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:	Alliance Technical Group, LLC - Newark	Date Collected:	09/02/25 10:00
Project:	NJ Waste Water PT	Date Received:	09/04/25
Client Sample ID:	WP0925-PT-NUT3-WP	SDG No.:	Q3019
Lab Sample ID:	Q3019-15	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Nitrite	1.50		1	0.074	0.60	mg/L		09/11/25 12:54	300.0

Comments:

U = Not Detected
LOQ = Limit of Quantitation
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LOD = Limit of Detection
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H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
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OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	09/02/25 10:00
Project:	NJ Waste Water PT	Date Received:	09/04/25
Client Sample ID:	WP0925-PT-NUT3-WP	SDG No.:	Q3019
Lab Sample ID:	Q3019-16	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Nitrite	1.50		1	0.074	0.60	mg/L		09/11/25 12:54	9056A

Comments:

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N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	09/02/25 10:00
Project:	NJ Waste Water PT	Date Received:	09/04/25
Client Sample ID:	WP0925-PT-ORG1L-WP	SDG No.:	Q3019
Lab Sample ID:	Q3019-17	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Oil and Grease	66.1		1	0.29	5.00	mg/L		09/10/25 11:25	1664A

Comments:

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Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	09/02/25 10:00
Project:	NJ Waste Water PT	Date Received:	09/04/25
Client Sample ID:	WP0925-PT-TPH1L-WP	SDG No.:	Q3019
Lab Sample ID:	Q3019-18	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
TPH	109		1	0.29	5.00	mg/L		09/10/25 12:40	1664A

Comments:

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LOD = Limit of Detection
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J = Estimated Value
B = Analyte Found in Associated Method Blank
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N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	09/02/25 10:00
Project:	NJ Waste Water PT	Date Received:	09/04/25
Client Sample ID:	WP0925-PT-CL-WP	SDG No.:	Q3019
Lab Sample ID:	Q3019-19	Matrix:	Water
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Residual Chlorine	0.67		1	0.023	0.10	mg/L		09/10/25 11:24	SM 4500-Cl G-11

Comments:

U = Not Detected
LOQ = Limit of Quantitation
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LOD = Limit of Detection
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H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
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OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	09/02/25 10:00
Project:	NJ Waste Water PT	Date Received:	09/04/25
Client Sample ID:	WP0925-PT-PH-WP	SDG No.:	Q3019
Lab Sample ID:	Q3019-20	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
pH	5.82		1	0	0	pH		09/18/25 10:35	9040C

Comments: pH result reported at temperature 21.3 °C

U = Not Detected
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LOD = Limit of Detection
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H = Sample Analysis Out Of Hold Time
J = Estimated Value
B = Analyte Found in Associated Method Blank
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N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	09/02/25 10:00
Project:	NJ Waste Water PT	Date Received:	09/04/25
Client Sample ID:	WP0925-PT-PH-WP	SDG No.:	Q3019
Lab Sample ID:	Q3019-21	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
pH	5.82		1	0	0	pH		09/18/25 10:35	SM 4500-H B-21

Comments: pH result reported at temperature 21.3 °C

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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:	Alliance Technical Group, LLC - Newark	Date Collected:	09/02/25 10:00
Project:	NJ Waste Water PT	Date Received:	09/04/25
Client Sample ID:	WP0925-PT-CN-WP	SDG No.:	Q3019
Lab Sample ID:	Q3019-22	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.76	OR	1	0.0012	0.0050	mg/L	09/10/25 10:15	09/10/25 14:55	SM 4500-CN C-21 plus E-21

Comments:

U = Not Detected
LOQ = Limit of Quantitation
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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
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N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	09/02/25 10:00
Project:	NJ Waste Water PT	Date Received:	09/04/25
Client Sample ID:	WP0925-PT-CN-WPDL	SDG No.:	Q3019
Lab Sample ID:	Q3019-22DL	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.76	D	5	0.0060	0.025	mg/L	09/10/25 10:15	09/10/25 14:55	SM 4500-CN C-21 plus E-21

Comments:

U = Not Detected
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MDL = Method Detection Limit
LOD = Limit of Detection
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H = Sample Analysis Out Of Hold Time
J = Estimated Value
B = Analyte Found in Associated Method Blank
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N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	09/02/25 10:00
Project:	NJ Waste Water PT	Date Received:	09/04/25
Client Sample ID:	WP0925-PT-CN-SP	SDG No.:	Q3019
Lab Sample ID:	Q3019-23	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.76	OR	1	0.00096	0.0050	mg/L	09/10/25 08:10	09/10/25 11:48	9012B

Comments:

U = Not Detected
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MDL = Method Detection Limit
LOD = Limit of Detection
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H = Sample Analysis Out Of Hold Time
J = Estimated Value
B = Analyte Found in Associated Method Blank
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N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	09/02/25 10:00
Project:	NJ Waste Water PT	Date Received:	09/04/25
Client Sample ID:	WP0925-PT-CN-SPDL	SDG No.:	Q3019
Lab Sample ID:	Q3019-23DL	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.76	D	5	0.0048	0.025	mg/L	09/10/25 08:10	09/10/25 12:41	9012B

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.
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N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	09/02/25 10:00
Project:	NJ Waste Water PT	Date Received:	09/04/25
Client Sample ID:	WP0925-PT-CN-SP	SDG No.:	Q3019
Lab Sample ID:	Q3019-24	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.74	OR	1	0.00096	0.0050	mg/L	09/10/25 10:15	09/10/25 14:14	9014

Comments:

U = Not Detected
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MDL = Method Detection Limit
LOD = Limit of Detection
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H = Sample Analysis Out Of Hold Time
J = Estimated Value
B = Analyte Found in Associated Method Blank
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N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	09/02/25 10:00
Project:	NJ Waste Water PT	Date Received:	09/04/25
Client Sample ID:	WP0925-PT-CN-SPDL	SDG No.:	Q3019
Lab Sample ID:	Q3019-24DL	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Cyanide	0.75	D	5	0.0048	0.025	mg/L	09/10/25 10:15	09/10/25 14:14	9014

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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Fax : 908 789 8922

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	09/02/25 10:00
Project:	NJ Waste Water PT	Date Received:	09/04/25
Client Sample ID:	WP0925-PT-PHEN-WP	SDG No.:	Q3019
Lab Sample ID:	Q3019-25	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Phenolics	0.93		1	0.015	0.050	mg/L	09/11/25 12:00	09/11/25 14:57	9065

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:	Alliance Technical Group, LLC - Newark	Date Collected:	09/02/25 10:00
Project:	NJ Waste Water PT	Date Received:	09/04/25
Client Sample ID:	WP0925-PT-PHEN-WP	SDG No.:	Q3019
Lab Sample ID:	Q3019-26	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Phenolics	0.93		1	0.015	0.050	mg/L	09/11/25 12:00	09/11/25 14:14	420.1

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:	Alliance Technical Group, LLC - Newark	Date Collected:	09/02/25 10:00
Project:	NJ Waste Water PT	Date Received:	09/04/25
Client Sample ID:	WP0925-PT-COL-WP	SDG No.:	Q3019
Lab Sample ID:	Q3019-27	Matrix:	Water
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Apparent Color	50.0		1	5.00	5.00	cu		09/15/25 13:45	SM 2120 B-21

Comments: Apparent color result reported at pH 1.12

U = Not Detected
LOQ = Limit of Quantitation
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LOD = Limit of Detection
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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:	Alliance Technical Group, LLC - Newark	Date Collected:	09/02/25 10:00
Project:	NJ Waste Water PT	Date Received:	09/04/25
Client Sample ID:	WP0925-PT-S2-WP	SDG No.:	Q3019
Lab Sample ID:	Q3019-28	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Sulfide	4.32		1	0.19	1.00	mg/L	09/10/25 10:50	09/10/25 12:49	SM4500 S EorF

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:	Alliance Technical Group, LLC - Newark	Date Collected:	09/02/25 10:00
Project:	NJ Waste Water PT	Date Received:	09/04/25
Client Sample ID:	WP0925-PT-S2-WP	SDG No.:	Q3019
Lab Sample ID:	Q3019-29	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Sulfide	4.32		1	0.43	1.00	mg/L	09/10/25 10:50	09/10/25 12:09	9034

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:	Alliance Technical Group, LLC - Newark	Date Collected:	09/02/25 10:00
Project:	NJ Waste Water PT	Date Received:	09/04/25
Client Sample ID:	WP0925-PT-SSOL-WP	SDG No.:	Q3019
Lab Sample ID:	Q3019-30	Matrix:	Water
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Settleable Solids	42.0		1	0.50	0.50	ml/L		09/12/25 12:15	SM 2540 F-20

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:	Alliance Technical Group, LLC - Newark	Date Collected:	09/02/25 10:00
Project:	NJ Waste Water PT	Date Received:	09/04/25
Client Sample ID:	WP0925-PT-VSOL-WP	SDG No.:	Q3019
Lab Sample ID:	Q3019-31	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
TVS	360		1	1.00	10.0	mg/L		10/08/25 17:00	160.4

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:	Alliance Technical Group, LLC - Newark	Date Collected:	09/02/25 10:00
Project:	NJ Waste Water PT	Date Received:	09/04/25
Client Sample ID:	WP0925-PT-VSOL-WP	SDG No.:	Q3019
Lab Sample ID:	Q3019-32	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
TVS	360		1	1.00	10.0	mg/L		10/08/25 17:00	SM2540G

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:	Alliance Technical Group, LLC - Newark	Date Collected:	09/02/25 10:00
Project:	NJ Waste Water PT	Date Received:	09/04/25
Client Sample ID:	WP0925-PT-TURB-WP	SDG No.:	Q3019
Lab Sample ID:	Q3019-33	Matrix:	Water
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Turbidity	13.4		1	0.15	1.00	NTU		10/09/25 15:47	SM 2130 B-20

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:	Alliance Technical Group, LLC - Newark	Date Collected:	09/02/25 10:00
Project:	NJ Waste Water PT	Date Received:	09/04/25
Client Sample ID:	WP0925-PT-TURB-WP	SDG No.:	Q3019
Lab Sample ID:	Q3019-34	Matrix:	Water
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Turbidity	13.4		1	0.15	1.00	NTU		10/09/25 15:47	180.1

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
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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

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Initial and Continuing Calibration Verification

Client: Alliance Technical Group, LLC - Newark **SDG No.:** Q3019

Project: NJ Waste Water PT **RunNo.:** LB137132

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID:	ICV1						
Cyanide		mg/L	0.096	0.099	97	90-110	09/10/2025
Sample ID:	CCV1						
Cyanide		mg/L	0.25	0.25	100	90-110	09/10/2025
Sample ID:	CCV2						
Cyanide		mg/L	0.25	0.25	100	90-110	09/10/2025
Sample ID:	CCV3						
Cyanide		mg/L	0.25	0.25	100	90-110	09/10/2025
Sample ID:	CCV4						
Cyanide		mg/L	0.26	0.25	104	90-110	09/10/2025

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Initial and Continuing Calibration Verification

Client:	Alliance Technical Group, LLC - Newark	**SDG No.:**	Q3019
Project:	NJ Waste Water PT	**RunNo.:**	LB137134

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID:	**ICV1**						
Cyanide		mg/L	0.097	0.099	98	85-115	09/10/2025
Sample ID:	**CCV1**						
Cyanide		mg/L	0.25	0.25	100	90-110	09/10/2025
Sample ID:	**CCV2**						
Cyanide		mg/L	0.26	0.25	104	90-110	09/10/2025

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Initial and Continuing Calibration Verification

Client:	Alliance Technical Group, LLC - Newark	**SDG No.:**	Q3019
Project:	NJ Waste Water PT	**RunNo.:**	LB137135

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID:	**ICV1**						
Cyanide		mg/L	0.098	0.099	99	90-110	09/10/2025
Sample ID:	**CCV1**						
Cyanide		mg/L	0.25	0.25	100	90-110	09/10/2025
Sample ID:	**CCV2**						
Cyanide		mg/L	0.25	0.25	100	90-110	09/10/2025

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Initial and Continuing Calibration Verification

Client:	Alliance Technical Group, LLC - Newark	**SDG No.:**	Q3019
Project:	NJ Waste Water PT	**RunNo.:**	LB137137

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV						
Residual Chlorine	mg/L	0.429	0.4	107	90-110	09/10/2025
Sample ID: CCV1						
Residual Chlorine	mg/L	0.398	0.4	100	90-110	09/10/2025
Sample ID: CCV2						
Residual Chlorine	mg/L	0.398	0.4	100	90-110	09/10/2025
Sample ID: CCV3						
Residual Chlorine	mg/L	0.408	0.4	102	90-110	09/10/2025

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Initial and Continuing Calibration Verification

Client:	Alliance Technical Group, LLC - Newark	**SDG No.:**	Q3019
Project:	NJ Waste Water PT	**RunNo.:**	LB137152

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID:	**ICV1**						
Nitrite		mg/L	0.3	0.3	100	90-110	09/11/2025
Sample ID:	**CCV1**						
Nitrite		mg/L	0.3	0.3	100	90-110	09/11/2025
Sample ID:	**CCV2**						
Nitrite		mg/L	0.3	0.3	100	90-110	09/11/2025
Sample ID:	**CCV3**						
Nitrite		mg/L	0.3	0.3	100	90-110	09/11/2025

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Initial and Continuing Calibration Verification

Client:	Alliance Technical Group, LLC - Newark	**SDG No.:**	Q3019
Project:	NJ Waste Water PT	**RunNo.:**	LB137157

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID:	**ICV1**						
Phenolics		mg/L	1.1	1	110	90-110	09/11/2025
Sample ID:	**CCV1**						
Phenolics		mg/L	0.99	1	99	90-110	09/11/2025
Sample ID:	**CCV2**						
Phenolics		mg/L	0.98	1	98	90-110	09/11/2025

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Initial and Continuing Calibration Verification

Client:	Alliance Technical Group, LLC - Newark	**SDG No.:**	Q3019
Project:	NJ Waste Water PT	**RunNo.:**	LB137160

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID:	**ICV1**						
Phenolics		mg/L	0.99	1	99	90-110	09/11/2025
Sample ID:	**CCV1**						
Phenolics		mg/L	0.99	1	99	90-110	09/11/2025
Sample ID:	**CCV2**						
Phenolics		mg/L	0.99	1	99	90-110	09/11/2025

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Initial and Continuing Calibration Verification

Client: Alliance Technical Group, LLC - Newark **SDG No.:** Q3019

Project: NJ Waste Water PT **RunNo.:** LB137171

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1						
Bromide	mg/L	10	10	100	90-110	09/09/2025
Chloride	mg/L	3	3	100	90-110	09/09/2025
Fluoride	mg/L	2	2	100	90-110	09/09/2025
Nitrite	mg/L	3	3	100	90-110	09/09/2025
Nitrate	mg/L	2.5	2.5	100	90-110	09/09/2025
Sulfate	mg/L	14.8	15	99	90-110	09/09/2025
Orthophosphate as P	mg/L	5	5	100	90-110	09/09/2025
Sample ID: CCV1						
Bromide	mg/L	10.1	10	101	90-110	09/11/2025
Chloride	mg/L	3	3	100	90-110	09/11/2025
Fluoride	mg/L	2	2	100	90-110	09/11/2025
Nitrite	mg/L	3	3	100	90-110	09/11/2025
Nitrate	mg/L	2.4	2.5	96	90-110	09/11/2025
Sulfate	mg/L	14.9	15	99	90-110	09/11/2025
Orthophosphate as P	mg/L	5.1	5	102	90-110	09/11/2025
Sample ID: CCV2						
Bromide	mg/L	10	10	100	90-110	09/11/2025
Chloride	mg/L	2.9	3	97	90-110	09/11/2025
Fluoride	mg/L	2	2	100	90-110	09/11/2025
Nitrite	mg/L	3	3	100	90-110	09/11/2025
Nitrate	mg/L	2.4	2.5	96	90-110	09/11/2025
Sulfate	mg/L	14.9	15	99	90-110	09/11/2025
Orthophosphate as P	mg/L	5	5	100	90-110	09/11/2025

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Initial and Continuing Calibration Verification

Client: Alliance Technical Group, LLC - Newark **SDG No.:** Q3019

Project: NJ Waste Water PT **RunNo.:** LB137172

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1						
Bromide	mg/L	10	10	100	90-110	09/09/2025
Chloride	mg/L	3	3	100	90-110	09/09/2025
Fluoride	mg/L	2	2	100	90-110	09/09/2025
Nitrite	mg/L	3	3	100	90-110	09/09/2025
Nitrate	mg/L	2.5	2.5	100	90-110	09/09/2025
Sulfate	mg/L	14.8	15	99	90-110	09/09/2025
Orthophosphate as P	mg/L	5	5	100	90-110	09/09/2025
Sample ID: CCV1						
Bromide	mg/L	10.1	10	101	90-110	09/11/2025
Chloride	mg/L	3	3	100	90-110	09/11/2025
Fluoride	mg/L	2	2	100	90-110	09/11/2025
Nitrite	mg/L	3	3	100	90-110	09/11/2025
Nitrate	mg/L	2.4	2.5	96	90-110	09/11/2025
Sulfate	mg/L	14.9	15	99	90-110	09/11/2025
Orthophosphate as P	mg/L	5.1	5	102	90-110	09/11/2025
Sample ID: CCV2						
Bromide	mg/L	10	10	100	90-110	09/11/2025
Chloride	mg/L	2.9	3	97	90-110	09/11/2025
Fluoride	mg/L	2	2	100	90-110	09/11/2025
Nitrite	mg/L	3	3	100	90-110	09/11/2025
Nitrate	mg/L	2.4	2.5	96	90-110	09/11/2025
Sulfate	mg/L	14.9	15	99	90-110	09/11/2025
Orthophosphate as P	mg/L	5	5	100	90-110	09/11/2025

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Initial and Continuing Calibration Verification

Client: Alliance Technical Group, LLC - Newark **SDG No.:** Q3019

Project: NJ Waste Water PT **RunNo.:** LB137211

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1						
Ammonia as N	mg/L	1	1	100	90-110	09/17/2025
Sample ID: CCV1						
Ammonia as N	mg/L	1	1	100	90-110	09/17/2025
Sample ID: CCV2						
Ammonia as N	mg/L	1	1	100	90-110	09/17/2025
Sample ID: CCV3						
Ammonia as N	mg/L	1	1	100	90-110	09/17/2025

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Initial and Continuing Calibration Verification

Client:	Alliance Technical Group, LLC - Newark	**SDG No.:**	Q3019
Project:	NJ Waste Water PT	**RunNo.:**	LB137214

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID:	**ICV1**						
TKN		mg/L	5	5	100	90-110	09/17/2025
Sample ID:	**CCV1**						
TKN		mg/L	4.8	5	96	90-110	09/17/2025
Sample ID:	**CCV2**						
TKN		mg/L	5.1	5	102	90-110	09/17/2025

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Initial and Continuing Calibration Verification

Client:	Alliance Technical Group, LLC - Newark	**SDG No.:**	Q3019
Project:	NJ Waste Water PT	**RunNo.:**	LB137223

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: **ICV**						
pH	pH	7.02	7	100	90-110	09/18/2025
Sample ID: **CCV1**						
pH	pH	7.00	7.00	100	90-110	09/18/2025
Sample ID: **CCV2**						
pH	pH	7.01	7.00	100	90-110	09/18/2025

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Initial and Continuing Calibration Verification

Client:	Alliance Technical Group, LLC - Newark	**SDG No.:**	Q3019
Project:	NJ Waste Water PT	**RunNo.:**	LB137224

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: **ICV**						
pH	pH	7.02	7	100	90-110	09/18/2025
Sample ID: **CCV1**						
pH	pH	7.00	7.00	100	90-110	09/18/2025
Sample ID: **CCV2**						
pH	pH	7.01	7.00	100	90-110	09/18/2025

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Initial and Continuing Calibration Verification

Client:	Alliance Technical Group, LLC - Newark	**SDG No.:**	Q3019
Project:	NJ Waste Water PT	**RunNo.:**	LB137233

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV						
Hexavalent Chromium	mg/L	0.492	0.5	98	95-105	09/18/2025
Sample ID: CCV1						
Hexavalent Chromium	mg/L	0.514	0.5	103	90-110	09/18/2025
Sample ID: CCV2						
Hexavalent Chromium	mg/L	0.518	0.5	104	90-110	09/18/2025

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Initial and Continuing Calibration Verification

Client:	Alliance Technical Group, LLC - Newark	**SDG No.:**	Q3019
Project:	NJ Waste Water PT	**RunNo.:**	LB137249

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV						
Hexavalent Chromium	mg/L	0.501	0.5	100	90-110	09/19/2025
Sample ID: CCV1						
Hexavalent Chromium	mg/L	0.511	0.5	102	90-110	09/19/2025
Sample ID: CCV2						
Hexavalent Chromium	mg/L	0.507	0.5	101	90-110	09/19/2025

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Initial and Continuing Calibration Verification

Client:	Alliance Technical Group, LLC - Newark	**SDG No.:**	Q3019
Project:	NJ Waste Water PT	**RunNo.:**	LB137264

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID:	**ICV**						
COD		mg/L	50.173	50	100	95-105	09/08/2025
Sample ID:	**CCV1**						
COD		mg/L	51.184	50	102	95-105	09/22/2025
Sample ID:	**CCV2**						
COD		mg/L	50.173	50	100	95-105	09/22/2025

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Initial and Continuing Calibration Verification

Client: Alliance Technical Group, LLC - Newark **SDG No.:** Q3019

Project: NJ Waste Water PT **RunNo.:** LB137319

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV						
Orthophosphate as P	mg/L	0.494	0.50	99	90-110	09/25/2025
Sample ID: CCV1						
Orthophosphate as P	mg/L	0.502	0.5	100	90-110	09/25/2025
Sample ID: CCV2						
Orthophosphate as P	mg/L	0.505	0.5	101	90-110	09/25/2025

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Initial and Continuing Calibration Verification

Client:	Alliance Technical Group, LLC - Newark	**SDG No.:**	Q3019
Project:	NJ Waste Water PT	**RunNo.:**	LB137320

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV						
Phosphorus, Total	mg/L	0.505	0.50	101	90-110	09/25/2025
Sample ID: CCV1						
Phosphorus, Total	mg/L	0.502	0.50	100	90-110	09/25/2025
Sample ID: CCV2						
Phosphorus, Total	mg/L	0.491	0.50	98	90-110	09/25/2025

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Initial and Continuing Calibration Verification

Client:	Alliance Technical Group, LLC - Newark	**SDG No.:**	Q3019
Project:	NJ Waste Water PT	**RunNo.:**	LB137443

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID:	**ICV**						
Sulfate		mg/L	19.320	20	97	90-110	10/07/2025
Sample ID:	**CCV1**						
Sulfate		mg/L	19.029	20	95	90-110	10/07/2025
Sample ID:	**CCV2**						
Sulfate		mg/L	19.672	20	98	90-110	10/07/2025

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Initial and Continuing Calibration Verification

Client:	Alliance Technical Group, LLC - Newark	**SDG No.:**	Q3019
Project:	NJ Waste Water PT	**RunNo.:**	LB137444

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID:	**ICV**						
Sulfate		mg/L	19.402	20	97	90-110	10/07/2025
Sample ID:	**CCV1**						
Sulfate		mg/L	19.172	20	96	90-110	10/07/2025
Sample ID:	**CCV2**						
Sulfate		mg/L	19.355	20	97	90-110	10/07/2025

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Initial and Continuing Calibration Verification

Client:	Alliance Technical Group, LLC - Newark	**SDG No.:**	Q3019
Project:	NJ Waste Water PT	**RunNo.:**	LB137457

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID:	**ICV1**						
TOC		mg/L	10.2	10	102	90-110	10/06/2025
Sample ID:	**CCV1**						
TOC		mg/L	0.88	1	88	50-150	10/07/2025
Sample ID:	**CCV2**						
TOC		mg/L	10	10	100	90-110	10/07/2025

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Initial and Continuing Calibration Verification

Client:	Alliance Technical Group, LLC - Newark	**SDG No.:**	Q3019
Project:	NJ Waste Water PT	**RunNo.:**	LB137458

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID:	**ICV1**						
TOC		mg/L	10.2	10	102	90-110	10/06/2025
Sample ID:	**CCV1**						
TOC		mg/L	10.1	10	101	90-110	10/07/2025
Sample ID:	**CCV2**						
TOC		mg/L	10	10	100	90-110	10/07/2025

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Initial and Continuing Calibration Verification

Client:	Alliance Technical Group, LLC - Newark	**SDG No.:**	Q3019
Project:	NJ Waste Water PT	**RunNo.:**	LB137482

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID:	**ICV**						
Turbidity		NTU	10.385	10	104	90-110	10/09/2025
Sample ID:	**CCV1**						
Turbidity		NTU	9.663	10	97	90-110	10/09/2025
Sample ID:	**CCV2**						
Turbidity		NTU	9.122	10	91	90-110	10/09/2025

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Initial and Continuing Calibration Verification

Client:	Alliance Technical Group, LLC - Newark	**SDG No.:**	Q3019
Project:	NJ Waste Water PT	**RunNo.:**	LB137483

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID:	**ICV**						
Turbidity		NTU	10.385	10	104	90-110	10/09/2025
Sample ID:	**CCV1**						
Turbidity		NTU	9.663	10	97	90-110	10/09/2025
Sample ID:	**CCV2**						
Turbidity		NTU	9.122	10	91	90-110	10/09/2025

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Initial and Continuing Calibration Blank Summary

Client:	Alliance Technical Group, LLC - Newark	**SDG No.:**	Q3019
Project:	NJ Waste Water PT	**RunNo.:**	LB137132

Analyte		Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID:	ICB1							
Cyanide		mg/L	0.0016	0.0025	J	0.00096	0.005	09/10/2025
Sample ID:	CCB1							
Cyanide		mg/L	0.0017	0.0025	J	0.00096	0.005	09/10/2025
Sample ID:	CCB2							
Cyanide		mg/L	0.0015	0.0025	J	0.00096	0.005	09/10/2025
Sample ID:	CCB3							
Cyanide		mg/L	0.002	0.0025	J	0.00096	0.005	09/10/2025
Sample ID:	CCB4							
Cyanide		mg/L	0.0019	0.0025	J	0.00096	0.005	09/10/2025

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Initial and Continuing Calibration Blank Summary

Client: Alliance Technical Group, LLC - Newark **SDG No.:** Q3019

Project: NJ Waste Water PT **RunNo.:** LB137134

Analyte		Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID:	ICB1							
Cyanide		mg/L	0.0019	0.0025	J	0.0012	0.005	09/10/2025
Sample ID:	CCB1							
Cyanide		mg/L	0.0021	0.0025	J	0.0012	0.005	09/10/2025
Sample ID:	CCB2							
Cyanide		mg/L	0.0016	0.0025	J	0.0012	0.005	09/10/2025

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Initial and Continuing Calibration Blank Summary

Client: Alliance Technical Group, LLC - Newark **SDG No.:** Q3019

Project: NJ Waste Water PT **RunNo.:** LB137135

Analyte		Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID:	ICB1							
Cyanide		mg/L	0.0023	0.0025	J	0.00096	0.005	09/10/2025
Sample ID:	CCB1							
Cyanide		mg/L	0.002	0.0025	J	0.00096	0.005	09/10/2025
Sample ID:	CCB2							
Cyanide		mg/L	0.002	0.0025	J	0.00096	0.005	09/10/2025

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Initial and Continuing Calibration Blank Summary

Client: Alliance Technical Group, LLC - Newark **SDG No.:** Q3019

Project: NJ Waste Water PT **RunNo.:** LB137137

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB							
Residual Chlorine	mg/L	< 0.0500	0.0500	U	0.023	0.1	09/10/2025
Sample ID: CCB1							
Residual Chlorine	mg/L	< 0.0500	0.0500	U	0.023	0.1	09/10/2025
Sample ID: CCB2							
Residual Chlorine	mg/L	< 0.0500	0.0500	U	0.023	0.1	09/10/2025
Sample ID: CCB3							
Residual Chlorine	mg/L	< 0.0500	0.0500	U	0.023	0.1	09/10/2025

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Initial and Continuing Calibration Blank Summary

Client:	Alliance Technical Group, LLC - Newark	**SDG No.:**	Q3019
Project:	NJ Waste Water PT	**RunNo.:**	LB137152

Analyte		Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID:	**ICB1**							
Nitrite		mg/L	< 0.0060	0.0060	U	0.0029	0.012	09/11/2025
Sample ID:	**CCB1**							
Nitrite		mg/L	< 0.0060	0.0060	U	0.0029	0.012	09/11/2025
Sample ID:	**CCB2**							
Nitrite		mg/L	< 0.0060	0.0060	U	0.0029	0.012	09/11/2025
Sample ID:	**CCB3**							
Nitrite		mg/L	< 0.0060	0.0060	U	0.0029	0.012	09/11/2025

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Initial and Continuing Calibration Blank Summary

Client: Alliance Technical Group, LLC - Newark **SDG No.:** Q3019

Project: NJ Waste Water PT **RunNo.:** LB137157

Analyte		Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID:	ICB1							
Phenolics		mg/L	< 0.0250	0.0250	U	0.015	0.05	09/11/2025
Sample ID:	CCB1							
Phenolics		mg/L	< 0.0250	0.0250	U	0.015	0.05	09/11/2025
Sample ID:	CCB2							
Phenolics		mg/L	< 0.0250	0.0250	U	0.015	0.05	09/11/2025

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Initial and Continuing Calibration Blank Summary

Client: Alliance Technical Group, LLC - Newark **SDG No.:** Q3019

Project: NJ Waste Water PT **RunNo.:** LB137160

Analyte		Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID:	ICB1							
Phenolics		mg/L	< 0.0250	0.0250	U	0.015	0.05	09/11/2025
Sample ID:	CCB1							
Phenolics		mg/L	< 0.0250	0.0250	U	0.015	0.05	09/11/2025
Sample ID:	CCB2							
Phenolics		mg/L	< 0.0250	0.0250	U	0.015	0.05	09/11/2025

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Initial and Continuing Calibration Blank Summary

Client: Alliance Technical Group, LLC - Newark **SDG No.:** Q3019

Project: NJ Waste Water PT **RunNo.:** LB137171

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	09/09/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	09/09/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	09/09/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	09/09/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	09/09/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	09/09/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	09/09/2025
Sample ID: CCB1							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	09/11/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	09/11/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	09/11/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	09/11/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	09/11/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	09/11/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	09/11/2025
Sample ID: CCB2							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	09/11/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	09/11/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	09/11/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	09/11/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	09/11/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	09/11/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	09/11/2025

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Initial and Continuing Calibration Blank Summary

Client: Alliance Technical Group, LLC - Newark **SDG No.:** Q3019

Project: NJ Waste Water PT **RunNo.:** LB137172

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	09/09/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	09/09/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	09/09/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	09/09/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	09/09/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	09/09/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	09/09/2025
Sample ID: CCB1							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	09/11/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	09/11/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	09/11/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	09/11/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	09/11/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	09/11/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	09/11/2025
Sample ID: CCB2							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	09/11/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	09/11/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	09/11/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	09/11/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	09/11/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	09/11/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	09/11/2025

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Initial and Continuing Calibration Blank Summary

Client:	Alliance Technical Group, LLC - Newark	**SDG No.:**	Q3019
Project:	NJ Waste Water PT	**RunNo.:**	LB137211

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1							
Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	09/17/2025
Sample ID: CCB1							
Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	09/17/2025
Sample ID: CCB2							
Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	09/17/2025
Sample ID: CCB3							
Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	09/17/2025

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Initial and Continuing Calibration Blank Summary

Client:	Alliance Technical Group, LLC - Newark	**SDG No.:**	Q3019
Project:	NJ Waste Water PT	**RunNo.:**	LB137214

Analyte		Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID:	ICB1							
TKN		mg/L	< 0.2500	0.2500	U	0.11	0.5	09/17/2025
Sample ID:	CCB1							
TKN		mg/L	< 0.2500	0.2500	U	0.11	0.5	09/17/2025
Sample ID:	CCB2							
TKN		mg/L	< 0.2500	0.2500	U	0.11	0.5	09/17/2025

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Initial and Continuing Calibration Blank Summary

Client: Alliance Technical Group, LLC - Newark **SDG No.:** Q3019

Project: NJ Waste Water PT **RunNo.:** LB137233

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0025	0.01	09/18/2025
Sample ID: CCB1							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0025	0.01	09/18/2025
Sample ID: CCB2							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0025	0.01	09/18/2025

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Initial and Continuing Calibration Blank Summary

Client: Alliance Technical Group, LLC - Newark **SDG No.:** Q3019

Project: NJ Waste Water PT **RunNo.:** LB137249

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	09/19/2025
Sample ID: CCB1							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	09/19/2025
Sample ID: CCB2							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	09/19/2025

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Initial and Continuing Calibration Blank Summary

Client:	Alliance Technical Group, LLC - Newark	**SDG No.:**	Q3019
Project:	NJ Waste Water PT	**RunNo.:**	LB137264

Analyte		Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID:	**ICB**							
COD		mg/L	< 5.0000	5.0000	U	1.50	10	09/08/2025
Sample ID:	**CCB1**							
COD		mg/L	< 5.0000	5.0000	U	1.50	10	09/22/2025
Sample ID:	**CCB2**							
COD		mg/L	< 5.0000	5.0000	U	1.50	10	09/22/2025

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Initial and Continuing Calibration Blank Summary

Client: Alliance Technical Group, LLC - Newark **SDG No.:** Q3019

Project: NJ Waste Water PT **RunNo.:** LB137319

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB							
Orthophosphate as P	mg/L	0.008	0.0250	J	0.0038	0.05	09/25/2025
Sample ID: CCB1							
Orthophosphate as P	mg/L	0.009	0.0250	J	0.0038	0.05	09/25/2025
Sample ID: CCB2							
Orthophosphate as P	mg/L	0.009	0.0250	J	0.0038	0.05	09/25/2025

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Initial and Continuing Calibration Blank Summary

Client: Alliance Technical Group, LLC - Newark **SDG No.:** Q3019

Project: NJ Waste Water PT **RunNo.:** LB137320

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB							
Phosphorus, Total	mg/L	0.009	0.0250	J	0.0045	0.05	09/25/2025
Sample ID: CCB1							
Phosphorus, Total	mg/L	0.011	0.0250	J	0.0045	0.05	09/25/2025
Sample ID: CCB2							
Phosphorus, Total	mg/L	0.008	0.0250	J	0.0045	0.05	09/25/2025

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Initial and Continuing Calibration Blank Summary

Client:	Alliance Technical Group, LLC - Newark	**SDG No.:**	Q3019
Project:	NJ Waste Water PT	**RunNo.:**	LB137443

Analyte		Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID:	**ICB**							
Sulfate		mg/L	1.528	2.5000	J	0.43	5	10/07/2025
Sample ID:	**CCB1**							
Sulfate		mg/L	1.535	2.5000	J	0.43	5	10/07/2025
Sample ID:	**CCB2**							
Sulfate		mg/L	1.533	2.5000	J	0.43	5	10/07/2025

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Initial and Continuing Calibration Blank Summary

Client:	Alliance Technical Group, LLC - Newark	**SDG No.:**	Q3019
Project:	NJ Waste Water PT	**RunNo.:**	LB137444

Analyte		Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID:	**ICB**							
Sulfate		mg/L	1.488	2.5000	J	0.45	5	10/07/2025
Sample ID:	**CCB1**							
Sulfate		mg/L	1.493	2.5000	J	0.45	5	10/07/2025
Sample ID:	**CCB2**							
Sulfate		mg/L	1.496	2.5000	J	0.45	5	10/07/2025

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Initial and Continuing Calibration Blank Summary

Client:	Alliance Technical Group, LLC - Newark	**SDG No.:**	Q3019
Project:	NJ Waste Water PT	**RunNo.:**	LB137457

Analyte		Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID:	ICB1							
TOC		mg/L	< 0.5000	0.5000	U	0.35	1	10/06/2025
Sample ID:	CCB1							
TOC		mg/L	< 0.5000	0.5000	U	0.35	1	10/07/2025
Sample ID:	CCB2							
TOC		mg/L	< 0.5000	0.5000	U	0.35	1	10/07/2025

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Initial and Continuing Calibration Blank Summary

Client:	Alliance Technical Group, LLC - Newark	**SDG No.:**	Q3019
Project:	NJ Waste Water PT	**RunNo.:**	LB137458

Analyte		Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID:	**ICB1**							
TOC		mg/L	< 0.5000	0.5000	U	0.40	1	10/06/2025
Sample ID:	**CCB1**							
TOC		mg/L	< 0.5000	0.5000	U	0.40	1	10/07/2025
Sample ID:	**CCB2**							
TOC		mg/L	< 0.5000	0.5000	U	0.40	1	10/07/2025

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Initial and Continuing Calibration Blank Summary

Client:	Alliance Technical Group, LLC - Newark	**SDG No.:**	Q3019
Project:	NJ Waste Water PT	**RunNo.:**	LB137482

Analyte		Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID:	ICB							
Turbidity		NTU	< 0.5000	0.5000	U	0.15	1.0	10/09/2025
Sample ID:	CCB1							
Turbidity		NTU	< 0.5000	0.5000	U	0.15	1	10/09/2025
Sample ID:	CCB2							
Turbidity		NTU	< 0.5000	0.5000	U	0.15	1	10/09/2025

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Initial and Continuing Calibration Blank Summary

Client:	Alliance Technical Group, LLC - Newark	**SDG No.:**	Q3019
Project:	NJ Waste Water PT	**RunNo.:**	LB137483

Analyte		Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID:	ICB							
Turbidity		NTU	< 0.5000	0.5000	U	0.15	1.0	10/09/2025
Sample ID:	CCB1							
Turbidity		NTU	< 0.5000	0.5000	U	0.15	1	10/09/2025
Sample ID:	CCB2							
Turbidity		NTU	< 0.5000	0.5000	U	0.15	1	10/09/2025

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Preparation Blank Summary

Client: Alliance Technical Group, LLC - Newark **SDG No.:** Q3019

Project: NJ Waste Water PT

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: **LB137127BL**							
Oil and Grease	mg/L	< 2.5000	2.5000	U	0.29	5.0	09/10/2025
Sample ID: **LB137128BL**							
TPH	mg/L	< 2.5000	2.5000	U	0.29	5.0	09/10/2025
Sample ID: **LB137137BL**							
Residual Chlorine	mg/L	< 0.0500	0.0500	U	0.023	0.1	09/10/2025
Sample ID: **LB137152BLW**							
Nitrite	mg/L	< 0.0060	0.0060	U	0.0029	0.012	09/11/2025
Sample ID: **LB137171BLW**							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	09/11/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	09/11/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	09/11/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	09/11/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	09/11/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	09/11/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	09/11/2025
Sample ID: **LB137172BLW**							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	09/11/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	09/11/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	09/11/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	09/11/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	09/11/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	09/11/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	09/11/2025
Sample ID: **LB137175BL**							
Conductance	umho/cm	< 1.0000	1.0000	U	0.99	2.0	09/12/2025
Sample ID: **LB137176BL**							
Conductance	umho/cm	< 1.0000	1.0000	U	0.99	2.0	09/12/2025
Sample ID: **LB137177BL**							
Conductance	umho/cm	< 1.0000	1.0000	U	0.99	2.0	09/12/2025
Sample ID: **LB137195BL**							
Apparent Color	cu	< 2.5000	2.5000	U	5.0	5.0	09/15/2025
Sample ID: **LB137196BL**							
Chloride	mg/L	< 2.5000	2.5000	U	1.31	5.0	09/15/2025
Sample ID: **LB137208BL**							
CBOD5	mg/L	< 0.2000	0.2000	U	0.20	2.0	09/17/2025
Sample ID: **LB137215BL**							
BOD5	mg/L	< 0.2000	0.2000	U	0.20	2.0	09/17/2025
Sample ID: **LB137233BL**							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.003	0.01	09/18/2025
Sample ID: **LB137249BL**							
Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.003	0.01	09/19/2025
Sample ID: **LB137264BL**							

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Preparation Blank Summary

Client: Alliance Technical Group, LLC - Newark **SDG No.:** Q3019

Project: NJ Waste Water PT

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
COD	mg/L	< 5.0000	5.0000	U	1.5	10.0	09/22/2025
Sample ID: LB137319BL							
Orthophosphate as P	mg/L	0.005	0.0250	J	0.004	0.05	09/25/2025
Sample ID: LB137431BLW							
Alkalinity	mg/L	< 1.0000	1.0000	U	1	2	10/06/2025
Sample ID: LB137443BL							
Sulfate	mg/L	1.53	2.5000	J	0.43	5.0	10/07/2025
Sample ID: LB137444BL							
Sulfate	mg/L	1.49	2.5000	J	0.45	5.0	10/07/2025
Sample ID: LB137457BLW							
TOC	mg/L	< 0.5000	0.5000	U	0.35	1	10/07/2025
Sample ID: LB137458BLW							
TOC	mg/L	< 0.5000	0.5000	U	0.4	1	10/07/2025
Sample ID: LB137467BL							
TVS	mg/L	< 5.0000	5.0000	U	1	10	10/08/2025
Sample ID: LB137468BL							
TVS	mg/L	< 5.0000	5.0000	U	1	10	10/08/2025
Sample ID: LB137482BL							
Turbidity	NTU	< 0.5000	0.5000	U	0.15	1.0	10/09/2025
Sample ID: LB137483BL							
Turbidity	NTU	< 0.5000	0.5000	U	0.15	1.0	10/09/2025
Sample ID: LB137553BL							
TSS	mg/L	< 2.0000	2.0000	U	1	4	10/16/2025
Sample ID: LB137554BL							
TDS	mg/L	1	5.0000	J	1.0	10	10/15/2025
Sample ID: LB137555BL							
TS	mg/L	< 2.5000	2.5000	U	1	5	10/15/2025
Sample ID: PB169542BL							
Sulfide	mg/L	< 0.5000	0.5000	U	0.43	1.0	09/10/2025
Sample ID: PB169543BL							
Sulfide	mg/L	< 0.5000	0.5000	U	0.19	1.0	09/10/2025
Sample ID: PB169624BL							
Phenolics	mg/L	< 0.0250	0.0250	U	0.015	0.05	09/11/2025
Sample ID: PB169625BL							
Phenolics	mg/L	< 0.0250	0.0250	U	0.015	0.05	09/11/2025
Sample ID: PB169630BL							
Cyanide	mg/L	0.002	0.0025	J	0.0012	0.005	09/10/2025
Sample ID: PB169639BL							
Cyanide	mg/L	0.0018	0.0025	J	0.00096	0.005	09/10/2025
Sample ID: PB169642BL							

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Preparation Blank Summary

Client: Alliance Technical Group, LLC - Newark **SDG No.:** Q3019

Project: NJ Waste Water PT

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Cyanide	mg/L	0.002	0.0025	J	0.00096	0.005	09/10/2025
Sample ID: PB169715BL							
TKN	mg/L	< 0.2500	0.2500	U	0.11	0.5	09/17/2025
Sample ID: PB169716BL							
Ammonia as N	mg/L	< 0.0500	0.0500	U	0.03	0.1	09/17/2025
Sample ID: PB169837BL							
Phosphorus, Total	mg/L	0.008	0.0250	J	0.005	0.05	09/25/2025

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Matrix Spike Summary

Client: Alliance Technical Group, LLC - Newark
SDG No.: Q3019
Project: NJ Waste Water PT
Sample ID: Q3025-01
Client ID: DSN002MS
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
Sulfide	mg/L	75-125	24.3		0.43	U	25.0	1	97		09/10/2025

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Matrix Spike Summary

Client: Alliance Technical Group, LLC - Newark
SDG No.: Q3019
Project: NJ Waste Water PT
Sample ID: Q3025-01
Client ID: DSN002MSD
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
Sulfide	mg/L	75-125	24.2		0.43	U	25.0	1	97		09/10/2025

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Matrix Spike Summary

Client: Alliance Technical Group, LLC - Newark
SDG No.: Q3019
Project: NJ Waste Water PT
Sample ID: Q3057-01
Client ID: DRAIN-WATER-TANK-1MS
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
Oil and Grease	mg/L	78-114	49.1		29.0		20.0	1	101		09/10/2025

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Matrix Spike Summary

Client: Alliance Technical Group, LLC - Newark
SDG No.: Q3019
Project: NJ Waste Water PT
Sample ID: Q3057-01
Client ID: DRAIN-WATER-TANK-1MSD
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
Oil and Grease	mg/L	78-114	49.2		29.0		20.0	1	101		09/10/2025

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Matrix Spike Summary

Client: Alliance Technical Group, LLC - Newark
SDG No.: Q3019
Project: NJ Waste Water PT
Sample ID: Q3061-01
Client ID: B2-W16-RM4080-SINKMS
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
Residual Chlorine	mg/L	71-148	0.44		0.093	J	0.4	1	86		09/10/2025

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Matrix Spike Summary

Client: Alliance Technical Group, LLC - Newark
SDG No.: Q3019
Project: NJ Waste Water PT
Sample ID: Q3061-01
Client ID: B2-W16-RM4080-SINKMSD
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
Residual Chlorine	mg/L	71-148	0.43		0.093	J	0.4	1	84		09/10/2025

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Matrix Spike Summary

Client: Alliance Technical Group, LLC - Newark
SDG No.: Q3019
Project: NJ Waste Water PT
Sample ID: Q3135-01
Client ID: MH-121MS
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
Hexavalent Chromium	mg/L	90-111	0.98		0.0030	U	1.0	2	98		09/18/2025

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Matrix Spike Summary

Client: Alliance Technical Group, LLC - Newark
SDG No.: Q3019
Project: NJ Waste Water PT
Sample ID: Q3135-01
Client ID: MH-121MSD
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
Hexavalent Chromium	mg/L	90-111	0.99		0.0030	U	1.0	2	99		09/18/2025

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Matrix Spike Summary

Client: Alliance Technical Group, LLC - Newark
SDG No.: Q3019
Project: NJ Waste Water PT
Sample ID: Q3151-02
Client ID: 1402MS
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
COD	mg/L	75-125	48.2		2.64	J	50.0	1	91		09/22/2025
Hexavalent Chromium	mg/L	90-111	1.00		0.0050	J	1.0	2	99		09/19/2025

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Matrix Spike Summary

Client: Alliance Technical Group, LLC - Newark
SDG No.: Q3019
Project: NJ Waste Water PT
Sample ID: Q3151-02
Client ID: 1402MSD
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
COD	mg/L	75-125	49.2		2.64	J	50.0	1	93		09/22/2025
Hexavalent Chromium	mg/L	90-111	1.00		0.0050	J	1.0	2	99		09/19/2025

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Matrix Spike Summary

Client: Alliance Technical Group, LLC - Newark
SDG No.: Q3019
Project: NJ Waste Water PT
Sample ID: Q3184-01
Client ID: EFFLUENTMS
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
Phosphorus, Total	mg/L	90-110	0.57		0.12		0.5	1	90		09/25/2025
Orthophosphate as P	mg/L	90-110	0.60		0.069		0.5	1	105		09/25/2025

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Matrix Spike Summary

Client: Alliance Technical Group, LLC - Newark
SDG No.: Q3019
Project: NJ Waste Water PT
Sample ID: Q3184-01
Client ID: EFFLUENTMSD
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
Phosphorus, Total	mg/L	90-110	0.56		0.12		0.5	1	88	*	09/25/2025
Orthophosphate as P	mg/L	90-110	0.59		0.069		0.5	1	105		09/25/2025

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Duplicate Sample Summary

Client: Alliance Technical Group, LLC - Newark
SDG No.: Q3019
Project: NJ Waste Water PT
Sample ID: LB137128BS
Client ID: LB137128BSD
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
TPH	mg/L	+/-18	16.8		17.0		1	1.18		09/10/2025

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Duplicate Sample Summary

Client: Alliance Technical Group, LLC - Newark
SDG No.: Q3019
Project: NJ Waste Water PT
Sample ID: Q3019-07
Client ID: WP0925-PT-COND-WDUP
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
Conductance	umho/cm	+/-20	794		797		1	0.38		09/12/2025

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Duplicate Sample Summary

Client: Alliance Technical Group, LLC - Newark
SDG No.: Q3019
Project: NJ Waste Water PT
Sample ID: Q3019-08
Client ID: WP0925-PT-COND-WPDUP
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
Conductance	umho/cm	+/-20	794		797		1	0.38		09/12/2025

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Duplicate Sample Summary

Client: Alliance Technical Group, LLC - Newark
SDG No.: Q3019
Project: NJ Waste Water PT
Sample ID: Q3019-09
Client ID: WP0925-PT-COND-WPDUP
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
Conductance	umho/cm	+/-20	794		797		1	0.38		09/12/2025

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Duplicate Sample Summary

Client: Alliance Technical Group, LLC - Newark
SDG No.: Q3019
Project: NJ Waste Water PT
Sample ID: Q3019-20
Client ID: WP0925-PT-PH-WPDUP
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
pH	pH	+/-20	5.82		5.81		1	0.17		09/18/2025

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Duplicate Sample Summary

Client: Alliance Technical Group, LLC - Newark
SDG No.: Q3019
Project: NJ Waste Water PT
Sample ID: Q3019-21
Client ID: WP0925-PT-PH-WPDUP
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
pH	pH	+/-20	5.82		5.81		1	0.17		09/18/2025

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Duplicate Sample Summary

Client: Alliance Technical Group, LLC - Newark
SDG No.: Q3019
Project: NJ Waste Water PT
Sample ID: Q3019-27
Client ID: WP0925-PT-COL-WPDUP
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
Apparent Color	cu	+/-20	50.0		50.0		1	0		09/15/2025

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Duplicate Sample Summary

Client: Alliance Technical Group, LLC - Newark
SDG No.: Q3019
Project: NJ Waste Water PT
Sample ID: Q3025-01
Client ID: DSN002DUP
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
Sulfide	mg/L	+/-20	0.43	U	0.43	U	1	0		09/10/2025

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Duplicate Sample Summary

Client: Alliance Technical Group, LLC - Newark
SDG No.: Q3019
Project: NJ Waste Water PT
Sample ID: Q3025-01
Client ID: DSN002MSD
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
Sulfide	mg/L	+/-20	24.3		24.2		1	0.41		09/10/2025

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Duplicate Sample Summary

Client: Alliance Technical Group, LLC - Newark
SDG No.: Q3019
Project: NJ Waste Water PT
Sample ID: Q3057-01
Client ID: DRAIN-WATER-TANK-1MSD
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
Oil and Grease	mg/L	+/-18	49.1		49.2		1	0.2		09/10/2025

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Duplicate Sample Summary

Client: Alliance Technical Group, LLC - Newark
SDG No.: Q3019
Project: NJ Waste Water PT
Sample ID: Q3061-01
Client ID: B2-W16-RM4080-SINKDUP
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
Residual Chlorine	mg/L	+/-20	0.093	J	0.093	J	1	0		09/10/2025

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Duplicate Sample Summary

Client: Alliance Technical Group, LLC - Newark
SDG No.: Q3019
Project: NJ Waste Water PT
Sample ID: Q3061-01
Client ID: B2-W16-RM4080-SINKMSD
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
Residual Chlorine	mg/L	+/-20	0.44		0.43		1	2.3		09/10/2025

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Duplicate Sample Summary

Client: Alliance Technical Group, LLC - Newark
SDG No.: Q3019
Project: NJ Waste Water PT
Sample ID: Q3102-01
Client ID: UAS-WAYNEDUP
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
CBOD5	mg/L	+/-20	116		121		1	3.8		09/17/2025

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Duplicate Sample Summary

Client: Alliance Technical Group, LLC - Newark
SDG No.: Q3019
Project: NJ Waste Water PT
Sample ID: Q3103-01
Client ID: TW-WTS-14DUP
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	18.6		19.6		1	4.87		09/17/2025

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Duplicate Sample Summary

Client: Alliance Technical Group, LLC - Newark
SDG No.: Q3019
Project: NJ Waste Water PT
Sample ID: Q3135-01
Client ID: MH-121DUP
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
Hexavalent Chromium	mg/L	+/-20	0.0030	U	0.0030	U	1	0		09/18/2025

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Duplicate Sample Summary

Client: Alliance Technical Group, LLC - Newark
SDG No.: Q3019
Project: NJ Waste Water PT
Sample ID: Q3135-01
Client ID: MH-121MSD
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
Hexavalent Chromium	mg/L	+/-20	0.98		0.99		2	0.41		09/18/2025

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Duplicate Sample Summary

Client: Alliance Technical Group, LLC - Newark
SDG No.: Q3019
Project: NJ Waste Water PT
Sample ID: Q3151-02
Client ID: 1402DUP
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
Hexavalent Chromium	mg/L	+/-20	0.0050	J	0.0050	J	1	0		09/19/2025
COD	mg/L	+/-20	2.64	J	2.64	J	1	0		09/22/2025

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Duplicate Sample Summary

Client: Alliance Technical Group, LLC - Newark
SDG No.: Q3019
Project: NJ Waste Water PT
Sample ID: Q3151-02
Client ID: 1402MSD
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
Hexavalent Chromium	mg/L	+/-20	1.00		1.00		2	0.2		09/19/2025
COD	mg/L	+/-20	48.2		49.2		1	2.05		09/22/2025

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Duplicate Sample Summary

Client: Alliance Technical Group, LLC - Newark
SDG No.: Q3019
Project: NJ Waste Water PT
Sample ID: Q3184-01
Client ID: EFFLUENTDUP
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
Orthophosphate as P	mg/L	+/-20	0.069		0.070		1	1.44		09/25/2025
Phosphorus, Total	mg/L	+/-20	0.12		0.12		1	1.67		09/25/2025

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Duplicate Sample Summary

Client: Alliance Technical Group, LLC - Newark
SDG No.: Q3019
Project: NJ Waste Water PT
Sample ID: Q3184-01
Client ID: EFFLUENTMSD
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
Orthophosphate as P	mg/L	+/-20	0.60		0.59		1	0.51		09/25/2025
Phosphorus, Total	mg/L	+/-20	0.57		0.56		1	1.42		09/25/2025

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Duplicate Sample Summary

Client: Alliance Technical Group, LLC - Newark
SDG No.: Q3019
Project: NJ Waste Water PT
Sample ID: Q3202-01
Client ID: SY-6DUP
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
Alkalinity	mg/L	+/-20	97.2		96.1		1	1		10/06/2025

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Duplicate Sample Summary

Client: Alliance Technical Group, LLC - Newark
SDG No.: Q3019
Project: NJ Waste Water PT
Sample ID: Q3344-01
Client ID: 1 EFFLUENT-COMPOSITEDUP
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
TSS	mg/L	+/-5	56.9		56.0		1	1.59		10/16/2025
TDS	mg/L	+/-5	4200		4240		1	0.78		10/15/2025

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Laboratory Control Sample Summary

Client:	Alliance Technical Group, LLC - Newark	**SDG No.:**	Q3019
Project:	NJ Waste Water PT	**Run No.:**	LB137127

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID LB137127BS								
Oil and Grease	mg/L	20.0	16.9		84	1	78-114	09/10/2025

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Laboratory Control Sample Summary

Client:	Alliance Technical Group, LLC - Newark	**SDG No.:**	Q3019
Project:	NJ Waste Water PT	**Run No.:**	LB137128

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID LB137128BS								
TPH	mg/L	20.0	16.8		84	1	78-114	09/10/2025

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Laboratory Control Sample Summary

Client:	Alliance Technical Group, LLC - Newark	**SDG No.:**	Q3019
Project:	NJ Waste Water PT	**Run No.:**	LB137128

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID LB137128BSD								
TPH	mg/L	20.0	17.0		85	1	78-114	09/10/2025

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Laboratory Control Sample Summary

Client:	Alliance Technical Group, LLC - Newark	**SDG No.:**	Q3019
Project:	NJ Waste Water PT	**Run No.:**	LB137137

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID LB137137BS								
Residual Chlorine	mg/L	0.4	0.42		105	1	90-110	09/10/2025

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Laboratory Control Sample Summary

Client:	Alliance Technical Group, LLC - Newark	**SDG No.:**	Q3019
Project:	NJ Waste Water PT	**Run No.:**	LB137152

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID LB137152BSW								
Nitrite	mg/L	0.3	0.30		100	1	90-110	09/11/2025

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Laboratory Control Sample Summary

Client:	Alliance Technical Group, LLC - Newark	**SDG No.:**	Q3019
Project:	NJ Waste Water PT	**Run No.:**	LB137171

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID LB137171BSW								
Bromide	mg/L	10	10.0		100	1	90-110	09/11/2025
Chloride	mg/L	3	3.00		100	1	90-110	09/11/2025
Fluoride	mg/L	2	2.00		100	1	90-110	09/11/2025
Nitrite	mg/L	3	3.00		100	1	90-110	09/11/2025
Nitrate	mg/L	2.5	2.40		96	1	90-110	09/11/2025
Sulfate	mg/L	15	14.8		99	1	90-110	09/11/2025
Orthophosphate as P	mg/L	5	5.00		100	1	90-110	09/11/2025

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Laboratory Control Sample Summary

Client:	Alliance Technical Group, LLC - Newark	**SDG No.:**	Q3019
Project:	NJ Waste Water PT	**Run No.:**	LB137172

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID LB137172BSW								
Bromide	mg/L	10	10.0		100	1	90-110	09/11/2025
Chloride	mg/L	3	3.00		100	1	90-110	09/11/2025
Fluoride	mg/L	2	2.00		100	1	90-110	09/11/2025
Nitrite	mg/L	3	3.00		100	1	90-110	09/11/2025
Nitrate	mg/L	2.5	2.40		96	1	90-110	09/11/2025
Sulfate	mg/L	15	14.8		99	1	90-110	09/11/2025
Orthophosphate as P	mg/L	5	5.00		100	1	90-110	09/11/2025

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Laboratory Control Sample Summary

Client:	Alliance Technical Group, LLC - Newark	**SDG No.:**	Q3019
Project:	NJ Waste Water PT	**Run No.:**	LB137175

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID LB137175BS								
Conductance	umho/cm	1413	1410		100	1	99-101	09/12/2025

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Laboratory Control Sample Summary

Client:	Alliance Technical Group, LLC - Newark	**SDG No.:**	Q3019
Project:	NJ Waste Water PT	**Run No.:**	LB137176

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID LB137176BS								
Conductance	umho/cm	1413	1410		100	1	99-101	09/12/2025

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Laboratory Control Sample Summary

Client:	Alliance Technical Group, LLC - Newark	**SDG No.:**	Q3019
Project:	NJ Waste Water PT	**Run No.:**	LB137177

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID LB137177BS								
Conductance	umho/cm	1413	1410		100	1	99-101	09/12/2025

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Laboratory Control Sample Summary

Client:	Alliance Technical Group, LLC - Newark	**SDG No.:**	Q3019
Project:	NJ Waste Water PT	**Run No.:**	LB137196

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID LB137196BS								
Chloride	mg/L	500	485		97	1	90-110	09/15/2025

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Laboratory Control Sample Summary

Client:	Alliance Technical Group, LLC - Newark	**SDG No.:**	Q3019
Project:	NJ Waste Water PT	**Run No.:**	LB137208

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID LB137208BS								
CBOD5	mg/L	198	175		88	1	84.6-115.4	09/17/2025

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Laboratory Control Sample Summary

Client:	Alliance Technical Group, LLC - Newark	**SDG No.:**	Q3019
Project:	NJ Waste Water PT	**Run No.:**	LB137215

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID LB137215BS								
BOD5	mg/L	198	173		87	1	84.6-115.4	09/17/2025

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Laboratory Control Sample Summary

Client:	Alliance Technical Group, LLC - Newark	**SDG No.:**	Q3019
Project:	NJ Waste Water PT	**Run No.:**	LB137233

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID LB137233BS								
Hexavalent Chromium	mg/L	0.5	0.54		107	1	90-111	09/18/2025

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Laboratory Control Sample Summary

Client:	Alliance Technical Group, LLC - Newark	**SDG No.:**	Q3019
Project:	NJ Waste Water PT	**Run No.:**	LB137249

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID LB137249BS								
Hexavalent Chromium	mg/L	0.5	0.52		105	1	90-111	09/19/2025

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Laboratory Control Sample Summary

Client:	Alliance Technical Group, LLC - Newark	**SDG No.:**	Q3019
Project:	NJ Waste Water PT	**Run No.:**	LB137264

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID LB137264BS								
COD	mg/L	50	52.2		104	1	90-110	09/22/2025

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Laboratory Control Sample Summary

Client:	Alliance Technical Group, LLC - Newark	**SDG No.:**	Q3019
Project:	NJ Waste Water PT	**Run No.:**	LB137319

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID LB137319BS								
Orthophosphate as P	mg/L	0.5	0.49		98	1	90-110	09/25/2025

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Laboratory Control Sample Summary

Client:	Alliance Technical Group, LLC - Newark	**SDG No.:**	Q3019
Project:	NJ Waste Water PT	**Run No.:**	LB137431

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID LB137431BSW								
Alkalinity	mg/L	50	46.8		94	1	80-120	10/06/2025

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Laboratory Control Sample Summary

Client:	Alliance Technical Group, LLC - Newark	**SDG No.:**	Q3019
Project:	NJ Waste Water PT	**Run No.:**	LB137443

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID LB137443BS								
Sulfate	mg/L	20	19.3		96	1	90-110	10/07/2025

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Laboratory Control Sample Summary

Client:	Alliance Technical Group, LLC - Newark	**SDG No.:**	Q3019
Project:	NJ Waste Water PT	**Run No.:**	LB137444

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID LB137444BS								
Sulfate	mg/L	20	19.2		96	1	90-110	10/07/2025

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Laboratory Control Sample Summary

Client:	Alliance Technical Group, LLC - Newark	**SDG No.:**	Q3019
Project:	NJ Waste Water PT	**Run No.:**	LB137457

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID LB137457BSW								
TOC	mg/L	10	10.1		101	1	90-110	10/07/2025

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Laboratory Control Sample Summary

Client:	Alliance Technical Group, LLC - Newark	**SDG No.:**	Q3019
Project:	NJ Waste Water PT	**Run No.:**	LB137458

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID LB137458BSW								
TOC	mg/L	10	10.1		101	1	90-110	10/07/2025

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Laboratory Control Sample Summary

Client:	Alliance Technical Group, LLC - Newark	**SDG No.:**	Q3019
Project:	NJ Waste Water PT	**Run No.:**	LB137553

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID LB137553BS								
TSS	mg/L	550	561		102	1	90-110	10/16/2025

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Laboratory Control Sample Summary

Client:	Alliance Technical Group, LLC - Newark	**SDG No.:**	Q3019
Project:	NJ Waste Water PT	**Run No.:**	LB137554

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID LB137554BS								
TDS	mg/L	100	94.0		94	1	90-110	10/15/2025

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Laboratory Control Sample Summary

Client:	Alliance Technical Group, LLC - Newark	**SDG No.:**	Q3019
Project:	NJ Waste Water PT	**Run No.:**	LB137555

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID LB137555BS								
TS	mg/L	500	483		97	1	90-110	10/15/2025

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Laboratory Control Sample Summary

Client:	Alliance Technical Group, LLC - Newark	**SDG No.:**	Q3019
Project:	NJ Waste Water PT	**Run No.:**	LB137136

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID PB169542BS								
Sulfide	mg/L	25	22.4		90	1	80-120	09/10/2025

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Laboratory Control Sample Summary

Client:	Alliance Technical Group, LLC - Newark	**SDG No.:**	Q3019
Project:	NJ Waste Water PT	**Run No.:**	LB137146

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID PB169543BS								
Sulfide	mg/L	25	21.6		86	1	80-120	09/10/2025

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Laboratory Control Sample Summary

Client:	Alliance Technical Group, LLC - Newark	**SDG No.:**	Q3019
Project:	NJ Waste Water PT	**Run No.:**	LB137160

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID PB169624BS								
Phenolics	mg/L	1	0.99		99	1	80-120	09/11/2025

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Laboratory Control Sample Summary

Client:	Alliance Technical Group, LLC - Newark	**SDG No.:**	Q3019
Project:	NJ Waste Water PT	**Run No.:**	LB137157

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID **PB169625BS**								
Phenolics	**mg/L**	**1**	**1.10**		**110**	**1**	**80-120**	**09/11/2025**

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Laboratory Control Sample Summary

Client:	Alliance Technical Group, LLC - Newark	**SDG No.:**	Q3019
Project:	NJ Waste Water PT	**Run No.:**	LB137134

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID PB169630BS								
Cyanide	mg/L	0.1	0.10		100	1	85-115	09/10/2025

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Laboratory Control Sample Summary

Client:	Alliance Technical Group, LLC - Newark	**SDG No.:**	Q3019
Project:	NJ Waste Water PT	**Run No.:**	LB137132

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID **PB169639BS**								
Cyanide	mg/L	0.1	0.099		99	1	85-115	09/10/2025

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Laboratory Control Sample Summary

Client:	Alliance Technical Group, LLC - Newark	**SDG No.:**	Q3019
Project:	NJ Waste Water PT	**Run No.:**	LB137135

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID **PB169642BS**								
Cyanide	mg/L	0.1	0.098		98	1	85-115	09/10/2025

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Laboratory Control Sample Summary

Client:	Alliance Technical Group, LLC - Newark	**SDG No.:**	Q3019
Project:	NJ Waste Water PT	**Run No.:**	LB137214

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID PB169715BS								
TKN	mg/L	5	5.10		102	1	90-110	09/17/2025

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Laboratory Control Sample Summary

Client:	Alliance Technical Group, LLC - Newark	**SDG No.:**	Q3019
Project:	NJ Waste Water PT	**Run No.:**	LB137211

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID PB169716BS								
Ammonia as N	mg/L	1	1.00		100	1	90-110	09/17/2025

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

Laboratory Control Sample Summary

Client:	Alliance Technical Group, LLC - Newark	**SDG No.:**	Q3019
Project:	NJ Waste Water PT	**Run No.:**	LB137320

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID PB169837BS								
Phosphorus, Total	**mg/L**	**0.50**	**0.51**		**102**	**1**	**90-110**	**09/25/2025**

RAW DATA

Extraction and Analytical Summary Report

Analysis Method: 1664A
Test: Oil and Grease
Run Number: LB137127
Analysis Date: 09/10/2025
BalanceID: WC SC-5
OvenID: EXT OVEN-3

ANALYST: JIGNESH
REVIEWED BY: Iwona
Extraction Date: 09/10/2025
Extration IN Time: 10:00
Extration OUT Time: 10:30
Thermometer ID: EXT OVEN#3

Dish #	Lab ID	Client ID	Matrix	pH	Sample Vol (ml)	Final Volume (ml)	Empty Dish Weight (g)	Final Empty Dish Weight(g)	Silica Gel Weight(g)	Weight After Drying(g)	Final Weight After Drying(g)	Change Weight (g)	Result in ppm
1	LB137127BL	LB137127BL	WATER	1.3	1000	100	3.1471	3.1471	0	3.1472	3.1472	0.0001	0.1
2	LB137127BS	LB137127BS	WATER	1.3	1000	100	2.8741	2.8741	0	2.8910	2.8910	0.0169	16.9
3	Q3019-17	WP0925-PT-ORG1L-WP	WATER	1.3	880	100	3.0565	3.0565	0	3.1147	3.1147	0.0582	66.14
4	Q3041-01	001 Willets Pt Blvd (S	WATER	1.6	1000	100	3.0446	3.0446	0	3.0450	3.0450	0.0004	0.4
5	Q3041-04	002 35th Ave(sep)	WATER	1.6	1000	100	3.0277	3.0277	0	3.0280	3.0280	0.0003	0.3
6	Q3057-01	DRAIN-WATER-TANK-1	WATER	1.6	1000	100	3.0671	3.0671	0	3.0961	3.0961	0.0290	29
7	Q3057-02	Q3057-01MS	WATER	1.6	1000	100	3.1984	3.1984	0	3.2475	3.2475	0.0491	49.1
8	Q3057-03	Q3057-01MSD	WATER	1.6	1000	100	2.6503	2.6503	0	2.6995	2.6995	0.0492	49.2

QC Batch# LB137127 **Test:** Oil and Grease **Analysis Date:** 09/10/2025

Chemicals Used:

Chemical Name	Chemical Lot #
HEXANE	W3204
pH Paper 0-14	M6069
Sodium Sulfate	EP2636
1:1 HCL	WP112782
Silica Gel	NA
Sand	NA

Standards Used:

Standard Name	Amount Used	Standard Lot #
LCSW	2.5 ML	WP112783
LCSWD	NA	N/A
MS/MSD	2.5 ML	WP112784

BALANCE CALIBRATION / OVEN Dessicator Data

Analytical Balance ID # : WC SC-6

Before Analysis

0.0020 gram Balance: 0.0018 **(0.0018-0.0022)**
1.0000 gram Balance: 1.0004 **(0.9950-1.0050)**
Bal Check Time: 10:10

In OVEN TEMP1 : 70 °C **Dessicator Time In1 :** 12:31
In Time1: 11:25
Out OVEN TEMP1: 70 °C **Dessicator Time Out1:** 13:00
Out Time1: 12:30

After Analysis

0.0020 gram Balance: 0.0019 **(0.0018-0.0022)**
1.0000 gram Balance: 1.0005 **(0.9950-1.0050)**
Bal Check Time: 14:36

In OVEN TEMP2 : 71 °C **Dessicator Time In2 :** 14:01
In Time2: 13:30
Out OVEN TEMP2: 71 °C **Dessicator Time Out2:** 14:35
Out Time2: 14:00

LB 137127

WORKLIST(Hardcopy Internal Chain)

WorkList Name : OIL & GREASE Q3057 **WorkList ID :** 191777 **Department :** Wet-Chemistry **Date :** 09-10-2025 09:38:50

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3019-17	WP0925-PT-ORG1L-WP	Water	Oil and Grease	Conc H2SO4 to pH < 2	ALLI03	QA Of	09/02/2025	1664A
Q3041-01	001 Willets Pt Blvd (Sep)	Water	Oil and Grease	Conc H2SO4 to pH < 2	TULL01	J11	09/04/2025	1664A
Q3041-04	002 35th Ave(sep)	Water	Oil and Grease	Conc H2SO4 to pH < 2	TULL01	J11	09/04/2025	1664A
Q3057-01 E	DRAIN-WATER-TANK-1	Water	Oil and Grease	Conc H2SO4 to pH < 2	MAJO01	J12	09/09/2025	1664A
Q3057-02	Q3057-01MS	Water	Oil and Grease	Conc H2SO4 to pH < 2	MAJO01	J12	09/09/2025	1664A
Q3057-03	Q3057-01MSD	Water	Oil and Grease	Conc H2SO4 to pH < 2	MAJO01	J12	09/09/2025	1664A

Date/Time 09-10-25 09:45

Raw Sample Received by: SB (WC)

Raw Sample Relinquished by: CR SM

Date/Time 09-10-25 16:00

Raw Sample Received by: CR SM

Raw Sample Relinquished by: SB (WC)

Reviewed By:Iwona
On:9/10/2025 12:06:48 PM
Inst Id :WC SC-3
LB :LB137127

Extraction and Analytical Summary Report

Analysis Method:	1664A	**ANALYST:**	JIGNESH
Test:	TPH	**REVIEWED BY:**	Iwona
Run Number:	LB137128	**Extraction Date:**	09/10/2025
Analysis Date:	09/10/2025	**Extration IN Time:**	11:00
BalanceID:	WC SC-5	**Extration OUT Time:**	12:00
OvenID:	EXT OVEN-3	**Thermometer ID:**	EXT OVEN#3

Dish #	Lab ID	Client ID	Matrix	pH	Sample Vol (ml)	Final Volume (ml)	Empty Dish Weight (g)	Final Empty Dish Weight(g)	Silica Gel Weight(g)	Weight After Drying(g)	Final Weight After Drying(g)	Change Weight (g)	Result in ppm
1	LB137128BL	LB137128BL	WATER	1.3	1000	100	2.4153	2.4153	3.02	2.4154	2.4154	0.0001	0.1
2	LB137128BS	LB137128BS	WATER	1.3	1000	100	3.1586	3.1586	3.01	3.1754	3.1754	0.0168	16.8
3	LB137128BSD	LB137128BSD	WATER	1.3	1000	100	2.7011	2.7011	3.03	2.7181	2.7181	0.0170	17
4	Q3019-18	WP0925-PT-TPH1L-WP	WATER	1.3	880	100	3.0596	3.0596	3.04	3.1554	3.1554	0.0958	108.86
5	Q3057-01	DRAIN-WATER-TANK-1	WATER	1.6	1000	100	3.0388	3.0388	3.03	3.0406	3.0406	0.0018	1.8

QC Batch# LB137128 Test: TPH Analysis Date: 09/10/2025

Chemicals Used:

Chemical Name	Chemical Lot #
HEXANE	W3204
pH Paper 0-14	M6069
Sodium Sulfate	EP2636
1:1 HCL	WP112782
Silica Gel	W3079
Sand	W3186

Standards Used:

Standard Name	Amount Used	Standard Lot #
LCSW	5.00 ML	WP112783
LCSWD	5.00 ML	WP112784
MS/MSD	N/A	N/A

BALANCE CALIBRATION / OVEN Dessicator Data

Analytical Balance ID # : WC SC-6

Before Analysis

0.0020 gram Balance: 0.0018 (0.0018-0.0022)
1.0000 gram Balance: 1.0004 (0.9950-1.0050)
Bal Check Time: 11:19

In OVEN TEMP1 : 70 °C
In Time1: 12:40
Out OVEN TEMP1: 70 °C
Out Time1: 13:30

Dessicator Time In1 : 13:31
Dessicator Time Out1: 14:00

After Analysis

0.0020 gram Balance: 0.0019 (0.0018-0.0022)
1.0000 gram Balance: 1.0003 (0.9950-1.0050)
Bal Check Time: 15:36

In OVEN TEMP2 : 71 °C
In Time2: 14:30
Out OVEN TEMP2: 71 °C
Out Time2: 15:00

Dessicator Time In2 : 15:01
Dessicator Time Out2: 15:35

WORKLIST(Hardcopy Internal Chain)

LB137128

WorkList Name : tph q30057 **WorkList ID :** 191778 **Department :** Wet-Chemistry **Date :** 09-10-2025 09:39:42

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3019-18	WP0925-PT-TPH1L-WP	Water	TPH	Conc H2SO4 to pH < 2	ALLI03	QA Of	09/02/2025	1664A
Q3057-01 F	DRAIN-WATER-TANK-1	Water	TPH	Conc H2SO4 to pH < 2	MAJO01	J12	09/09/2025	1664A

Date/Time 09.10.25 09:45

Raw Sample Received by: [illegible]

Raw Sample Relinquished by: [illegible] SM

Date/Time 09.10.25 16:00

Raw Sample Received by: [illegible] SM

Raw Sample Relinquished by: [illegible]

Reviewed By:lwona
On:9/10/2025 12:07:04 PM
Inst Id :WC SC-3
LB :LB137128

Reviewed By:Iwona
On:9/11/2025 12:56:33 PM
Inst Id :Konelab 20
LB :LB137132

LB13

Test results | Aquakem 7.2AQ1 | Page: 1

Alliance Technical Group
284 Sheffield Street, Mountainside, NJ 07092

9/10/2025 13:36 | Reviewed by : RH | Instrument ID : Konelab

Test: Total CN

Sample Id	Result	Dil.	1 +	Response	Errors
ICV1	96.463	0.0		0.083	
ICB1	1.614	0.0		0.001	
CCV1	246.132	0.0		0.213	
CCB1	1.724	0.0		0.001	
PB169627BS	98.042	0.0		0.085	
LOWPB169627	9.772	0.0		0.008	
HIGHPB169627	500.854	0.0		0.434	
Q3032-01	2.928	0.0		0.002	
Q3032-04	3.395	0.0		0.002	
Q3032-04DUP	3.139	0.0		0.002	
Q3032-04MS	41.829	0.0		0.036	
Q3032-04MSD	42.230	0.0		0.036	
CCV2	246.169	0.0		0.213	
CCB2	1.515	0.0		0.001	
PB169639BL	1.831	0.0		0.001	
PB169639BS	99.005	0.0		0.085	
Q3019-23	756.189	0.0		0.656	Test limit high
CCV3	249.425	0.0		0.216	
CCB3	1.969	0.0		0.001	
Q3019-23DLX5	152.581	0.0		0.132	
PB169627BL	2.210	0.0		0.001	
CCV4	257.241	0.0		0.223	
CCB4	1.891	0.0		0.001	

97% (90–110)
100% (90–110) 09/10/2025 RH

N	23
Mean	122.528
SD	188.6100
CV%	153.93

Reviewed By:Iwona
On:9/11/2025 12:56:33 PM
Inst Id :Konelab 20
LB :LB137132

Aquakem v. 7.2AQ1
Results from time period:
Wed Sep 10 11:25:08 2025
Wed Sep 10 13:30:00 2025

Sample Id	Sam/Ctr/cA	Test short r	Test type	Result	Result unit	Result date and time	Stat
0.0PPBCN	A	Total CN	P	1.3666	µg/l	9/10/2025 9:40:46	
5.0PPBCN	A	Total CN	P	5.8991	µg/l	9/10/2025 9:40:47	
10PPBCN	A	Total CN	P	10.5292	µg/l	9/10/2025 9:40:48	
50PPBCN	A	Total CN	P	48.708	µg/l	9/10/2025 9:40:49	
100PPBCN	A	Total CN	P	98.0735	µg/l	9/10/2025 9:40:50	
250PPBCN	A	Total CN	P	249.8573	µg/l	9/10/2025 9:40:51	
500PPBCN	A	Total CN	P	500.5663	µg/l	9/10/2025 9:40:52	
ICV1	S	Total CN	P	96.4626	µg/l	9/10/2025 11:25:09	
ICB1	S	Total CN	P	1.6138	µg/l	9/10/2025 11:25:10	
CCV1	S	Total CN	P	246.132	µg/l	9/10/2025 11:25:13	
CCB1	S	Total CN	P	1.7239	µg/l	9/10/2025 11:25:16	
PB169627BS	S	Total CN	P	98.0415	µg/l	9/10/2025 11:25:18	
LOWPB169627	S	Total CN	P	9.7723	µg/l	9/10/2025 11:32:46	
HIGHPB169627	S	Total CN	P	500.8543	µg/l	9/10/2025 11:32:49	
Q3032-01	S	Total CN	P	2.9284	µg/l	9/10/2025 11:32:50	
Q3032-04	S	Total CN	P	3.395	µg/l	9/10/2025 11:32:53	
Q3032-04DUP	S	Total CN	P	3.139	µg/l	9/10/2025 11:40:18	
Q3032-04MS	S	Total CN	P	41.8287	µg/l	9/10/2025 11:40:21	
Q3032-04MSD	S	Total CN	P	42.2304	µg/l	9/10/2025 11:40:23	
CCV2	S	Total CN	P	246.1686	µg/l	9/10/2025 11:40:28	
CCB2	S	Total CN	P	1.5151	µg/l	9/10/2025 11:47:53	
PB169639BL	S	Total CN	P	1.8313	µg/l	9/10/2025 11:47:57	
PB169639BS	S	Total CN	P	99.0053	µg/l	9/10/2025 11:47:59	
Q3019-23	S	Total CN	P	756.1887	µg/l	9/10/2025 11:48:01	
CCV3	S	Total CN	P	249.4248	µg/l	9/10/2025 12:02:39	
CCB3	S	Total CN	P	1.9692	µg/l	9/10/2025 12:02:41	
Q3019-23DLX5	S	Total CN	P	152.581	µg/l	9/10/2025 12:41:37	
PB169627BL	S	Total CN	P	2.2096	µg/l	9/10/2025 13:29:55	
CCV4	S	Total CN	P	257.2412	µg/l	9/10/2025 13:29:58	
CCB4	S	Total CN	P	1.8908	µg/l	9/10/2025 13:30:00	

Reviewed By:Iwona
On:9/11/2025 12:56:33 PM
Inst Id :Konelab 20
LB :LB137132

Alliance Technical Group
284 Sheffield Street, Mountainside, NJ 07092

Reviewed by : RM Instrument ID : Konelab

9/10/2025 9:41

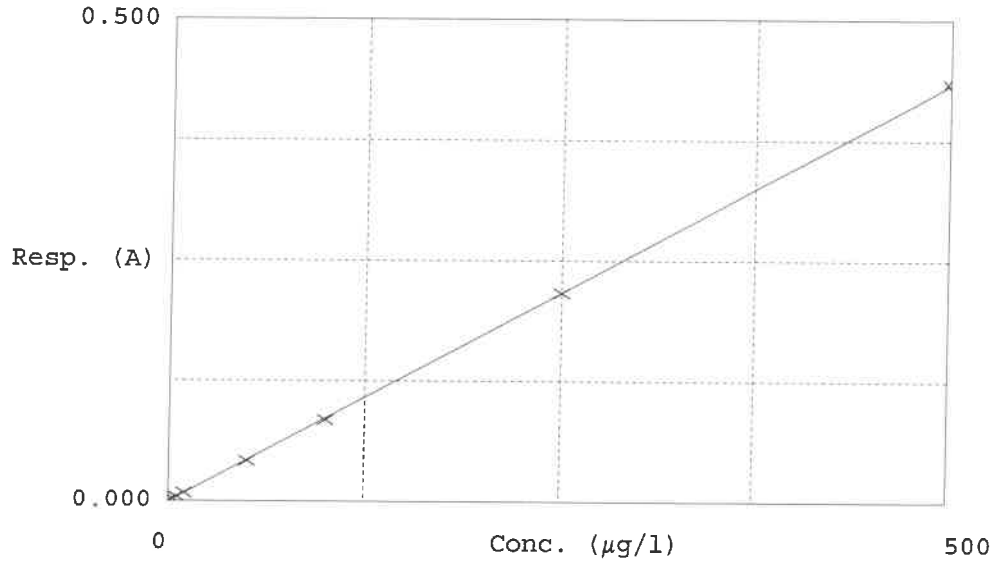
Test Total CN

Accepted 9/10/2025 9:41

Factor 1153
Bias -0.001

Coeff. of det. 0.999958

Errors



	Calibrator	Response	Calc. con.	Conc.	Errors
1	0.0PPBCN	0.001	1.3666	0.0000	
2	5.0PPBCN	0.005	5.8991	5.0000	18.0
3	10PPBCN	0.009	10.5292	10.0000	5.3
4	50PPBCN	0.042	48.7080	50.0000	-2.6
5	100PPBCN	0.085	98.0735	100.0000	-1.9
6	250PPBCN	0.216	249.8573	250.0000	-0.1
7	500PPBCN	0.434	500.5663	500.0000	0.1

09/10/2025
RM

Reviewed By:Iwona
On:9/11/2025 12:57:02 PM
Inst Id :Konelab 20
LB :LB137134

LB137134

Test results | Aquakem 7.2AQ1 | Page: 1

Alliance Technical Group
284 Sheffield Street, Mountainside, NJ 07092

Reviewed by : RM | Instrument ID : Konelab

9/10/2025 15:11

Test: Total CN

Sample Id	Result	Dil. 1 +	Response	Errors
ICV1	96.515	0.0	0.083	
ICB1	1.917	0.0	0.001	
CCV1	248.102	0.0	0.215	
CCB1	2.095	0.0	0.001	
RL CHECK	5.639	0.0	0.004	112% (50-150)
PB169630BL	2.040	0.0	0.001	
PB169630BS	100.038	0.0	0.086	98% (90-110) 09/10/2025 RM
MIDPB169630	246.745	0.0	0.214	
Q3019-22	762.849	0.0	0.661	Test limit high
Q3019-22DLX5	151.404	0.0	0.131	
CCV2	255.115	0.0	0.221	
CCB2	1.567	0.0	0.001	

N	12
Mean	156.169
SD	217.2320
CV%	139.10

Reviewed By:Iwona
On:9/11/2025 12:57:02 PM
Inst Id :Konelab 20
LB :LB137134

Aquakem v. 7.2AQ1
Results from time period:
Wed Sep 10 14:47:26 2025
Wed Sep 10 15:00:18 2025

Sample Id	Sam/Ctr/cA	Test short r	Test type	Result	Result unit	Result date and time	Stat
0.0PPBCN	A	Total CN	P	1.3666	µg/l	9/10/2025 9:40:46	
5.0PPBCN	A	Total CN	P	5.8991	µg/l	9/10/2025 9:40:47	
10PPBCN	A	Total CN	P	10.5292	µg/l	9/10/2025 9:40:48	
50PPBCN	A	Total CN	P	48.708	µg/l	9/10/2025 9:40:49	
100PPBCN	A	Total CN	P	98.0735	µg/l	9/10/2025 9:40:50	
250PPBCN	A	Total CN	P	249.8573	µg/l	9/10/2025 9:40:51	
500PPBCN	A	Total CN	P	500.5663	µg/l	9/10/2025 9:40:52	
ICV1	S	Total CN	P	96.5153	µg/l	9/10/2025 14:47:26	
ICB1	S	Total CN	P	1.9172	µg/l	9/10/2025 14:47:28	
CCV1	S	Total CN	P	248.1024	µg/l	9/10/2025 14:47:30	
CCB1	S	Total CN	P	2.0955	µg/l	9/10/2025 14:47:33	
RL CHECK	S	Total CN	P	5.6394	µg/l	9/10/2025 14:54:58	
PB169630BL	S	Total CN	P	2.0396	µg/l	9/10/2025 14:54:59	
PB169630BS	S	Total CN	P	100.0382	µg/l	9/10/2025 14:55:02	
MIDPB169630	S	Total CN	P	246.745	µg/l	9/10/2025 14:55:04	
Q3019-22	S	Total CN	P	762.8486	µg/l	9/10/2025 14:55:05	
Q3019-22DLX5	S	Total CN	P	151.4036	µg/l	9/10/2025 14:55:07	
CCV2	S	Total CN	P	255.1146	µg/l	9/10/2025 15:00:15	
CCB2	S	Total CN	P	1.5672	µg/l	9/10/2025 15:00:18	

Reviewed By:Iwona
On:9/11/2025 12:57:02 PM
Inst Id :Konelab 20
LB :LB137134

Calibration results Aquakem 7.2AQ1 Page: 1

Alliance Technical Group
284 Sheffield Street, Mountainside, NJ 07092

Reviewed by : RM Instrument ID : Konelab

9/10/2025 9:41

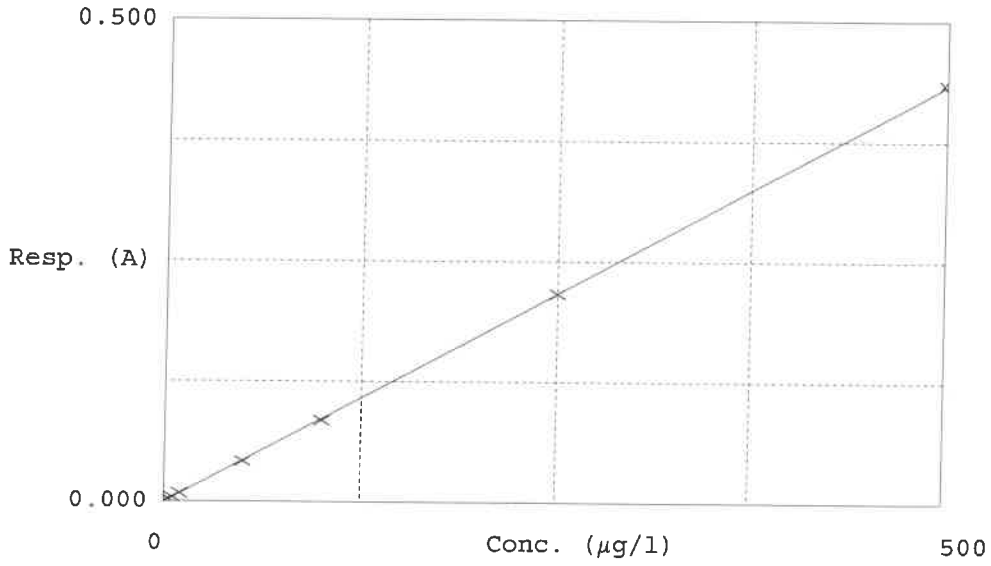
Test Total CN

Accepted 9/10/2025 9:41

Factor 1153
Bias -0.001

Coeff. of det. 0.999958

Errors



	Calibrator	Response	Calc. con.	Conc.	Errors
1	0.0PPBCN	0.001	1.3666	0.0000	
2	5.0PPBCN	0.005	5.8991	5.0000	18.6
3	10PPBCN	0.009	10.5292	10.0000	5.3
4	50PPBCN	0.042	48.7080	50.0000	-2.6
5	100PPBCN	0.085	98.0735	100.0000	-1.9
6	250PPBCN	0.216	249.8573	250.0000	-0.1
7	500PPBCN	0.434	500.5663	500.0000	0.1

09/10/2025
RM

Reviewed By:Iwona
On:9/11/2025 12:56:53 PM
Inst Id :Konelab 20
LB :LB137135

LB137135

Test results | Aquakem 7.2AQ1 | Page: 1

Alliance Technical Group
284 Sheffield Street, Mountainside, NJ 07092

Reviewed by : RH | Instrument ID : Konelab

9/10/2025 14:18

Test: Total CN

Sample Id	Result	Dil. 1 +	Response	Errors
ICV1	97.607	0.0	0.084	
ICB1	2.259	0.0	0.001	
CCV1	246.614	0.0	0.213	
CCB1	2.010	0.0	0.001	
PB169642BL	1.989	0.0	0.001	
PB169642BS	97.527	0.0	0.084	
Q3019-24	740.523	0.0	0.642	Test limit high
Q3019-24DLX5	150.857	0.0	0.130	
CCV2	248.581	0.0	0.215	
CCB2	1.993	0.0	0.001	

N	10
Mean	158.996
SD	226.0780
CV%	142.19

Reviewed By:Iwona
On:9/11/2025 12:56:53 PM
Inst Id :Konelab 20
LB :LB137135

Calibration results Aquakem 7.2AQ1 Page: 1

Alliance Technical Group
284 Sheffield Street, Mountainside, NJ 07092

Reviewed by : RM Instrument ID : Konelab

9/10/2025 9:41

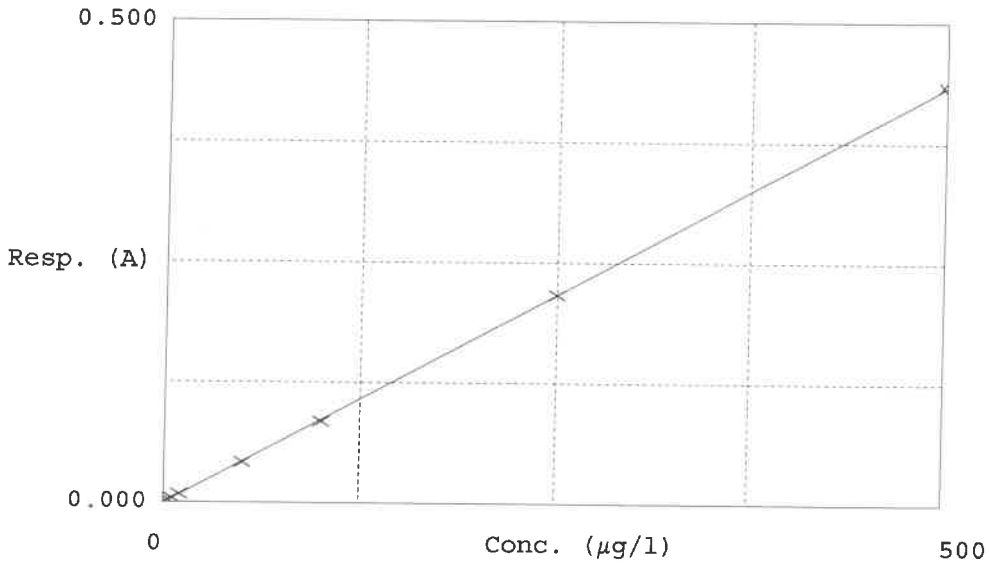
Test Total CN

Accepted 9/10/2025 9:41

Factor 1153
Bias -0.001

Coeff. of det. 0.999958

Errors



	Calibrator	Response	Calc. con.	Conc.	Errors
1	0.0PPBCN	0.001	1.3666	0.0000	
2	5.0PPBCN	0.005	5.8991	5.0000	18.0
3	10PPBCN	0.009	10.5292	10.0000	5.3
4	50PPBCN	0.042	48.7080	50.0000	-2.6
5	100PPBCN	0.085	98.0735	100.0000	-1.9
6	250PPBCN	0.216	249.8573	250.0000	-0.1
7	500PPBCN	0.434	500.5663	500.0000	0.1

09/10/2025
RM

Reviewed By:Iwona
On:9/11/2025 12:56:53 PM
Inst Id :Konelab 20
LB :LB137135

Aquakem v. 7.2AQ1
Results from time period:
Wed Sep 10 14:06:54 2025
Wed Sep 10 14:14:39 2025

Sample Id	Sam/Ctr/cA	Test short r	Test type	Result	Result unit	Result date and time	Stat
0.0PPBCN	A	Total CN	P	1.3666	µg/l	9/10/2025 9:40:46	
5.0PPBCN	A	Total CN	P	5.8991	µg/l	9/10/2025 9:40:47	
10PPBCN	A	Total CN	P	10.5292	µg/l	9/10/2025 9:40:48	
50PPBCN	A	Total CN	P	48.708	µg/l	9/10/2025 9:40:49	
100PPBCN	A	Total CN	P	98.0735	µg/l	9/10/2025 9:40:50	
250PPBCN	A	Total CN	P	249.8573	µg/l	9/10/2025 9:40:51	
500PPBCN	A	Total CN	P	500.5663	µg/l	9/10/2025 9:40:52	
ICV1	S	Total CN	P	97.6066	µg/l	9/10/2025 14:06:55	
ICB1	S	Total CN	P	2.2586	µg/l	9/10/2025 14:06:56	
CCV1	S	Total CN	P	246.6145	µg/l	9/10/2025 14:06:58	
CCB1	S	Total CN	P	2.01	µg/l	9/10/2025 14:07:01	
PB169642BL	S	Total CN	P	1.9887	µg/l	9/10/2025 14:07:02	
PB169642BS	S	Total CN	P	97.5271	µg/l	9/10/2025 14:14:29	
Q3019-24	S	Total CN	P	740.5226	µg/l	9/10/2025 14:14:30	
Q3019-24DLX5	S	Total CN	P	150.8569	µg/l	9/10/2025 14:14:35	
CCV2	S	Total CN	P	248.581	µg/l	9/10/2025 14:14:37	
CCB2	S	Total CN	P	1.9933	µg/l	9/10/2025 14:14:39	

Alliance TECHNICAL GROUP

Analytical Summary Report

Analysis Method: 9034
Parameter: Sulfide
Run Number: LB137136

ANALYST: rubina
SUPERVISOR REVIEW BY: Iwona
Constant: 16000
Normality1: 0.025
Normality2: 0.025

Reagent/Standard	Lot/Log #
SODIUM THIOSULFATE,0.025N,4LITRE	W3105
IODINE SOLUTION .025N 1L	W3213
Starch Solution, 4L	W3149

Seq	Lab ID	True Value (mg/L)	DF	Initial Volume (mL)	Final Volume (mL)	T1 (mL)	T2 Initial	T2 Final	T2 Diff. (mL)	T1 - T2 Diff (mL)	Value Corrected With Blank	Result (ppm)	AnalDate	Anal Time
1	PB169542BL		1	50	50	5.00	0.00	4.94	4.94	0.06	0.00	0.00	09/10/2025	12:00
2	PB169542BS	25	1	50	50	5.00	0.00	2.14	2.14	2.86	2.80	22.40	09/10/2025	12:03
3	Q2893-09		1	50	50	5.00	0.00	4.88	4.88	0.12	0.06	0.48	09/10/2025	12:06
4	Q3019-29		1	50	50	5.00	0.00	4.40	4.40	0.60	0.54	4.32	09/10/2025	12:09
5	Q3025-01		1	50	50	5.00	0.00	4.90	4.90	0.10	0.04	0.32	09/10/2025	12:12
6	Q3025-01DUP		1	50	50	5.00	0.00	4.90	4.90	0.10	0.04	0.32	09/10/2025	12:15
7	Q3025-01MS	25	1	50	50	5.00	0.00	1.90	1.90	3.10	3.04	24.32	09/10/2025	12:18
8	Q3025-01MSD	25	1	50	50	5.00	0.00	1.92	1.92	3.08	3.02	24.16	09/10/2025	12:21
9	Q3025-03		1	50	50	5.00	0.00	4.92	4.92	0.08	0.02	0.16	09/10/2025	12:24
10	Q3025-05		1	50	50	5.00	0.00	4.90	4.90	0.10	0.04	0.32	09/10/2025	12:27

T1 = Titrant1

T2 = Titrant2

T2 Diff = T2 Final - T2 Initial

Value Corrected With Blank = ((T1 - T2 Diff) - Blank Correction(BL))

Result = ((T1 * Normality1) - ((T1 - Value Corrected With Blank) * Normality2)) * Constant / Initial Volume

Reviewed
By:JIGNESH
On:9/11/2025 4:19:34 PM
Inst Id

Analytical Summary Report

Analysis Method: SM4500 Cl G
ANALYST: Iwona
Parameter: Residual Chlorine
SUPERVISOR REVIEW BY: JIGNESH
Run Number: LB137137

Reagent/Standard	Lot/Log #
Residual chlorine LOD, 0.05PPM	WP114710
Residual chlorine ICV-LCS, 0.4PPM	WP114709
Chlorine Calibration std, 0.1ppm	WP114704
Chlorine Calibration std, 0.2ppm	WP114705
Chlorine Calibration std, 0.8ppm	WP114707
Chlorine Calibration std, 0.0ppm	WP114703
Chlorine Calibration std, 1.6ppm	WP114708
Residual Chlorine Calibration and CCV std, 0	WP114706
Total Chlorine Powder Pillows	W3147

Intercept: -0.0114 **Slope:** 0.9834 **Regression:** 0.999856

Seq	Lab ID	True Val (mg/l)	DF	Initial Reading	Final Reading	Difference	Result (mg/l)	%D	AnalDate	Anal Time
1	CAL1	0	1	0.000	0.000	0.000	0.01		09/10/2025	10:45
2	CAL2	0.1	1	0.000	0.080	0.080	0.09	-7	09/10/2025	10:48
3	CAL3	0.2	1	0.000	0.190	0.190	0.21	2.5	09/10/2025	10:51
4	CAL4	0.4	1	0.000	0.380	0.380	0.40	-0.5	09/10/2025	10:53
5	CAL5	0.8	1	0.000	0.760	0.760	0.78	-2	09/10/2025	10:56
6	CAL6	1.6	1	0.000	1.570	1.570	1.61	0.5	09/10/2025	11:00

Reviewed
By:JIGNESH
On:9/11/2025 4:19:34
PM
Inst Id

Analytical Summary Report

Analysis Method: SM4500 Cl G
ANALYST: Iwona
Parameter: Residual Chlorine
SUPERVISOR REVIEW BY: JIGNESH
Run Number: LB137137

Seq	Lab ID	Initial Weight	Final Vol	True Value (mg/L)	DF	Initial Reading	Final Reading	Diff.	Result (mg/L)	Anal Date	Anal Time
1	ICV			0.4	1	0.0000	0.4100	0.4100	0.4290	09/10/2025	11:03
2	ICB				1	0.0000	0.0100	0.0100	0.0220	09/10/2025	11:06
3	CCV1			0.4	1	0.0000	0.3800	0.3800	0.3980	09/10/2025	11:09
4	CCB1				1	0.0000	0.0000	0.0000	0.0120	09/10/2025	11:12
5	LB137137BL	50	50		1	0.0000	0.0000	0.0000	0.0120	09/10/2025	11:15
6	LB137137BS	50	50	0.4	1	0.0000	0.4000	0.4000	0.4180	09/10/2025	11:18
7	Q2893-09	50	50		1	0.0000	0.0300	0.0300	0.0420	09/10/2025	11:21
8	Q3019-19	50	50		1	0.0000	0.6500	0.6500	0.6730	09/10/2025	11:24
9	Q3061-01	50	50		1	0.0000	0.0800	0.0800	0.0930	09/10/2025	11:27
10	Q3061-01DUP	50	50		1	0.0000	0.0800	0.0800	0.0930	09/10/2025	11:30
11	Q3061-01MS	50	50	0.4	1	0.0000	0.4200	0.4200	0.4390	09/10/2025	11:33
12	Q3061-01MSD	50	50	0.4	1	0.0000	0.4100	0.4100	0.4290	09/10/2025	11:36
13	Q3061-02	50	50		1	0.0000	0.0400	0.0400	0.0520	09/10/2025	11:40
14	Q3061-03	50	50		1	0.0000	0.0200	0.0200	0.0320	09/10/2025	11:43
15	CCV2			0.4	1	0.0000	0.3800	0.3800	0.3980	09/10/2025	11:46
16	CCB2				1	0.0000	0.0100	0.0100	0.0220	09/10/2025	11:49
17	Q3061-04	50	50		1	0.0000	0.0600	0.0600	0.0730	09/10/2025	11:52
18	Q3061-05	50	50		1	0.0000	0.0100	0.0100	0.0220	09/10/2025	11:55
19	Q3061-06	50	50		1	0.0000	0.0300	0.0300	0.0420	09/10/2025	11:58
20	Q3061-07	50	50		1	0.0000	0.0200	0.0200	0.0320	09/10/2025	12:01
21	CCV3			0.4	1	0.0000	0.3900	0.3900	0.4080	09/10/2025	12:04
22	CCB3				1	0.0000	0.0000	0.0000	0.0120	09/10/2025	12:07

WORKLIST(Hardcopy Internal Chain)

LB 137137

WorkList Name : RESCHLORINE-091025 **WorkList ID :** 191782 **Department :** Wet-Chemistry **Date :** 09-10-2025 10:22:31

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3019-19	WP0925-PT-CL-WP	Water	Residual Chlorine	Cool 4 deg C	ALLI03	QA Of	09/02/2025	SM4500 Cl G
Q3061-01	B2-W16-RM4080-SINK	Water	Residual Chlorine	Cool 4 deg C	CLOU03	J12	09/09/2025	SM4500 Cl G
Q3061-02	B2-W16-RM4056-SINK	Water	Residual Chlorine	Cool 4 deg C	CLOU03	J12	09/09/2025	SM4500 Cl G
Q3061-03	B2-W16-RM4057-RHSINK	Water	Residual Chlorine	Cool 4 deg C	CLOU03	J12	09/09/2025	SM4500 Cl G
Q3061-04	B2-W16-LHDrinking Fountain	Water	Residual Chlorine	Cool 4 deg C	CLOU03	J12	09/09/2025	SM4500 Cl G
Q3061-05	B2-W16-RM4065-Eyewash	Water	Residual Chlorine	Cool 4 deg C	CLOU03	J12	09/09/2025	SM4500 Cl G
Q3061-06	B2-W16-RM4088-SINK	Water	Residual Chlorine	Cool 4 deg C	CLOU03	J12	09/09/2025	SM4500 Cl G
Q3061-07	B2-W16-RM4075-SINK	Water	Residual Chlorine	Cool 4 deg C	CLOU03	J12	09/09/2025	SM4500 Cl G

Date/Time 09/10/25 10:25

Raw Sample Received by: 12(3C)

Raw Sample Relinquished by: [illegible]

Date/Time 09/10/25 14:35

Raw Sample Received by: [illegible]

Raw Sample Relinquished by: 12(3C)

Reviewed By:JIGNESH On:9/11/2025 4:19:34 PM Inst Id

Alliance TECHNICAL GROUP

Analytical Summary Report

Analysis Method: SM4500 S EorF
Parameter: Sulfide
Run Number: LB137146

ANALYST: rubina
SUPERVISOR REVIEW BY: Iwona
Constant: 16000
Normality1: 0.025
Normality2: 0.025

Reagent/Standard	Lot/Log #
SODIUM THIOSULFATE,0.025N,4LITRE	W3105
IODINE SOLUTION .025N 1L	W3213
Starch Solution, 4L	W3149

Seq	Lab ID	True Value (mg/L)	DF	Initial Volume (mL)	Final Volume (mL)	T1 (mL)	T2 Initial	T2 Final	T2 Diff. (mL)	T1 - T2 Diff (mL)	Value Corrected With Blank	Result (ppm)	AnalDate	Anal Time
1	PB169543BL		1	50	50	5.00	0.00	4.94	4.94	0.06	0.00	0.00	09/10/2025	12:40
2	PB169543BS	25	1	50	50	5.00	0.00	2.24	2.24	2.76	2.70	21.60	09/10/2025	12:43
3	Q2893-12		1	50	50	5.00	0.00	4.88	4.88	0.12	0.06	0.48	09/10/2025	12:46
4	Q3019-28		1	50	50	5.00	0.00	4.40	4.40	0.60	0.54	4.32	09/10/2025	12:49

T1 = Titrant1

T2 = Titrant2

T2 Diff = T2 Final - T2 Initial

Value Corrected With Blank = ((T1 - T2 Diff) - Blank Correction(BL))

Result = ((T1 * Normality1) - ((T1 - Value Corrected With Blank) * Normality2)) * Constant / Initial Volume

Reviewed By:Iwona
On:9/12/2025 2:27:47 PM
Inst Id :Konelab 20
LB :LB137152

LB137152

Test results | Aquakem 7.2AQ1 | Page: 1

Alliance Technical Group
284 Sheffield Street, Mountainside, NJ 07092

Reviewed by : RM | Instrument ID : Konelab

9/11/2025 13:07

Test: Nitrite

Sample Id	Result	Dil. 1 +	Response	Errors
ICV1	0.301	0.0	0.889	
ICB1	0.001	0.0	0.053	
CCV1	0.302	0.0	0.892	
CCB1	0.001	0.0	0.052	
RL CHECK	0.012	0.0	0.082	100% (50-150) 09/11/2025 RM
LB137152BLW	0.000	0.0	0.050	
LB137152BSW	0.302	0.0	0.893	
Q3019-14	1.505	0.0	4.254	Test limit high
CCV2	0.302	0.0	0.891	
CCB2	0.000	0.0	0.049	
Q3019-14DLX5	0.308	0.0	0.909	
CCV3	0.302	0.0	0.893	
CCB3	0.000	0.0	0.050	

N	13
Mean	0.257
SD	0.4041
CV%	157.46

Reviewed By:Iwona
On:9/12/2025 2:27:47 PM
Inst Id :Konelab 20
LB :LB137152

Calibration results — Aquakem 7.2AQ1 —

Alliance Technical Group
284 Sheffield Street, Mountainside, NJ 07092

Reviewed by : RM Instrument ID : Konelab

9/11/2025 11:09

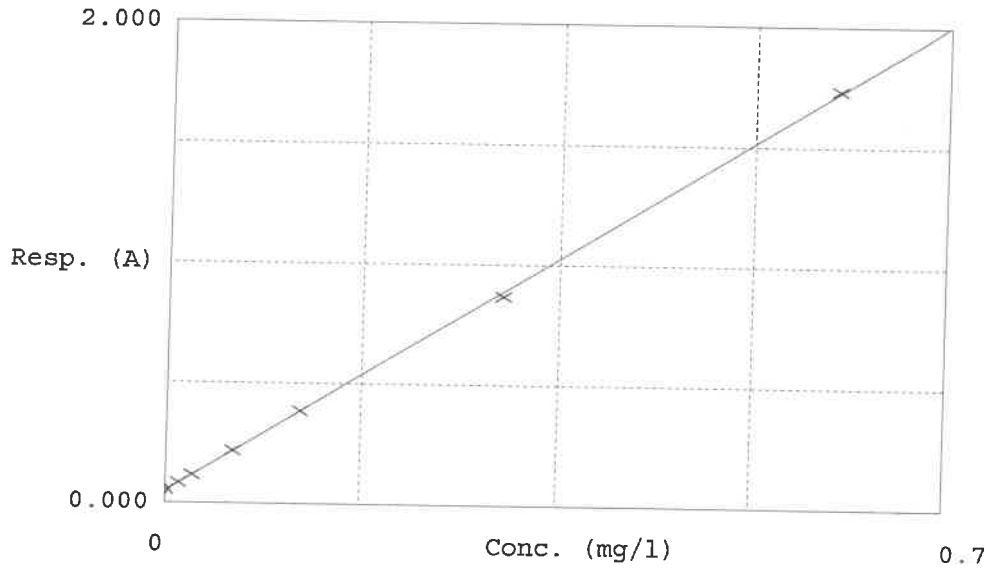
Test Nitrite

Accepted 9/11/2025 11:09

Factor 0.358
Bias 0.049

Coeff. of det. 0.999800

Errors



	Calibrator	Response	Calc. con.	Conc.	Errors
1	0.00PPM	0.053	0.0014	0.0000	-
2	NITRITE0.6	0.084	0.0126	0.0120	5.0
3	NITRITE0.6	0.117	0.0244	0.0240	1.7
4	NITRITE0.6	0.218	0.0606	0.0600	1.0
5	NITRITE0.6	0.385	0.1204	0.1200	0.3
6	NITRITE0.6	0.868	0.2933	0.3000	-2.2
7	NITRITE0.6	1.734	0.6032	0.6000	0.5

09/11/2025
RM

Reviewed By:Iwona
On:9/12/2025 2:27:47 PM
Inst Id :Konelab 20
LB :LB137152

Aquakem v. 7.2AQ1
Results from time period:
Thu Sep 11 11:05:21 2025
Thu Sep 11 12:40:27 2025

Sample Id	Sam/Ctr/cA	Test short r	Test type	Result	Result unit	Result date and time	Stat
0.0000PPM	A	Nitrite	P	0.0014	mg/l	9/11/2025 11:05:21	
0.012PPM	A	Nitrite	P	0.0126	mg/l	9/11/2025 11:05:22	
0.024PPM	A	Nitrite	P	0.0244	mg/l	9/11/2025 11:05:23	
0.060PPM	A	Nitrite	P	0.0606	mg/l	9/11/2025 11:05:24	
0.12PPM	A	Nitrite	P	0.1204	mg/l	9/11/2025 11:05:25	
0.30PPM	A	Nitrite	P	0.2933	mg/l	9/11/2025 11:05:26	
0.60PPM	A	Nitrite	P	0.6032	mg/l	9/11/2025 11:05:27	
ICV1	S	Nitrite	P	0.3006	mg/l	9/11/2025 12:13:02	
ICB1	S	Nitrite	P	0.0015	mg/l	9/11/2025 12:13:04	
CCV1	S	Nitrite	P	0.3019	mg/l	9/11/2025 12:13:06	
CCB1	S	Nitrite	P	0.0009	mg/l	9/11/2025 12:13:08	
RL CHECK	S	Nitrite	P	0.0119	mg/l	9/11/2025 12:13:10	
LB137152BLW	S	Nitrite	P	0.0004	mg/l	9/11/2025 12:16:25	
LB137152BSW	S	Nitrite	P	0.3021	mg/l	9/11/2025 12:16:28	
Q3019-14	S	Nitrite	P	1.5054	mg/l	9/11/2025 12:16:32	
CCV2	S	Nitrite	P	0.3016	mg/l	9/11/2025 12:16:35	
CCB2	S	Nitrite	P	0.0001	mg/l	9/11/2025 12:17:29	
Q3019-14DLX5	S	Nitrite	P	0.3078	mg/l	9/11/2025 12:40:23	
CCV3	S	Nitrite	P	0.3021	mg/l	9/11/2025 12:40:25	
CCB3	S	Nitrite	P	0.0004	mg/l	9/11/2025 12:40:27	

WORKLIST(Hardcopy Internal Chain)

lb137152

WorkList Name : NIRITE-3019 **WorkList ID :** 191817 **Department :** Wet-Chemistry **Date :** 09-11-2025 08:53:22

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3019-14	WP0925-PT-NUT3-WP	Water	Nitrite	Cool 4 deg C	ALLI03	QA Of	09/02/2025	SM4500-NO2

Date/Time 09/11/2025 09.00

Raw Sample Received by: RM (WC)

Raw Sample Relinquished by: R (WC)

Date/Time NA

Raw Sample Received by: 4

Raw Sample Relinquished by: 4

Reviewed By:Iwona
On:9/12/2025 2:27:47 PM
Inst Id :Konelab 20
LB :LB137152

Reviewed By:Iwona
On:9/12/2025 2:28:01 PM
Inst Id :Konelab 20
LB :LB137157

Lb

Test results | Aquakem 7.2AQ1 | Page: 1

Alliance Technical Group
284 Sheffield Street, Mountainside, NJ 07092

Reviewed by : RH

9/11/2025 14:23 | Instrument ID : Konelab

Test: Phenolics-

Sample Id	Result	Dil. 1 +	Response	Errors
ICV1	1.057	0.0	0.111	
ICB1	-0.008	0.0	0.008	
CCV1	0.990	0.0	0.105	
CCB1	-0.009	0.0	0.008	
PB169625BL	-0.012	0.0	0.008	
PB169625BS	1.062	0.0	0.112	
Q3019-26	0.925	0.0	0.098	
CCV2	0.985	0.0	0.104	
CCB2	-0.015	0.0	0.007	

N	9
Mean	0.553
SD	0.5365
CV%	97.06

Reviewed By:Iwona
On:9/12/2025 2:28:01 PM
Inst Id :Konelab 20
LB :LB137157

Aquakem v. 7.2AQ1
Results from time period:
Thu Sep 11 13:38:54 2025
Thu Sep 11 14:14:53 2025

Sample Id	Sam/Ctr/cA	Test short r	Test type	Result	Result unit	Result date and time	Stat
0.00PPM	A	Phenolics-	P	-0.0037	mg/l	9/11/2025 13:38:54	
0.05PPM	A	Phenolics-	P	0.0622	mg/l	9/11/2025 13:38:55	
0.1PPM	A	Phenolics-	P	0.1061	mg/l	9/11/2025 13:38:56	
0.25PPM	A	Phenolics-	P	0.2546	mg/l	9/11/2025 13:38:57	
0.50PPM	A	Phenolics-	P	0.493	mg/l	9/11/2025 13:38:58	
1.0PPM	A	Phenolics-	P	0.9746	mg/l	9/11/2025 13:38:59	
2.0PPM	A	Phenolics-	P	2.0133	mg/l	9/11/2025 13:39:00	
ICV1	S	Phenolics-	P	1.0572	mg/l	9/11/2025 14:07:02	
ICB1	S	Phenolics-	P	-0.008	mg/l	9/11/2025 14:07:05	
CCV1	S	Phenolics-	P	0.9901	mg/l	9/11/2025 14:07:07	
CCB1	S	Phenolics-	P	-0.0094	mg/l	9/11/2025 14:07:08	
PB169625BL	S	Phenolics-	P	-0.0119	mg/l	9/11/2025 14:07:10	
PB169625BS	S	Phenolics-	P	1.0624	mg/l	9/11/2025 14:07:13	
Q3019-26	S	Phenolics-	P	0.925	mg/l	9/11/2025 14:14:44	
CCV2	S	Phenolics-	P	0.9848	mg/l	9/11/2025 14:14:50	
CCB2	S	Phenolics-	P	-0.0154	mg/l	9/11/2025 14:14:52	

Reviewed By:Iwona
On:9/12/2025 2:28:01 PM
Inst Id :Konelab 20
LB :LB137157

Calibration results Aquakem 7.2AQ1 Page: 1

Alliance Technical Group
284 Sheffield Street, Mountainside, NJ 07092

Reviewed by : RM Instrument ID : Konelab

9/11/2025 13:45

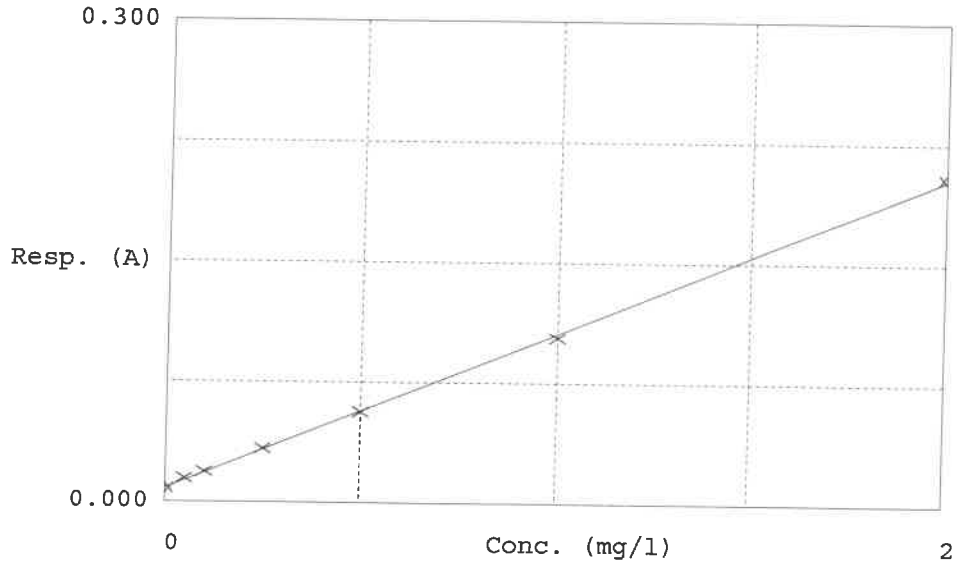
Test Phenolics-

Accepted 9/11/2025 13:45

Factor 10.32
Bias 0.009

Coeff. of det. 0.999653

Errors



	Calibrator	Response	Calc. con.	Conc.	Errors
1	0.00PPM	0.008	-0.0037	0.0000	-
2	Phenol-2	0.015	0.0622	0.0500	24.4
3	Phenol-2	0.019	0.1061	0.1000	6.1
4	Phenol-2	0.033	0.2546	0.2500	1.8
5	Phenol-2	0.056	0.4930	0.5000	-1.4
6	Phenol-2	0.103	0.9746	1.0000	-2.5
7	Phenol-2	0.204	2.0133	2.0000	0.7

09/11/2025
RM

Reviewed By:Iwona
On:9/12/2025 2:27:54 PM
Inst Id :Konelab 20
LB :LB137160

LB137160

Test results | Aquakem 7.2AQ1 | Page: 1

Alliance Technical Group
284 Sheffield Street, Mountainside, NJ 07092

Reviewed by : RM | Instrument ID : Konelab

9/11/2025 14:58

Test: Phenolics-

Sample Id	Result	Dil. 1 +	Response	Errors
ICV1	0.987	0.0	0.104	
ICB1	-0.012	0.0	0.008	
CCV1	0.991	0.0	0.105	
CCB1	-0.014	0.0	0.007	
PB169624BL	-0.015	0.0	0.007	
PB169624BS	0.989	0.0	0.105	
Q3019-25	0.926	0.0	0.098	
CCV2	0.987	0.0	0.104	
CCB2	-0.017	0.0	0.007	

N	9
Mean	0.536
SD	0.5224
CV%	97.53

Reviewed By:Iwona
On:9/12/2025 2:27:54 PM
Inst Id :Konelab 20
LB :LB137160

Aquakem v. 7.2AQ1
Results from time period:
Thu Sep 11 14:50:19 2025
Thu Sep 11 14:57:12 2025

Sample Id	Sam/Ctr/cA	Test short r	Test type	Result	Result unit	Result date and time	Stat
0.00PPM	A	Phenolics-	P	-0.0037	mg/l	9/11/2025 13:38:54	
0.05PPM	A	Phenolics-	P	0.0622	mg/l	9/11/2025 13:38:55	
0.1PPM	A	Phenolics-	P	0.1061	mg/l	9/11/2025 13:38:56	
0.25PPM	A	Phenolics-	P	0.2546	mg/l	9/11/2025 13:38:57	
0.50PPM	A	Phenolics-	P	0.493	mg/l	9/11/2025 13:38:58	
1.0PPM	A	Phenolics-	P	0.9746	mg/l	9/11/2025 13:38:59	
2.0PPM	A	Phenolics-	P	2.0133	mg/l	9/11/2025 13:39:00	
ICV1	S	Phenolics-	P	0.9866	mg/l	9/11/2025 14:50:20	
ICB1	S	Phenolics-	P	-0.0124	mg/l	9/11/2025 14:50:21	
CCV1	S	Phenolics-	P	0.9915	mg/l	9/11/2025 14:50:23	
CCB1	S	Phenolics-	P	-0.0143	mg/l	9/11/2025 14:50:25	
PB169624BL	S	Phenolics-	P	-0.0146	mg/l	9/11/2025 14:50:27	
PB169624BS	S	Phenolics-	P	0.9887	mg/l	9/11/2025 14:50:30	
Q3019-25	S	Phenolics-	P	0.9256	mg/l	9/11/2025 14:57:06	
CCV2	S	Phenolics-	P	0.9869	mg/l	9/11/2025 14:57:10	
CCB2	S	Phenolics-	P	-0.0172	mg/l	9/11/2025 14:57:12	

Reviewed By:Iwona
On:9/12/2025 2:27:54 PM
Inst Id :Konelab 20
LB :LB137160

Calibration results Aquakem 7.2AQ1 Page: 1

Alliance Technical Group
284 Sheffield Street, Mountainside, NJ 07092

Reviewed by : RM Instrument ID : Konelab

9/11/2025 13:45

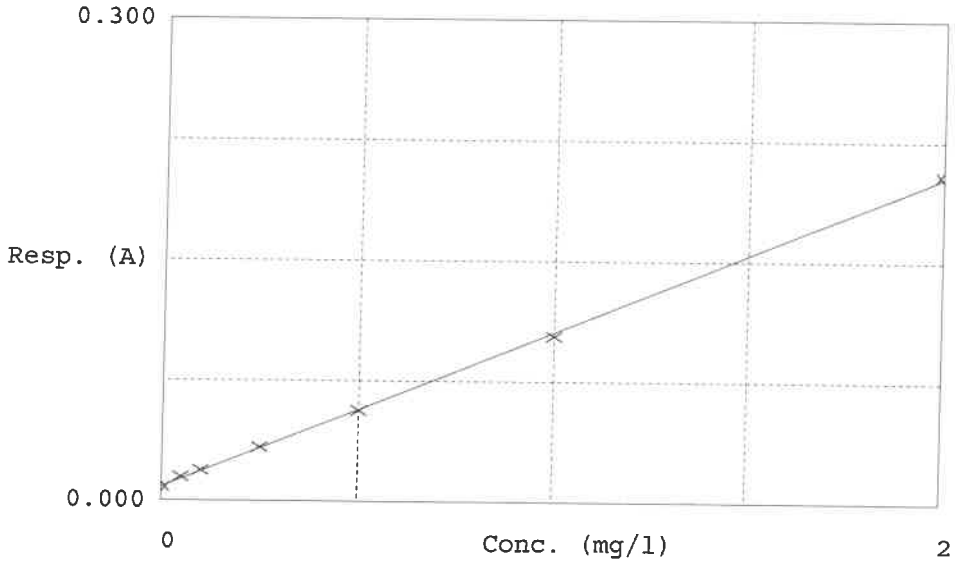
Test Phenolics-

Accepted 9/11/2025 13:45

Factor 10.32
Bias 0.009

Coeff. of det. 0.999653

Errors



	Calibrator	Response	Calc. con.	Conc.	Errors
1	0.00PPM	0.008	-0.0037	0.0000	-
2	Phenol-2	0.015	0.0622	0.0500	24.4
3	Phenol-2	0.019	0.1061	0.1000	6.1
4	Phenol-2	0.033	0.2546	0.2500	1.8
5	Phenol-2	0.056	0.4930	0.5000	-1.4
6	Phenol-2	0.103	0.9746	1.0000	-2.5
7	Phenol-2	0.204	2.0133	2.0000	0.7

09/11/2025
RM

Instrument IC-1 Analyst : RM Method: 300.0 / 9056A

Ident	Con F-	Con CL-	Con NO2	Con BR-	Con NO3	Con HPO4	Con SO4	Method name	date time	Initial w Analyst
STD1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	IC1-090925	9/9/2025 10:21	10 RM/IZ
STD2	0.423	0.641	0.632	2.091	0.529	1.063	3.237	IC1-090925	9/9/2025 10:42	10 RM/IZ
STD3	0.794	1.189	1.197	3.984	0.997	2.006	6.010	IC1-090925	9/9/2025 11:25	10 RM/IZ
STD4	0.990	1.475	1.473	4.920	1.228	2.461	7.371	IC1-090925	9/9/2025 11:47	10 RM/IZ
STD5	2.008	3.012	3.027	10.105	2.514	4.978	15.047	IC1-090925	9/9/2025 13:36	10 RM/IZ
STD6	3.935	5.921	5.894	19.658	4.924	9.905	29.203	IC1-090925	9/9/2025 13:58	10 RM/IZ
STD7	5.050	7.561	7.577	25.243	6.308	12.587	37.633	IC1-090925	9/9/2025 14:41	10 RM/IZ
ICV	2.001	2.995	2.988	9.985	2.483	5.041	14.797	IC1-090925	9/9/2025 15:02	10 RM/IZ
ICB	0.000	0.063	0.000	0.000	0.000	0.000	0.000	IC1-090925	9/9/2025 15:45	10 RM/IZ
CCV	2.004	2.970	2.981	10.060	2.440	5.083	14.890	IC1-090925	9/11/2025 10:23	10 RM/IZ
CCB	0.000	0.000	0.000	0.000	0.000	0.000	0.000	IC1-090925	9/11/2025 10:45	10 RM/IZ
LB137171BLW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	IC1-090925	9/11/2025 11:06	10 RM/IZ
LB137171BSW	2.016	2.955	2.970	10.004	2.432	5.036	14.786	IC1-090925	9/11/2025 11:28	10 RM/IZ
Q3019-05	3.367	259.814	0.000	5.201	0.000	0.000	111.521	IC1-090925	9/11/2025 11:49	10 RM/IZ
Q3019-11	0.000	47.723	0.000	0.000	8.087	3.837	0.000	IC1-090925	9/11/2025 12:33	10 RM/IZ
Q3019-15	0.000	0.074	1.531	0.000	0.000	0.000	0.000	IC1-090925	9/11/2025 12:54	10 RM/IZ
Q3019-05DLX10	0.354	19.027	0.000	0.635	0.000	0.000	10.024	IC1-090925	9/11/2025 13:16	10 RM/IZ
Q3019-05DL2X50	0.096	3.521	0.000	0.241	0.000	0.000	2.301	IC1-090925	9/11/2025 13:37	10 RM/IZ
Q3019-11DLX2	0.000	21.812	0.000	0.000	3.908	1.755	0.000	IC1-090925	9/11/2025 13:59	10 RM/IZ
CCV	2.017	2.948	2.964	10.001	2.429	5.049	14.851	IC1-090925	9/11/2025 14:20	10 RM/IZ
CCB	0.000	0.000	0.000	0.000	0.000	0.000	0.000	IC1-090925	9/11/2025 14:42	10 RM/IZ

Reviewed By:Iwona
On:9/16/2025 9:27:21 AM
Inst Id :IC-1
LB :LB137171

Clear table

Instrument ID: IC-2 Analyst : IZ Method: 300.0 / 9056A

ident	concentration F-	concentration CL-	concentration NO2	concentration BR-	concentration NO3	concentration HPO4	concentration SO4	file name	date time	Initial wt/ Final	Analyst
STD1	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	IC1-090925	9/9/2025 10:21	10	RM/IZ
STD2	0.4230	0.6410	0.6320	2.0910	0.5290	1.0630	3.2370	IC1-090925	9/9/2025 10:42	10	RM/IZ
STD3	0.7940	1.1890	1.1970	3.9840	0.9970	2.0060	6.0100	IC1-090925	9/9/2025 11:25	10	RM/IZ
STD4	0.9900	1.4750	1.4730	4.9200	1.2280	2.4610	7.3710	IC1-090925	9/9/2025 11:47	10	RM/IZ
STD5	2.0080	3.0120	3.0270	10.1050	2.5140	4.9780	15.0470	IC1-090925	9/9/2025 13:36	10	RM/IZ
STD6	3.9350	5.9210	5.8940	19.6580	4.9240	9.9050	29.2030	IC1-090925	9/9/2025 13:58	10	RM/IZ
STD7	5.0500	7.5610	7.5770	25.2430	6.3080	12.5870	37.6330	IC1-090925	9/9/2025 14:41	10	RM/IZ

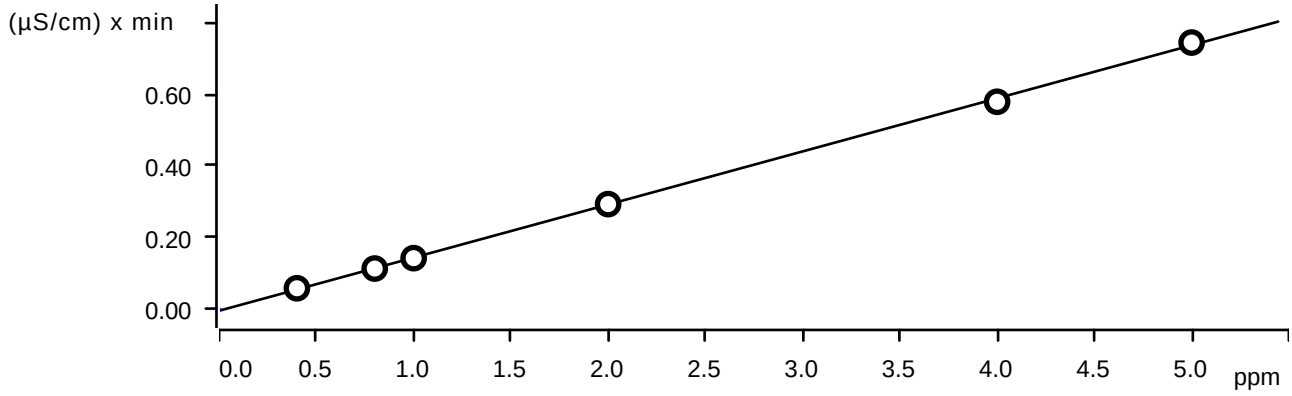
ident	True Value F-	True Value CL-	True Value NO2	True Value BR-	True Value NO3	True Value HPO4	True Value SO4
STD1	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
STD2	0.4000	0.6000	0.6000	2.0000	0.5000	1.0000	3.0000
STD3	0.8000	1.2000	1.2000	4.0000	1.0000	2.0000	6.0000
STD4	1.0000	1.5000	1.5000	5.0000	1.2500	2.5000	7.5000
STD5	2.0000	3.0000	3.0000	10.0000	2.5000	5.0000	15.0000
STD6	4.0000	6.0000	6.0000	20.0000	5.0000	10.0000	30.0000
STD7	5.0000	7.5000	7.5000	25.0000	6.2500	12.5000	37.0000

ident	Relative Error F-	Relative Error CL-	Relative Error NO2	Relative Error BR-	Relative Error NO3	Relative Error HPO4	Relative Error SO4
STD1							
STD2	5.7500	6.8333	5.3333	4.5500	5.8000	6.3000	7.9000
STD3	-0.7500	-0.9167	-0.2500	-0.4000	-0.3000	0.3000	0.1667
STD4	-1.0000	-1.6667	-1.8000	-1.6000	-1.7600	-1.5600	-1.7200
STD5	0.4000	0.4000	0.9000	1.0500	0.5600	-0.4400	0.3133
STD6	-1.6250	-1.3167	-1.7667	-1.7100	-1.5200	-0.9500	-2.6567
STD7	1.0000	0.8133	1.0267	0.9720	0.9280	0.6960	1.7108

Reviewed By:Iwona
On:9/16/2025 9:27:21 AM
Inst Id :IC-1
LB :LB137171

Reviewed By:Iwon
On:9/16/2025 9:27 AM
Inst Id :IC-1
LB :LB137171

Fluoride (Anions)



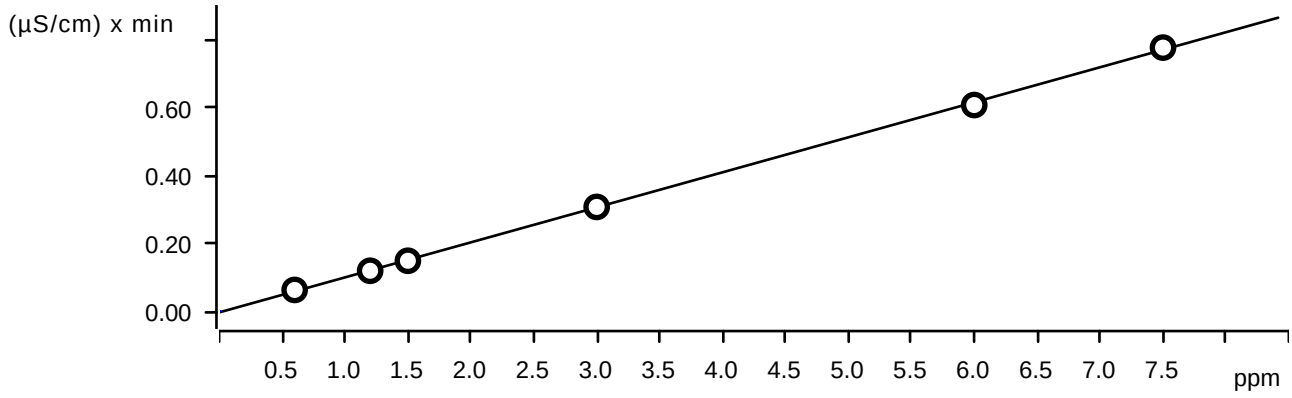
Function: . . . . . *A = - 3.91674E-3 + 0.0148053× Q*

Relative standard deviation . . . . . *1.985504 %*

Correlation coefficient *0.999790*

Sample type	Index	Conc.	Volume	Dilution	Sample amount	Area	Ident	Date	Used
Standard 1	1	0.000	10.0	1.0	1.0	n. d.	STD1	2025-09-09 10:21:26 UTC-4	used
Standard 2	1	0.400	10.0	1.0	1.0	0.059	STD2	2025-09-09 10:42:49 UTC-4	used
Standard 3	1	0.800	10.0	1.0	1.0	0.114	STD3	2025-09-09 11:25:44 UTC-4	used
Standard 4	1	1.000	10.0	1.0	1.0	0.143	STD4	2025-09-09 11:47:10 UTC-4	used
Standard 5	1	2.000	10.0	1.0	1.0	0.293	STD5	2025-09-09 13:36:36 UTC-4	used
Standard 6	1	4.000	10.0	1.0	1.0	0.579	STD6	2025-09-09 13:58:07 UTC-4	used
Standard 7	1	5.000	10.0	1.0	1.0	0.744	STD7	2025-09-09 14:41:06 UTC-4	used

Chloride (Anions)



Function: . . . . . *A = - 2.97735E-3 + 0.0103068× Q*

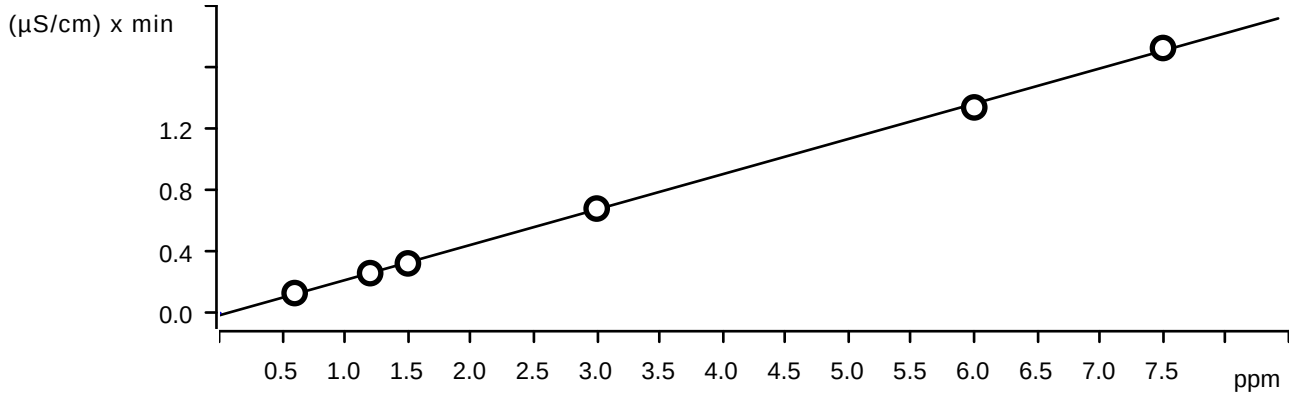
Reviewed By:Iwon
On:9/16/2025 9:27 AM
Inst Id :IC-1
LB :LB137171

Relative standard deviation . . . . . *1.712968 %*

Correlation coefficient *0.999843*

Sample type	Index	Conc.	Volume	Dilution	Sample amount	Area	Ident	Date	Used
Standard 1	1	0.000	10.0	1.0	1.0	n. d.	STD1	2025-09-09 10:21:26 UTC-4	used
Standard 2	1	0.600	10.0	1.0	1.0	0.063	STD2	2025-09-09 10:42:49 UTC-4	used
Standard 3	1	1.200	10.0	1.0	1.0	0.120	STD3	2025-09-09 11:25:44 UTC-4	used
Standard 4	1	1.500	10.0	1.0	1.0	0.149	STD4	2025-09-09 11:47:10 UTC-4	used
Standard 5	1	3.000	10.0	1.0	1.0	0.307	STD5	2025-09-09 13:36:36 UTC-4	used
Standard 6	1	6.000	10.0	1.0	1.0	0.607	STD6	2025-09-09 13:58:07 UTC-4	used
Standard 7	1	7.500	10.0	1.0	1.0	0.776	STD7	2025-09-09 14:41:06 UTC-4	used

Nitrite (Anions)



Function: . . . . . *A = - 0.0143669 + 0.0229543× Q*

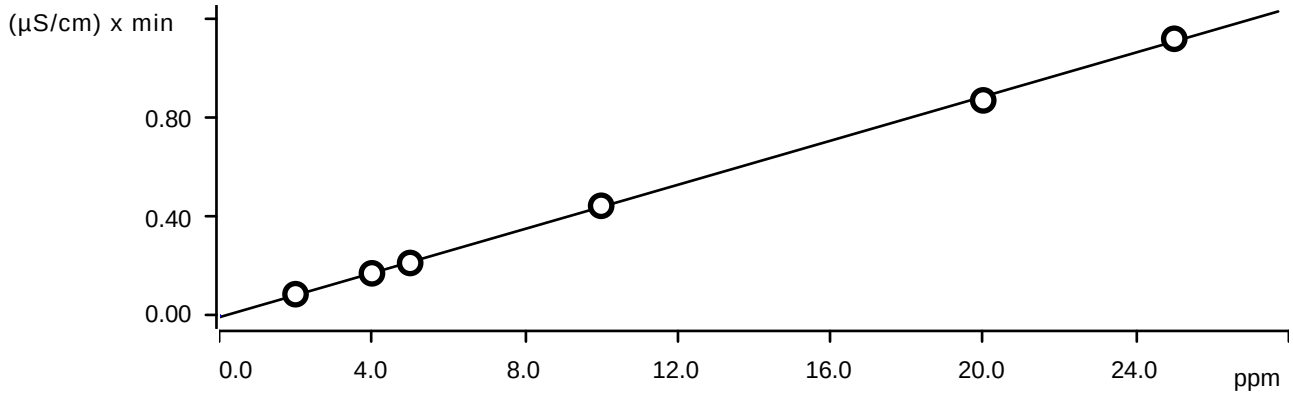
Relative standard deviation . . . . . *2.170764 %*

Correlation coefficient *0.999753*

Sample type	Index	Conc.	Volume	Dilution	Sample amount	Area	Ident	Date	Used
Standard 1	1	0.000	10.0	1.0	1.0	n. d.	STD1	2025-09-09 10:21:26 UTC-4	used
Standard 2	1	0.600	10.0	1.0	1.0	0.131	STD2	2025-09-09 10:42:49 UTC-4	used
Standard 3	1	1.200	10.0	1.0	1.0	0.260	STD3	2025-09-09 11:25:44 UTC-4	used
Standard 4	1	1.500	10.0	1.0	1.0	0.324	STD4	2025-09-09 11:47:10 UTC-4	used
Standard 5	1	3.000	10.0	1.0	1.0	0.681	STD5	2025-09-09 13:36:36 UTC-4	used
Standard 6	1	6.000	10.0	1.0	1.0	1.339	STD6	2025-09-09 13:58:07 UTC-4	used
Standard 7	1	7.500	10.0	1.0	1.0	1.725	STD7	2025-09-09 14:41:06 UTC-4	used

Reviewed By:Iwon
On:9/16/2025 9:27 AM
Inst Id :IC-1
LB :LB137171

Bromide (Anions)



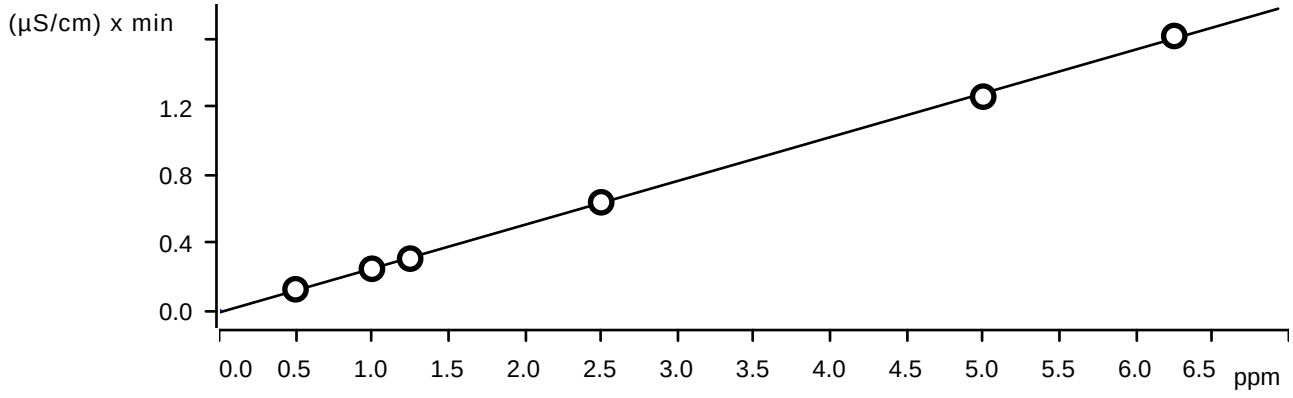
Function: . . . . . *A = - 5.68247E-3 + 4.44287E-3× Q*

Relative standard deviation . . . . . *2.066849 %*

Correlation coefficient *0.999773*

Sample type	Index	Conc.	Volume	Dilution	Sample amount	Area	Ident	Date	Used
Standard 1	1	0.000	10.0	1.0	1.0	n. d.	STD1	2025-09-09 10:21:26 UTC-4	used
Standard 2	1	2.000	10.0	1.0	1.0	0.087	STD2	2025-09-09 10:42:49 UTC-4	used
Standard 3	1	4.000	10.0	1.0	1.0	0.171	STD3	2025-09-09 11:25:44 UTC-4	used
Standard 4	1	5.000	10.0	1.0	1.0	0.213	STD4	2025-09-09 11:47:10 UTC-4	used
Standard 5	1	10.000	10.0	1.0	1.0	0.443	STD5	2025-09-09 13:36:36 UTC-4	used
Standard 6	1	20.000	10.0	1.0	1.0	0.868	STD6	2025-09-09 13:58:07 UTC-4	used
Standard 7	1	25.000	10.0	1.0	1.0	1.116	STD7	2025-09-09 14:41:06 UTC-4	used

Nitrate (Anions)



Function: . . . . . *A = - 0.0122982 + 0.0258010× Q*

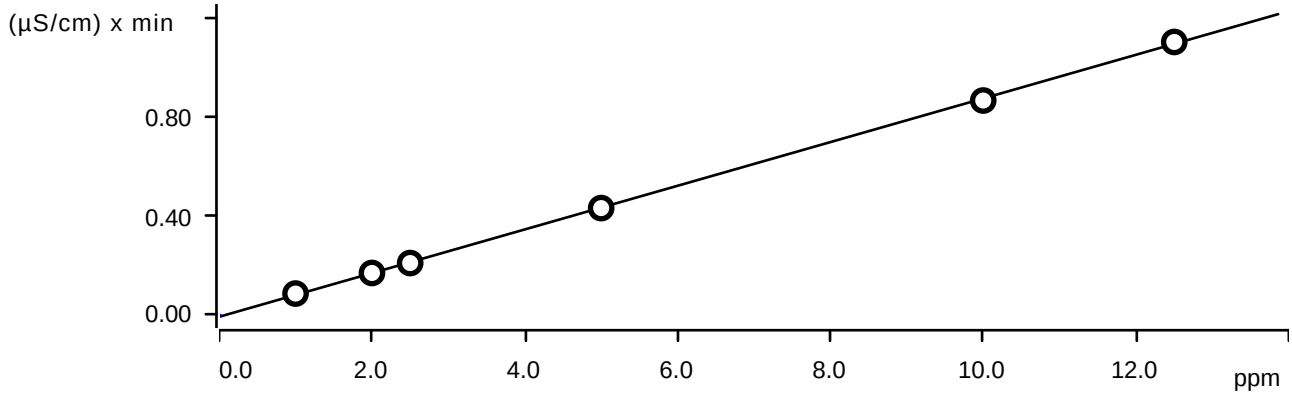
Relative standard deviation . . . . . *1.914251 %*

Reviewed By:Iwon
On:9/16/2025 9:27 AM
Inst Id :IC-1
LB :LB137171

Correlation coefficient *0.999807*

Sample type	Index	Conc.	Volume	Dilution	Sample amount	Area	Ident	Date	Used
Standard 1	1	0.000	10.0	1.0	1.0	n. d.	STD1	2025-09-09 10:21:26 UTC-4	used
Standard 2	1	0.500	10.0	1.0	1.0	0.124	STD2	2025-09-09 10:42:49 UTC-4	used
Standard 3	1	1.000	10.0	1.0	1.0	0.245	STD3	2025-09-09 11:25:44 UTC-4	used
Standard 4	1	1.250	10.0	1.0	1.0	0.305	STD4	2025-09-09 11:47:10 UTC-4	used
Standard 5	1	2.500	10.0	1.0	1.0	0.636	STD5	2025-09-09 13:36:36 UTC-4	used
Standard 6	1	5.000	10.0	1.0	1.0	1.258	STD6	2025-09-09 13:58:07 UTC-4	used
Standard 7	1	6.250	10.0	1.0	1.0	1.615	STD7	2025-09-09 14:41:06 UTC-4	used

Phosphate (Anions)



Function: . . . . . *A = - 6.72192E-3 + 8.79335E-3× Q*

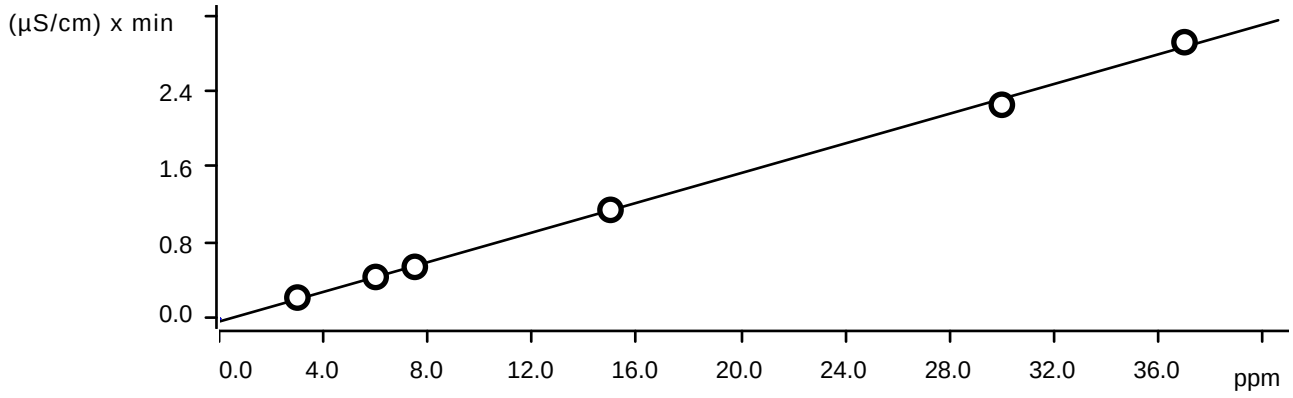
Relative standard deviation . . . . . *1.384046 %*

Correlation coefficient *0.999898*

Sample type	Index	Conc.	Volume	Dilution	Sample amount	Area	Ident	Date	Used
Standard 1	1	0.000	10.0	1.0	1.0	n. d.	STD1	2025-09-09 10:21:26 UTC-4	used
Standard 2	1	1.000	10.0	1.0	1.0	0.087	STD2	2025-09-09 10:42:49 UTC-4	used
Standard 3	1	2.000	10.0	1.0	1.0	0.170	STD3	2025-09-09 11:25:44 UTC-4	used
Standard 4	1	2.500	10.0	1.0	1.0	0.210	STD4	2025-09-09 11:47:10 UTC-4	used
Standard 5	1	5.000	10.0	1.0	1.0	0.431	STD5	2025-09-09 13:36:36 UTC-4	used
Standard 6	1	10.000	10.0	1.0	1.0	0.864	STD6	2025-09-09 13:58:07 UTC-4	used
Standard 7	1	12.500	10.0	1.0	1.0	1.100	STD7	2025-09-09 14:41:06 UTC-4	used

Reviewed By:Iwon
On:9/16/2025 9:27 AM
Inst Id :IC-1
LB :LB137171

Sulfate (Anions)



Function: . . . . . *A = - 0.0295615 + 7.81954E-3× Q*

Relative standard deviation . . . . . *3.285067 %*

Correlation coefficient *0.999433*

Sample type	Index	Conc.	Volume	Dilution	Sample amount	Area	Ident	Date	Used
Standard 1	1	0.000	10.0	1.0	1.0	n. d.	STD1	2025-09-09 10:21:26 UTC-4	used
Standard 2	1	3.000	10.0	1.0	1.0	0.224	STD2	2025-09-09 10:42:49 UTC-4	used
Standard 3	1	6.000	10.0	1.0	1.0	0.440	STD3	2025-09-09 11:25:44 UTC-4	used
Standard 4	1	7.500	10.0	1.0	1.0	0.547	STD4	2025-09-09 11:47:10 UTC-4	used
Standard 5	1	15.000	10.0	1.0	1.0	1.147	STD5	2025-09-09 13:36:36 UTC-4	used
Standard 6	1	30.000	10.0	1.0	1.0	2.254	STD6	2025-09-09 13:58:07 UTC-4	used
Standard 7	1	37.000	10.0	1.0	1.0	2.913	STD7	2025-09-09 14:41:06 UTC-4	used

Reviewed By:Iwon
On:9/16/2025 9:27 AM
Inst Id :IC-1
LB :LB137171

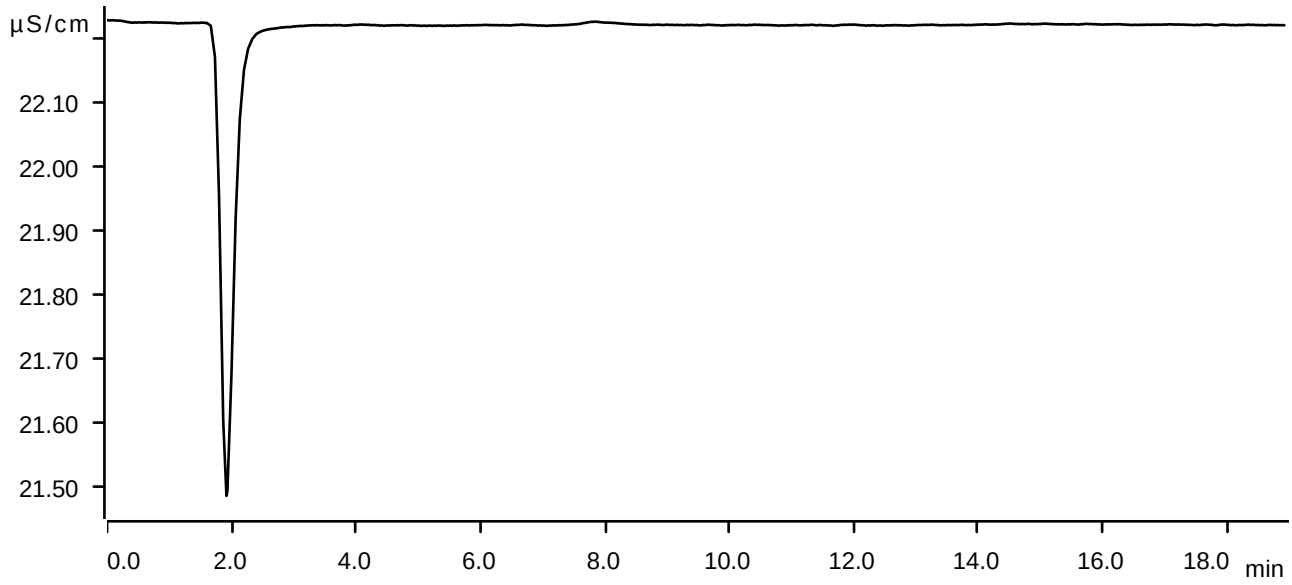
Sample data

Ident	STD1	
Sample type	Standard 1	
Determination start	2025-09-09 10:21:26 UTC-4	
Method	IC1-090925	
Operator		

Anions

Data source	Conductivity detector 1 (Eco IC 1)	
Channel	Conductivity	
Recording time	19.0	min
Integration	Automatically	
Column type	Metrosep A Supp 19 - 150/4.0	
Eluent composition	not defined	
Flow	0.700	mL/min
Maximum flow monitored	yes	
Pressure	13.06	MPa
Maximum pressure monitored	yes	
Temperature	-----	°C

Anions



Reviewed By:Iwon
On:9/16/2025 9:27 AM
Inst Id :IC-1
LB :LB137171

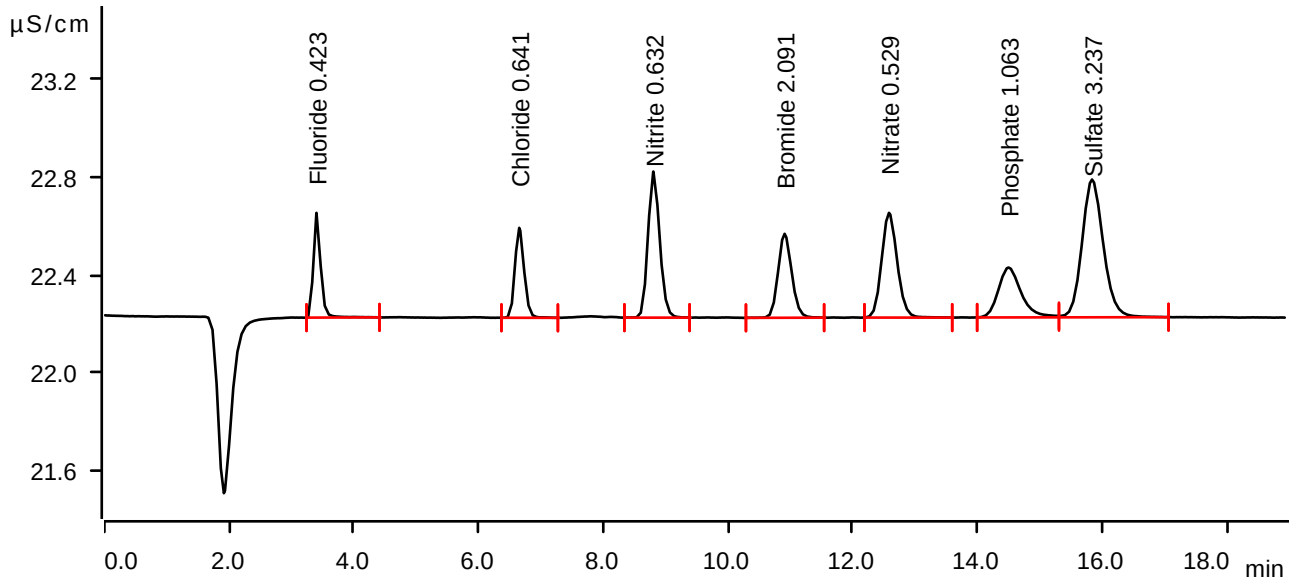
Sample data

Ident	STD2
Sample type	Standard 2
Determination start	2025-09-09 10:42:49 UTC-4
Method	IC1-090925
Operator	

Anions

Data source	Conductivity detector 1 (Eco IC 1)	
Channel	Conductivity	
Recording time	19.0	min
Integration	Automatically	
Column type	Metrosep A Supp 19 - 150/4.0	
Eluent composition	not defined	
Flow	0.700	mL/min
Maximum flow monitored	yes	
Pressure	12.84	MPa
Maximum pressure monitored	yes	
Temperature	-----	°C

Anions



Peak number	Retention time min	Area (µS/cm) x min	Height µS/cm	Concentration ppm	Component name
1	3.400	0.0587	0.429	0.423	Fluoride
2	6.652	0.0631	0.369	0.641	Chloride
3	8.803	0.1306	0.599	0.632	Nitrite
4	10.907	0.0872	0.344	2.091	Bromide
5	12.580	0.1242	0.430	0.529	Nitrate
6	14.497	0.0867	0.205	1.063	Phosphate
7	15.835	0.2236	0.565	3.237	Sulfate

Reviewed By:Iwon
On:9/16/2025 9:27 AM
Inst Id :IC-1
LB :LB137171

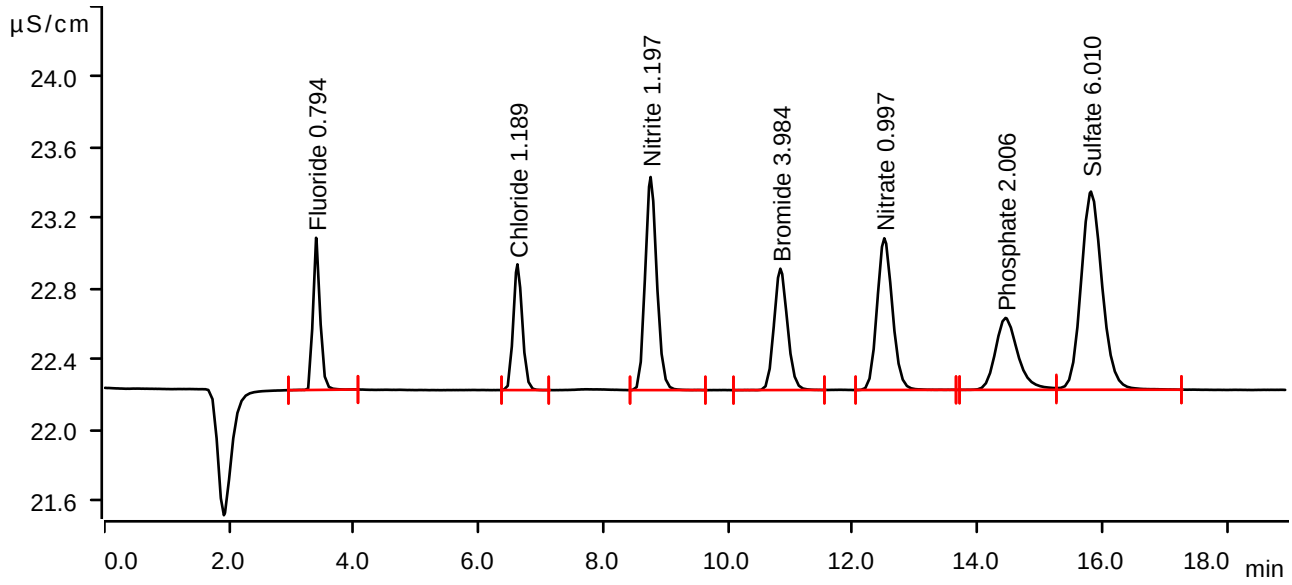
Sample data

Ident	STD3
Sample type	Standard 3
Determination start	2025-09-09 11:25:44 UTC-4
Method	IC1-090925
Operator	

Anions

Data source	Conductivity detector 1 (Eco IC 1)	
Channel	Conductivity	
Recording time	19.0	min
Integration	Automatically	
Column type	Metrosep A Supp 19 - 150/4.0	
Eluent composition	not defined	
Flow	0.700	mL/min
Maximum flow monitored	yes	
Pressure	12.67	MPa
Maximum pressure monitored	yes	
Temperature	-----	°C

Anions



Peak number	Retention time min	Area (µS/cm) x min	Height µS/cm	Concentration ppm	Component name
1	3.395	0.1137	0.861	0.794	Fluoride
2	6.623	0.1196	0.712	1.189	Chloride
3	8.758	0.2603	1.206	1.197	Nitrite
4	10.838	0.1713	0.687	3.984	Bromide
5	12.505	0.2450	0.859	0.997	Nitrate
6	14.448	0.1697	0.407	2.006	Phosphate
7	15.818	0.4404	1.122	6.010	Sulfate

Reviewed By:Iwon
On:9/16/2025 9:27 AM
Inst Id :IC-1
LB :LB137171

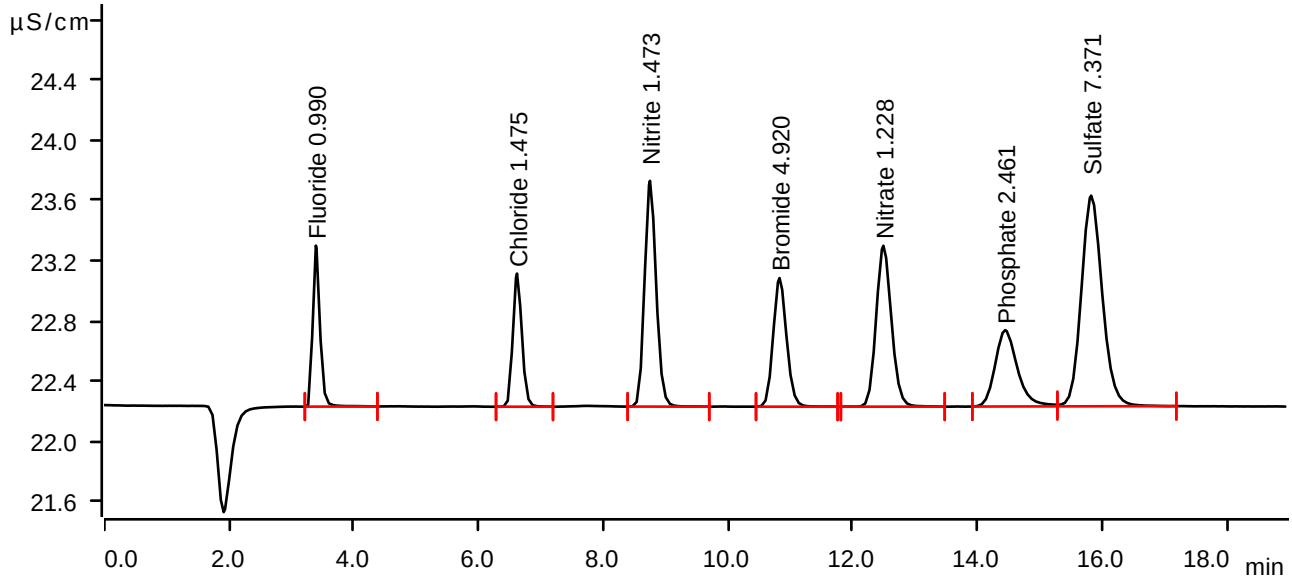
Sample data

Ident	STD4
Sample type	Standard 4
Determination start	2025-09-09 11:47:10 UTC-4
Method	IC1-090925
Operator	

Anions

Data source	Conductivity detector 1 (Eco IC 1)	
Channel	Conductivity	
Recording time	19.0	min
Integration	Automatically	
Column type	Metrosep A Supp 19 - 150/4.0	
Eluent composition	not defined	
Flow	0.700	mL/min
Maximum flow monitored	yes	
Pressure	12.61	MPa
Maximum pressure monitored	yes	
Temperature	-----	°C

Anions



Peak number	Retention time min	Area (µS/cm) x min	Height µS/cm	Concentration ppm	Component name
1	3.392	0.1426	1.068	0.990	Fluoride
2	6.617	0.1490	0.884	1.475	Chloride
3	8.748	0.3238	1.499	1.473	Nitrite
4	10.825	0.2129	0.854	4.920	Bromide
5	12.490	0.3046	1.068	1.228	Nitrate
6	14.443	0.2097	0.507	2.461	Phosphate
7	15.822	0.5468	1.398	7.371	Sulfate

Reviewed By:Iwon
On:9/16/2025 9:27 AM
Inst Id :IC-1
LB :LB137171

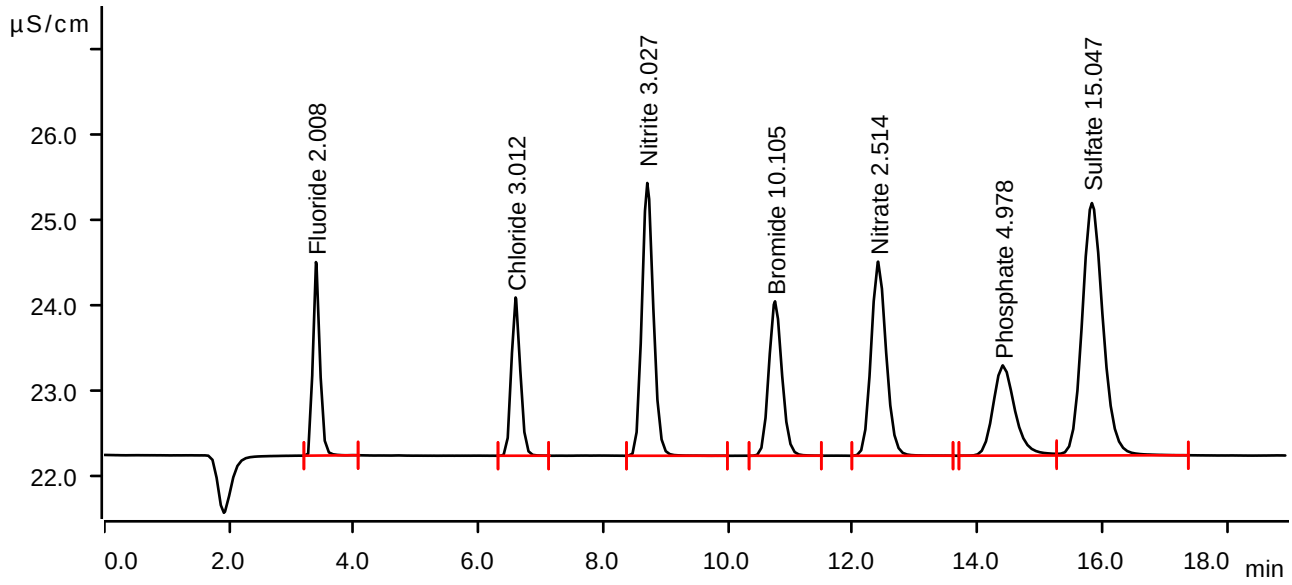
Sample data

Ident	STD5
Sample type	Standard 5
Determination start	2025-09-09 13:36:36 UTC-4
Method	IC1-090925
Operator	

Anions

Data source	Conductivity detector 1 (Eco IC 1)	
Channel	Conductivity	
Recording time	19.0	min
Integration	Automatically	
Column type	Metrosep A Supp 19 - 150/4.0	
Eluent composition	not defined	
Flow	0.700	mL/min
Maximum flow monitored	yes	
Pressure	12.50	MPa
Maximum pressure monitored	yes	
Temperature	-----	°C

Anions



Peak number	Retention time min	Area (µS/cm) x min	Height µS/cm	Concentration ppm	Component name
1	3.393	0.2933	2.266	2.008	Fluoride
2	6.593	0.3075	1.854	3.012	Chloride
3	8.705	0.6805	3.195	3.027	Nitrite
4	10.753	0.4432	1.809	10.105	Bromide
5	12.407	0.6363	2.273	2.514	Nitrate
6	14.405	0.4310	1.057	4.978	Phosphate
7	15.833	1.1470	2.956	15.047	Sulfate

Reviewed By:Iwon
On:9/16/2025 9:27 AM
Inst Id :IC-1
LB :LB137171

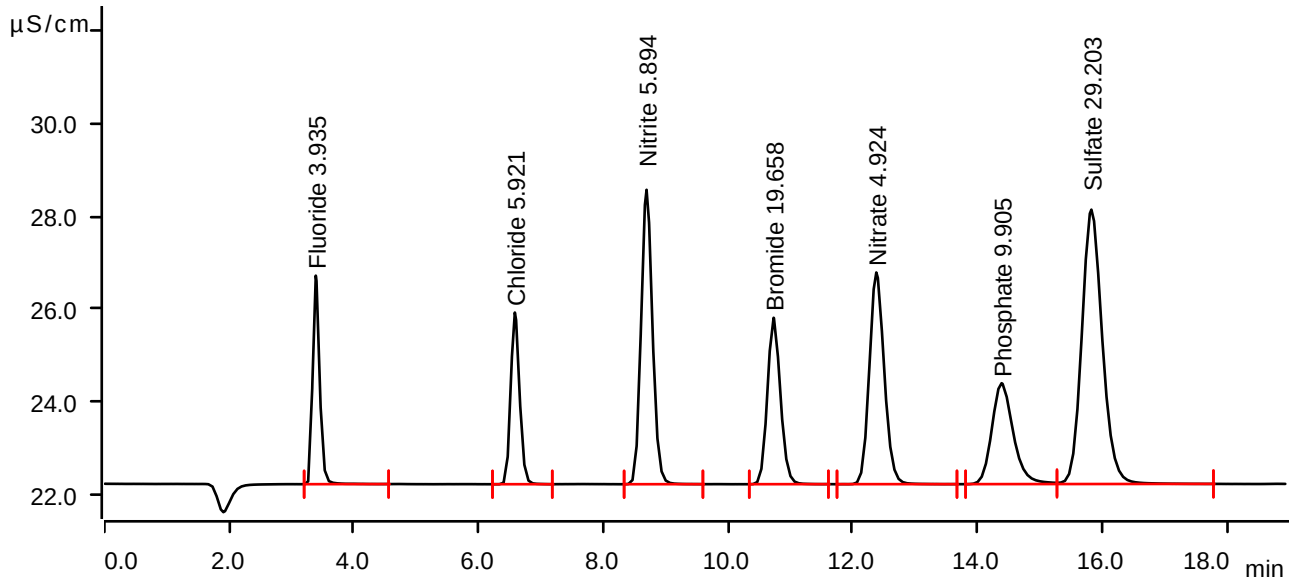
Sample data

Ident	STD6
Sample type	Standard 6
Determination start	2025-09-09 13:58:07 UTC-4
Method	IC1-090925
Operator	

Anions

Data source	Conductivity detector 1 (Eco IC 1)	
Channel	Conductivity	
Recording time	19.0	min
Integration	Automatically	
Column type	Metrosep A Supp 19 - 150/4.0	
Eluent composition	not defined	
Flow	0.700	mL/min
Maximum flow monitored	yes	
Pressure	12.44	MPa
Maximum pressure monitored	yes	
Temperature	-----	°C

Anions



Peak number	Retention time min	Area (µS/cm) x min	Height µS/cm	Concentration ppm	Component name
1	3.390	0.5787	4.477	3.935	Fluoride
2	6.582	0.6073	3.687	5.921	Chloride
3	8.693	1.3385	6.323	5.894	Nitrite
4	10.730	0.8677	3.574	19.658	Bromide
5	12.377	1.2581	4.546	4.924	Nitrate
6	14.385	0.8642	2.167	9.905	Phosphate
7	15.825	2.2540	5.893	29.203	Sulfate

Reviewed By:Iwon
On:9/16/2025 9:27 AM
Inst Id :IC-1
LB :LB137171

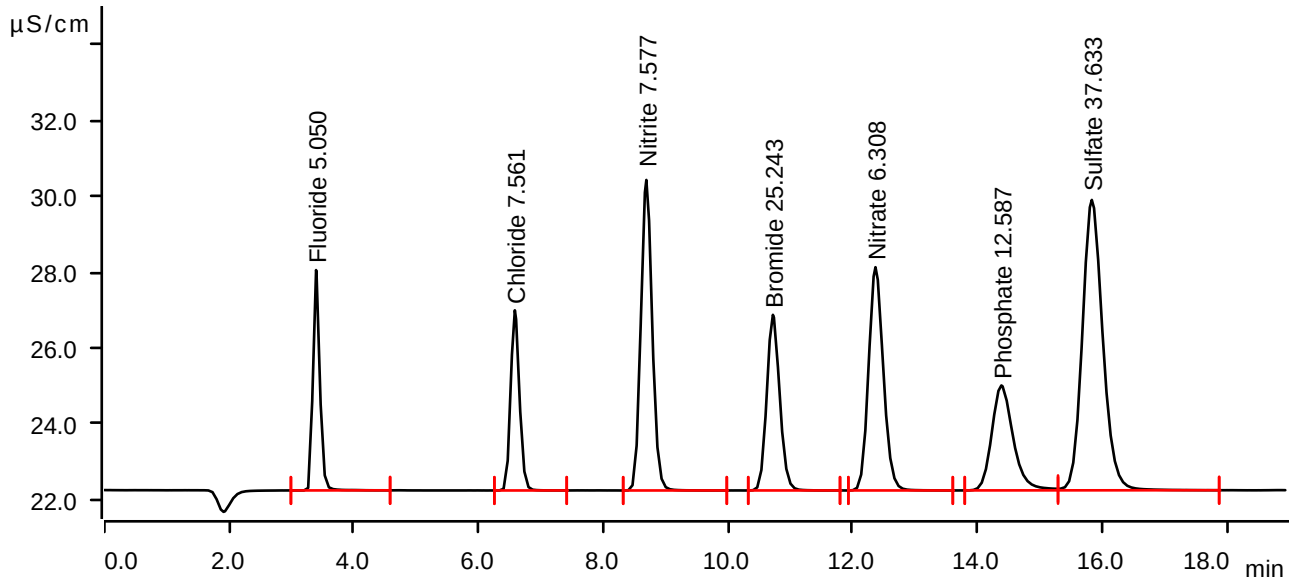
Sample data

Ident	STD7
Sample type	Standard 7
Determination start	2025-09-09 14:41:06 UTC-4
Method	IC1-090925
Operator	

Anions

Data source	Conductivity detector 1 (Eco IC 1)	
Channel	Conductivity	
Recording time	19.0	min
Integration	Automatically	
Column type	Metrosep A Supp 19 - 150/4.0	
Eluent composition	not defined	
Flow	0.700	mL/min
Maximum flow monitored	yes	
Pressure	12.39	MPa
Maximum pressure monitored	yes	
Temperature	-----	°C

Anions



Peak number	Retention time min	Area (µS/cm) x min	Height µS/cm	Concentration ppm	Component name
1	3.395	0.7438	5.806	5.050	Fluoride
2	6.582	0.7764	4.748	7.561	Chloride
3	8.690	1.7250	8.184	7.577	Nitrite
4	10.718	1.1158	4.629	25.243	Bromide
5	12.363	1.6152	5.884	6.308	Nitrate
6	14.382	1.1001	2.766	12.587	Phosphate
7	15.832	2.9131	7.654	37.633	Sulfate

Reviewed By:Iwon
On:9/16/2025 9:27 AM
Inst Id :IC-1
LB :LB137171

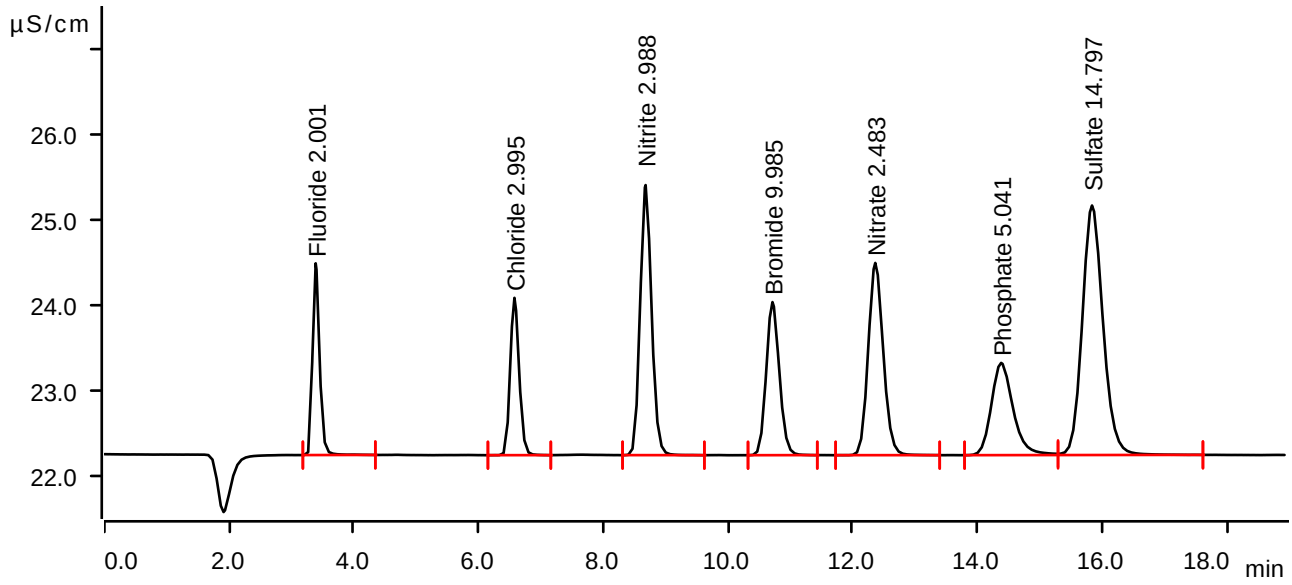
Sample data

Ident	ICV
Sample type	Check standard 1
Determination start	2025-09-09 15:02:34 UTC-4
Method	IC1-090925
Operator	

Anions

Data source	Conductivity detector 1 (Eco IC 1)	
Channel	Conductivity	
Recording time	19.0	min
Integration	Automatically	
Column type	Metrosep A Supp 19 - 150/4.0	
Eluent composition	not defined	
Flow	0.700	mL/min
Maximum flow monitored	yes	
Pressure	12.50	MPa
Maximum pressure monitored	yes	
Temperature	-----	°C

Anions



Peak number	Retention time min	Area (µS/cm) x min	Height µS/cm	Concentration ppm	Component name
1	3.388	0.2923	2.246	2.001	Fluoride
2	6.575	0.3057	1.843	2.995	Chloride
3	8.678	0.6715	3.164	2.988	Nitrite
4	10.712	0.4379	1.793	9.985	Bromide
5	12.360	0.6282	2.252	2.483	Nitrate
6	14.378	0.4365	1.080	5.041	Phosphate
7	15.835	1.1275	2.923	14.797	Sulfate

Reviewed By:Iwon
On:9/16/2025 9:27 AM
Inst Id :IC-1
LB :LB137171

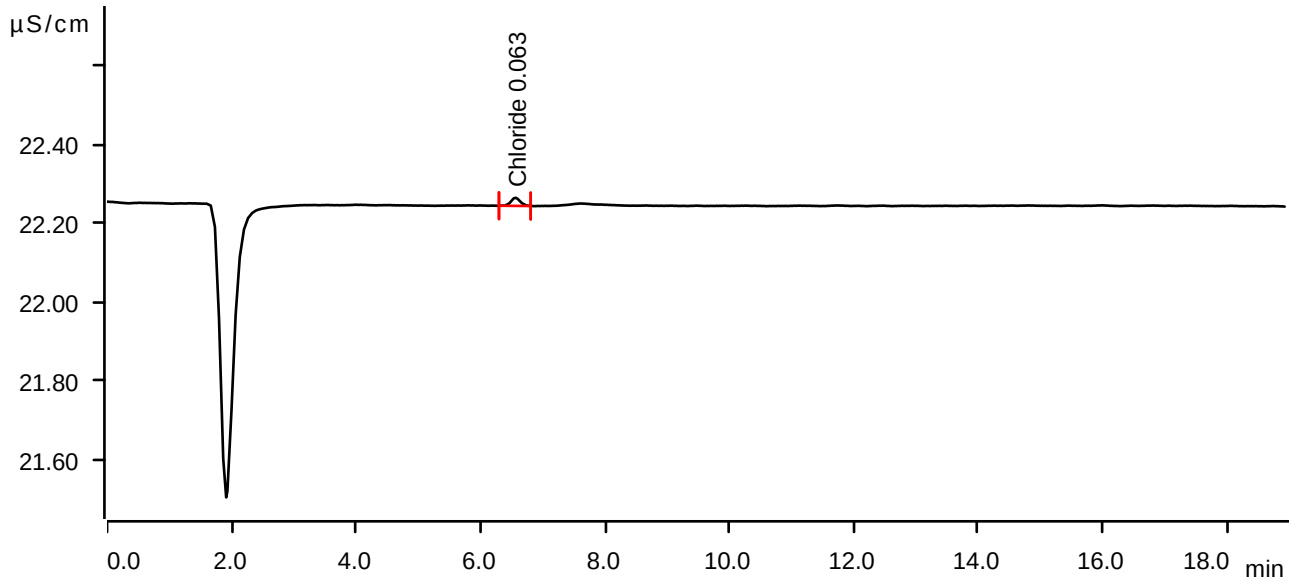
Sample data

Ident	ICB
Sample type	Sample
Determination start	2025-09-09 15:45:30 UTC-4
Method	IC1-090925
Operator	

Anions

Data source	Conductivity detector 1 (Eco IC 1)	
Channel	Conductivity	
Recording time	19.0	min
Integration	Automatically	
Column type	Metrosep A Supp 19 - 150/4.0	
Eluent composition	not defined	
Flow	0.700	mL/min
Maximum flow monitored	yes	
Pressure	12.39	MPa
Maximum pressure monitored	yes	
Temperature	-----	°C

Anions



Peak number	Retention time min	Area (µS/cm) x min	Height µS/cm	Concentration ppm	Component name
1	6.568	0.0036	0.021	0.063	Chloride

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On:9/16/2025 9:27 AM
Inst Id :IC-1
LB :LB137171

Sample data

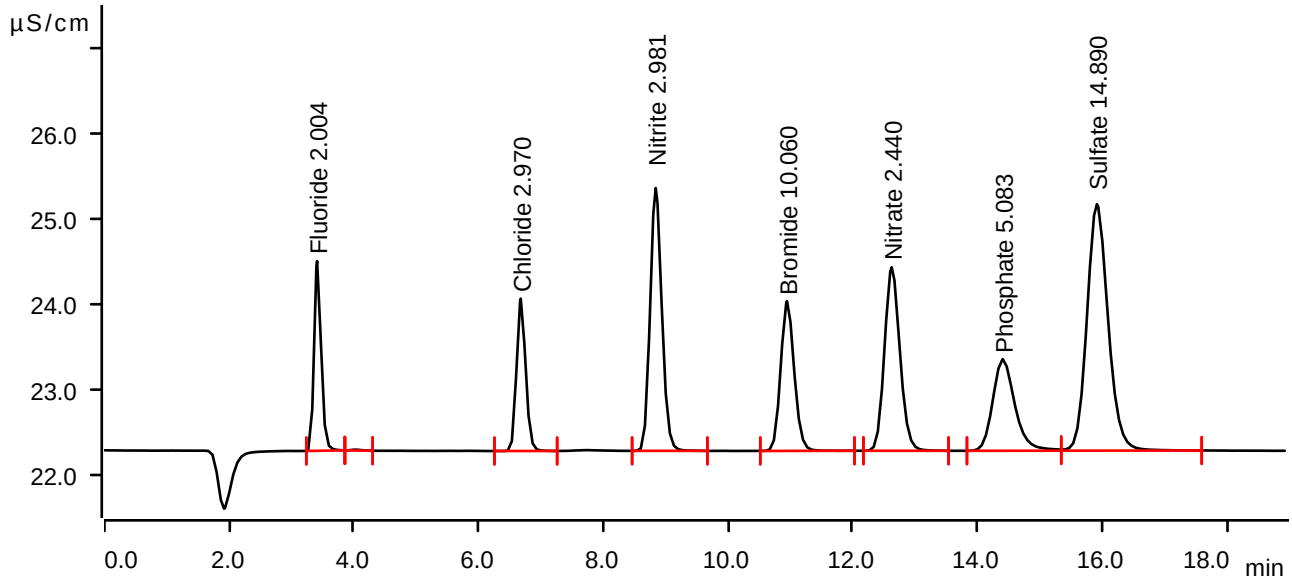
Ident	CCV
Sample type	Check standard 1
Determination start	2025-09-11 10:23:51 UTC-4
Method	IC1-090925
Operator	

Anions

Data source	Conductivity detector 1 (Eco IC 1)	
Channel	Conductivity	
Recording time	19.0	min
Integration	Automatically	
Column type	Metrosep A Supp 19 - 150/4.0	
Eluent composition	not defined	
Flow	0.700	mL/min
Maximum flow monitored	yes	
Pressure	12.84	MPa
Maximum pressure monitored	yes	
Temperature	-----	°C

Reviewed By:Iwon
On:9/16/2025 9:27 AM
Inst Id :IC-1
LB :LB137171

Anions



Peak number	Retention time min	Area (µS/cm) x min	Height µS/cm	Concentration ppm	Component name
1	3.412	0.2928	2.222	2.004	Fluoride
2	4.022	0.0019	0.010	invalid	
3	6.677	0.3031	1.784	2.970	Chloride
4	8.840	0.6700	3.079	2.981	Nitrite
5	10.945	0.4413	1.754	10.060	Bromide
6	12.623	0.6173	2.149	2.440	Nitrate
7	14.405	0.4403	1.073	5.083	Phosphate
8	15.913	1.1347	2.887	14.890	Sulfate

Reviewed By:Iwon
On:9/16/2025 9:27 AM
Inst Id :IC-1
LB :LB137171

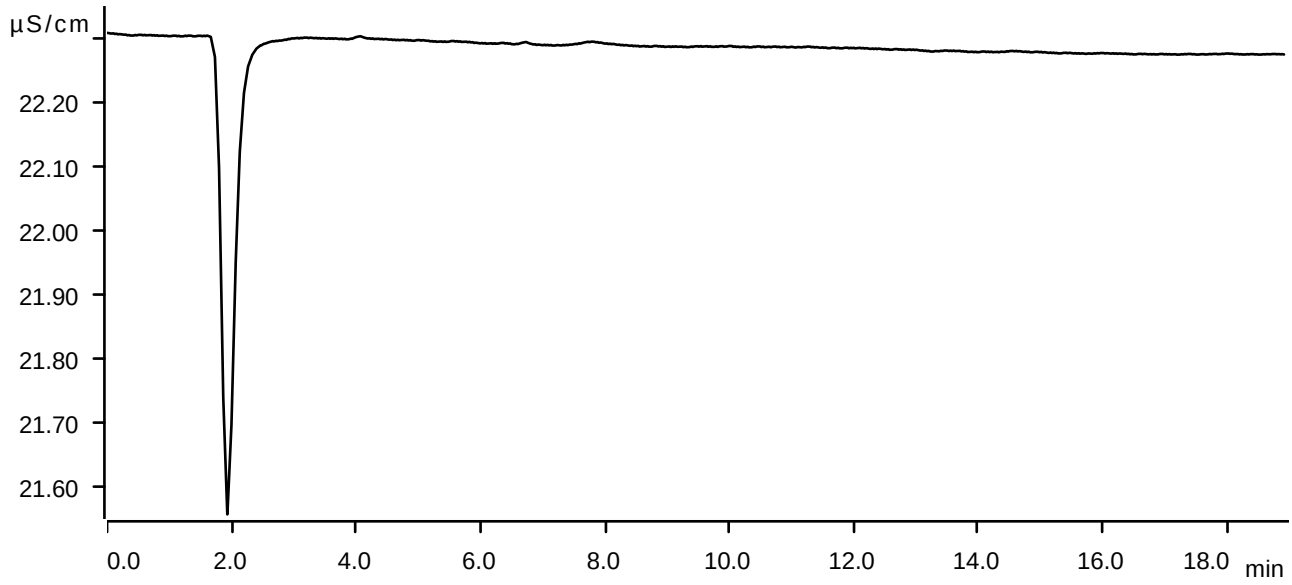
Sample data

Ident	CCB
Sample type	Sample
Determination start	2025-09-11 10:45:22 UTC-4
Method	IC1-090925
Operator	

Anions

Data source	Conductivity detector 1 (Eco IC 1)	
Channel	Conductivity	
Recording time	19.0	min
Integration	Automatically	
Column type	Metrosep A Supp 19 - 150/4.0	
Eluent composition	not defined	
Flow	0.700	mL/min
Maximum flow monitored	yes	
Pressure	12.78	MPa
Maximum pressure monitored	yes	
Temperature	-----	°C

Anions



Reviewed By:Iwon
On:9/16/2025 9:27 AM
Inst Id :IC-1
LB :LB137171

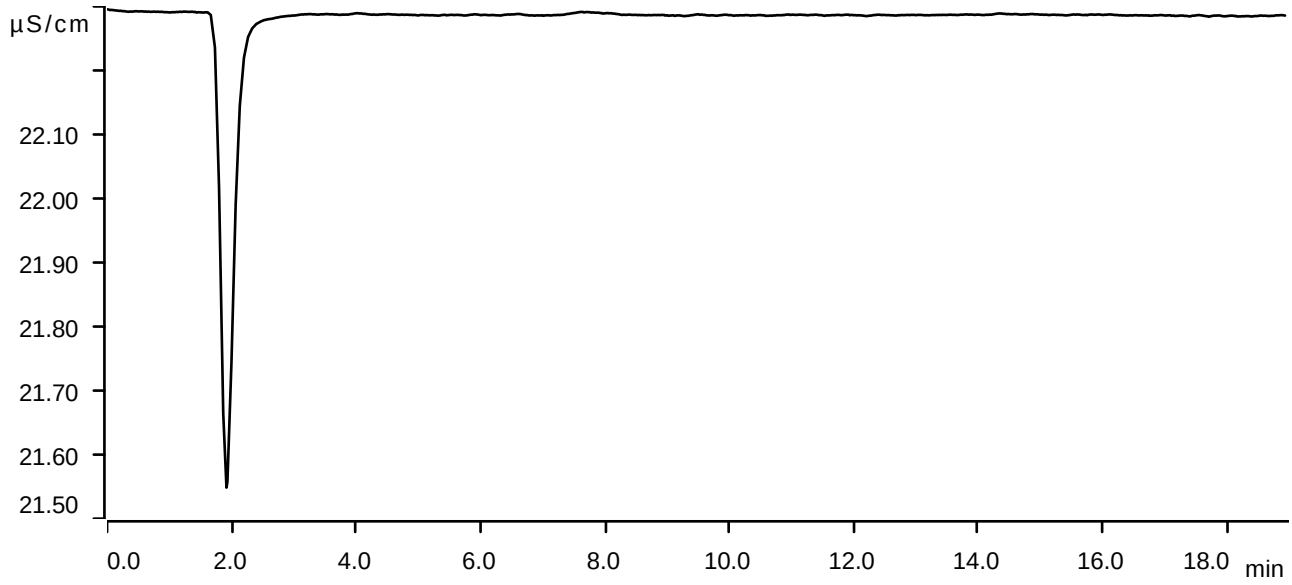
Sample data

Ident	LB137171BLW	
Sample type	Sample	
Determination start	2025-09-11 11:06:53 UTC-4	
Method	IC1-090925	
Operator		

Anions

Data source	Conductivity detector 1 (Eco IC 1)	
Channel	Conductivity	
Recording time	19.0	min
Integration	Automatically	
Column type	Metrosep A Supp 19 - 150/4.0	
Eluent composition	not defined	
Flow	0.700	mL/min
Maximum flow monitored	yes	
Pressure	12.78	MPa
Maximum pressure monitored	yes	
Temperature	-----	°C

Anions



Reviewed By:Iwon
On:9/16/2025 9:27 AM
Inst Id :IC-1
LB :LB137171

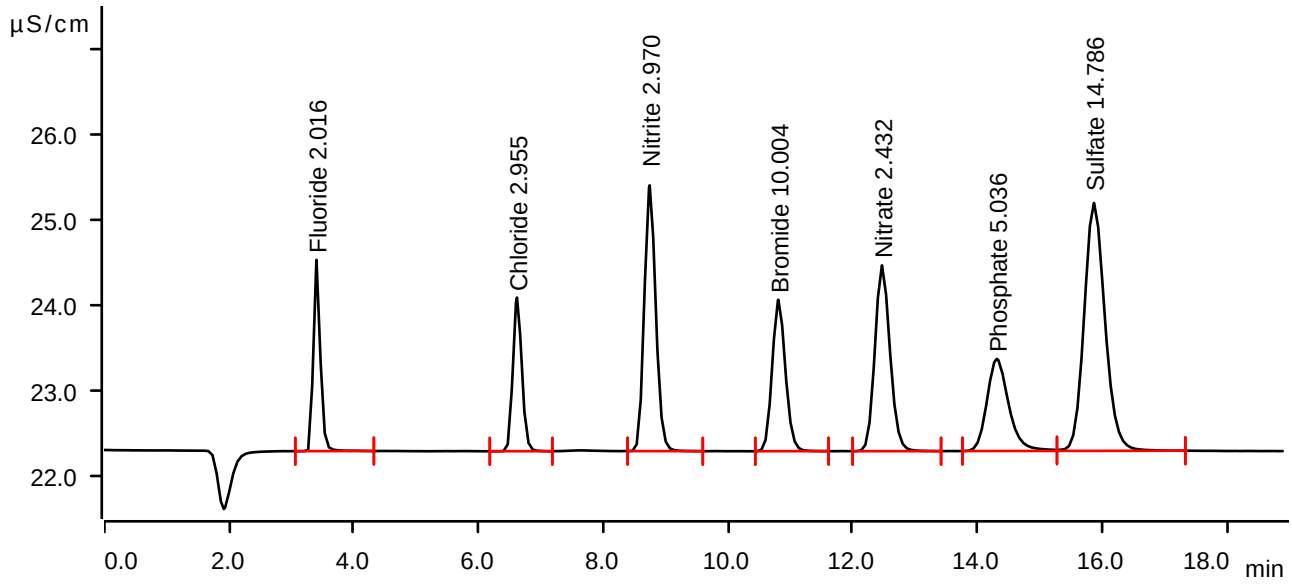
Sample data

Ident	LB137171BSW
Sample type	Check standard 1
Determination start	2025-09-11 11:28:24 UTC-4
Method	IC1-090925
Operator	

Anions

Data source	Conductivity detector 1 (Eco IC 1)	
Channel	Conductivity	
Recording time	19.0	min
Integration	Automatically	
Column type	Metrosep A Supp 19 - 150/4.0	
Eluent composition	not defined	
Flow	0.700	mL/min
Maximum flow monitored	yes	
Pressure	12.61	MPa
Maximum pressure monitored	yes	
Temperature	-----	°C

Anions



Peak number	Retention time min	Area (µS/cm) x min	Height µS/cm	Concentration ppm	Component name
1	3.400	0.2946	2.241	2.016	Fluoride
2	6.617	0.3016	1.800	2.955	Chloride
3	8.743	0.6674	3.114	2.970	Nitrite
4	10.807	0.4388	1.774	10.004	Bromide
5	12.468	0.6152	2.177	2.432	Nitrate
6	14.308	0.4362	1.079	5.036	Phosphate
7	15.865	1.1267	2.904	14.786	Sulfate

Reviewed By:Iwon
On:9/16/2025 9:27 AM
Inst Id :IC-1
LB :LB137171

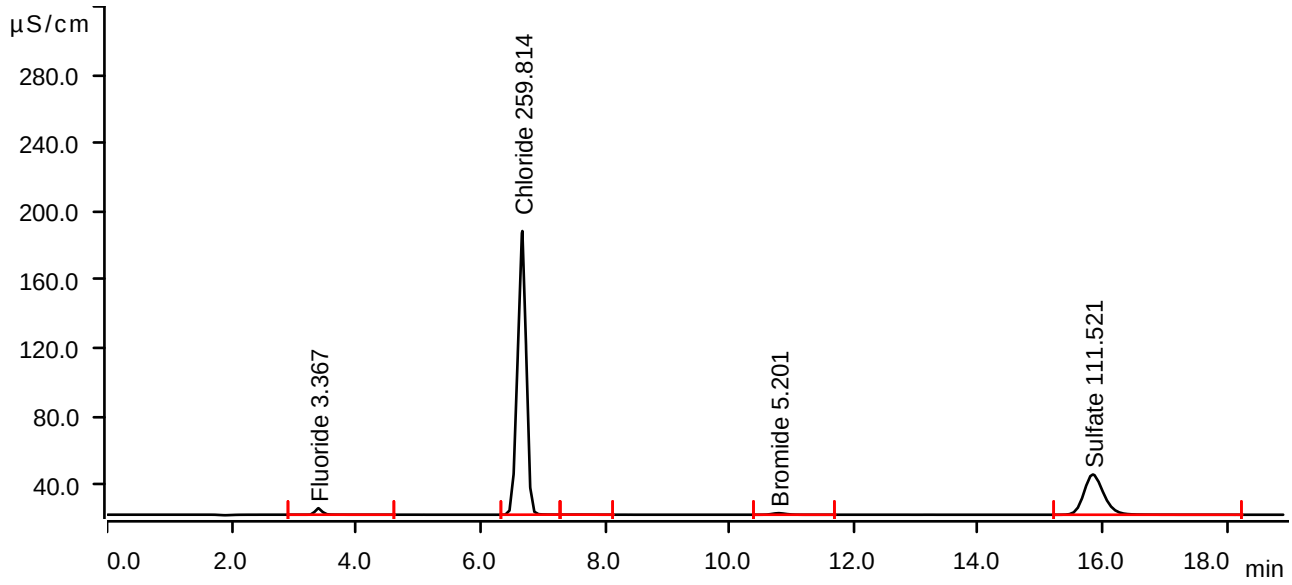
Sample data

Ident	Q3019-05
Sample type	Sample
Determination start	2025-09-11 11:49:57 UTC-4
Method	IC1-090925
Operator	

Anions

Data source	Conductivity detector 1 (Eco IC 1)	
Channel	Conductivity	
Recording time	19.0	min
Integration	Automatically	
Column type	Metrosep A Supp 19 - 150/4.0	
Eluent composition	not defined	
Flow	0.700	mL/min
Maximum flow monitored	yes	
Pressure	12.61	MPa
Maximum pressure monitored	yes	
Temperature	-----	°C

Anions



Peak number	Retention time min	Area (µS/cm) x min	Height µS/cm	Concentration ppm	Component name
1	3.393	0.4946	3.799	3.367	Fluoride
2	6.675	26.7754	166.117	259.814	Chloride
3	7.502	0.0096	0.025	invalid	
4	10.792	0.2254	0.914	5.201	Bromide
5	15.842	8.6908	23.582	111.521	Sulfate

Reviewed By:Iwon
On:9/16/2025 9:27 AM
Inst Id :IC-1
LB :LB137171

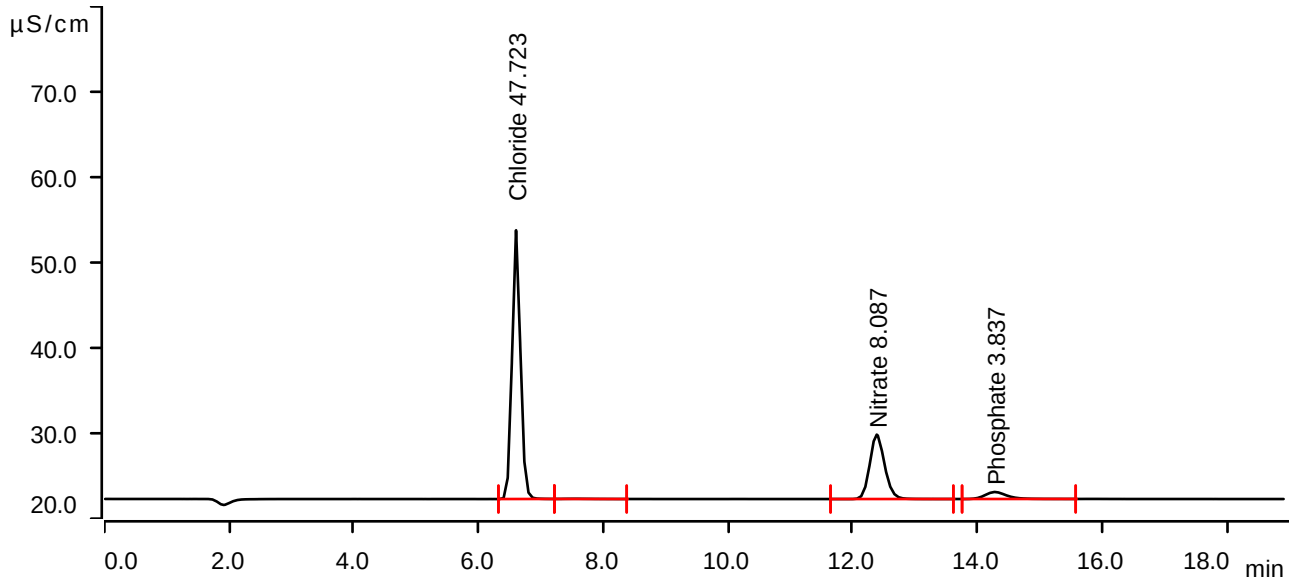
Sample data

Ident	Q3019-11
Sample type	Sample
Determination start	2025-09-11 12:33:04 UTC-4
Method	IC1-090925
Operator	

Anions

Data source	Conductivity detector 1 (Eco IC 1)	
Channel	Conductivity	
Recording time	19.0	min
Integration	Automatically	
Column type	Metrosep A Supp 19 - 150/4.0	
Eluent composition	not defined	
Flow	0.700	mL/min
Maximum flow monitored	yes	
Pressure	12.89	MPa
Maximum pressure monitored	yes	
Temperature	-----	°C

Anions



Peak number	Retention time min	Area (µS/cm) x min	Height µS/cm	Concentration ppm	Component name
1	6.602	4.9157	31.480	47.723	Chloride
2	7.552	0.0102	0.023	invalid	
3	12.383	2.0742	7.546	8.087	Nitrate
4	14.278	0.3307	0.820	3.837	Phosphate

Reviewed By:Iwon
On:9/16/2025 9:27 AM
Inst Id :IC-1
LB :LB137171

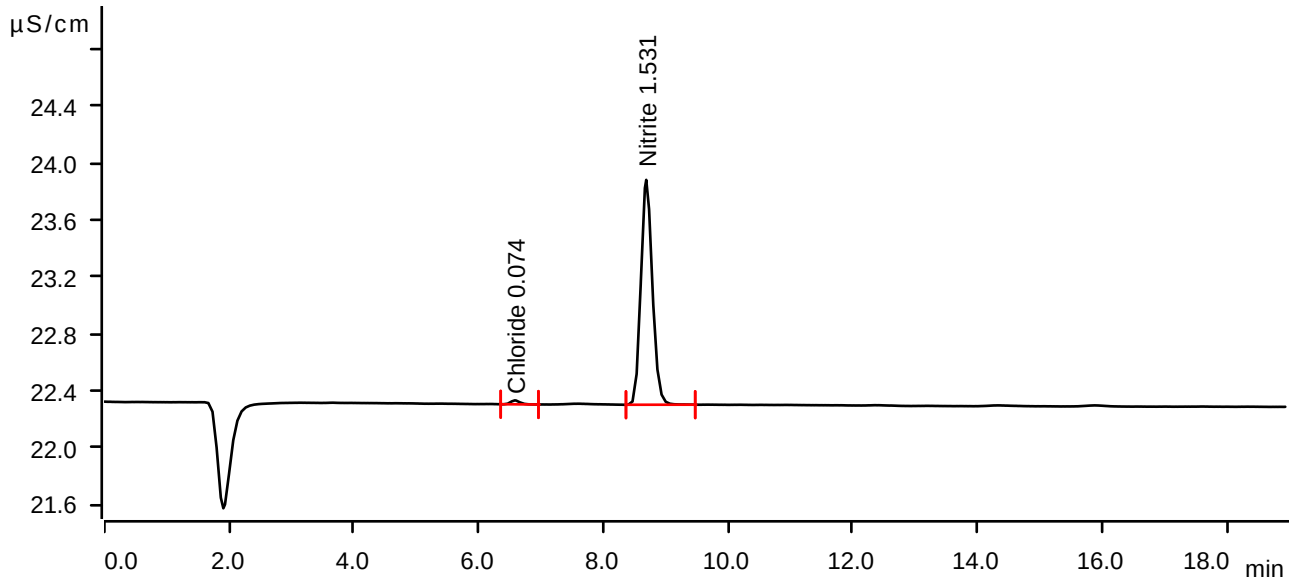
Sample data

Ident	Q3019-15	
Sample type	Sample	
Determination start	2025-09-11 12:54:38 UTC-4	
Method	IC1-090925	
Operator		

Anions

Data source	Conductivity detector 1 (Eco IC 1)	
Channel	Conductivity	
Recording time	19.0	min
Integration	Automatically	
Column type	Metrosep A Supp 19 - 150/4.0	
Eluent composition	not defined	
Flow	0.700	mL/min
Maximum flow monitored	yes	
Pressure	12.50	MPa
Maximum pressure monitored	yes	
Temperature	-----	°C

Anions



Peak number	Retention time min	Area (µS/cm) x min	Height µS/cm	Concentration ppm	Component name
1	6.582	0.0047	0.028	0.074	Chloride
2	8.688	0.3371	1.580	1.531	Nitrite

Reviewed By:Iwon
On:9/16/2025 9:27 AM
Inst Id :IC-1
LB :LB137171

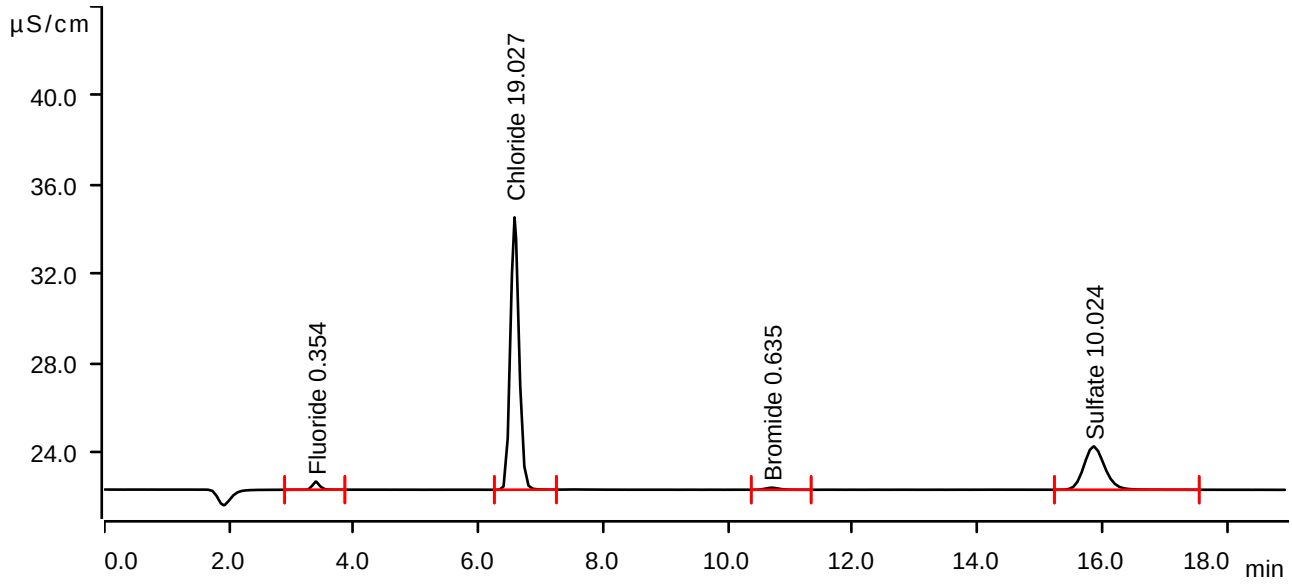
Sample data

Ident	Q3019-05DLX10
Sample type	Sample
Determination start	2025-09-11 13:16:12 UTC-4
Method	IC1-090925
Operator	

Anions

Data source	Conductivity detector 1 (Eco IC 1)	
Channel	Conductivity	
Recording time	19.0	min
Integration	Automatically	
Column type	Metrosep A Supp 19 - 150/4.0	
Eluent composition	not defined	
Flow	0.700	mL/min
Maximum flow monitored	yes	
Pressure	12.50	MPa
Maximum pressure monitored	yes	
Temperature	-----	°C

Anions



Peak number	Retention time min	Area (µS/cm) x min	Height µS/cm	Concentration ppm	Component name
1	3.388	0.0485	0.366	0.354	Fluoride
2	6.577	1.9581	12.227	19.027	Chloride
3	10.698	0.0225	0.090	0.635	Bromide
4	15.860	0.7543	1.948	10.024	Sulfate

Reviewed By:Iwon
On:9/16/2025 9:27 AM
Inst Id :IC-1
LB :LB137171

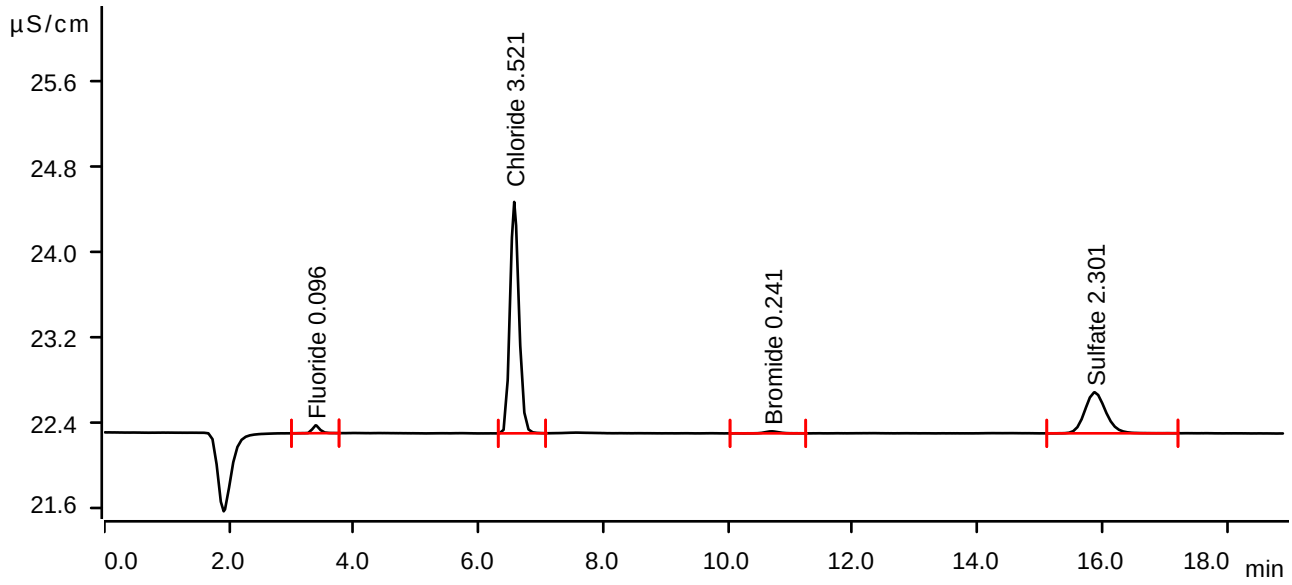
Sample data

Ident	Q3019-05DL2X50
Sample type	Sample
Determination start	2025-09-11 13:37:47 UTC-4
Method	IC1-090925
Operator	

Anions

Data source	Conductivity detector 1 (Eco IC 1)	
Channel	Conductivity	
Recording time	19.0	min
Integration	Automatically	
Column type	Metrosep A Supp 19 - 150/4.0	
Eluent composition	not defined	
Flow	0.700	mL/min
Maximum flow monitored	yes	
Pressure	13.06	MPa
Maximum pressure monitored	yes	
Temperature	-----	°C

Anions



Peak number	Retention time min	Area (µS/cm) x min	Height µS/cm	Concentration ppm	Component name
1	3.388	0.0102	0.074	0.096	Fluoride
2	6.572	0.3599	2.168	3.521	Chloride
3	10.708	0.0050	0.019	0.241	Bromide
4	15.878	0.1503	0.385	2.301	Sulfate

Reviewed By:Iwon
On:9/16/2025 9:27 AM
Inst Id :IC-1
LB :LB137171

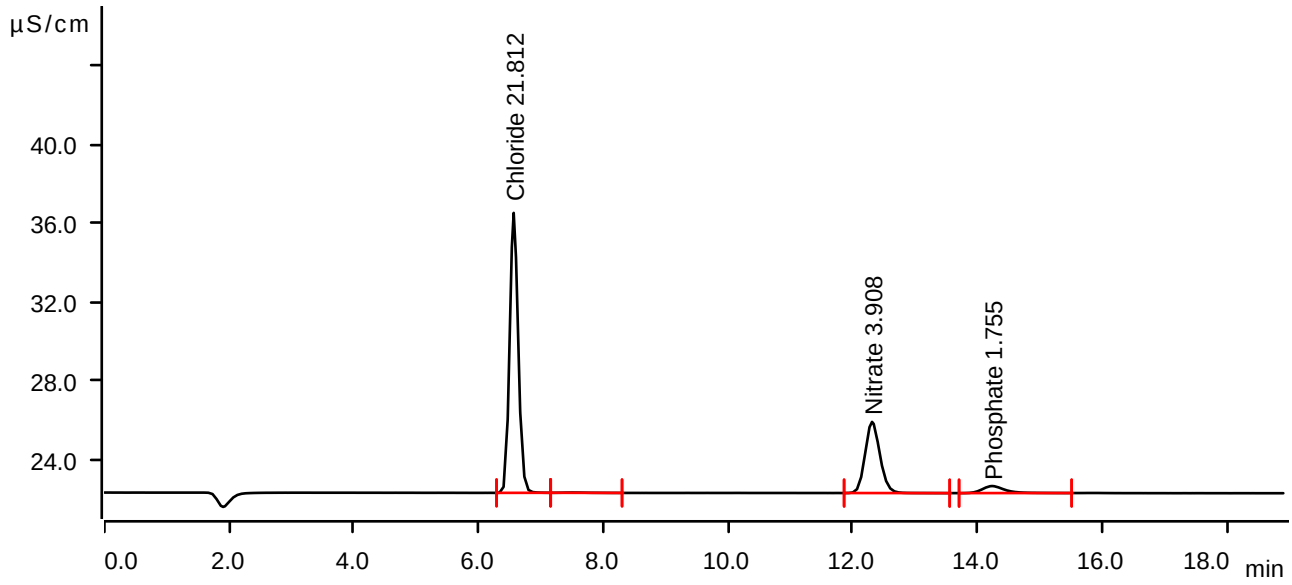
Sample data

Ident	Q3019-11DLX2
Sample type	Sample
Determination start	2025-09-11 13:59:22 UTC-4
Method	IC1-090925
Operator	

Anions

Data source	Conductivity detector 1 (Eco IC 1)	
Channel	Conductivity	
Recording time	19.0	min
Integration	Automatically	
Column type	Metrosep A Supp 19 - 150/4.0	
Eluent composition	not defined	
Flow	0.700	mL/min
Maximum flow monitored	yes	
Pressure	13.63	MPa
Maximum pressure monitored	yes	
Temperature	-----	°C

Anions



Peak number	Retention time min	Area (µS/cm) x min	Height µS/cm	Concentration ppm	Component name
1	6.563	2.2451	14.208	21.812	Chloride
2	7.515	0.0068	0.015	invalid	
3	12.308	0.9960	3.613	3.908	Nitrate
4	14.233	0.1476	0.357	1.755	Phosphate

Reviewed By:Iwon
On:9/16/2025 9:27 AM
Inst Id :IC-1
LB :LB137171

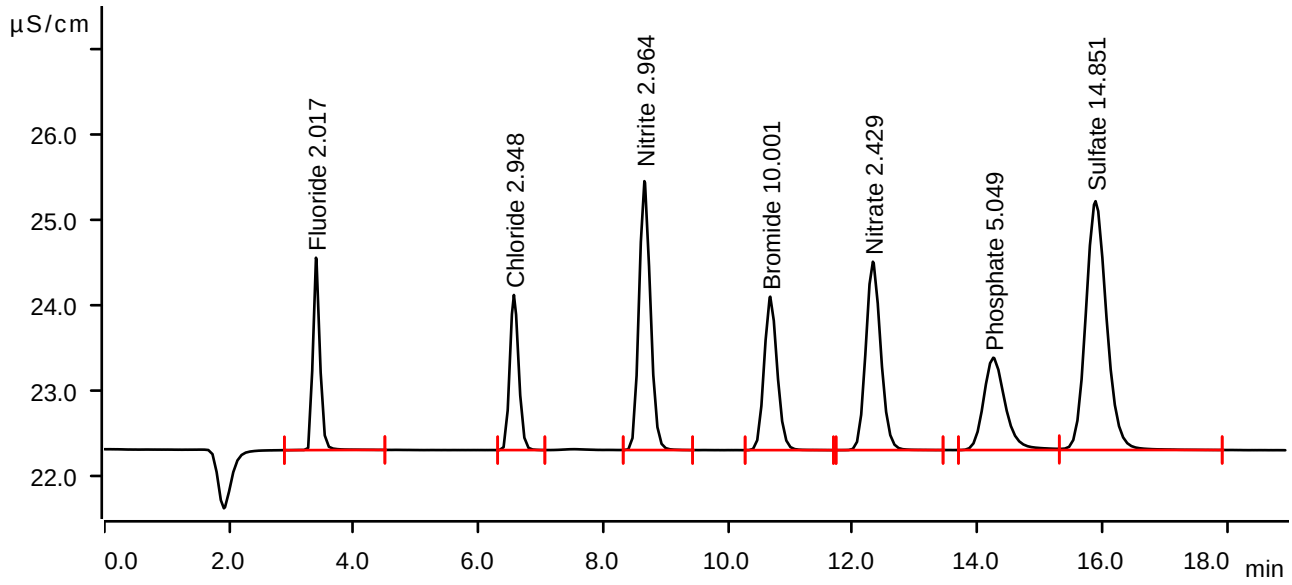
Sample data

Ident	CCV
Sample type	Check standard 1
Determination start	2025-09-11 14:20:56 UTC-4
Method	IC1-090925
Operator	

Anions

Data source	Conductivity detector 1 (Eco IC 1)	
Channel	Conductivity	
Recording time	19.0	min
Integration	Automatically	
Column type	Metrosep A Supp 19 - 150/4.0	
Eluent composition	not defined	
Flow	0.700	mL/min
Maximum flow monitored	yes	
Pressure	12.61	MPa
Maximum pressure monitored	yes	
Temperature	-----	°C

Anions



Peak number	Retention time min	Area (µS/cm) x min	Height µS/cm	Concentration ppm	Component name
1	3.393	0.2948	2.253	2.017	Fluoride
2	6.567	0.3009	1.817	2.948	Chloride
3	8.658	0.6660	3.150	2.964	Nitrite
4	10.677	0.4387	1.798	10.001	Bromide
5	12.322	0.6143	2.207	2.429	Nitrate
6	14.252	0.4372	1.081	5.049	Phosphate
7	15.892	1.1317	2.915	14.851	Sulfate

Reviewed By:Iwon
On:9/16/2025 9:27 AM
Inst Id :IC-1
LB :LB137171

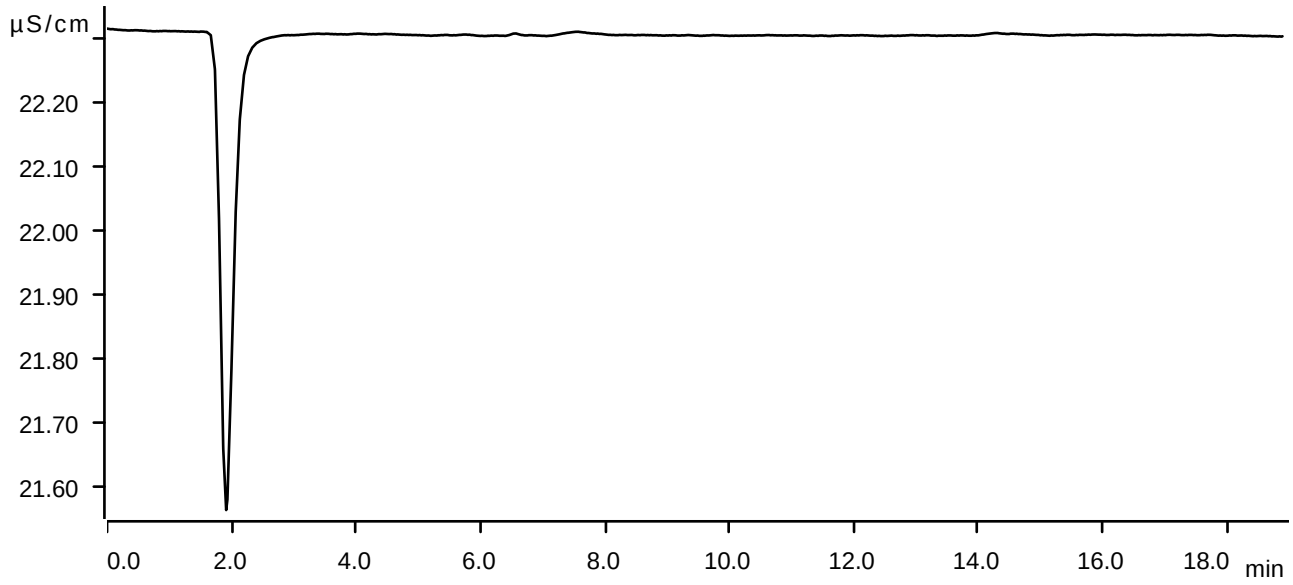
Sample data

Ident	CCB
Sample type	Sample
Determination start	2025-09-11 14:42:15 UTC-4
Method	IC1-090925
Operator	

Anions

Data source	Conductivity detector 1 (Eco IC 1)	
Channel	Conductivity	
Recording time	19.0	min
Integration	Automatically	
Column type	Metrosep A Supp 19 - 150/4.0	
Eluent composition	not defined	
Flow	0.700	mL/min
Maximum flow monitored	yes	
Pressure	12.73	MPa
Maximum pressure monitored	yes	
Temperature	-----	°C

Anions



LB137171
LB137172

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Anions-091125 **WorkList ID :** 191821 **Department :** Wet-Chemistry **Date :** 09-11-2025 10:21:26

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3019-05	WP0925-PT-MIN1-WP	Water	Anions Group1	Cool 4 deg C	ALLI03	QA Of	09/02/2025	300.0
Q3019-06	WP0925-PT-MIN1-WP	Water	Anions Group1	Cool 4 deg C	ALLI03	QA Of	09/02/2025	9056A
Q3019-11	WP0925-PT-NUT1-WP	Water	Anions Group2	Cool 4 deg C	ALLI03	QA Of	09/02/2025	300.0
Q3019-12	WP0925-PT-NUT1-WP	Water	Anions Group2	Cool 4 deg C	ALLI03	QA Of	09/02/2025	9056A
Q3019-15	WP0925-PT-NUT3-WP	Water	Anions Group4	Cool 4 deg C	ALLI03	QA Of	09/02/2025	300.0
Q3019-16	WP0925-PT-NUT3-WP	Water	Anions Group5	Cool 4 deg C	ALLI03	QA Of	09/02/2025	9056A

Date/Time 09/11/25 10:30
Raw Sample Received by: IZ (WC)
Raw Sample Relinquished by: SI (QAO)

Date/Time NA
Raw Sample Received by: "
Raw Sample Relinquished by: "

Reviewed By:Iwona
On:9/16/2025 9:27:21 AM
Inst Id :IC-1
LB :LB137171

Instrument IC-1 Analyst : RM Method: 300.0 / 9056A

Ident	Con F-	Con CL-	Con NO2	Con BR-	Con NO3	Con HPO4	Con SO4	Method name	date time	Initial w Analyst
STD1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	IC1-090925	9/9/2025 10:21	10 RM/IZ
STD2	0.423	0.641	0.632	2.091	0.529	1.063	3.237	IC1-090925	9/9/2025 10:42	10 RM/IZ
STD3	0.794	1.189	1.197	3.984	0.997	2.006	6.010	IC1-090925	9/9/2025 11:25	10 RM/IZ
STD4	0.990	1.475	1.473	4.920	1.228	2.461	7.371	IC1-090925	9/9/2025 11:47	10 RM/IZ
STD5	2.008	3.012	3.027	10.105	2.514	4.978	15.047	IC1-090925	9/9/2025 13:36	10 RM/IZ
STD6	3.935	5.921	5.894	19.658	4.924	9.905	29.203	IC1-090925	9/9/2025 13:58	10 RM/IZ
STD7	5.050	7.561	7.577	25.243	6.308	12.587	37.633	IC1-090925	9/9/2025 14:41	10 RM/IZ
ICV	2.001	2.995	2.988	9.985	2.483	5.041	14.797	IC1-090925	9/9/2025 15:02	10 RM/IZ
ICB	0.000	0.063	0.000	0.000	0.000	0.000	0.000	IC1-090925	9/9/2025 15:45	10 RM/IZ
CCV	2.004	2.970	2.981	10.060	2.440	5.083	14.890	IC1-090925	9/11/2025 10:23	10 RM/IZ
CCB	0.000	0.000	0.000	0.000	0.000	0.000	0.000	IC1-090925	9/11/2025 10:45	10 RM/IZ
LB137172BLW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	IC1-090925	9/11/2025 11:06	10 RM/IZ
LB137172BSW	2.016	2.955	2.970	10.004	2.432	5.036	14.786	IC1-090925	9/11/2025 11:28	10 RM/IZ
Q3019-06	3.367	259.814	0.000	5.201	0.000	0.000	111.521	IC1-090925	9/11/2025 11:49	10 RM/IZ
Q3019-12	0.000	47.723	0.000	0.000	8.087	3.837	0.000	IC1-090925	9/11/2025 12:33	10 RM/IZ
Q3019-16	0.000	0.074	1.531	0.000	0.000	0.000	0.000	IC1-090925	9/11/2025 12:54	10 RM/IZ
Q3019-06DLX10	0.354	19.027	0.000	0.635	0.000	0.000	10.024	IC1-090925	9/11/2025 13:16	10 RM/IZ
Q3019-06DL2X50	0.096	3.521	0.000	0.241	0.000	0.000	2.301	IC1-090925	9/11/2025 13:37	10 RM/IZ
Q3019-12DLX2	0.000	21.812	0.000	0.000	3.908	1.755	0.000	IC1-090925	9/11/2025 13:59	10 RM/IZ
CCV	2.017	2.948	2.964	10.001	2.429	5.049	14.851	IC1-090925	9/11/2025 14:20	10 RM/IZ
CCB	0.000	0.000	0.000	0.000	0.000	0.000	0.000	IC1-090925	9/11/2025 14:42	10 RM/IZ

Reviewed By:Iwona
On:9/16/2025 9:27:29 AM
Inst Id :IC-1
LB :LB137172

Clear table

Instrument ID: IC-2 Analyst : IZ Method: 300.0 / 9056A

ident	concentration F-	concentration CL-	concentration NO2	concentration BR-	concentration NO3	concentration HPO4	concentration SO4	file name	date time	Initial wt/ Final	Analyst
STD1	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	IC1-090925	9/9/2025 10:21	10	RM/IZ
STD2	0.4230	0.6410	0.6320	2.0910	0.5290	1.0630	3.2370	IC1-090925	9/9/2025 10:42	10	RM/IZ
STD3	0.7940	1.1890	1.1970	3.9840	0.9970	2.0060	6.0100	IC1-090925	9/9/2025 11:25	10	RM/IZ
STD4	0.9900	1.4750	1.4730	4.9200	1.2280	2.4610	7.3710	IC1-090925	9/9/2025 11:47	10	RM/IZ
STD5	2.0080	3.0120	3.0270	10.1050	2.5140	4.9780	15.0470	IC1-090925	9/9/2025 13:36	10	RM/IZ
STD6	3.9350	5.9210	5.8940	19.6580	4.9240	9.9050	29.2030	IC1-090925	9/9/2025 13:58	10	RM/IZ
STD7	5.0500	7.5610	7.5770	25.2430	6.3080	12.5870	37.6330	IC1-090925	9/9/2025 14:41	10	RM/IZ

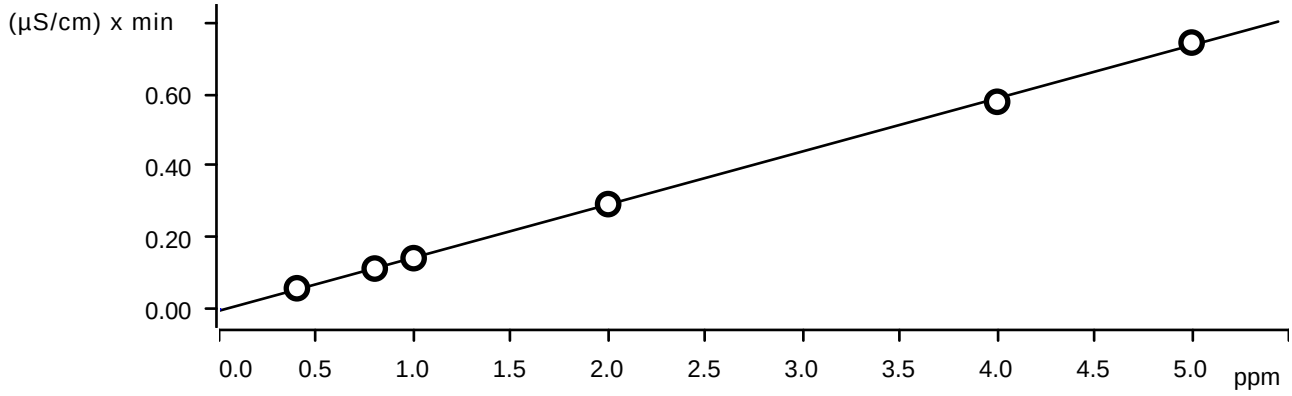
ident	True Value F-	True Value CL-	True Value NO2	True Value BR-	True Value NO3	True Value HPO4	True Value SO4
STD1	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
STD2	0.4000	0.6000	0.6000	2.0000	0.5000	1.0000	3.0000
STD3	0.8000	1.2000	1.2000	4.0000	1.0000	2.0000	6.0000
STD4	1.0000	1.5000	1.5000	5.0000	1.2500	2.5000	7.5000
STD5	2.0000	3.0000	3.0000	10.0000	2.5000	5.0000	15.0000
STD6	4.0000	6.0000	6.0000	20.0000	5.0000	10.0000	30.0000
STD7	5.0000	7.5000	7.5000	25.0000	6.2500	12.5000	37.0000

ident	Relative Error F-	Relative Error CL-	Relative Error NO2	Relative Error BR-	Relative Error NO3	Relative Error HPO4	Relative Error SO4
STD1							
STD2	5.7500	6.8333	5.3333	4.5500	5.8000	6.3000	7.9000
STD3	-0.7500	-0.9167	-0.2500	-0.4000	-0.3000	0.3000	0.1667
STD4	-1.0000	-1.6667	-1.8000	-1.6000	-1.7600	-1.5600	-1.7200
STD5	0.4000	0.4000	0.9000	1.0500	0.5600	-0.4400	0.3133
STD6	-1.6250	-1.3167	-1.7667	-1.7100	-1.5200	-0.9500	-2.6567
STD7	1.0000	0.8133	1.0267	0.9720	0.9280	0.6960	1.7108

Reviewed By:Iwona
On:9/16/2025 9:27:29 AM
Inst Id :IC-1
LB :LB137172

Reviewed By:Iwon
On:9/16/2025 9:27 AM
Inst Id :IC-1
LB :LB137172

Fluoride (Anions)



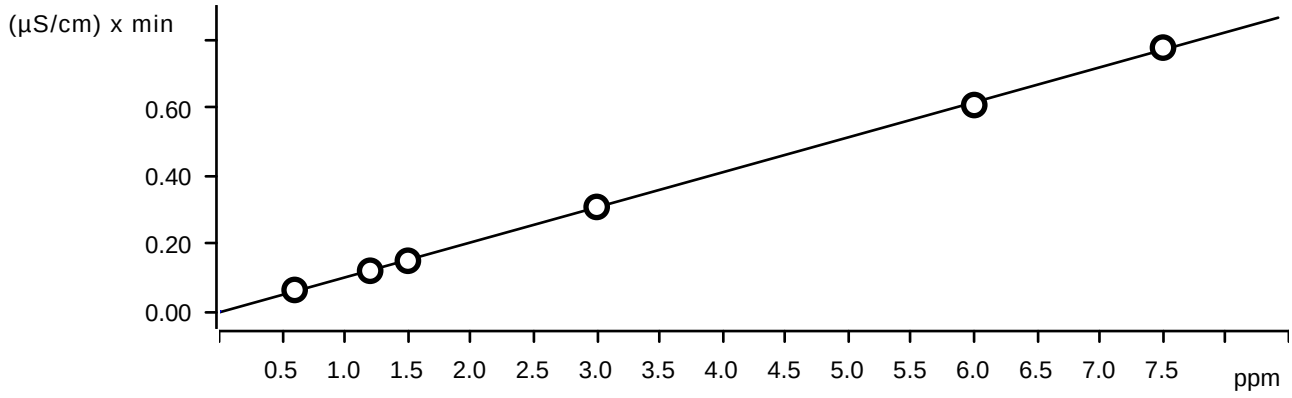
Function: . . . . . *A = - 3.91674E-3 + 0.0148053× Q*

Relative standard deviation . . . . . *1.985504 %*

Correlation coefficient *0.999790*

Sample type	Index	Conc.	Volume	Dilution	Sample amount	Area	Ident	Date	Used
Standard 1	1	0.000	10.0	1.0	1.0	n. d.	STD1	2025-09-09 10:21:26 UTC-4	used
Standard 2	1	0.400	10.0	1.0	1.0	0.059	STD2	2025-09-09 10:42:49 UTC-4	used
Standard 3	1	0.800	10.0	1.0	1.0	0.114	STD3	2025-09-09 11:25:44 UTC-4	used
Standard 4	1	1.000	10.0	1.0	1.0	0.143	STD4	2025-09-09 11:47:10 UTC-4	used
Standard 5	1	2.000	10.0	1.0	1.0	0.293	STD5	2025-09-09 13:36:36 UTC-4	used
Standard 6	1	4.000	10.0	1.0	1.0	0.579	STD6	2025-09-09 13:58:07 UTC-4	used
Standard 7	1	5.000	10.0	1.0	1.0	0.744	STD7	2025-09-09 14:41:06 UTC-4	used

Chloride (Anions)



Function: . . . . . *A = - 2.97735E-3 + 0.0103068× Q*

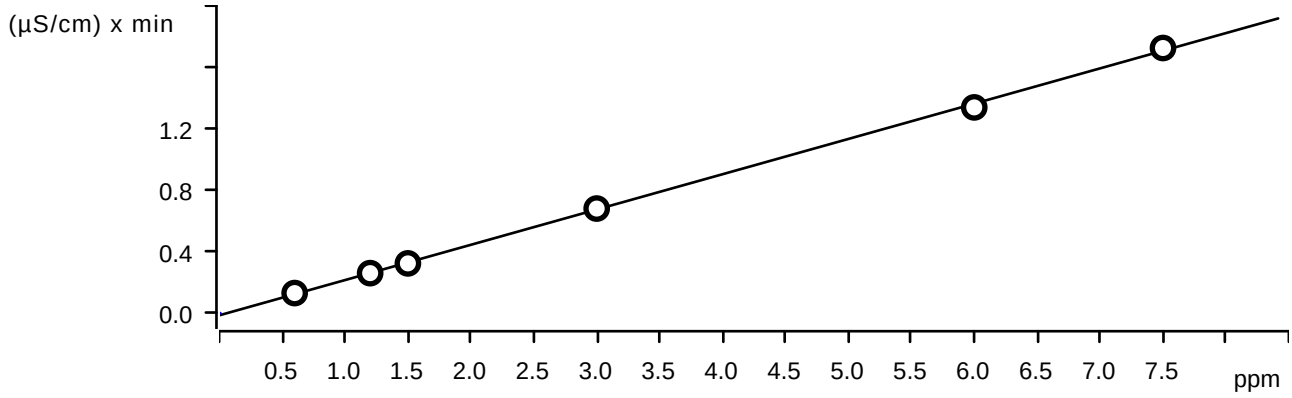
Reviewed By:Iwon
On:9/16/2025 9:27 AM
Inst Id :IC-1
LB :LB137172

Relative standard deviation . . . . . *1.712968 %*

Correlation coefficient *0.999843*

Sample type	Index	Conc.	Volume	Dilution	Sample amount	Area	Ident	Date	Used
Standard 1	1	0.000	10.0	1.0	1.0	n. d.	STD1	2025-09-09 10:21:26 UTC-4	used
Standard 2	1	0.600	10.0	1.0	1.0	0.063	STD2	2025-09-09 10:42:49 UTC-4	used
Standard 3	1	1.200	10.0	1.0	1.0	0.120	STD3	2025-09-09 11:25:44 UTC-4	used
Standard 4	1	1.500	10.0	1.0	1.0	0.149	STD4	2025-09-09 11:47:10 UTC-4	used
Standard 5	1	3.000	10.0	1.0	1.0	0.307	STD5	2025-09-09 13:36:36 UTC-4	used
Standard 6	1	6.000	10.0	1.0	1.0	0.607	STD6	2025-09-09 13:58:07 UTC-4	used
Standard 7	1	7.500	10.0	1.0	1.0	0.776	STD7	2025-09-09 14:41:06 UTC-4	used

Nitrite (Anions)



Function: . . . . . *A = - 0.0143669 + 0.0229543× Q*

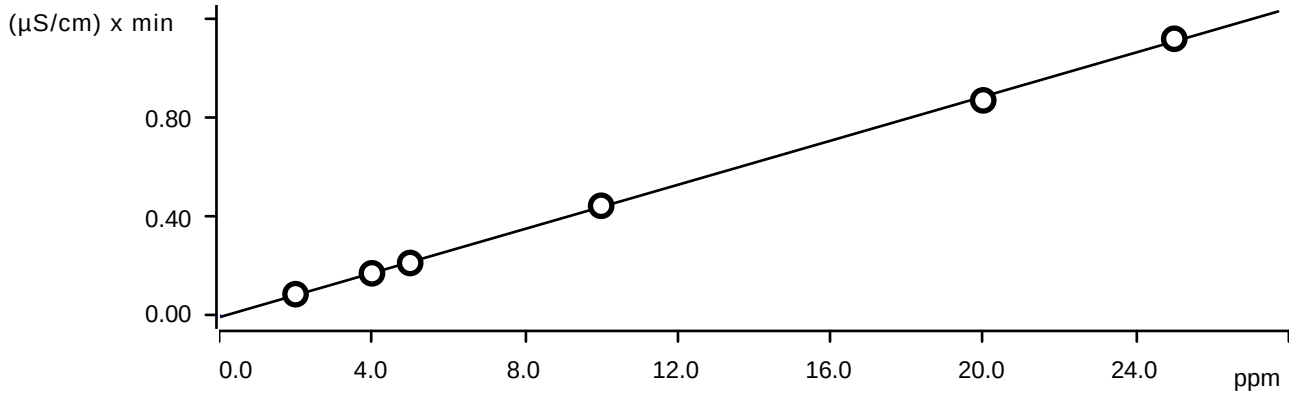
Relative standard deviation . . . . . *2.170764 %*

Correlation coefficient *0.999753*

Sample type	Index	Conc.	Volume	Dilution	Sample amount	Area	Ident	Date	Used
Standard 1	1	0.000	10.0	1.0	1.0	n. d.	STD1	2025-09-09 10:21:26 UTC-4	used
Standard 2	1	0.600	10.0	1.0	1.0	0.131	STD2	2025-09-09 10:42:49 UTC-4	used
Standard 3	1	1.200	10.0	1.0	1.0	0.260	STD3	2025-09-09 11:25:44 UTC-4	used
Standard 4	1	1.500	10.0	1.0	1.0	0.324	STD4	2025-09-09 11:47:10 UTC-4	used
Standard 5	1	3.000	10.0	1.0	1.0	0.681	STD5	2025-09-09 13:36:36 UTC-4	used
Standard 6	1	6.000	10.0	1.0	1.0	1.339	STD6	2025-09-09 13:58:07 UTC-4	used
Standard 7	1	7.500	10.0	1.0	1.0	1.725	STD7	2025-09-09 14:41:06 UTC-4	used

Reviewed By:Iwon
On:9/16/2025 9:27 AM
Inst Id :IC-1
LB :LB137172

Bromide (Anions)



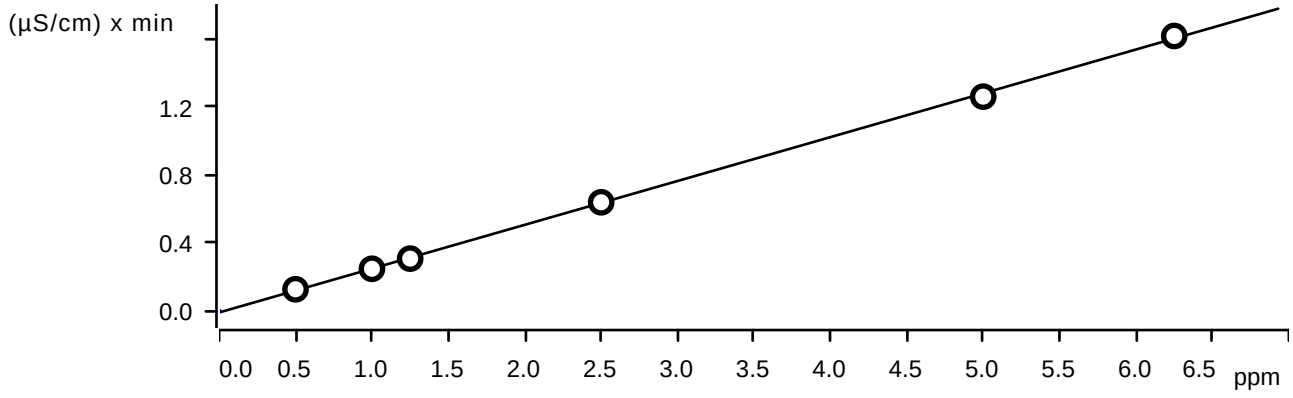
Function: . . . . . *A = - 5.68247E-3 + 4.44287E-3× Q*

Relative standard deviation . . . . . *2.066849 %*

Correlation coefficient *0.999773*

Sample type	Index	Conc.	Volume	Dilution	Sample amount	Area	Ident	Date	Used
Standard 1	1	0.000	10.0	1.0	1.0	n. d.	STD1	2025-09-09 10:21:26 UTC-4	used
Standard 2	1	2.000	10.0	1.0	1.0	0.087	STD2	2025-09-09 10:42:49 UTC-4	used
Standard 3	1	4.000	10.0	1.0	1.0	0.171	STD3	2025-09-09 11:25:44 UTC-4	used
Standard 4	1	5.000	10.0	1.0	1.0	0.213	STD4	2025-09-09 11:47:10 UTC-4	used
Standard 5	1	10.000	10.0	1.0	1.0	0.443	STD5	2025-09-09 13:36:36 UTC-4	used
Standard 6	1	20.000	10.0	1.0	1.0	0.868	STD6	2025-09-09 13:58:07 UTC-4	used
Standard 7	1	25.000	10.0	1.0	1.0	1.116	STD7	2025-09-09 14:41:06 UTC-4	used

Nitrate (Anions)



Function: . . . . . *A = - 0.0122982 + 0.0258010× Q*

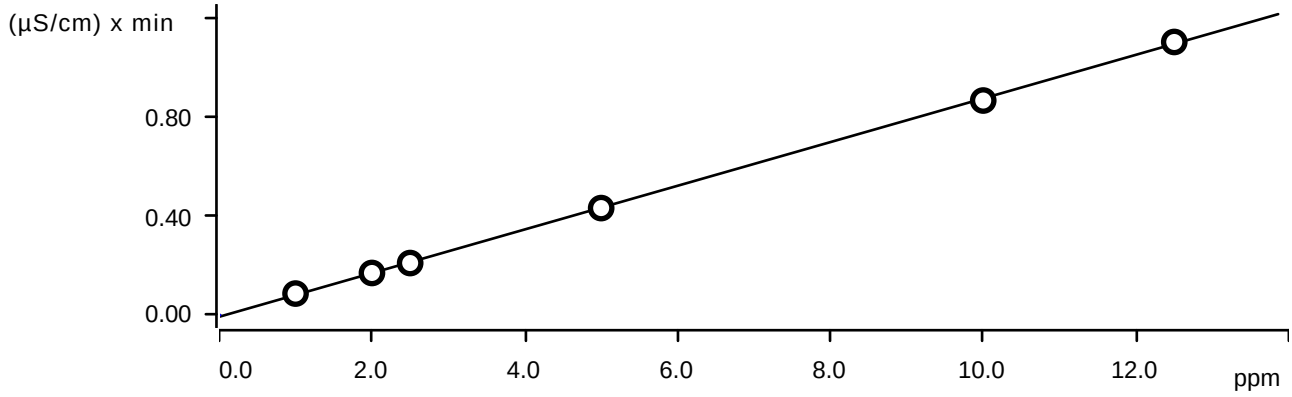
Relative standard deviation . . . . . *1.914251 %*

Reviewed By:Iwon
On:9/16/2025 9:27 AM
Inst Id :IC-1
LB :LB137172

Correlation coefficient *0.999807*

Sample type	Index	Conc.	Volume	Dilution	Sample amount	Area	Ident	Date	Used
Standard 1	1	0.000	10.0	1.0	1.0	n. d.	STD1	2025-09-09 10:21:26 UTC-4	used
Standard 2	1	0.500	10.0	1.0	1.0	0.124	STD2	2025-09-09 10:42:49 UTC-4	used
Standard 3	1	1.000	10.0	1.0	1.0	0.245	STD3	2025-09-09 11:25:44 UTC-4	used
Standard 4	1	1.250	10.0	1.0	1.0	0.305	STD4	2025-09-09 11:47:10 UTC-4	used
Standard 5	1	2.500	10.0	1.0	1.0	0.636	STD5	2025-09-09 13:36:36 UTC-4	used
Standard 6	1	5.000	10.0	1.0	1.0	1.258	STD6	2025-09-09 13:58:07 UTC-4	used
Standard 7	1	6.250	10.0	1.0	1.0	1.615	STD7	2025-09-09 14:41:06 UTC-4	used

Phosphate (Anions)



Function: . . . . . *A = - 6.72192E-3 + 8.79335E-3× Q*

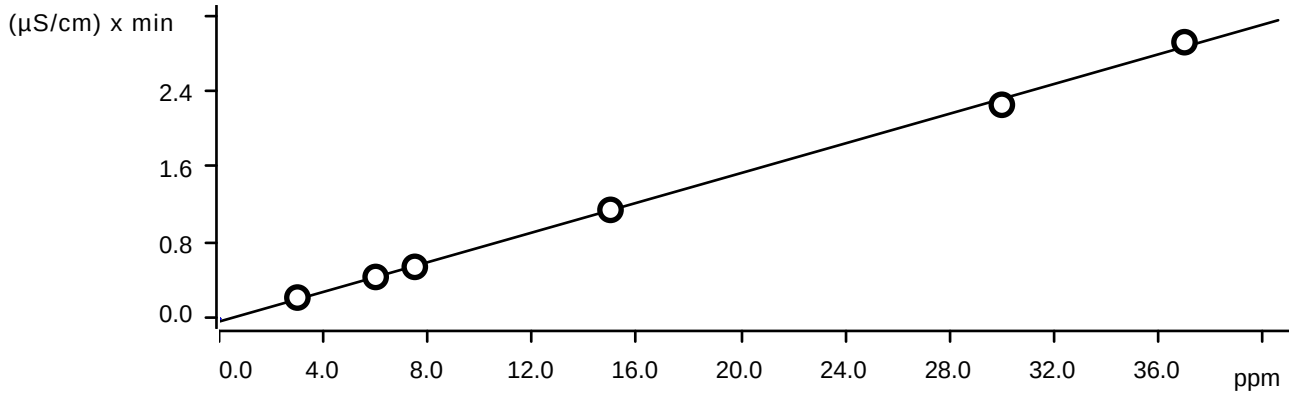
Relative standard deviation . . . . . *1.384046 %*

Correlation coefficient *0.999898*

Sample type	Index	Conc.	Volume	Dilution	Sample amount	Area	Ident	Date	Used
Standard 1	1	0.000	10.0	1.0	1.0	n. d.	STD1	2025-09-09 10:21:26 UTC-4	used
Standard 2	1	1.000	10.0	1.0	1.0	0.087	STD2	2025-09-09 10:42:49 UTC-4	used
Standard 3	1	2.000	10.0	1.0	1.0	0.170	STD3	2025-09-09 11:25:44 UTC-4	used
Standard 4	1	2.500	10.0	1.0	1.0	0.210	STD4	2025-09-09 11:47:10 UTC-4	used
Standard 5	1	5.000	10.0	1.0	1.0	0.431	STD5	2025-09-09 13:36:36 UTC-4	used
Standard 6	1	10.000	10.0	1.0	1.0	0.864	STD6	2025-09-09 13:58:07 UTC-4	used
Standard 7	1	12.500	10.0	1.0	1.0	1.100	STD7	2025-09-09 14:41:06 UTC-4	used

Reviewed By:Iwon
On:9/16/2025 9:27 AM
Inst Id :IC-1
LB :LB137172

Sulfate (Anions)



Function: . . . . . *A = - 0.0295615 + 7.81954E-3× Q*

Relative standard deviation . . . . . *3.285067 %*

Correlation coefficient *0.999433*

Sample type	Index	Conc.	Volume	Dilution	Sample amount	Area	Ident	Date	Used
Standard 1	1	0.000	10.0	1.0	1.0	n. d.	STD1	2025-09-09 10:21:26 UTC-4	used
Standard 2	1	3.000	10.0	1.0	1.0	0.224	STD2	2025-09-09 10:42:49 UTC-4	used
Standard 3	1	6.000	10.0	1.0	1.0	0.440	STD3	2025-09-09 11:25:44 UTC-4	used
Standard 4	1	7.500	10.0	1.0	1.0	0.547	STD4	2025-09-09 11:47:10 UTC-4	used
Standard 5	1	15.000	10.0	1.0	1.0	1.147	STD5	2025-09-09 13:36:36 UTC-4	used
Standard 6	1	30.000	10.0	1.0	1.0	2.254	STD6	2025-09-09 13:58:07 UTC-4	used
Standard 7	1	37.000	10.0	1.0	1.0	2.913	STD7	2025-09-09 14:41:06 UTC-4	used

Reviewed By:Iwon
On:9/16/2025 9:27 AM
Inst Id :IC-1
LB :LB137172

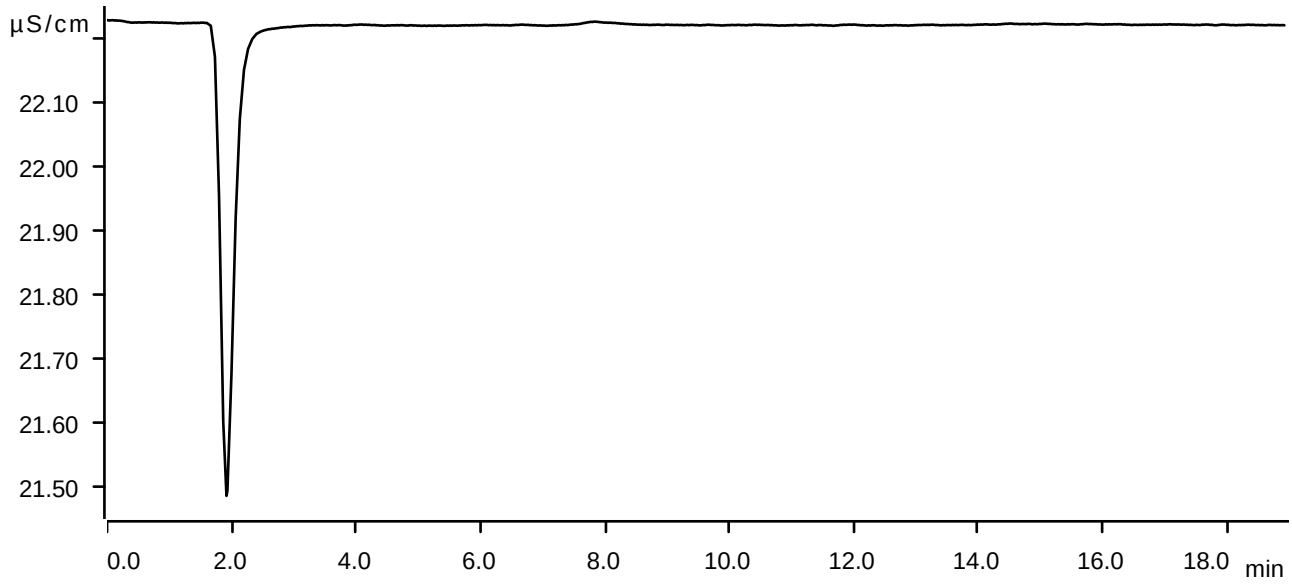
Sample data

Ident	STD1
Sample type	Standard 1
Determination start	2025-09-09 10:21:26 UTC-4
Method	IC1-090925
Operator	

Anions

Data source	Conductivity detector 1 (Eco IC 1)	
Channel	Conductivity	
Recording time	19.0	min
Integration	Automatically	
Column type	Metrosep A Supp 19 - 150/4.0	
Eluent composition	not defined	
Flow	0.700	mL/min
Maximum flow monitored	yes	
Pressure	13.06	MPa
Maximum pressure monitored	yes	
Temperature	-----	°C

Anions



Reviewed By:Iwon
On:9/16/2025 9:27 AM
Inst Id :IC-1
LB :LB137172

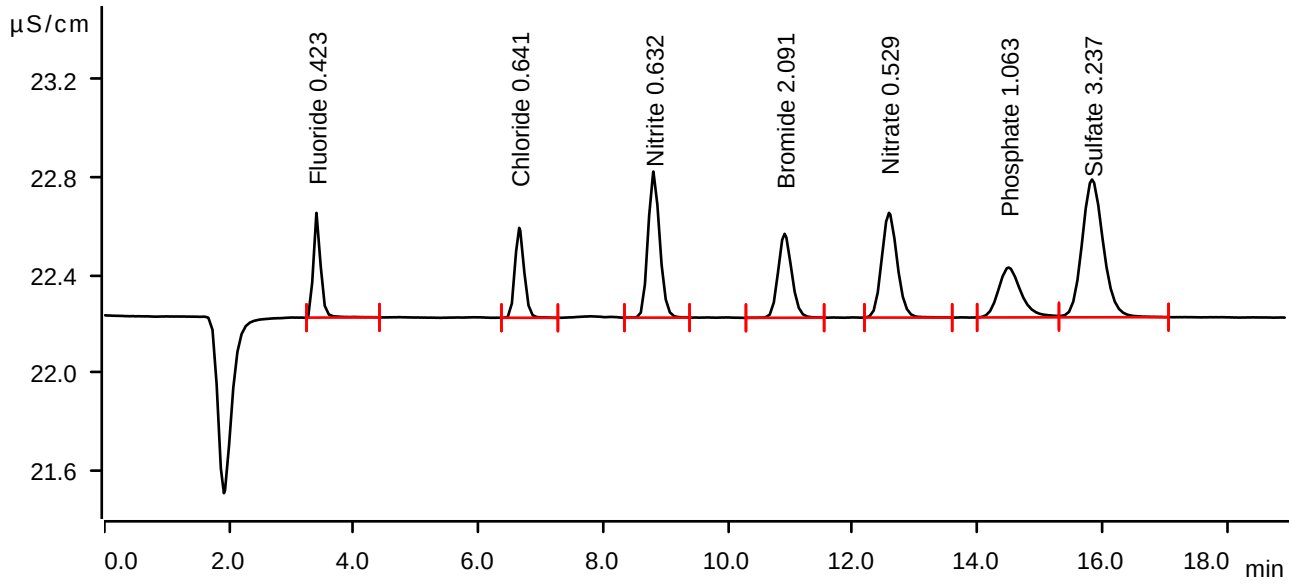
Sample data

Ident	STD2
Sample type	Standard 2
Determination start	2025-09-09 10:42:49 UTC-4
Method	IC1-090925
Operator	

Anions

Data source	Conductivity detector 1 (Eco IC 1)	
Channel	Conductivity	
Recording time	19.0	min
Integration	Automatically	
Column type	Metrosep A Supp 19 - 150/4.0	
Eluent composition	not defined	
Flow	0.700	mL/min
Maximum flow monitored	yes	
Pressure	12.84	MPa
Maximum pressure monitored	yes	
Temperature	-----	°C

Anions



Peak number	Retention time min	Area (µS/cm) x min	Height µS/cm	Concentration ppm	Component name
1	3.400	0.0587	0.429	0.423	Fluoride
2	6.652	0.0631	0.369	0.641	Chloride
3	8.803	0.1306	0.599	0.632	Nitrite
4	10.907	0.0872	0.344	2.091	Bromide
5	12.580	0.1242	0.430	0.529	Nitrate
6	14.497	0.0867	0.205	1.063	Phosphate
7	15.835	0.2236	0.565	3.237	Sulfate

Reviewed By:Iwon
On:9/16/2025 9:27 AM
Inst Id :IC-1
LB :LB137172

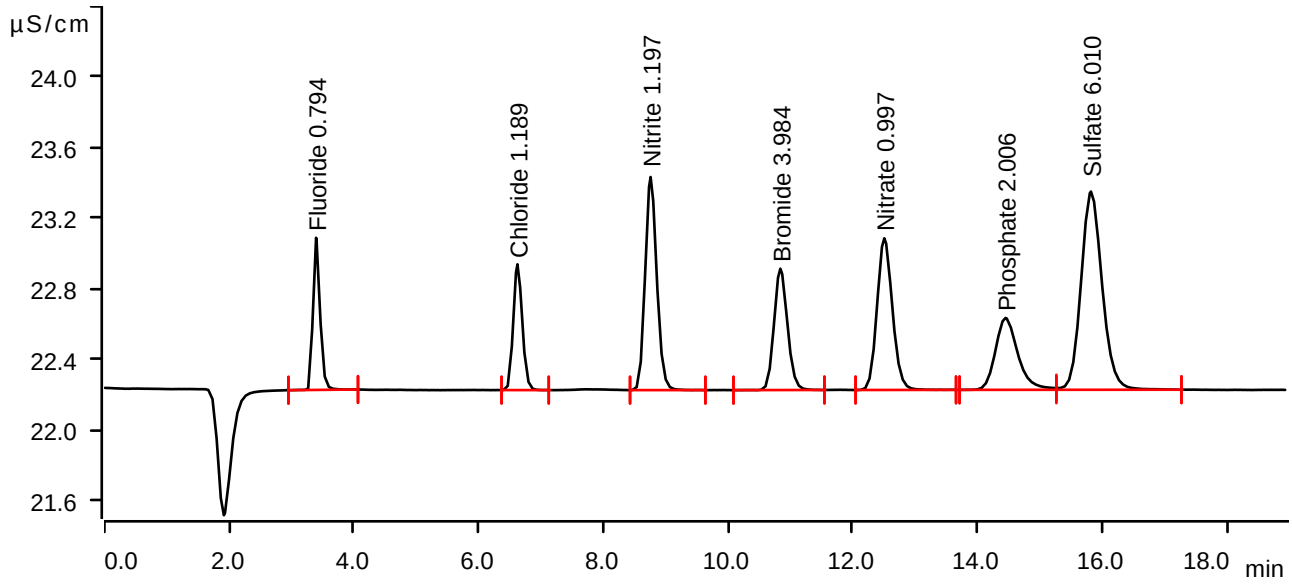
Sample data

Ident	STD3
Sample type	Standard 3
Determination start	2025-09-09 11:25:44 UTC-4
Method	IC1-090925
Operator	

Anions

Data source	Conductivity detector 1 (Eco IC 1)	
Channel	Conductivity	
Recording time	19.0	min
Integration	Automatically	
Column type	Metrosep A Supp 19 - 150/4.0	
Eluent composition	not defined	
Flow	0.700	mL/min
Maximum flow monitored	yes	
Pressure	12.67	MPa
Maximum pressure monitored	yes	
Temperature	-----	°C

Anions



Peak number	Retention time min	Area (µS/cm) x min	Height µS/cm	Concentration ppm	Component name
1	3.395	0.1137	0.861	0.794	Fluoride
2	6.623	0.1196	0.712	1.189	Chloride
3	8.758	0.2603	1.206	1.197	Nitrite
4	10.838	0.1713	0.687	3.984	Bromide
5	12.505	0.2450	0.859	0.997	Nitrate
6	14.448	0.1697	0.407	2.006	Phosphate
7	15.818	0.4404	1.122	6.010	Sulfate

Reviewed By:Iwon
On:9/16/2025 9:27 AM
Inst Id :IC-1
LB :LB137172

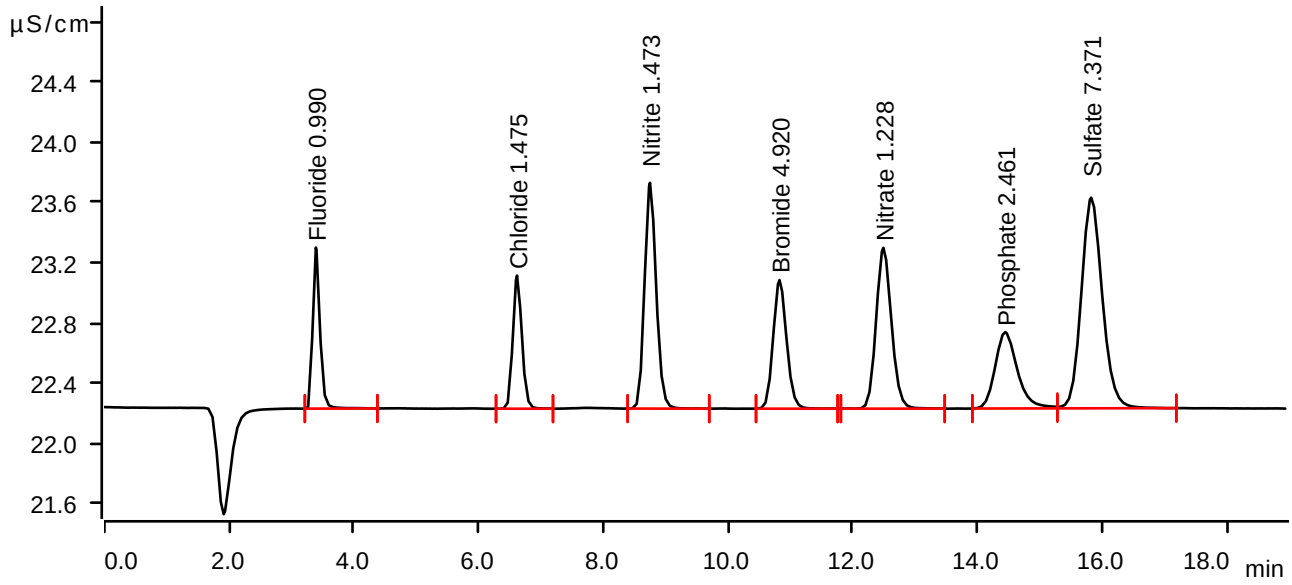
Sample data

Ident	STD4
Sample type	Standard 4
Determination start	2025-09-09 11:47:10 UTC-4
Method	IC1-090925
Operator	

Anions

Data source	Conductivity detector 1 (Eco IC 1)	
Channel	Conductivity	
Recording time	19.0	min
Integration	Automatically	
Column type	Metrosep A Supp 19 - 150/4.0	
Eluent composition	not defined	
Flow	0.700	mL/min
Maximum flow monitored	yes	
Pressure	12.61	MPa
Maximum pressure monitored	yes	
Temperature	-----	°C

Anions



Peak number	Retention time min	Area (µS/cm) x min	Height µS/cm	Concentration ppm	Component name
1	3.392	0.1426	1.068	0.990	Fluoride
2	6.617	0.1490	0.884	1.475	Chloride
3	8.748	0.3238	1.499	1.473	Nitrite
4	10.825	0.2129	0.854	4.920	Bromide
5	12.490	0.3046	1.068	1.228	Nitrate
6	14.443	0.2097	0.507	2.461	Phosphate
7	15.822	0.5468	1.398	7.371	Sulfate

Reviewed By:Iwon
On:9/16/2025 9:27 AM
Inst Id :IC-1
LB :LB137172

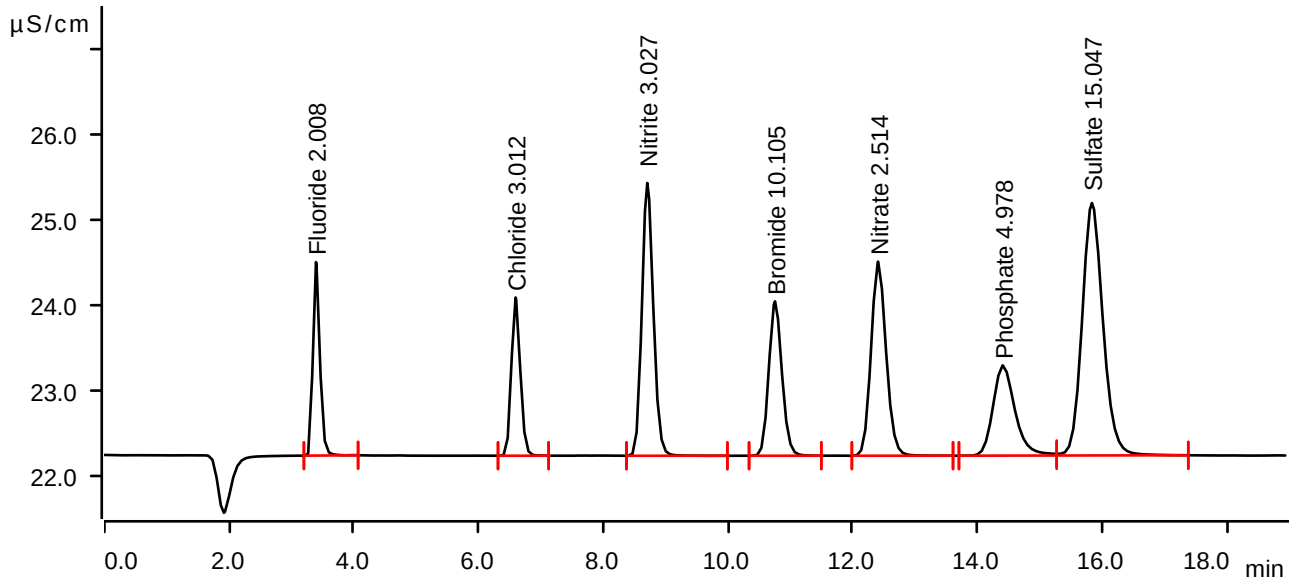
Sample data

Ident	STD5
Sample type	Standard 5
Determination start	2025-09-09 13:36:36 UTC-4
Method	IC1-090925
Operator	

Anions

Data source	Conductivity detector 1 (Eco IC 1)	
Channel	Conductivity	
Recording time	19.0	min
Integration	Automatically	
Column type	Metrosep A Supp 19 - 150/4.0	
Eluent composition	not defined	
Flow	0.700	mL/min
Maximum flow monitored	yes	
Pressure	12.50	MPa
Maximum pressure monitored	yes	
Temperature	-----	°C

Anions



Peak number	Retention time min	Area (µS/cm) x min	Height µS/cm	Concentration ppm	Component name
1	3.393	0.2933	2.266	2.008	Fluoride
2	6.593	0.3075	1.854	3.012	Chloride
3	8.705	0.6805	3.195	3.027	Nitrite
4	10.753	0.4432	1.809	10.105	Bromide
5	12.407	0.6363	2.273	2.514	Nitrate
6	14.405	0.4310	1.057	4.978	Phosphate
7	15.833	1.1470	2.956	15.047	Sulfate

Reviewed By:Iwon
On:9/16/2025 9:27 AM
Inst Id :IC-1
LB :LB137172

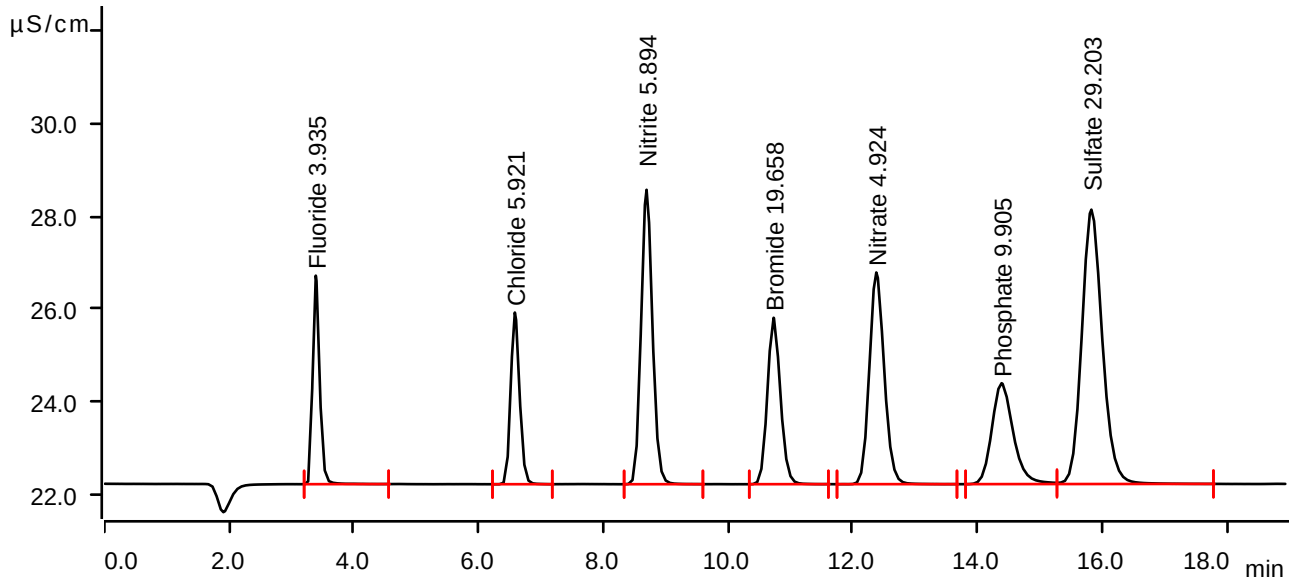
Sample data

Ident	STD6
Sample type	Standard 6
Determination start	2025-09-09 13:58:07 UTC-4
Method	IC1-090925
Operator	

Anions

Data source	Conductivity detector 1 (Eco IC 1)	
Channel	Conductivity	
Recording time	19.0	min
Integration	Automatically	
Column type	Metrosep A Supp 19 - 150/4.0	
Eluent composition	not defined	
Flow	0.700	mL/min
Maximum flow monitored	yes	
Pressure	12.44	MPa
Maximum pressure monitored	yes	
Temperature	-----	°C

Anions



Peak number	Retention time min	Area (µS/cm) x min	Height µS/cm	Concentration ppm	Component name
1	3.390	0.5787	4.477	3.935	Fluoride
2	6.582	0.6073	3.687	5.921	Chloride
3	8.693	1.3385	6.323	5.894	Nitrite
4	10.730	0.8677	3.574	19.658	Bromide
5	12.377	1.2581	4.546	4.924	Nitrate
6	14.385	0.8642	2.167	9.905	Phosphate
7	15.825	2.2540	5.893	29.203	Sulfate

Reviewed By:Iwon
On:9/16/2025 9:27 AM
Inst Id :IC-1
LB :LB137172

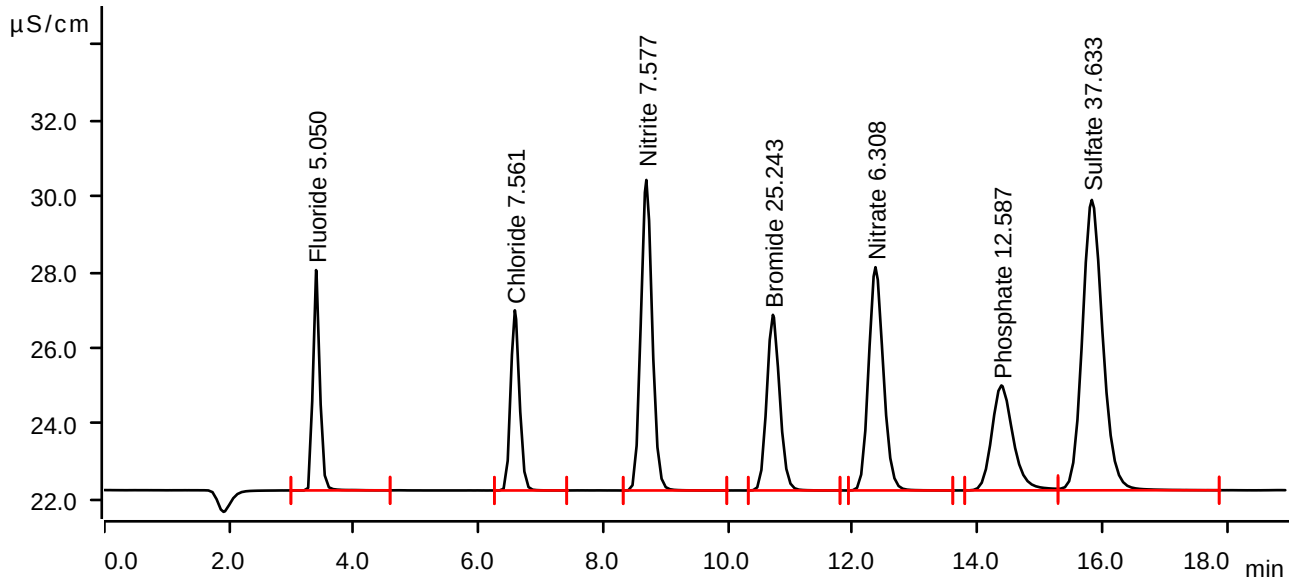
Sample data

Ident	STD7
Sample type	Standard 7
Determination start	2025-09-09 14:41:06 UTC-4
Method	IC1-090925
Operator	

Anions

Data source	Conductivity detector 1 (Eco IC 1)	
Channel	Conductivity	
Recording time	19.0	min
Integration	Automatically	
Column type	Metrosep A Supp 19 - 150/4.0	
Eluent composition	not defined	
Flow	0.700	mL/min
Maximum flow monitored	yes	
Pressure	12.39	MPa
Maximum pressure monitored	yes	
Temperature	-----	°C

Anions



Peak number	Retention time min	Area (µS/cm) x min	Height µS/cm	Concentration ppm	Component name
1	3.395	0.7438	5.806	5.050	Fluoride
2	6.582	0.7764	4.748	7.561	Chloride
3	8.690	1.7250	8.184	7.577	Nitrite
4	10.718	1.1158	4.629	25.243	Bromide
5	12.363	1.6152	5.884	6.308	Nitrate
6	14.382	1.1001	2.766	12.587	Phosphate
7	15.832	2.9131	7.654	37.633	Sulfate

Reviewed By:Iwon
On:9/16/2025 9:27 AM
Inst Id :IC-1
LB :LB137172

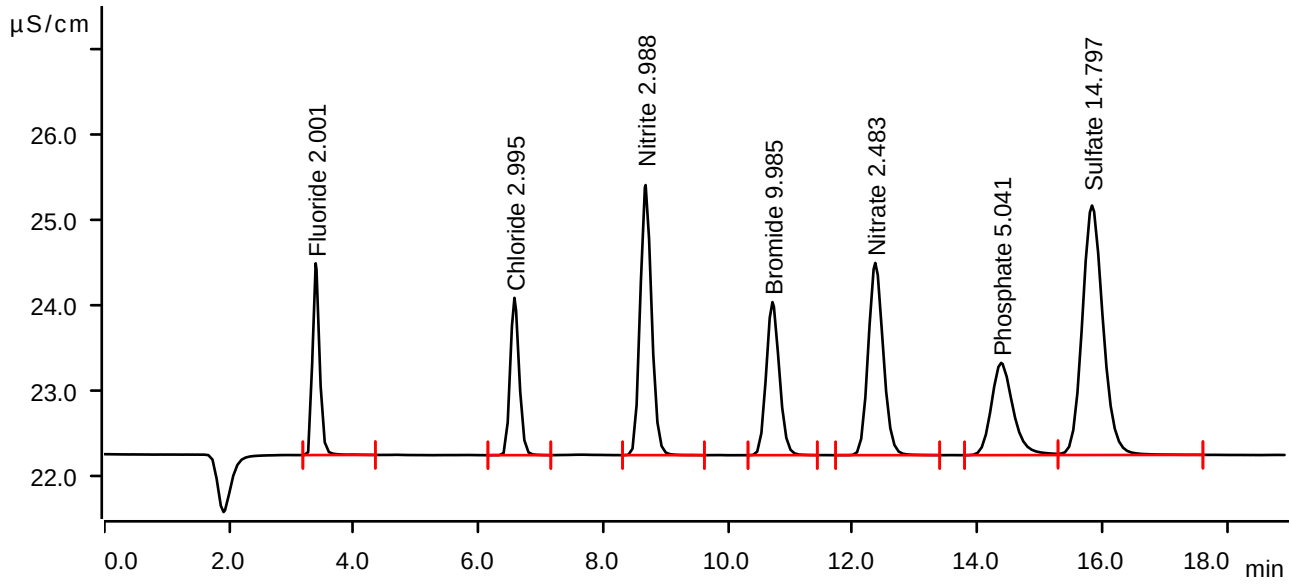
Sample data

Ident	ICV
Sample type	Check standard 1
Determination start	2025-09-09 15:02:34 UTC-4
Method	IC1-090925
Operator	

Anions

Data source	Conductivity detector 1 (Eco IC 1)	
Channel	Conductivity	
Recording time	19.0	min
Integration	Automatically	
Column type	Metrosep A Supp 19 - 150/4.0	
Eluent composition	not defined	
Flow	0.700	mL/min
Maximum flow monitored	yes	
Pressure	12.50	MPa
Maximum pressure monitored	yes	
Temperature	-----	°C

Anions



Peak number	Retention time min	Area (µS/cm) x min	Height µS/cm	Concentration ppm	Component name
1	3.388	0.2923	2.246	2.001	Fluoride
2	6.575	0.3057	1.843	2.995	Chloride
3	8.678	0.6715	3.164	2.988	Nitrite
4	10.712	0.4379	1.793	9.985	Bromide
5	12.360	0.6282	2.252	2.483	Nitrate
6	14.378	0.4365	1.080	5.041	Phosphate
7	15.835	1.1275	2.923	14.797	Sulfate

Reviewed By:Iwon
On:9/16/2025 9:27 AM
Inst Id :IC-1
LB :LB137172

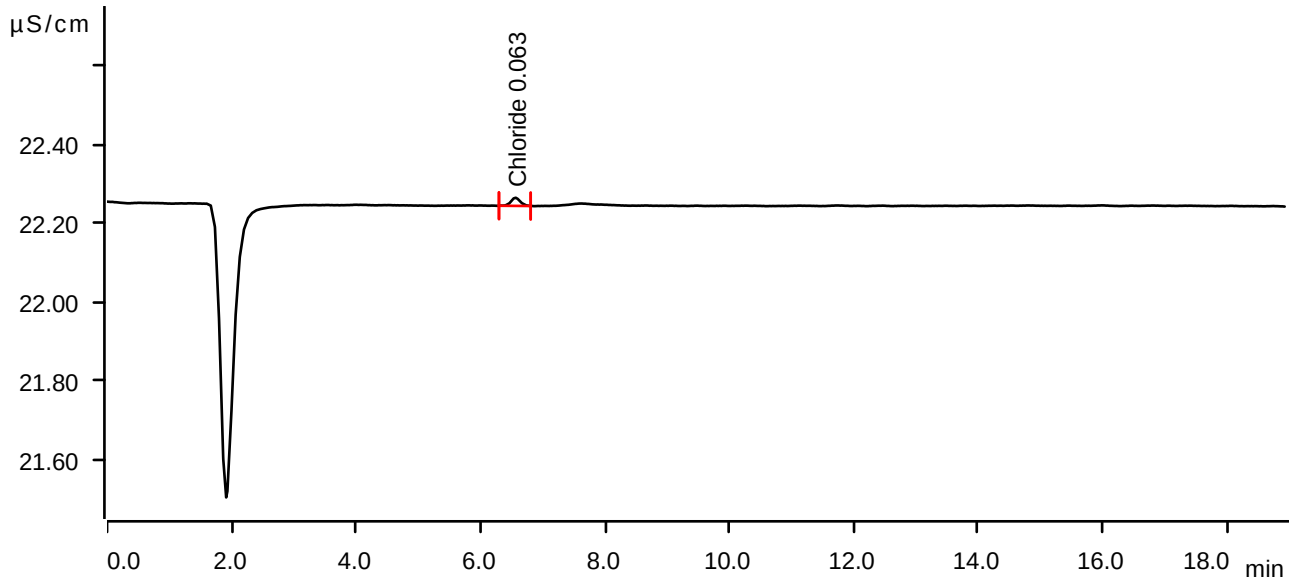
Sample data

Ident	ICB
Sample type	Sample
Determination start	2025-09-09 15:45:30 UTC-4
Method	IC1-090925
Operator	

Anions

Data source	Conductivity detector 1 (Eco IC 1)	
Channel	Conductivity	
Recording time	19.0	min
Integration	Automatically	
Column type	Metrosep A Supp 19 - 150/4.0	
Eluent composition	not defined	
Flow	0.700	mL/min
Maximum flow monitored	yes	
Pressure	12.39	MPa
Maximum pressure monitored	yes	
Temperature	-----	°C

Anions



Peak number	Retention time min	Area (µS/cm) x min	Height µS/cm	Concentration ppm	Component name
1	6.568	0.0036	0.021	0.063	Chloride

Reviewed By:Iwon
On:9/16/2025 9:27
AM
Inst Id :IC-1
LB :LB137172

Sample data

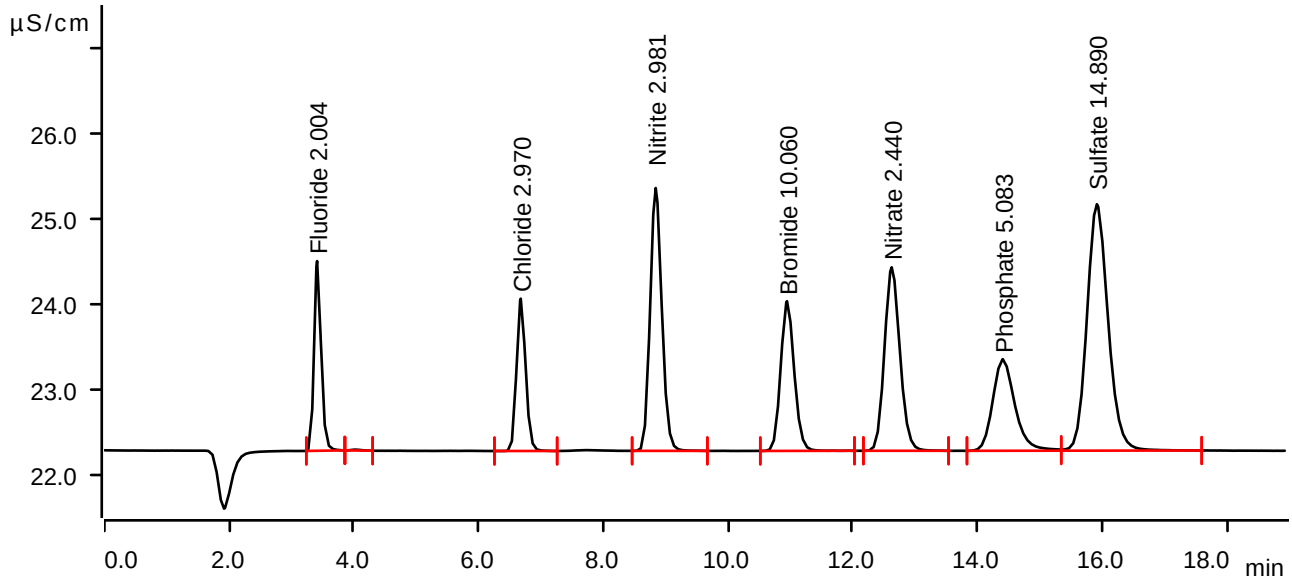
Ident	CCV
Sample type	Check standard 1
Determination start	2025-09-11 10:23:51 UTC-4
Method	IC1-090925
Operator	

Anions

Data source	Conductivity detector 1 (Eco IC 1)	
Channel	Conductivity	
Recording time	19.0	min
Integration	Automatically	
Column type	Metrosep A Supp 19 - 150/4.0	
Eluent composition	not defined	
Flow	0.700	mL/min
Maximum flow monitored	yes	
Pressure	12.84	MPa
Maximum pressure monitored	yes	
Temperature	-----	°C

Reviewed By:Iwon
On:9/16/2025 9:27 AM
Inst Id :IC-1
LB :LB137172

Anions



Peak number	Retention time min	Area (µS/cm) x min	Height µS/cm	Concentration ppm	Component name
1	3.412	0.2928	2.222	2.004	Fluoride
2	4.022	0.0019	0.010	invalid	
3	6.677	0.3031	1.784	2.970	Chloride
4	8.840	0.6700	3.079	2.981	Nitrite
5	10.945	0.4413	1.754	10.060	Bromide
6	12.623	0.6173	2.149	2.440	Nitrate
7	14.405	0.4403	1.073	5.083	Phosphate
8	15.913	1.1347	2.887	14.890	Sulfate

Reviewed By:Iwon
On:9/16/2025 9:27 AM
Inst Id :IC-1
LB :LB137172

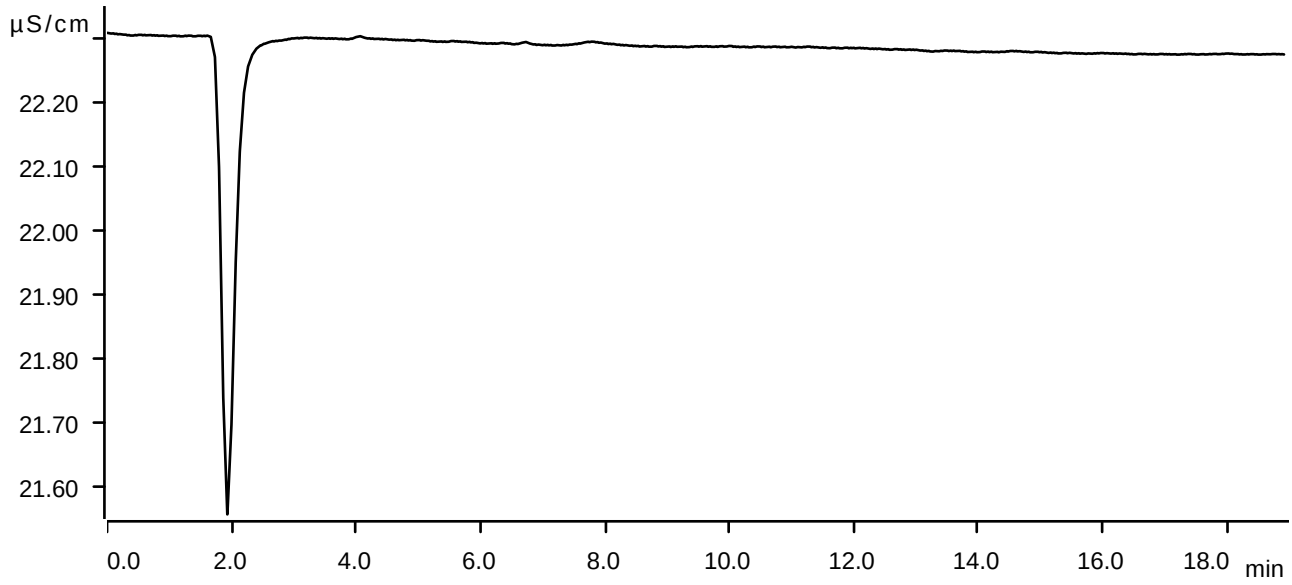
Sample data

Ident	CCB	
Sample type	Sample	
Determination start	2025-09-11 10:45:22 UTC-4	
Method	IC1-090925	
Operator		

Anions

Data source	Conductivity detector 1 (Eco IC 1)	
Channel	Conductivity	
Recording time	19.0	min
Integration	Automatically	
Column type	Metrosep A Supp 19 - 150/4.0	
Eluent composition	not defined	
Flow	0.700	mL/min
Maximum flow monitored	yes	
Pressure	12.78	MPa
Maximum pressure monitored	yes	
Temperature	-----	°C

Anions



Reviewed By:Iwon
On:9/16/2025 9:27 AM
Inst Id :IC-1
LB :LB137172

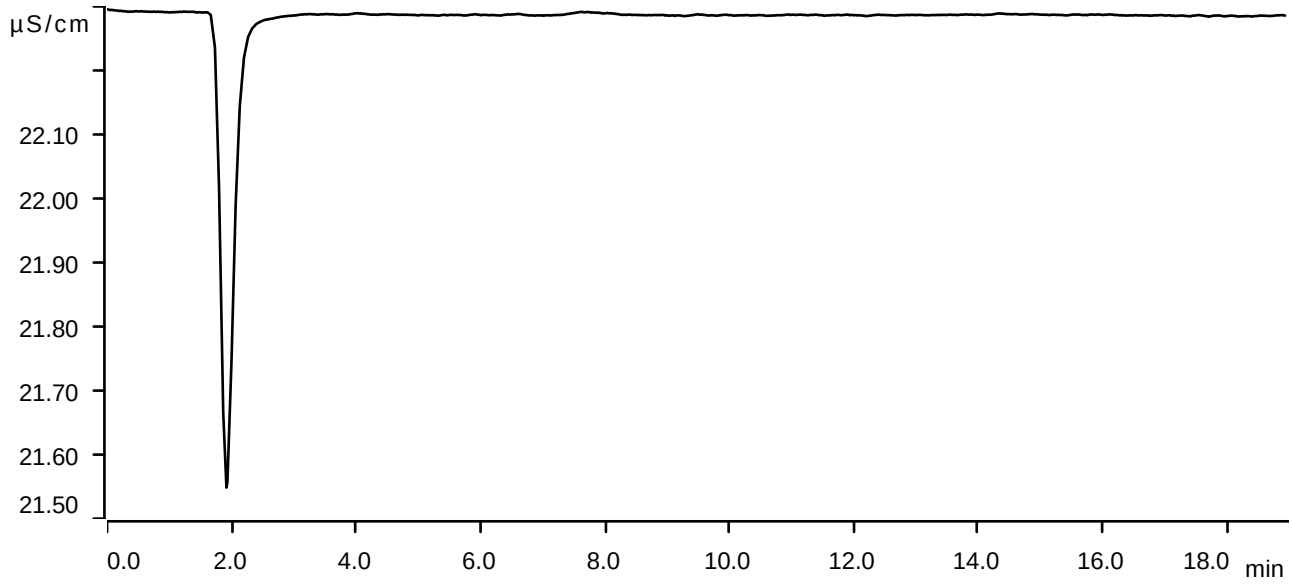
Sample data

Ident	LB137172BLW	
Sample type	Sample	
Determination start	2025-09-11 11:06:53 UTC-4	
Method	IC1-090925	
Operator		

Anions

Data source	Conductivity detector 1 (Eco IC 1)	
Channel	Conductivity	
Recording time	19.0	min
Integration	Automatically	
Column type	Metrosep A Supp 19 - 150/4.0	
Eluent composition	not defined	
Flow	0.700	mL/min
Maximum flow monitored	yes	
Pressure	12.78	MPa
Maximum pressure monitored	yes	
Temperature	-----	°C

Anions



Reviewed By:Iwon
On:9/16/2025 9:27 AM
Inst Id :IC-1
LB :LB137172

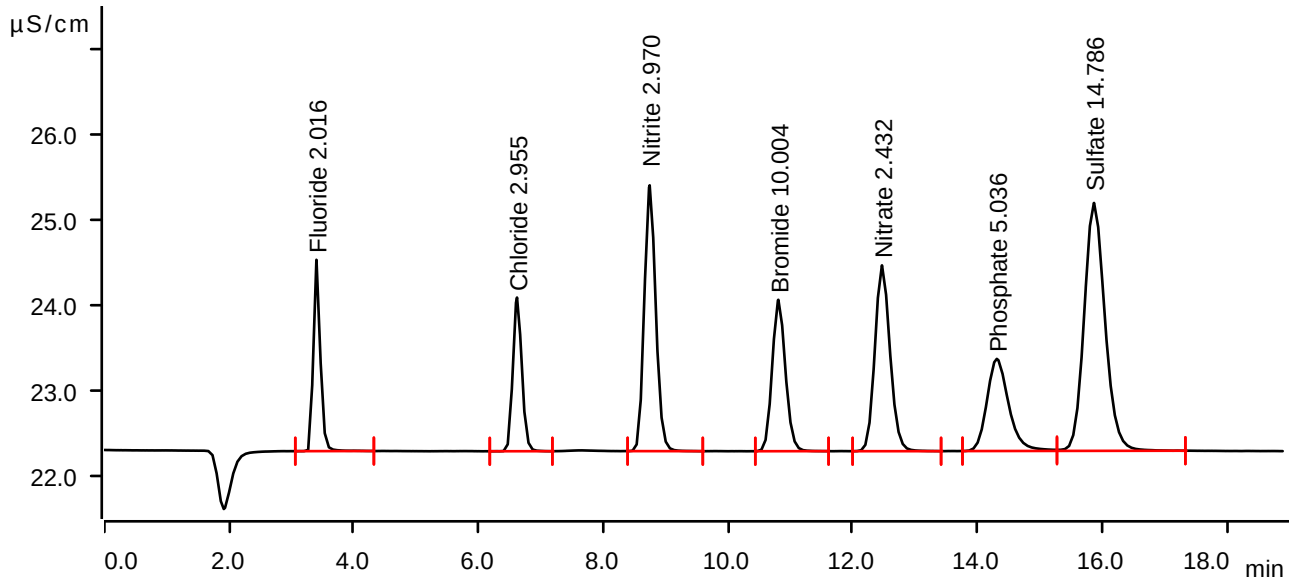
Sample data

Ident	LB137172BSW
Sample type	Check standard 1
Determination start	2025-09-11 11:28:24 UTC-4
Method	IC1-090925
Operator	

Anions

Data source	Conductivity detector 1 (Eco IC 1)	
Channel	Conductivity	
Recording time	19.0	min
Integration	Automatically	
Column type	Metrosep A Supp 19 - 150/4.0	
Eluent composition	not defined	
Flow	0.700	mL/min
Maximum flow monitored	yes	
Pressure	12.61	MPa
Maximum pressure monitored	yes	
Temperature	-----	°C

Anions



Peak number	Retention time min	Area (µS/cm) x min	Height µS/cm	Concentration ppm	Component name
1	3.400	0.2946	2.241	2.016	Fluoride
2	6.617	0.3016	1.800	2.955	Chloride
3	8.743	0.6674	3.114	2.970	Nitrite
4	10.807	0.4388	1.774	10.004	Bromide
5	12.468	0.6152	2.177	2.432	Nitrate
6	14.308	0.4362	1.079	5.036	Phosphate
7	15.865	1.1267	2.904	14.786	Sulfate

Reviewed By:Iwon
On:9/16/2025 9:27 AM
Inst Id :IC-1
LB :LB137172

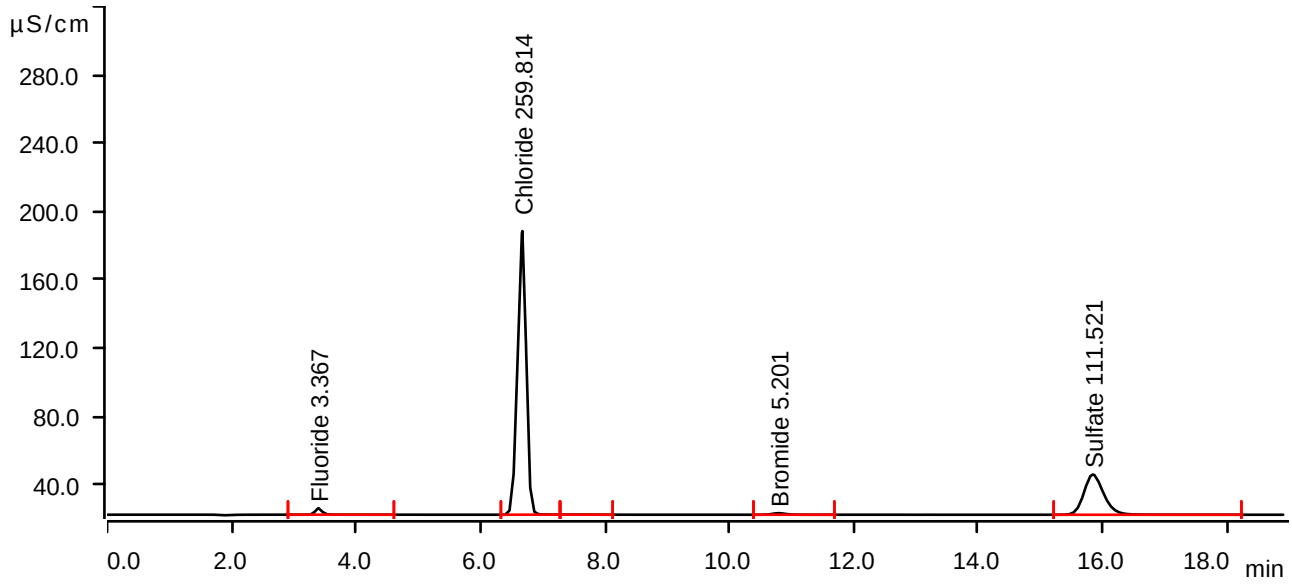
Sample data

Ident	Q3019-06
Sample type	Sample
Determination start	2025-09-11 11:49:57 UTC-4
Method	IC1-090925
Operator	

Anions

Data source	Conductivity detector 1 (Eco IC 1)	
Channel	Conductivity	
Recording time	19.0	min
Integration	Automatically	
Column type	Metrosep A Supp 19 - 150/4.0	
Eluent composition	not defined	
Flow	0.700	mL/min
Maximum flow monitored	yes	
Pressure	12.61	MPa
Maximum pressure monitored	yes	
Temperature	-----	°C

Anions



Peak number	Retention time min	Area (µS/cm) x min	Height µS/cm	Concentration ppm	Component name
1	3.393	0.4946	3.799	3.367	Fluoride
2	6.675	26.7754	166.117	259.814	Chloride
3	7.502	0.0096	0.025	invalid	
4	10.792	0.2254	0.914	5.201	Bromide
5	15.842	8.6908	23.582	111.521	Sulfate

Reviewed By:Iwon
On:9/16/2025 9:27 AM
Inst Id :IC-1
LB :LB137172

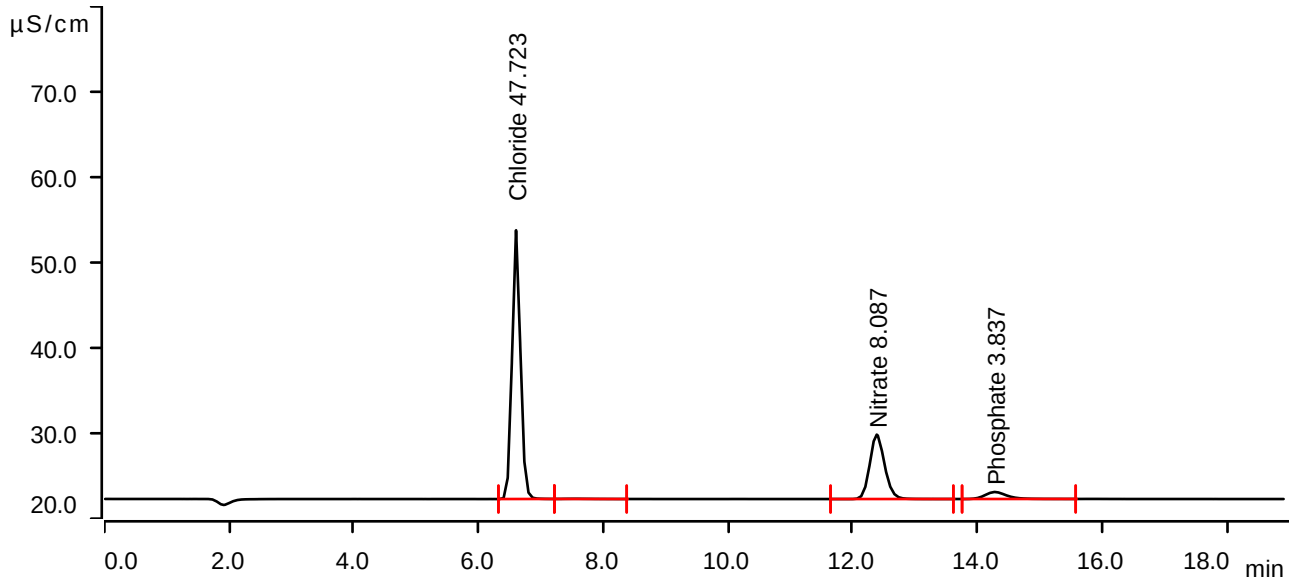
Sample data

Ident	Q3019-12
Sample type	Sample
Determination start	2025-09-11 12:33:04 UTC-4
Method	IC1-090925
Operator	

Anions

Data source	Conductivity detector 1 (Eco IC 1)	
Channel	Conductivity	
Recording time	19.0	min
Integration	Automatically	
Column type	Metrosep A Supp 19 - 150/4.0	
Eluent composition	not defined	
Flow	0.700	mL/min
Maximum flow monitored	yes	
Pressure	12.89	MPa
Maximum pressure monitored	yes	
Temperature	-----	°C

Anions



Peak number	Retention time min	Area (µS/cm) x min	Height µS/cm	Concentration ppm	Component name
1	6.602	4.9157	31.480	47.723	Chloride
2	7.552	0.0102	0.023	invalid	
3	12.383	2.0742	7.546	8.087	Nitrate
4	14.278	0.3307	0.820	3.837	Phosphate

Reviewed By:Iwon
On:9/16/2025 9:27 AM
Inst Id :IC-1
LB :LB137172

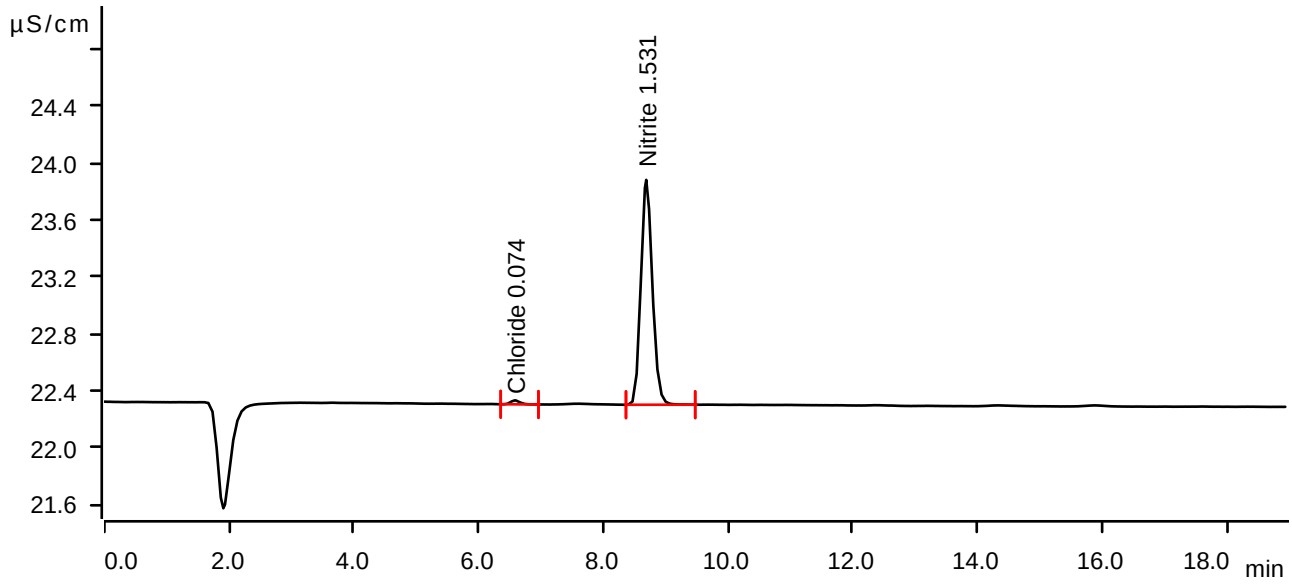
Sample data

Ident	Q3019-16
Sample type	Sample
Determination start	2025-09-11 12:54:38 UTC-4
Method	IC1-090925
Operator	

Anions

Data source	Conductivity detector 1 (Eco IC 1)	
Channel	Conductivity	
Recording time	19.0	min
Integration	Automatically	
Column type	Metrosep A Supp 19 - 150/4.0	
Eluent composition	not defined	
Flow	0.700	mL/min
Maximum flow monitored	yes	
Pressure	12.50	MPa
Maximum pressure monitored	yes	
Temperature	-----	°C

Anions



Peak number	Retention time min	Area (µS/cm) x min	Height µS/cm	Concentration ppm	Component name
1	6.582	0.0047	0.028	0.074	Chloride
2	8.688	0.3371	1.580	1.531	Nitrite

Reviewed By:Iwon
On:9/16/2025 9:27 AM
Inst Id :IC-1
LB :LB137172

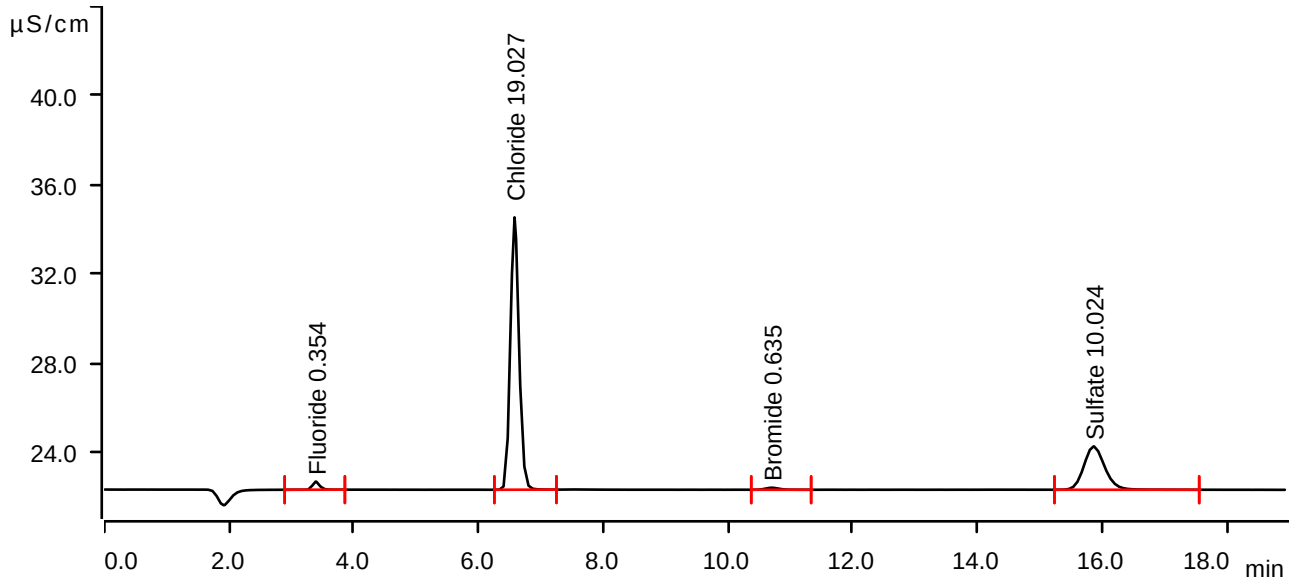
Sample data

Ident	Q3019-06DLX10
Sample type	Sample
Determination start	2025-09-11 13:16:12 UTC-4
Method	IC1-090925
Operator	

Anions

Data source	Conductivity detector 1 (Eco IC 1)	
Channel	Conductivity	
Recording time	19.0	min
Integration	Automatically	
Column type	Metrosep A Supp 19 - 150/4.0	
Eluent composition	not defined	
Flow	0.700	mL/min
Maximum flow monitored	yes	
Pressure	12.50	MPa
Maximum pressure monitored	yes	
Temperature	-----	°C

Anions



Peak number	Retention time min	Area (µS/cm) x min	Height µS/cm	Concentration ppm	Component name
1	3.388	0.0485	0.366	0.354	Fluoride
2	6.577	1.9581	12.227	19.027	Chloride
3	10.698	0.0225	0.090	0.635	Bromide
4	15.860	0.7543	1.948	10.024	Sulfate

Reviewed By:Iwon
On:9/16/2025 9:27 AM
Inst Id :IC-1
LB :LB137172

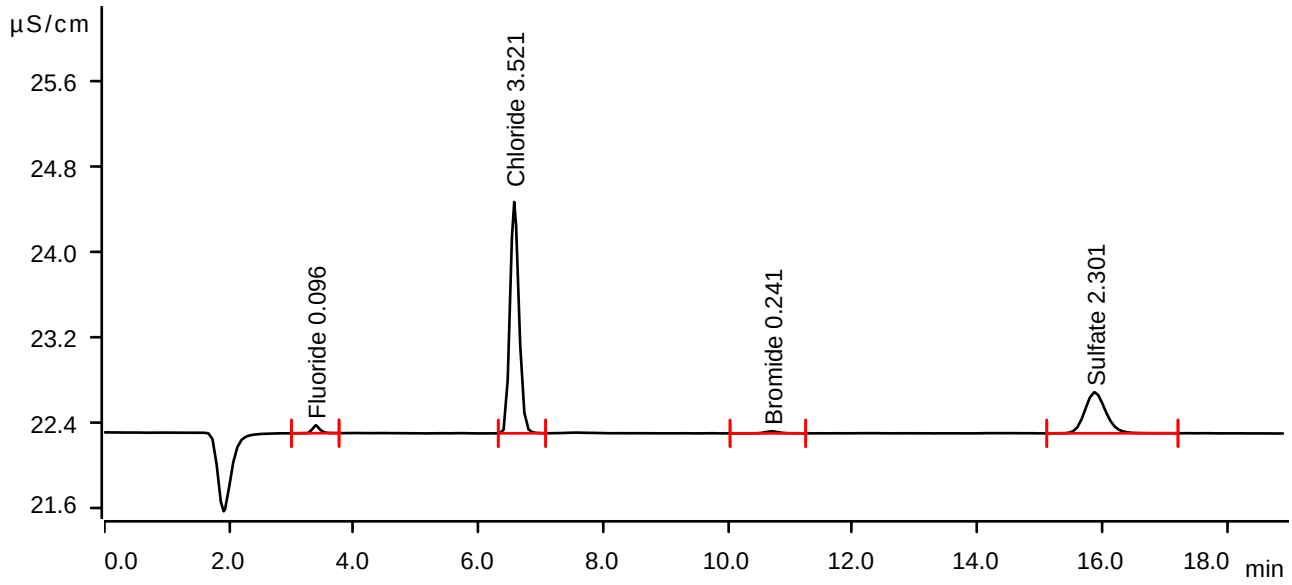
Sample data

Ident	Q3019-06DL2X50
Sample type	Sample
Determination start	2025-09-11 13:37:47 UTC-4
Method	IC1-090925
Operator	

Anions

Data source	Conductivity detector 1 (Eco IC 1)	
Channel	Conductivity	
Recording time	19.0	min
Integration	Automatically	
Column type	Metrosep A Supp 19 - 150/4.0	
Eluent composition	not defined	
Flow	0.700	mL/min
Maximum flow monitored	yes	
Pressure	13.06	MPa
Maximum pressure monitored	yes	
Temperature	-----	°C

Anions



Peak number	Retention time min	Area (µS/cm) x min	Height µS/cm	Concentration ppm	Component name
1	3.388	0.0102	0.074	0.096	Fluoride
2	6.572	0.3599	2.168	3.521	Chloride
3	10.708	0.0050	0.019	0.241	Bromide
4	15.878	0.1503	0.385	2.301	Sulfate

Reviewed By:Iwon
On:9/16/2025 9:27 AM
Inst Id :IC-1
LB :LB137172

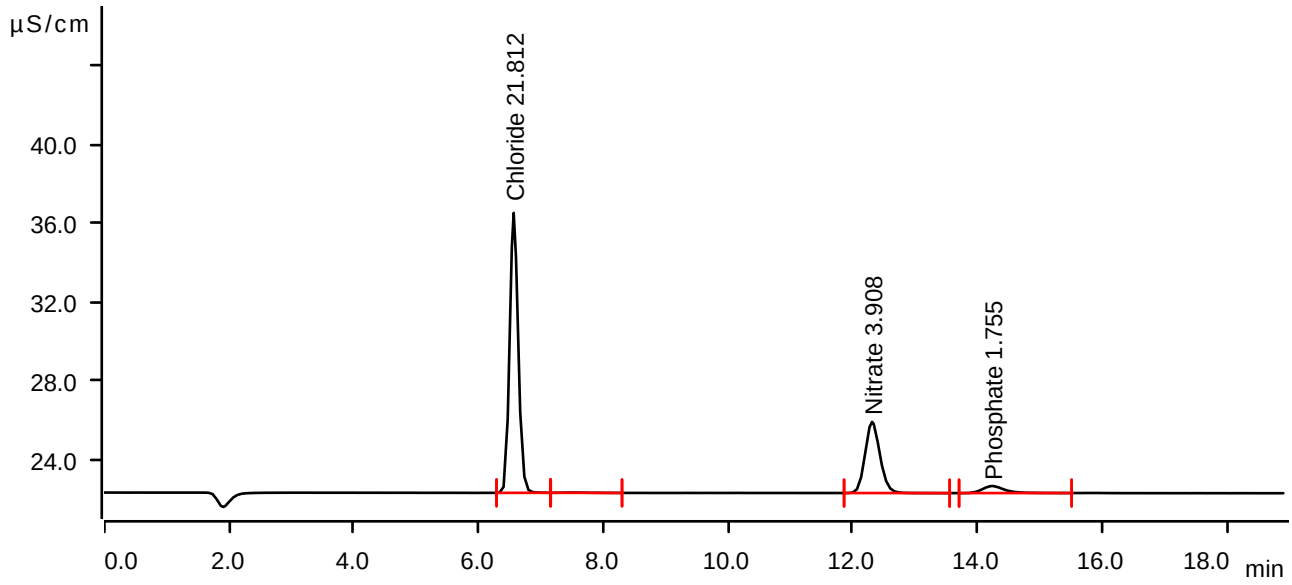
Sample data

Ident	Q3019-12DLX2
Sample type	Sample
Determination start	2025-09-11 13:59:22 UTC-4
Method	IC1-090925
Operator	

Anions

Data source	Conductivity detector 1 (Eco IC 1)	
Channel	Conductivity	
Recording time	19.0	min
Integration	Automatically	
Column type	Metrosep A Supp 19 - 150/4.0	
Eluent composition	not defined	
Flow	0.700	mL/min
Maximum flow monitored	yes	
Pressure	13.63	MPa
Maximum pressure monitored	yes	
Temperature	-----	°C

Anions



Peak number	Retention time min	Area (µS/cm) x min	Height µS/cm	Concentration ppm	Component name
1	6.563	2.2451	14.208	21.812	Chloride
2	7.515	0.0068	0.015	invalid	
3	12.308	0.9960	3.613	3.908	Nitrate
4	14.233	0.1476	0.357	1.755	Phosphate

Reviewed By:Iwon
On:9/16/2025 9:27 AM
Inst Id :IC-1
LB :LB137172

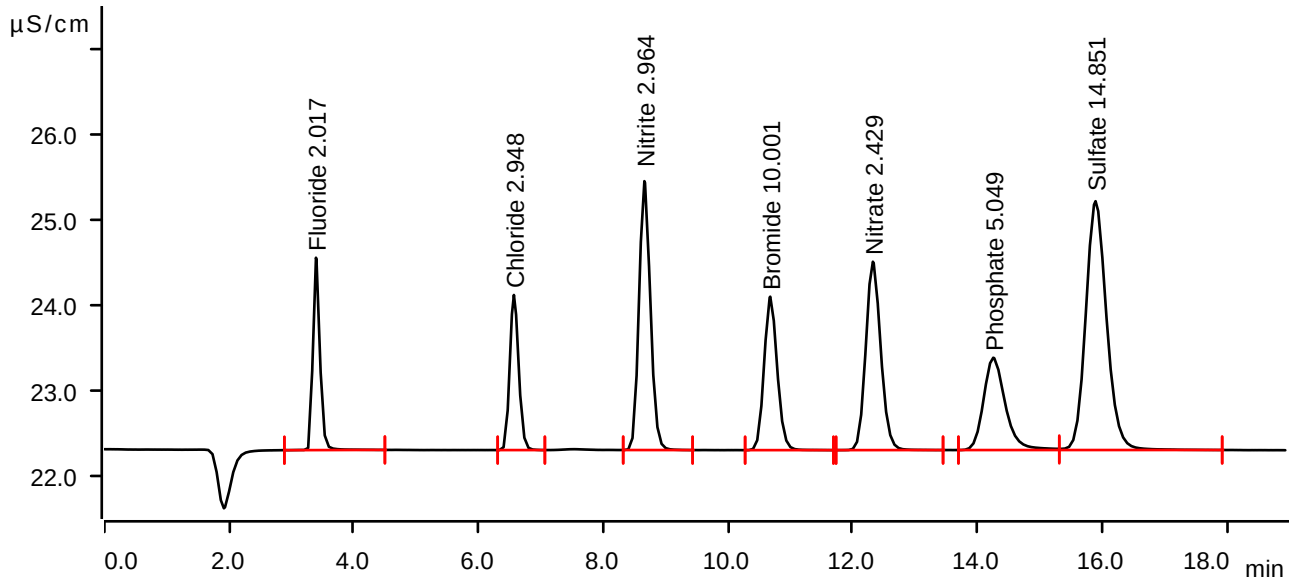
Sample data

Ident	CCV
Sample type	Check standard 1
Determination start	2025-09-11 14:20:56 UTC-4
Method	IC1-090925
Operator	

Anions

Data source	Conductivity detector 1 (Eco IC 1)	
Channel	Conductivity	
Recording time	19.0	min
Integration	Automatically	
Column type	Metrosep A Supp 19 - 150/4.0	
Eluent composition	not defined	
Flow	0.700	mL/min
Maximum flow monitored	yes	
Pressure	12.61	MPa
Maximum pressure monitored	yes	
Temperature	-----	°C

Anions



Peak number	Retention time min	Area (µS/cm) x min	Height µS/cm	Concentration ppm	Component name
1	3.393	0.2948	2.253	2.017	Fluoride
2	6.567	0.3009	1.817	2.948	Chloride
3	8.658	0.6660	3.150	2.964	Nitrite
4	10.677	0.4387	1.798	10.001	Bromide
5	12.322	0.6143	2.207	2.429	Nitrate
6	14.252	0.4372	1.081	5.049	Phosphate
7	15.892	1.1317	2.915	14.851	Sulfate

Reviewed By:Iwon
On:9/16/2025 9:27 AM
Inst Id :IC-1
LB :LB137172

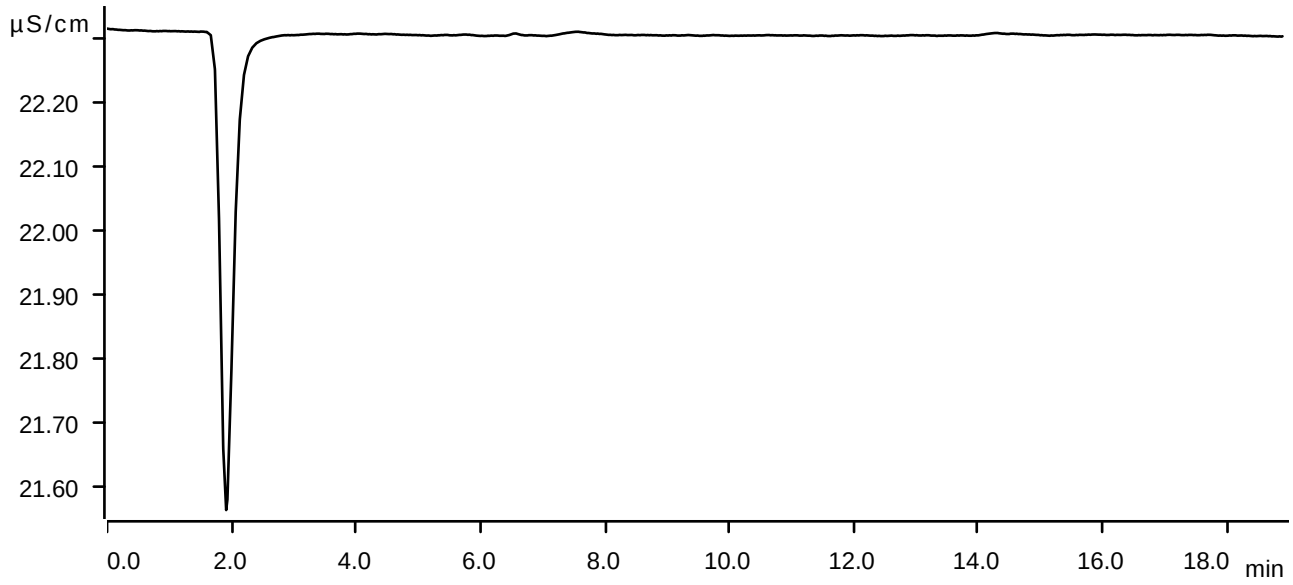
Sample data

Ident	CCB	
Sample type	Sample	
Determination start	2025-09-11 14:42:15 UTC-4	
Method	IC1-090925	
Operator		

Anions

Data source	Conductivity detector 1 (Eco IC 1)	
Channel	Conductivity	
Recording time	19.0	min
Integration	Automatically	
Column type	Metrosep A Supp 19 - 150/4.0	
Eluent composition	not defined	
Flow	0.700	mL/min
Maximum flow monitored	yes	
Pressure	12.73	MPa
Maximum pressure monitored	yes	
Temperature	-----	°C

Anions



LB137171
LB137172

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Anions-091125 **WorkList ID :** 191821 **Department :** Wet-Chemistry **Date :** 09-11-2025 10:21:26

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3019-05	WP0925-PT-MIN1-WP	Water	Anions Group1	Cool 4 deg C	ALLI03	QA Of	09/02/2025	300.0
Q3019-06	WP0925-PT-MIN1-WP	Water	Anions Group1	Cool 4 deg C	ALLI03	QA Of	09/02/2025	9056A
Q3019-11	WP0925-PT-NUT1-WP	Water	Anions Group2	Cool 4 deg C	ALLI03	QA Of	09/02/2025	300.0
Q3019-12	WP0925-PT-NUT1-WP	Water	Anions Group2	Cool 4 deg C	ALLI03	QA Of	09/02/2025	9056A
Q3019-15	WP0925-PT-NUT3-WP	Water	Anions Group4	Cool 4 deg C	ALLI03	QA Of	09/02/2025	300.0
Q3019-16	WP0925-PT-NUT3-WP	Water	Anions Group5	Cool 4 deg C	ALLI03	QA Of	09/02/2025	9056A

Date/Time 09/11/25 10:30
Raw Sample Received by: IZ (WC)
Raw Sample Relinquished by: SI (QAO)

Date/Time NA
Raw Sample Received by: "
Raw Sample Relinquished by: "

Reviewed By:Iwona
On:9/16/2025 9:27:29 AM
Inst Id :IC-1
LB :LB137172

Reviewed
By:JIGNESH
On:9/12/2025 2:12:41 PM
Inst Id :Imhoff Cone

Analytical Summary Report

Analysis Method: SM2540 F
Parameter: Settleable Solids
Run Number: LB137174

ANALYST: Iwona
SUPERVISOR REVIEW BY: JIGNESH

Seq	Lab ID	Dilution	Result (ml/L)	Anal Date	Anal Time
1	Q3019-30	1	42.00	09/12/2025	12:15

WORKLIST(Hardcopy Internal Chain)

LB137174

WorkList Name : SETTSOL-091225 **WorkList ID :** 191847 **Department :** Wet-Chemistry **Date :** 09-12-2025 11:45:08

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3019-30	WP0925-PT-SSOL-WP	Water	Settleable Solids	Cool 4 deg C	ALLI03	QA Of	09/02/2025	SM2540 F

Date/Time 09/12/25 11:50

Raw Sample Received by: 12(JC)

Raw Sample Relinquished by: SJ (QAO)

Date/Time NA

Raw Sample Received by:

Raw Sample Relinquished by:

Reviewed By:JIGNESH On:9/12/2025 2:12:41 PM Inst Id :lmhoff Cone

Reviewed
By:JIGNESH
On:9/12/2025 3:50:48 PM
Inst Id :WC

Analytical Summary Report

Analysis Method: SM2510 B
Parameter: Conductance
Run Number: LB137175

ANALYST: Iwona
SUPERVISOR REVIEW BY: JIGNESH
Meter ID: WC CONDUCTANCE METER-1
Thermometer ID: WC PH METER-1

Reagent/Standard	Lot/Log #
conductivity standard	WP114749

Seq	Lab ID	True Value (mg/L)	Dilution	Temperature °C	Reading (umho/cm)	Result (umho/cm)	Anal Date	Anal Time
1	LB137175BL		1	22.5	0.79	0.83	09/12/2025	13:35
2	LB137175BS	1413	1	22.4	1344.00	1414.23	09/12/2025	13:40
3	Q3019-07		1	22.3	753.00	793.94	09/12/2025	13:45
4	Q3019-07DUP		1	22.2	754.00	796.60	09/12/2025	13:50

Note : Conductivity result is corrected to 25°C

$$\text{Result} = \frac{\text{(Reading)}}{1 + 0.0191\ (\text{Temperature} - 25)}$$

LB 137175
LB 137176
LB 137177

WORKLIST(Hardcopy Internal Chain)

WorkList Name : CONDUCTANCE-091225 **WorkList ID :** 191849 **Department :** Wet-Chemistry **Date :** 09-12-2025 12:56:26

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3019-07	WP0925-PT-COND-W	Water	Conductance	Cool 4 deg C	ALLI03	QA Of	09/02/2025	SM2510 B
Q3019-08	WP0925-PT-COND-WP	Water	Conductance	Cool 4 deg C	ALLI03	QA Of	09/02/2025	120.1
Q3019-09	WP0925-PT-COND-WP	Water	Conductance	Cool 4 deg C	ALLI03	QA Of	09/02/2025	9050A

Date/Time 09/12/25 13:20
Raw Sample Received by: 12(WC)
Raw Sample Relinquished by: SJ (QC)

Date/Time NA
Raw Sample Received by: 11
Raw Sample Relinquished by: 11

Reviewed By:JIGNESH On:9/12/2025 3:50:48 PM Inst Id :WC

Reviewed
By:JIGNESH
On:9/12/2025 3:51:08 PM
Inst Id :WC

Analytical Summary Report

Analysis Method: 120.1
Parameter: Conductance
Run Number: LB137176

ANALYST: Iwona
SUPERVISOR REVIEW BY: JIGNESH
Meter ID: WC CONDUCTANCE METER-1
Thermometer ID: WC PH METER-1

Reagent/Standard	Lot/Log #
conductivity standard	WP114749

Seq	Lab ID	True Value (mg/L)	Dilution	Temperature °C	Reading (umho/cm)	Result (umho/cm)	Anal Date	Anal Time
1	LB137176BL		1	22.5	0.79	0.83	09/12/2025	13:35
2	LB137176BS	1413	1	22.4	1344.00	1414.23	09/12/2025	13:40
3	Q3019-08		1	22.3	753.00	793.94	09/12/2025	13:45
4	Q3019-08DUP		1	22.2	754.00	796.60	09/12/2025	13:50

Note : Conductivity result is corrected to 25°C

$$\text{Result} = \frac{\text{(Reading)}}{1 + 0.0191\ (\text{Temperature} - 25)}$$

LB 137175
LB 137176
LB 137177

WORKLIST(Hardcopy Internal Chain)

WorkList Name : CONDUCTANCE-091225 **WorkList ID :** 191849 **Department :** Wet-Chemistry **Date :** 09-12-2025 12:56:26

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3019-07	WP0925-PT-COND-W	Water	Conductance	Cool 4 deg C	ALLI03	QA Of	09/02/2025	SM2510 B
Q3019-08	WP0925-PT-COND-WP	Water	Conductance	Cool 4 deg C	ALLI03	QA Of	09/02/2025	120.1
Q3019-09	WP0925-PT-COND-WP	Water	Conductance	Cool 4 deg C	ALLI03	QA Of	09/02/2025	9050A

Date/Time 09/12/25 13:20
Raw Sample Received by: 12(WC)
Raw Sample Relinquished by: SJ (QC)

Date/Time NA
Raw Sample Received by: 11
Raw Sample Relinquished by: 11

Reviewed By:JIGNESH On:9/12/2025 3:51:08 PM Inst Id :WC

Reviewed
By:JIGNESH
On:9/12/2025 3:51:21 PM
Inst Id :WC

Analytical Summary Report

Analysis Method: 9050A
Parameter: Conductance
Run Number: LB137177

ANALYST: Iwona
SUPERVISOR REVIEW BY: JIGNESH
Meter ID: WC CONDUCTANCE METER-1
Thermometer ID: WC PH METER-1

Reagent/Standard	Lot/Log #
conductivity standard	WP114749

Seq	Lab ID	True Value (mg/L)	Dilution	Temperature °C	Reading (umho/cm)	Result (umho/cm)	Anal Date	Anal Time
1	LB137177BL		1	22.5	0.79	0.83	09/12/2025	13:35
2	LB137177BS	1413	1	22.4	1344.00	1414.23	09/12/2025	13:40
3	Q3019-09		1	22.3	753.00	793.94	09/12/2025	13:45
4	Q3019-09DUP		1	22.2	754.00	796.60	09/12/2025	13:50

Note : Conductivity result is corrected to 25°C

$$\text{Result} = \frac{\text{(Reading)}}{1 + 0.0191\ (\text{Temperature} - 25)}$$

LB 137175
LB 137176
LB 137177

WORKLIST(Hardcopy Internal Chain)

WorkList Name : CONDUCTANCE-091225 **WorkList ID :** 191849 **Department :** Wet-Chemistry **Date :** 09-12-2025 12:56:26

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3019-07	WP0925-PT-COND-W	Water	Conductance	Cool 4 deg C	ALLI03	QA Of	09/02/2025	SM2510 B
Q3019-08	WP0925-PT-COND-WP	Water	Conductance	Cool 4 deg C	ALLI03	QA Of	09/02/2025	120.1
Q3019-09	WP0925-PT-COND-WP	Water	Conductance	Cool 4 deg C	ALLI03	QA Of	09/02/2025	9050A

Date/Time 09/12/25 13:20
Raw Sample Received by: 12(WC)
Raw Sample Relinquished by: SJ (QC)

Date/Time NA
Raw Sample Received by: 11
Raw Sample Relinquished by: 11

Reviewed By:JIGNESH On:9/12/2025 3:51:21 PM Inst Id :WC

Reviewed
By:JIGNESH
On:9/18/2025 11:59:55 AM
Inst Id :Nessler Tubes

Analytical Summary Report

Analysis Method: SM2120 B
Reviewed By: Iwona
Parameter: Color
Supervisor Review By: JIGNESH
Run Number: LB137195
pH Meter ID: PH METER-1

Reagent/Standard	Lot/Log #
Calibration std, 0 color unit	WP114756
Calibration std, 5 color unit	WP114757
Calibration std, 10 color unit	WP114758
Calibration std, 15 color unit	WP114759
Calibration std, 20 color unit	WP114760
Calibration std, 25 color unit	WP114761
Calibration std, 30 color unit	WP114762
Calibration std, 40 color unit	WP114763
Calibration std, 50 color unit	WP114764
Calibration std, 60 color unit	WP114765
Calibration std, 70 color unit	WP114766
Calibration std, 100 color unit	WP114767

Seq	LabID	ClientID	DL	pH Reading	pH Adjustment	Result (cu)	Anal Date	Anal Time
1	LB137195BL	LB137195BL	1	5.02	N/A	0.00	09/15/2025	13:40
2	Q3019-27	WP0925-PT-COL-WP	1	1.12	N/A	50.00	09/15/2025	13:45
3	Q3019-27DUP	WP0925-PT-COL-WPDUP	1	1.11	N/A	50.00	09/15/2025	13:50

WORKLIST(Hardcopy Internal Chain)

LB137195

WorkList Name : COLOR-091525 **WorkList ID :** 191879 **Department :** Wet-Chemistry **Date :** 09-15-2025 13:10:44

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3019-27	WP0925-PT-COL-WP	Water	Color	Cool 4 deg C	ALLI03	QA Of	09/02/2025	SM2120 B

Date/Time 09/15/25 13:20

Raw Sample Received by: 12(JC)

Raw Sample Relinquished by: SJ (QAd)

Date/Time NA

Raw Sample Received by:

Raw Sample Relinquished by:

Reviewed By:JIGNESH On:9/18/2025 11:59:55 AM Inst Id :Nessler Tubes

Reviewed
By:JIGNESH
On:9/18/2025 11:59:46 AM
Inst Id :Titrametric

CHEMTECH

Analytical Summary Report

Analysis Method: SM4500-CL C
Parameter: Chloride
Run Number: LB137196

ANALYST: Iwona
SUPERVISOR REVIEW BY: JIGNESH
Constant: 35450
Normality1: 0.1410

Reagent/Standard	Lot/Log #
HNO3 0.1N for Chloride	WP114769
Chloride LCS Std - 500ppm	WP114771
Mixed indicator reagent for Chloride more than 100ppm	WP114768
Mercuric Nitrate, 0.141 N, 500ml	W3095

Seq	Lab ID	True Value (mg/L)	Dilution	Sample Volume (mL)	Titrant Initial (ml)	Titrant Final (ml)	Titrant Diff. (ml)	Result (mg/L)	Anal Date	Anal Time
1	LB137196BL		1	50	0.00	0.02	0.02	0.00	09/15/2025	15:30
2	LB137196BS	500	1	20	0.00	1.96	1.96	484.85	09/15/2025	15:37
3	Q3019-05		1	50	0.00	1.76	1.76	173.95	09/15/2025	15:45

Titrant Diff = TitrantFinal - TitrantInitial

Result = (Titrant Diff - Row Blank Value * Normality)) * Constant / Sa

WORKLIST(Hardcopy Internal Chain)

LB137196

WorkList Name : CHLORIDE-091525 **WorkList ID :** 191878 **Department :** Wet-Chemistry **Date :** 09-15-2025 15:10:23

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3019-05	WP0925-PT-MIN1-WP	Water	Chloride	Cool 4 deg C	ALLI03	QA Of	09/02/2025	SM4500-CL C

Date/Time 09/15/25 15:15

Raw Sample Received by: 12 (~C)

Raw Sample Relinquished by: SJ (QAO)

Date/Time NA

Raw Sample Received by: "

Raw Sample Relinquished by: "

Reviewed By:JIGNESH On:9/18/2025 11:59:46 AM Inst Id :Titrametric

Reviewed By:Iwona
On:11/10/2025 9:25:42 AM
Inst Id :DO METER
LB :LB137208

CBOD5 LOG

ANALYST: rubir
SUPERVISOR: Iwona

QC BATCH ID: LB137208
Analysis Date: 09/17/2025
BOD Water: WP114800
MANGANOUS SULFATE SOLUTION: W3103
Starch: W3149
Alkaline Iodide Azide: W3109
Sulfuric acid, 1N: WP112832
Sodium Thiosulfate, 0.025N: W3105
POLYSEED: WP114802
NaOH, 1N: WP113878
GGA: WP114801
IncubatorID: INCUBATOR #3
Chlorine Strips: W3155
GuageID: 0511064
pH Strips: W3215
Zero DO: WP114418
Nitrification Inhibitor: W3064

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	9.8	19.4	9.6	9.6

Meter Calibration1: 9.24 Zero DO Reading1: 0.15 mg/L (<=0.2 Criteria)

Barometric Pressure1: 760 mmHg DO Meter BOD fluid reading for winkler comparison: 9.69

After Incubation

Meter Calibration2: 8.79 Zero DO Reading2: 0.12 mg/L (<=0.2 Criteria)

Barometric Pressure2: 760 mmHg

Reviewed By:Iwona
On:11/10/2025 9:25:42 AM
Inst Id :DO METER
LB :LB137208

Alliance TECHNICAL GROUP

QC BATCH ID: LB137208

INCUBATOR TEMP IN(C): 20.0

INCUBATOR TEMP OUT(C): 19.8

TIME IN: 09:30

TIME OUT: 10:00

DATE IN: 09/17/2025

DATE OUT: 09/22/2025

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
LB137208BL	1	No	6.63	N/A	20.90	300	9.69	9.67	0.02	0.02	0.02	
POLYSEED	1					10	9.65	6.16	3.49	0.7	0.72	
POLYSEED	2					15	9.61	4.02	5.59	0.75		
POLYSEED	3					20	9.59	2.62	6.97	0.7		
GGA	1					6	9.65	5.57	4.08	168	175.17	
GGA	2					6	9.62	5.35	4.27	177.5		
GGA	3					6	9.62	5.30	4.32	180		
Q3019-03	1	No	2.61	7.16	20.90	1	9.67	8.64	-	0	53.85	pH Adjuste
Q3019-03	2					5	9.64	8.28	-	0		
Q3019-03	3					20	9.54	5.23	4.31	53.85		
Q3019-03	4					50	9.25	0.20	-	0		
Q3019-03	5					100	8.84	0.17	-	0		
Q3102-01	1	No	7.00	N/A	20.00	5	9.63	6.57	3.06	140.4	116.1	
Q3102-01	2					20	9.59	2.75	6.84	91.8		
Q3102-01	3					50	9.30	0.39	-	0		
Q3102-01	4					150	7.52	0.10	-	0		
Q3102-01DUP	1	No	7.00	N/A	20.00	5	9.61	6.41	3.2	148.8	120.6	
Q3102-01DUP	2					20	9.58	2.70	6.88	92.4		
Q3102-01DUP	3					50	9.28	0.51	-	0		
Q3102-01DUP	4					150	7.53	0.12	-	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.

WORKLIST(Hardcopy Internal Chain)

LB137208

WorkList Name : cbod5-9-16 **WorkList ID :** 191895 **Department :** Wet-Chemistry **Date :** 09-16-2025 13:51:42

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3019-03	WP0925-PT-DEM-WP	Water	CBOD5	Cool 4 deg C	ALLI03	QA Of	09/02/2025	SM5210 B
Q3102-01	UAS-WAYNE	Water	CBOD5	Cool 4 deg C	URBA02	D12	09/15/2025	SM5210 B

Date/Time 09/17/2025 0800

Raw Sample Received by: RM (WC)

Raw Sample Relinquished by: JPC(QC)

Date/Time 09/17/2025 09

Raw Sample Received by: JPC(QC)

Raw Sample Relinquished by: RM (WC)

Reviewed By:lwona
On:11/10/2025 9:25:42 AM
Inst Id :DO METER
LB :LB137208

Reviewed By:Iwona
On:9/18/2025 11:26:47 AM
Inst Id :Konelab 20
LB :LB137211

LB137

Test results | Aquakem 7.2AQ1 | Page: 1

Alliance Technical Group
284 Sheffield Street, Mountainside, NJ 07092

Reviewed by : RM | Instrument ID : Konelab

9/17/2025 11:15

Test: Ammonia-N

Sample Id	Result	Dil. 1 +	Response	Errors
ICV1	1.004	0.0	0.208	
ICB1	0.025	0.0	0.019	
CCV1	1.001	0.0	0.207	
CCB1	0.017	0.0	0.017	
RL CHECK	0.092	0.0	0.032	92% (50-150) 09/17/2025 RM
PB169716BL	0.023	0.0	0.018	
PB169716BS	1.011	0.0	0.209	
Q3019-11	16.815	0.0	3.256	Init abs., Test limit hig
CCV2	0.997	0.0	0.206	
CCB2	0.022	0.0	0.018	
Q3019-11DLX10	1.559	0.0	0.315	
CCV3	0.997	0.0	0.206	
CCB3	0.017	0.0	0.017	

N	13
Mean	1.814
SD	4.5409
CV%	250.33

Reviewed By:Iwona
On:9/18/2025 11:26:47 AM
Inst Id :Konelab 20
LB :LB137211

Aquakem v. 7.2AQ1
Results from time period:
Wed Sep 17 09:51:40 2025
Wed Sep 17 11:10:42 2025

Sample Id	Sam/Ctr/cA	Test short r	Test type	Result	Result unit	Result date and time	Stat
0.0PPM	A	Ammonia-N	P	0.0158	mg/l	9/17/2025 9:51:40	
0.1PPM	A	Ammonia-N	P	0.1105	mg/l	9/17/2025 9:51:41	
0.2PPM	A	Ammonia-N	P	0.2043	mg/l	9/17/2025 9:51:42	
0.4PPM	A	Ammonia-N	P	0.3948	mg/l	9/17/2025 9:51:43	
1.0PPM	A	Ammonia-N	P	0.9768	mg/l	9/17/2025 9:51:44	
1.3PPM	A	Ammonia-N	P	1.292	mg/l	9/17/2025 9:51:45	
2.0PPM	A	Ammonia-N	P	2.0392	mg/l	9/17/2025 9:51:46	
ICV1	S	Ammonia-N	P	1.0044	mg/l	9/17/2025 10:32:12	
ICB1	S	Ammonia-N	P	0.0253	mg/l	9/17/2025 10:32:15	
CCV1	S	Ammonia-N	P	1.0014	mg/l	9/17/2025 10:32:16	
CCB1	S	Ammonia-N	P	0.0171	mg/l	9/17/2025 10:32:19	
RL CHECK	S	Ammonia-N	P	0.0917	mg/l	9/17/2025 10:32:22	
PB169716BL	S	Ammonia-N	P	0.023	mg/l	9/17/2025 10:42:54	
PB169716BS	S	Ammonia-N	P	1.0108	mg/l	9/17/2025 10:42:56	
Q3019-11	S	Ammonia-N	P	16.8152	mg/l	9/17/2025 10:43:01	
CCV2	S	Ammonia-N	P	0.9969	mg/l	9/17/2025 10:43:05	
CCB2	S	Ammonia-N	P	0.0221	mg/l	9/17/2025 10:47:49	
Q3019-11DLX10	S	Ammonia-N	P	1.559	mg/l	9/17/2025 11:10:33	
CCV3	S	Ammonia-N	P	0.9974	mg/l	9/17/2025 11:10:39	
CCB3	S	Ammonia-N	P	0.0169	mg/l	9/17/2025 11:10:41	

Reviewed By:Iwona
On:9/18/2025 11:26:47 AM
Inst Id :Konelab 20
LB :LB137211

Calibration results Aquakem 7.2AQ1 Page: 1

Alliance Technical Group
284 Sheffield Street, Mountainside, NJ 07092

Reviewed by : RM Instrument ID : Konelab

9/17/2025 10:02

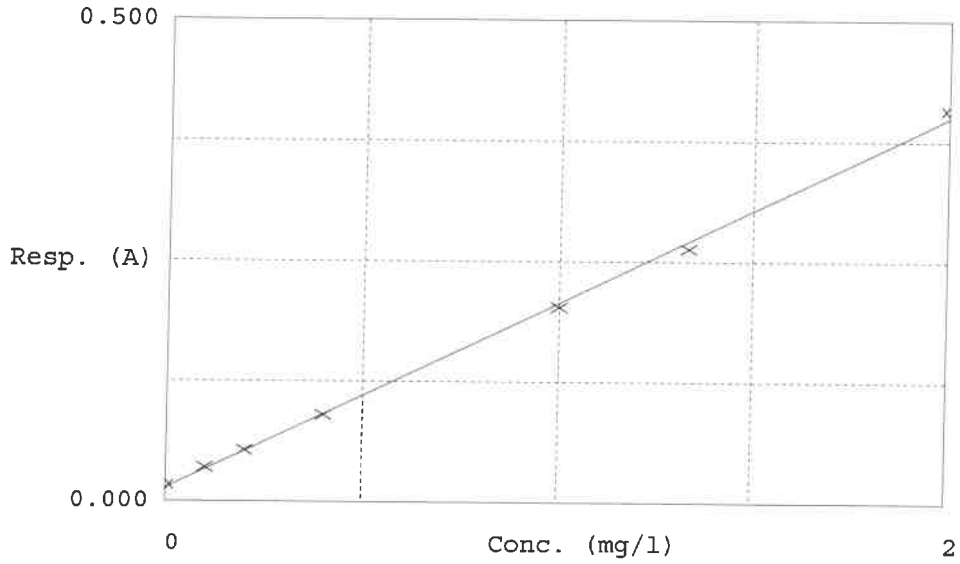
Test Ammonia-N

Accepted 9/17/2025 10:02

Factor 5.186
Bias 0.014

Coeff. of det. 0.998758

Errors



	Calibrator	Response	Calc. con.	Conc.	Errors
1	0.00PPM	0.017	0.0158	0.0000	-
2	NH3-2PPM	0.035	0.1105	0.1000	10.5
3	NH3-2PPM	0.053	0.2043	0.2000	2.2
4	NH3-2PPM	0.090	0.3948	0.4000	-1.3
5	NH3-2PPM	0.202	0.9768	1.0000	-2.3
6	NH3-2PPM	0.263	1.2920	1.3333	-0.6
7	NH3-2PPM	0.407	2.0392	2.0000	2.0

09/17/2025
RM

LB137214

Reviewed By:Iwona
On:9/18/2025 11:26:53 AM
Inst Id :Konelab 20
LB :LB137214

Test results | Aquakem 7.2AQ1 | Page: 1

Alliance Technical Group
284 Sheffield Street, Mountainside, NJ 07092

Reviewed by : RM | Instrument ID : Konelab

9/17/2025 13:34

Test: TKN-NH3

Sample Id	Result	Dil. 1 +	Response	Errors
ICV1	5.011	0.0	1.019	
ICB1	0.094	0.0	0.018	
CCV1	4.820	0.0	0.980	
CCB1	0.089	0.0	0.017	
RL CHECK	0.471	0.0	0.095	
PB169715BL	0.092	0.0	0.017	
PB169715BS	5.088	0.0	1.034	
Q2893-09	0.318	0.0	0.063	
Q3019-13	9.791	0.0	1.992	
PB169714BL	0.096	0.0	0.018	
PB169714BS	5.108	0.0	1.039	
Q2893-03	0.326	0.0	0.065	
CCV2	5.150	0.0	1.047	
CCB2	0.099	0.0	0.019	

94% (50–150)
09/17/2025
RM

N	14
Mean	2.611
SD	3.1348
CV%	120.07

Reviewed By:Iwona
On:9/18/2025 11:26:53 AM
Inst Id :Konelab 20
LB :LB137214

Aquakem v. 7.2AQ1
Results from time period:
Wed Sep 17 11:42:23 2025
Wed Sep 17 12:55:01 2025

Sample Id	Sam/Ctr/cA	Test short r	Test type	Result	Result unit	Result date and time	Stat
0.0PPM	A	TKN-NH3	P	0.1154	mg/l	9/17/2025 11:42:23	
0.5PPM	A	TKN-NH3	P	0.5289	mg/l	9/17/2025 11:42:24	
1.0PPM	A	TKN-NH3	P	0.997	mg/l	9/17/2025 11:42:25	
2.5PPM	A	TKN-NH3	P	2.4274	mg/l	9/17/2025 11:42:26	
5.0PPM	A	TKN-NH3	P	4.8682	mg/l	9/17/2025 11:42:27	
6.7PPM	A	TKN-NH3	P	6.6071	mg/l	9/17/2025 11:42:28	
10.0PPM	A	TKN-NH3	P	10.1226	mg/l	9/17/2025 11:42:29	
ICV1	S	TKN-NH3	P	5.0112	mg/l	9/17/2025 12:27:29	
ICB1	S	TKN-NH3	P	0.0937	mg/l	9/17/2025 12:27:30	
CCV1	S	TKN-NH3	P	4.8202	mg/l	9/17/2025 12:27:32	
CCB1	S	TKN-NH3	P	0.0885	mg/l	9/17/2025 12:27:35	
RL CHECK	S	TKN-NH3	P	0.4707	mg/l	9/17/2025 12:27:38	
PB169715BL	S	TKN-NH3	P	0.092	mg/l	9/17/2025 12:38:12	
PB169715BS	S	TKN-NH3	P	5.0878	mg/l	9/17/2025 12:38:15	
Q2893-09	S	TKN-NH3	P	0.3176	mg/l	9/17/2025 12:38:16	
Q3019-13	S	TKN-NH3	P	9.7907	mg/l	9/17/2025 12:38:19	
PB169714BL	S	TKN-NH3	P	0.0962	mg/l	9/17/2025 12:49:00	
PB169714BS	S	TKN-NH3	P	5.1079	mg/l	9/17/2025 12:49:02	
Q2893-03	S	TKN-NH3	P	0.3256	mg/l	9/17/2025 12:49:05	
CCV2	S	TKN-NH3	P	5.1498	mg/l	9/17/2025 12:54:58	
CCB2	S	TKN-NH3	P	0.099	mg/l	9/17/2025 12:55:00	

Reviewed By:Iwona
On:9/18/2025 11:26:53 AM
Inst Id :Konelab 20
LB :LB137214

Calibration results Aquakem 7.2AQ1 Page: 1

Alliance Technical Group
284 Sheffield Street, Mountainside, NJ 07092

Reviewed by : RM Instrument ID : Konelab

9/17/2025 11:49

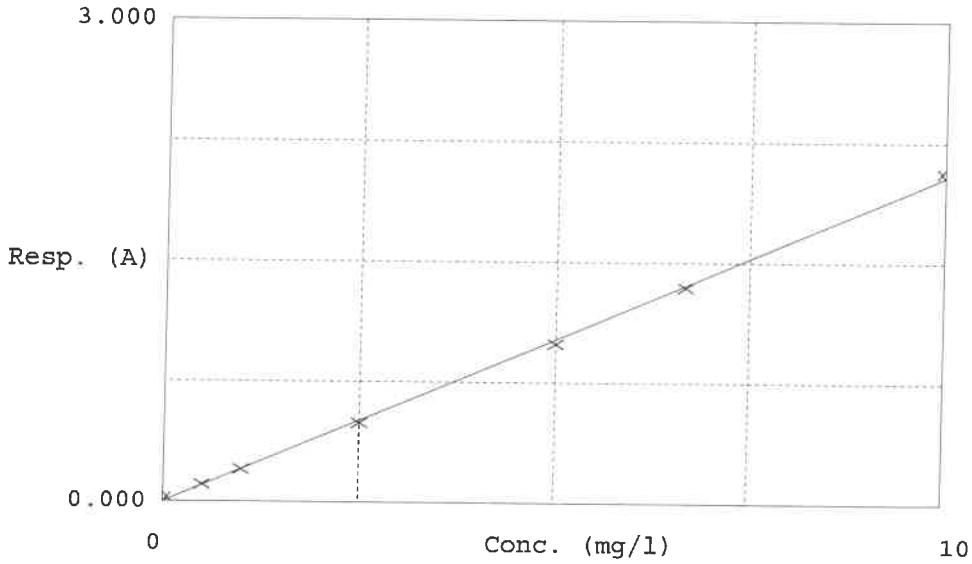
Test TKN-NH3

Accepted 9/17/2025 11:49

Factor 4.912
Bias -0.001

Coeff. of det. 0.999332

Errors



	Calibrator	Response	Calc. con.	Conc.	Errors
1	0.00PPM	0.022	0.1154	0.0000	–
2	TKN-10	0.106	0.5289	0.5000	5.8
3	TKN-10	0.202	0.9970	1.0000	-0.3
4	TKN-10	0.493	2.4274	2.5000	-2.9
5	TKN-10	0.990	4.8682	5.0000	-2.6
6	TKN-10	1.344	6.6071	6.6667	-1.4
7	TKN-10	2.059	10.1226	10.0000	1.2

09/17/2025
RM

Reviewed By:Iwona
On:10/7/2025 2:51:22 PM
Inst Id :DO METER
LB :LB137215

BOD5 LOG

ANALYST: rubir
SUPERVISOR: Iwona

QC BATCH ID: LB137215
Analysis Date: 09/17/2025
BOD Water: WP114800
MANGANOUS SULFATE SOLUTION: W3103
Starch: W3149
Alkaline Iodide Azide: W3109
Sulfuric acid, 1N: WP112832
Sodium Thiosulfate, 0.025N: W3105
POLYSEED: WP114802
NaOH, 1N: WP113878
GGA: WP114801
IncubatorID: INCUBATOR #3
Chlorine Strips: W3155
GuageID: 0511064
pH Strips: W3215
Zero DO: WP114418

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	9.8	19.4	9.6	9.6

Meter Calibration1: 9.24 Zero DO Reading1: 0.15 mg/L (<=0.2 Criteria)

Barometric Pressure1: 760 mmHg DO Meter BOD fluid reading for winkler comparison: 9.69

After Incubation

Meter Calibration2: 8.79 Zero DO Reading2: 0.12 mg/L (<=0.2 Criteria)

Barometric Pressure2: 760 mmHg

Alliance TECHNICAL GROUP

QC BATCH ID: LB137215

INCUBATOR TEMP IN(C): 20.0

INCUBATOR TEMP OUT(C): 19.8

TIME IN: 10:15

TIME OUT: 10:00

DATE IN: 09/17/2025

DATE OUT: 09/22/2025

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
LB137215BL	1	No	6.63	N/A	20.90	300	9.69	9.67	0.02	0.02	0.02	
POLYSEED	1					10	9.67	6.16	3.51	0.7	0.72	
POLYSEED	2					15	9.64	4.02	5.62	0.75		
POLYSEED	3					20	9.60	2.48	7.12	0.71		
GGA	1					6	9.62	5.57	4.05	166.5	172.5	
GGA	2					6	9.60	5.40	4.2	174		
GGA	3					6	9.59	5.33	4.26	177		
Q3019-03	1	No	2.61	N/A	20.90	1	9.68	8.14	-	0	58.8	
Q3019-03	2					5	9.62	7.63	-	0		
Q3019-03	3					20	9.50	4.86	4.64	58.8		
Q3019-03	4					50	9.28	0.17	-	0		
Q3019-03	5					100	8.92	0.15	-	0		
Q3103-01	1	No	7.30	N/A	20.40	5	9.67	8.65	-	0	18.62	
Q3103-01	2					20	9.45	7.38	2.07	20.25		
Q3103-01	3					50	9.20	5.65	3.55	16.98		
Q3103-01	4					150	8.90	0.59	-	0		
Q3103-01DUP	1	No	7.30	N/A	20.40	5	9.65	8.58	-	0	19.55	
Q3103-01DUP	2					20	9.45	7.28	2.17	21.75		
Q3103-01DUP	3					50	9.21	5.60	3.61	17.34		
Q3103-01DUP	4					150	8.92	0.52	-	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.

WORKLIST(Hardcopy Internal Chain)

LB137215

WorkList Name : BOD5-09-16 **WorkList ID :** 191924 **Department :** Wet-Chemistry **Date :** 09-16-2025 16:53:41

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3019-03	WP0925-PT-DEM-WP	Water	BOD5	Cool 4 deg C	ALLI03	QA Of	09/02/2025	SM5210 B
Q3103-01	TW-WTS-14	Water	BOD5	Cool 4 deg C	ENTA05	J22	09/15/2025	SM5210 B

Date/Time 09/17/2025 08:00
Raw Sample Received by: RM (WS)
Raw Sample Relinquished by: (COC)

Date/Time 09/17/2025 10:7.5
Raw Sample Received by: (COC)
Raw Sample Relinquished by: RM (WS)

Reviewed By:Iwona
On:10/7/2025 2:51:22 PM
Inst Id :DO METER
LB :LB137215

Reviewed By:Iwona
On:9/24/2025 1:41:31 PM
Inst Id :WC PH METER-1

Analytical Summary Report

Analysis Method: SM 4500-H B
Analyst By : gorge
Parameter: pH
Supervisor Review By : Iwona
Run Number: LB137223
Slope : NA
pH Meter ID : Field-Meter

Calibration Standards	Chemtech Log#
PH 4 BUFFER SOLUTION	W3178
buffer solution pH 7 yellow	W3217
PH 10.01 BUFFER,COLOR CD 475ML	W3191
BUFFER PH 7.00 GREEN 1PINT PK6	W3093

True Value of ICV = 7.00 Control Limits[+/- 0.1].

True Value of CCV1 = 7.00 Control Limits[+/- 0.05].

True Value of CCV2 = 7.00 Control Limits[+/- 0.05].

Seq	LabID	DF	Matrix	Weight (gm)	Volume (ml)	Temperature (°C)	Result (pH)	Anal Date	Anal Time
1	CAL1	1	Water	NA	NA	21.1	4.02	09/18/2025	10:05
2	CAL2	1	Water	NA	NA	21.0	7.01	09/18/2025	10:10
3	CAL3	1	Water	NA	NA	21.1	10.02	09/18/2025	10:15
4	ICV	1	Water	NA	NA	21.2	7.02	09/18/2025	10:20
5	CCV1	1	Water	NA	NA	21.0	7.00	09/18/2025	10:25
6	Q3019-21	1	Water	NA	NA	21.3	5.82	09/18/2025	10:35
7	Q3019-21DUP	1	Water	NA	NA	21.3	5.81	09/18/2025	10:40
8	CCV2	1	Water	NA	NA	21.2	7.01	09/18/2025	10:45

LB 137223
LB 137224

WORKLIST(Hardcopy Internal Chain)

WorkList Name : pH-091825 **WorkList ID :** 191941 **Department :** Wet-Chemistry **Date :** 09-18-2025 09:21:32

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3019-20	WP0925-PT-PH-WP	Water	pH	Cool 4 deg C	ALLI03	QA Of	09/02/2025	9040C
Q3019-21	WP0925-PT-PH-WP	Water	pH	Cool 4 deg C	ALLI03	QA Of	09/02/2025	SM 4500-H B

Date/Time 9-18-25 0950
Raw Sample Received by: SM
Raw Sample Relinquished by: ST (QAO)

Date/Time N/A
Raw Sample Received by: N/A
Raw Sample Relinquished by: N/A

Reviewed By:Iwona
On:9/24/2025 1:41:31 PM
Inst Id :WC PH METER-1

Alliance Technical Group, LLC-Newark

284 Sheffield Street, Mountainside, NJ 07092 Tel. 908-789-8900 Fax 908-789-8922

FIELD SAMPLING LOG

Client Name: Alliance Technical Group
Client Address: 284 Sheffield St.
Client Rep on Site:
Sampling Date: 9-18-25
Arrival Time: NA Departure Time: NA

Project Name: NJ Waste Water PT
Project Location: Mountainside NJ
Cooler Custody Seal: N/A
Temperature Correction Factor (°C):

FIELD EQUIPMENT CALIBRATION

pH Calibration (SM4500-H B/9040C)				
	Calibration			ICV (± 0.1 pH unit)
	7.00 Buffer W 3217	4.00 Buffer W 3178	10.00 Buffer W 3191	7.00 Buffer W 3093
Time	1010	1005	1015	1020
Temp °C	21.0°C	21.1°C	21.1°C	21.2°C
pH	7.01	4.02	10.02	7.02

FIELD EQUIPMENT CALIBRATION

Specific Conductance (mS/cm) (99% -101%)/(mmho/cm) (SM2510 B/120.1/9050A)		
	Calibration (± 1%) (99% -101%)	ICV (± 1%) (99% -101%)
	WP	WP
Time		
Temp °C		
Reading (mS/cm)		

Sampler Signature/Date: 9/18/25

Supervisor Review/Date: 9/18/25

Reviewed By:Iwona
On:9/24/2025 1:41:31 PM
Inst Id :WC PH METER-1

Alliance Technical Group, LLC-Newark

284 Sheffield Street, Mountainside, NJ 07092 Tel. 908-789-8900 Fax 908-789-8922

FIELD SAMPLING LOG

Client Name: Alliance Technical Group

Client Address: 284 Sheffield St.

Client Rep on Site: _____

Sampling Date: 9-18-25

Arrival Time: NA Departure Time: NA

Project Name: NJ Waste Water PT

Project Location: Mountainside, NJ

Cooler Custody Seal: N/A

Temperature Correction Factor (°C): _____

FIELD SAMPLING INFORMATION

Sampling Location	Date/Time of sampling	Field Measurements			
		Date/Time of Analysis	pH	Temperature °C	Specific Conductance (mS/cm) (99% -101%)
CCV (W3217)	9-18-25 ~~10:23~~ 10:23 DV	9-18-25 - 10:25	7.0	21.0	N/A
Q3019-20	10:33	10:35	5.82	21.3	
Q3019-20 DUP	~~10:38~~ 10:38 DV	10:40	5.81	21.3	
CCV (W3217)	10:43	10:45	7.01	21.2	

Meter: YSI MPS, Model # 556, Serial # 085A0063

Sampler Signature/Date: 9/18/25

Supervisor Review/Date: Iwona Leyk 9/18/25

QA Control# A3041249

Reviewed By:Iwona
On:9/24/2025 1:41:31 PM
Inst Id :WC PH METER-1

Reviewed By:Iwona
On:9/24/2025 1:41:59 PM
Inst Id :WC PH METER-1

Analytical Summary Report

Analysis Method: 9040C
Parameter: pH
Run Number: LB137224

Analyst By : gorge
Supervisor Review By : Iwona
Slope : NA
pH Meter ID : Field-Meter

Calibration Standards	Chemtech Log#
PH 4 BUFFER SOLUTION	W3178
buffer solution pH 7 yellow	W3217
PH 10.01 BUFFER,COLOR CD 475ML	W3191
BUFFER PH 7.00 GREEN 1PINT PK6	W3093

True Value of ICV = 7.00 Control Limits[+/- 0.1].

True Value of CCV1 = 7.00 Control Limits[+/- 0.05].

True Value of CCV2 = 7.00 Control Limits[+/- 0.05].

Seq	LabID	DF	Matrix	Weight (gm)	Volume (ml)	Temperature (°C)	Result (pH)	Anal Date	Anal Time
1	CAL1	1	Water	NA	NA	21.1	4.02	09/18/2025	10:05
2	CAL2	1	Water	NA	NA	21.0	7.01	09/18/2025	10:10
3	CAL3	1	Water	NA	NA	21.1	10.02	09/18/2025	10:15
4	ICV	1	Water	NA	NA	21.2	7.02	09/18/2025	10:20
5	CCV1	1	Water	NA	NA	21.0	7.00	09/18/2025	10:25
6	Q3019-20	1	Water	NA	NA	21.3	5.82	09/18/2025	10:35
7	Q3019-20DUP	1	Water	NA	NA	21.3	5.81	09/18/2025	10:40
8	CCV2	1	Water	NA	NA	21.2	7.01	09/18/2025	10:45

Reviewed By:Iwona
On:9/22/2025 12:27:56 PM
Inst Id :SPECTROPHOTOME

Analytical Summary Report

Analysis Method: ~~SM3500-Cr B~~

Parameter: ~~Hexavalent Chromium~~

Run Number: ~~LB137233~~

ANALYST: rubina

SUPERVISOR REVIEW BY: Iwona

pH Meter ID: WC pH Meter-1

Reagent/Standard	Lot/Log #
Calibration Std. hexchrome 0.1 ppm	WP114809
Calibration Std. hexchrome 0.05 ppm	WP114808
calibration std. hexchrome 0.01 ppm	WP114806
calibration std. hexchrome 0 ppm	WP114805
hexavalent chromium color reagent	WP114755
0.2N SULFURIC ACID	WP114341
Calibration Std Hexachrome 0.025 ppm	WP114807
Hexavalent Chromium ICV-LCS Std	WP114812
Calibration and CCV std HexChrome 0.5PPM	WP114810
Calibration std HexChrome 1.0PPM	WP114811

Intercept: 0.001 **Slope:** 0.7563 **Regression:** 0.999985

Seq	Lab ID	True Value (mg/l)	DF	Initial Vol (ml)	Final Vol (ml)	pH HN03	pH H2SO4	Absorb.at 540nm		Absorbance Difference	Result (mg/L)	%D	Anal Date	Anal Time
								Backgrnd	Color					
1	CAL1	0	1	100	100		1.69	0.000	0.000	0.000	-0.00		09/18/2025	17:15
2	CAL2	0.01	1	100	100		1.81	0.000	0.008	0.008	0.009	-10	09/18/2025	17:15
3	CAL3	0.025	1	100	100		1.77	0.000	0.019	0.019	0.023	-8	09/18/2025	17:16
4	CAL4	0.05	1	100	100		1.80	0.000	0.038	0.038	0.048	-4	09/18/2025	17:16
5	CAL5	0.1	1	100	100		1.88	0.000	0.080	0.080	0.104	4	09/18/2025	17:17
6	CAL6	0.5	1	100	100		1.89	0.000	0.379	0.379	0.499	-0.2	09/18/2025	17:17
7	CAL7	1	1	100	100		1.92	0.000	0.757	0.757	0.999	-0.1	09/18/2025	17:18

Reviewed By:Iwona
On:9/22/2025 12:27:56 PM
Inst Id :SPECTROPHOTOME

Analytical Summary Report

Analysis Method: SM3500-Cr B
ANALYST: rubina
Parameter: Hexavalent Chromium
SUPERVISOR REVIEW BY: Iwona
Run Number: LB137233
pH Meter ID: WC pH Meter-1

Seq	Lab ID	True Value	DF	Initial Vol (ml/gm)	Final Vol (ml)	pH HN03	pH H2SO4	Absorb.at540nm		Absorbance Difference	Intermediate Result (mg/L)	Anal Date	Anal Time
								Backgrnd	Color				
1	ICV	0.5	1	100	100		1.90	0.000	0.373	0.373	0.492	09/18/2025	17:18
2	ICB		1	100	100		1.75	0.000	0.000	0.000	-0.001	09/18/2025	17:19
3	CCV1	0.5	1	100	100		1.88	0.000	0.390	0.390	0.514	09/18/2025	17:19
4	CCB1		1	100	100		1.72	0.000	0.000	0.000	-0.001	09/18/2025	17:20
5	RL Check	0.01	1	100	100		1.83	0.000	0.008	0.008	0.009	09/18/2025	17:20
6	LB137233BL		1	100	100		1.83	0.000	0.000	0.000	-0.001	09/18/2025	17:21
7	LB137233BS	0.5	1	100	100		1.90	0.000	0.407	0.407	0.537	09/18/2025	17:21
8	Q3019-02		1	100	100		2.01	0.000	0.614	0.614	0.811	09/18/2025	17:22
9	Q3135-01		1	100	100		1.99	0.000	0.000	0.000	-0.001	09/18/2025	17:22
10	Q3135-01DU		1	100	100		2.03	0.000	0.000	0.000	-0.001	09/18/2025	17:23
11	Q3135-01MS	1	2	100	100		2.01	0.000	0.372	0.372	0.491	09/18/2025	17:23
12	Q3135-01MS	1	2	100	100		2.04	0.000	0.374	0.374	0.493	09/18/2025	17:24
13	CCV2	0.5	1	100	100		2.06	0.000	0.393	0.393	0.518	09/18/2025	17:24
14	CCB2		1	100	100		2.03	0.000	0.000	0.000	-0.001	09/18/2025	17:25

Reviewed By:Iwona
On:9/22/2025 12:27:35 PM
Inst Id :SPECTROPHOTOME

Analytical Summary Report

Analysis Method: ~~7196A~~

Parameter: ~~Hexavalent Chromium~~

Run Number: ~~LB137249~~

ANALYST: rubina

SUPERVISOR REVIEW BY: Iwona

pH Meter ID: ph Meter-1

Reagent/Standard	Lot/Log #
Calibration Std. hexchrome 0.1 ppm	WP114832
Calibration Std. hexchrome 0.05 ppm	WP114831
calibration std. hexchrome 0.01 ppm	WP114829
calibration std. hexchrome 0 ppm	WP114828
hexavalent chromium color reagent	WP114755
5N sulfuric acid	WP112831
Calibration Std Hexachrome 0.025 ppm	WP114830
Hexavalent Chromium ICV-LCS Std	WP114835
Calibration and CCV std HexChrome 0.5PPM	WP114833
Calibration std HexChrome 1.0PPM	WP114834

Intercept: 0.0024 **Slope:** 0.7824 **Regression:** 0.999955

Seq	Lab ID	True Value (mg/l)	DF	Initial Vol (ml)	Final Vol (ml)	pH HN03	pH H2SO4	Absorb.at 540nm		Absorbance Difference	Result (mg/L)	%D	Anal Date	Anal Time
								Backgrnd	Color					
1	CAL1	0	1	100	100		2.05	0.000	0.000	0.000	-0.00		09/19/2025	15:10
2	CAL2	0.01	1	100	100		2.24	0.000	0.009	0.009	0.008	-20	09/19/2025	15:10
3	CAL3	0.025	1	100	100		1.87	0.000	0.021	0.021	0.023	-8	09/19/2025	15:11
4	CAL4	0.05	1	100	100		1.96	0.000	0.043	0.043	0.051	2	09/19/2025	15:11
5	CAL5	0.1	1	100	100		1.70	0.000	0.081	0.081	0.100	0	09/19/2025	15:12
6	CAL6	0.5	1	100	100		2.06	0.000	0.399	0.399	0.506	1.2	09/19/2025	15:12
7	CAL7	1	1	100	100		2.11	0.000	0.782	0.782	0.996	-0.4	09/19/2025	15:13

Reviewed By:Iwona
On:9/22/2025 12:27:35 PM
Inst Id :SPECTROPHOTOME

Alliance TECHNICAL GROUP

Analytical Summary Report

Analysis Method: 7196A

ANALYST: rubina

Parameter: Hexavalent Chromium

SUPERVISOR REVIEW BY: Iwona

Run Number: LB137249

pH Meter ID: ph Meter-1

Seq	Lab ID	True Value	DF	Initial Vol (ml/gm)	Final Vol (ml)	pH HN03	pH H2SO4	Absorb.at540nm		Absorbance Difference	Intermediate Result (mg/L)	Anal Date	Anal Time
								Backgrnd	Color				
1	ICV	0.5	1	100	100		2.16	0.000	0.394	0.394	0.501	09/19/2025	15:13
2	ICB		1	100	100		1.88	0.000	0.000	0.000	-0.003	09/19/2025	15:14
3	CCV1	0.5	1	100	100		2.32	0.000	0.402	0.402	0.511	09/19/2025	15:14
4	CCB1		1	100	100		2.08	0.000	0.000	0.000	-0.003	09/19/2025	15:15
5	RL Check	0.01	1	100	100		1.75	0.000	0.009	0.009	0.008	09/19/2025	15:15
6	LB137249BL		1	100	100		2.08	0.000	0.001	0.001	-0.002	09/19/2025	15:16
7	LB137249BS	0.5	1	100	100		1.96	0.000	0.412	0.412	0.524	09/19/2025	15:16
8	Q3019-01		1	100	100		1.90	0.000	0.641	0.641	0.816	09/19/2025	15:17
9	Q3151-02		1	100	100		2.06	0.000	0.006	0.006	0.005	09/19/2025	15:17
10	Q3151-02DU		1	100	100		2.24	0.000	0.006	0.006	0.005	09/19/2025	15:18
11	Q3151-02MS	1	2	100	100		1.94	0.000	0.392	0.392	0.498	09/19/2025	15:18
12	Q3151-02MS	1	2	100	100		1.67	0.000	0.393	0.393	0.499	09/19/2025	15:19
13	CCV2	0.5	1	100	100		2.06	0.000	0.399	0.399	0.507	09/19/2025	15:19
14	CCB2		1	100	100		2.14	0.000	0.001	0.001	-0.002	09/19/2025	15:20

Reviewed By:jignesh
On:11/10/2025 9:30:07 AM
Inst Id :SPECTROPHOTOME

Analytical Summary Report

Analysis Method: SM5220 D
Parameter: COD
Run Number: LB137264

ANALYST: Iwona
SUPERVISOR REVIEW BY: jignesh

Reagent/Standard	Lot/Log #
COD calibration std. 150 ppm	WP114659
COD calibration std. 100 ppm	WP114658
COD calibration std. 50 ppm	WP114656
COD calibration std. 10 ppm	WP114655
COD calibration std. 0 ppm	WP114654
COD ICV-LCS std, 50ppm	WP114661
COD calibration std. 75 ppm	WP114657
COD Digestion Vials Low Level 0-150Mg/L	W3229
COD CCV std, 50ppm	WP114846
COD ICV-LCS std, 50ppm	WP114847
RL CHECK	WP114848

Temp In(C): 148	**Date In:** 09/22/2025	**Time In:** 11:00
Temp Out(C): 151	**Date Out:** 09/22/2025	**Time Out:** 13:00

Intercept: 0.3943 **Slope:** 0.9887 **Regression:** 0.9996

Seq	Lab ID	TrueValue (mg/l)	DF	MATRIX	Reading	Result (mg/l)	%D	Anal Date	Anal Time
1	CAL1	0	1	Water	0.000	-0.399		09/08/2025	13:30
2	CAL2	10	1	Water	9.000	8.704	-13	09/08/2025	13:30
3	CAL3	50	1	Water	51.000	51.184	2.4	09/08/2025	13:31
4	CAL4	75	1	Water	77.000	77.481	3.3	09/08/2025	13:31
5	CAL5	100	1	Water	98.000	98.721	-1.3	09/08/2025	13:32
6	CAL6	150	1	Water	148.000	149.293	-0.5	09/08/2025	13:32

Analytical Summary Report

Analysis Method: SM5220 D

ANALYST: Iwona

Parameter: COD

SUPERVISOR REVIEW BY: jignesh

Run Number: LB137264

Seq	Lab ID	True Value (mg/l)	Initial Weight (g)	Final Vol (ml)	DF	MATRIX	Reading	Result	AnalDate	AnalTime
1	ICV	50	NA	NA	1	Water	50.000	50.173	09/08/2025	13:33
2	ICB		NA	NA	1	Water	1.000	0.613	09/08/2025	13:33
3	CCV1	50	NA	NA	1	Water	51.000	51.184	09/22/2025	14:25
4	CCB1		NA	NA	1	Water	1.000	0.613	09/22/2025	14:25
5	RL Check	10	NA	NA	1	Water	11.000	10.727	09/22/2025	14:26
6	LB137264BL		NA	NA	1	Water	0.000	-0.399	09/22/2025	14:26
7	LB137264BS	50	NA	NA	1	Water	52.000	52.196	09/22/2025	14:27
8	Q3019-03		NA	NA	1	Water	83.000	83.550	09/22/2025	14:27
9	Q3093-01		NA	NA	20	Water	66.000	66.356	09/22/2025	14:28
10	Q3102-01		NA	NA	10	Water	47.000	47.138	09/22/2025	14:28
11	Q3135-01		NA	NA	5	Water	33.000	32.978	09/22/2025	14:29
12	Q3151-02		NA	NA	1	Water	3.000	2.635	09/22/2025	14:29
13	Q3151-02DUP		NA	NA	1	Water	3.000	2.635	09/22/2025	14:30
14	Q3151-02MS	50	NA	NA	1	Water	48.000	48.150	09/22/2025	14:30
15	Q3151-02MSD	50	NA	NA	1	Water	49.000	49.161	09/22/2025	14:31
16	CCV2	50	NA	NA	1	Water	50.000	50.173	09/22/2025	14:31
17	CCB2		NA	NA	1	Water	1.000	0.613	09/22/2025	14:32

WORKLIST(Hardcopy Internal Chain)

LB137265

WorkList Name : COD-092225 **WorkList ID :** 191996 **Department :** Wet-Chemistry **Date :** 09-22-2025 10:12:57

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3019-03	WP0925-PT-DEM-WP	Water	COD	Conc H2SO4 to pH < 2	ALLI03	QA Of	09/02/2025	SM5220 D
Q3093-01	MH-9-12-25	Water	COD	Conc H2SO4 to pH < 2	EURO03	D31	09/12/2025	SM5220 D
Q3102-01	UAS-WAYNE	Water	COD	Conc H2SO4 to pH < 2	URBA02	D12	09/15/2025	SM5220 D
Q3135-01	MH-121	Water	COD	Conc H2SO4 to pH < 2	PSEG03	D41	09/18/2025	SM5220 D
Q3151-02	1402	Water	COD	Conc H2SO4 to pH < 2	PSEG03	D31	09/19/2025	SM5220 D

Date/Time 09/22/25 10:20

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

Date/Time 09/22/25 11:30

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

Reviewed By:jignesh
On:11/10/2025 9:30:07 AM
Inst Id :SPECTROPHOTOME

Reviewed
By:JIGNESH
On:9/26/2025 12:12:51 PM
Inst Id

Analytical Summary Report

Analysis Method: SM4500-P E

Parameter: Phosphorus-Ortho

Run Number: LB137319

ANALYST: Iwona

SUPERVISOR REVIEW BY: JIGNESH

Reagent/Standard	Lot/Log #
calibration std. phosphate 1 ppm	WP114894
calibration std. phosphate 0.5 ppm	WP114893
calibration std. phosphate 0.3 ppm	WP114892
calibration std. phosphate 0.1 ppm	WP114891
calibration std. phosphate 0.05 ppm	WP114889
calibration std. 0 ppm	WP114888
phosphate CCV std.	WP114896
5N sulfuric acid	WP112831
Combined reagent	WP114919
Phenolphthalein indicator	WP113378
Sodium hydroxide, 1N	WP113878
Phosphate ICV-LCS Std	WP114895
Phosphate LOD-MDL Std 0.025ppm	WP114899
Phosphate RL CHECK	WP114897

Intercept: -0.0031 **Slope:** 0.6556 **Regression:** 0.999736

Seq	Lab ID	True Value (mg/L)	DF	Initial Volume (mL)	Final Volume (mL)	Absorbance Reading at 880nm	Result (mg/L)	%D	AnalDate	AnalTime
1	CAL1	0.00	1	50	50	0.000	0.005		09/25/2025	12:10
2	CAL2	0.05	1	50	50	0.032	0.054	8	09/25/2025	12:10
3	CAL3	0.10	1	50	50	0.065	0.104	4	09/25/2025	12:11
4	CAL4	0.30	1	50	50	0.182	0.282	-6	09/25/2025	12:11
5	CAL5	0.50	1	50	50	0.326	0.502	0.4	09/25/2025	12:12
6	CAL6	1.00	1	50	50	0.655	1.004	0.4	09/25/2025	12:12

Reviewed
By:JIGNESH
On:9/26/2025 12:12:51
PM
Inst Id

Analytical Summary Report

Analysis Method: SM4500-P E

ANALYST: Iwona

Parameter: Phosphorus-Ortho

SUPERVISOR REVIEW BY: JIGNESH

Run Number: LB137319

Seq	Lab ID	True Value (mg/l)	DF	Initial Volume (mL)	Final Volume (mL)	Absorbance Reading at 880nm	Result (mg/L)	AnalDate	AnalTime
1	ICV	0.50	1	50	50	0.321	0.494	09/25/2025	12:13
2	ICB		1	50	50	0.002	0.008	09/25/2025	12:13
3	CCV1	0.5	1	50	50	0.326	0.502	09/25/2025	12:14
4	CCB1		1	50	50	0.003	0.009	09/25/2025	12:14
5	RL Check	0.05	1	50	50	0.029	0.049	09/25/2025	12:15
6	LB137319BL		1	50	50	0.000	0.005	09/25/2025	12:15
7	LB137319BS	0.5	1	50	50	0.319	0.491	09/25/2025	12:16
8	Q2893-09		1	50	50	0.015	0.028	09/25/2025	12:16
9	Q3019-12		1	50	50	0.988	1.512	09/25/2025	12:17
10	Q3184-01		1	50	50	0.042	0.069	09/25/2025	12:17
11	Q3184-01DUP		1	50	50	0.043	0.070	09/25/2025	12:18
12	Q3184-01MS	0.5	1	50	50	0.387	0.595	09/25/2025	12:18
13	Q3184-01MSD	0.5	1	50	50	0.385	0.592	09/25/2025	12:19
14	Q3019-12		10	50	50	0.236	0.365	09/25/2025	12:19
15	CCV2	0.5	1	50	50	0.328	0.505	09/25/2025	12:20
16	CCB2		1	50	50	0.003	0.009	09/25/2025	12:20

WORKLIST(Hardcopy Internal Chain)

L3137319

WorkList Name : ORTHO PH- 092425 **WorkList ID :** 192077 **Department :** Wet-Chemistry **Date :** 09-24-2025 14:55:41

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2893-09	MDL-WATER-03-QT3-2025	Water	Phosphorus-Ortho	NONE	ALLI03	QA Of	08/18/2025	SM4500-P E
Q3019-12	WP0925-PT-NUT1-WP	Water	Phosphorus-Ortho	Cool 4 deg C	ALLI03	QA Of	09/02/2025	SM4500-P E
Q3184-01	EFFLUENT	Water	Phosphorus-Ortho	Cool 4 deg C	HOLL01	J52	09/24/2025	SM4500-P E

Date/Time 09/24/25 15:20
Raw Sample Received by: 12(JC)
Raw Sample Relinquished by: JP(LO1)

Date/Time 09/24/25 16:20
Raw Sample Received by: JP(LO2)
Raw Sample Relinquished by: 12(JC)

Reviewed By:JIGNESH On:9/26/2025 12:12:51 PM Inst Id

Reviewed
By:JIGNESH
On:9/26/2025 12:13:18 PM
Inst Id

Analytical Summary Report

Analysis Method: 365.3

Parameter: Phosphorus-Total

Run Number: LB137320

ANALYST: Iwona

SUPERVISOR REVIEW BY: JIGNESH

Reagent/Standard	Lot/Log #
calibration std. phosphate 1 ppm	WP114894
calibration std. phosphate 0.5 ppm	WP114893
calibration std. phosphate 0.3 ppm	WP114892
calibration std. phosphate 0.1 ppm	WP114891
calibration std. phosphate 0.05 ppm	WP114889
calibration std. 0 ppm	WP114888
phosphate CCV std.	WP114896
5N sulfuric acid	WP112831
Combined reagent	WP114919
Phenolphthalein indicator	WP113378
Sodium hydroxide, 1N	WP113878
Phosphate LOD-MDL Std 0.025ppm	WP114899
Phosphate RL CHECK	WP114897

Intercept: -0.0031 **Slope:** 0.6537 **Regression:** 0.999824

Seq	Lab ID	True Value (mg/L)	DF	Initial Volume (mL)	Final Volume (mL)	Absorbance Reading at 880nm	Result (mg/L)	%D	AnalDate	AnalTime
1	CAL1	0.00	1	50	50	0.000	0.005		09/25/2025	13:30
2	CAL2	0.05	1	50	50	0.033	0.055	10	09/25/2025	13:30
3	CAL3	0.10	1	50	50	0.062	0.1	0	09/25/2025	13:31
4	CAL4	0.30	1	50	50	0.184	0.286	-4.7	09/25/2025	13:31
5	CAL5	0.50	1	50	50	0.324	0.5	0	09/25/2025	13:32
6	CAL6	1.00	1	50	50	0.653	1.004	0.4	09/25/2025	13:32

Reviewed
By:JIGNESH
On:9/26/2025 12:13:18
PM
Inst Id

Analytical Summary Report

Analysis Method: 365.3
ANALYST: Iwona
Parameter: Phosphorus-Total
SUPERVISOR REVIEW BY: JIGNESH
Run Number: LB137320

Seq	Lab ID	True Value (mg/l)	DF	Initial Volume (mL)	Final Volume (mL)	Absorbance Reading at 880nm	Result (mg/L)	AnalDate	AnalTime
1	ICV	0.50	1	50	50	0.327	0.505	09/25/2025	13:33
2	ICB		1	50	50	0.003	0.009	09/25/2025	13:33
3	CCV1	0.50	1	50	50	0.325	0.502	09/25/2025	13:34
4	CCB1		1	50	50	0.004	0.011	09/25/2025	13:34
5	RL Check	0.05	1	50	50	0.024	0.041	09/25/2025	13:35
6	PB169837BL		1	50	50	0.002	0.008	09/25/2025	13:35
7	PB169837BS	0.50	1	50	50	0.329	0.508	09/25/2025	13:36
8	Q2893-09		1	50	50	0.012	0.023	09/25/2025	13:36
9	Q3019-13		1	50	50	1.078	1.654	09/25/2025	13:37
10	Q3184-01		1	50	50	0.075	0.119	09/25/2025	13:37
11	Q3184-01DUP		1	50	50	0.076	0.121	09/25/2025	13:38
12	Q3184-01MS	0.50	1	50	50	0.368	0.568	09/25/2025	13:38
13	Q3184-01MSD	0.50	1	50	50	0.363	0.560	09/25/2025	13:39
14	Q3019-13		10	50	50	0.317	0.490	09/25/2025	13:39
15	CCV2	0.50	1	50	50	0.318	0.491	09/25/2025	13:40
16	CCB2		1	50	50	0.002	0.008	09/25/2025	13:40

Reviewed By:Iwona
On:10/7/2025 12:58:20 PM
Inst Id :Titroline Alpha Titrator

TitriSoft Report

Ident	Amount	DateTime	Alkalinity	Final pH (sample)	Initial pH (sample)	slope	offset
LB137431BLW	100	~~06/10/2025~~ 12:15	0.00	4.56	4.58	101.4	7.02
LB137431BSW	100	06/10/2025 12:19	46.82	4.40	9.84	101.4	7.02
Q3019-05	50	06/10/2025 12:24	93.62	4.38	7.71	101.4	7.02
Q3202-01	50	06/10/2025 12:30	97.24	4.35	7.48	101.4	7.02
Q3202-01DUP	50	06/10/2025 12:34	96.06	4.33	7.49	101.4	7.02
Q3202-03	50	06/10/2025 12:37	28.48	4.36	6.92	101.4	7.02
Q3202-05	50	06/10/2025 12:42	49.60	4.28	7.22	101.4	7.02
Q9202-07	50	06/10/2025 12:46	51.28	4.35	6.99	101.4	7.02
Q9202-09	50	06/10/2025 12:50	10.24	4.21	6.24	101.4	7.02
Q3202-11	50	06/10/2025 12:55	229.68	4.43	7.93	101.4	7.02
Q3202-17	50	06/10/2025 12:59	112.64	4.41	8.09	101.4	7.02
Q3254-01	50	06/10/2025 13:04	57.68	4.25	7.01	101.4	7.02
Q3254-03	50	06/10/2025 13:10	427.48	4.44	7.79	101.4	7.02
Q3254-05	50	06/10/2025 13:14	374.42	4.22	7.97	101.4	7.02
Q3254-07	50	~~06/10/2025~~ 13:20	423.64	4.48	7.85	101.4	7.02

10/06/2025

10/6/25
12

WORKLIST(Hardcopy Internal Chain)

LB137431

WorkList Name : ALKALANITY-100225 **WorkList ID :** 192255 **Department :** Wet-Chemistry **Date :** 10-02-2025 14:46:17

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3019-05	WP0925-PT-MIN1-WP	Water	Alkalinity	Cool 4 deg C	ALLI03	QA Of	09/02/2025	SM2320 B
Q3202-01	SY-6	Water	Alkalinity	Cool 4 deg C	LOCK01	I63	09/23/2025	SM2320 B
Q3202-03	SY-2R	Water	Alkalinity	Cool 4 deg C	LOCK01	I63	09/23/2025	SM2320 B
Q3202-05	SY-2D	Water	Alkalinity	Cool 4 deg C	LOCK01	I63	09/23/2025	SM2320 B
Q3202-07	SY-5	Water	Alkalinity	Cool 4 deg C	LOCK01	I63	09/23/2025	SM2320 B
Q3202-09	SY-3DD	Water	Alkalinity	Cool 4 deg C	LOCK01	I63	09/23/2025	SM2320 B
Q3202-11	SY-3D	Water	Alkalinity	Cool 4 deg C	LOCK01	I63	09/23/2025	SM2320 B
Q3202-17	SY-3	Water	Alkalinity	Cool 4 deg C	LOCK01	I63	09/23/2025	SM2320 B
Q3254-01	MW-1	Water	Alkalinity	Cool 4 deg C	LOCK01	D31	09/29/2025	SM2320 B
Q3254-03	MW-2	Water	Alkalinity	Cool 4 deg C	LOCK01	D31	09/29/2025	SM2320 B
Q3254-05	MW-3	Water	Alkalinity	Cool 4 deg C	LOCK01	D31	09/29/2025	SM2320 B
Q3254-07	MW-4	Water	Alkalinity	Cool 4 deg C	LOCK01	D31	09/29/2025	SM2320 B

Date/Time 10/06/25 11:50
Raw Sample Received by: [signature]
Raw Sample Relinquished by: [signature]

Date/Time 10/06/25 13:50
Raw Sample Received by: [signature]
Raw Sample Relinquished by: [signature]

Reviewed By:Iwona
On:10/7/2025 12:58:20 PM
Inst Id :Titroline Alpha Titrator

Reviewed By:Iwona
On:10/7/2025 4:14:53 PM
Inst Id :WC TURBIDIMETER-1

Alliance TECHNICAL GROUP

Analytical Summary Report

Analysis Method: SM 4500-SO4E

Parameter: Sulfate

Run Number: ~~LB137443~~

ANALYST: rubina

SUPERVISOR REVIEW BY: Iwona

Reagent/Standard	Lot/Log #
sulfate ICV 20ppm	WP115082
Sulfate Buffer solution A	WP112974
Sulfate LCS std, 20ppm	WP115084
Sulfate Calibration std, 15ppm	WP115076
Sulfate Calibration std, 25ppm	WP115078
Sulfate Calibration std, 0ppm	WP115073
Sulfate Calibration std, 10ppm	WP115075
Sulfate Calibration std, 20ppm	WP115077
Sulfate Calibration std, 30ppm	WP115079
Sulfate Calibration std, 40ppm	WP115081
Sulfate Calibration std, 5ppm	WP115074
Sulfate Calibration std, 35ppm	WP115080
sulfate CCV 20ppm	WP115083

Intercept: -5.2192 **Slope:** 3.4253 **Regression:** 0.996083

Seq	Lab ID	True Val (mg/l)	DF	Matrix	Initial Reading	Final Reading	Difference	Result (mg/l)	%D	AnalDate	Anal Time
1	CAL1	0	1	Water	0.180	0.216	0.036	1.534		10/07/2025	12:00
2	CAL2	5	1	Water	0.190	10.600	10.410	4.563	-8.7	10/07/2025	12:03
3	CAL3	10	1	Water	0.192	29.800	29.608	10.168	1.7	10/07/2025	12:06
4	CAL4	15	1	Water	0.196	46.600	46.404	15.071	0.5	10/07/2025	12:09
5	CAL5	20	1	Water	0.200	59.600	59.400	18.865	-5.7	10/07/2025	12:12
6	CAL6	25	1	Water	0.208	74.400	74.192	23.184	-7.3	10/07/2025	12:15
7	CAL7	30	1	Water	0.214	94.200	93.986	28.962	-3.5	10/07/2025	12:18
8	CAL8	35	1	Water	0.218	120.000	119.782	36.494	4.3	10/07/2025	12:21
9	CAL9	40	1	Water	0.228	136.000	135.772	41.162	2.9	10/07/2025	12:24

Analytical Summary Report

Analysis Method: SM 4500-SO4E
ANALYST: rubina
Parameter: Sulfate
SUPERVISOR REVIEW BY: Iwona
Run Number: LB137443

Seq	Lab ID	Initial Weight	Final Vol	True Value (mg/L)	DF	MATRIX	Initial Reading	Final Reading	Difference	Result (mg/L)	AnalDate	Anal Time
1	ICV			20	1	Water	0.242	61.200	60.958	19.320	10/07/2025	12:27
2	ICB				1	Water	0.206	0.222	0.016	1.528	10/07/2025	12:30
3	CCV1			20	1	Water	0.240	60.200	59.960	19.029	10/07/2025	12:33
4	CCB1				1	Water	0.210	0.248	0.038	1.535	10/07/2025	12:36
5	LB137443BL	50	50		1	Water	0.214	0.248	0.034	1.534	10/07/2025	12:39
6	LB137443BS	50	50	20	1	Water	0.202	61.200	60.998	19.332	10/07/2025	12:42
7	Q3019-05	50	50		1	Water	0.360	399.000	398.640	117.905	10/07/2025	12:45
8	Q3019-05				5	Water	0.313	62.800	62.487	19.767	10/07/2025	12:48
9	CCV2			20	1	Water	0.238	62.400	62.162	19.672	10/07/2025	12:51
10	CCB2				1	Water	0.216	0.248	0.032	1.533	10/07/2025	12:54

WORKLIST(Hardcopy Internal Chain)

L6137443

WorkList Name : sulfate-3019* **WorkList ID :** 192326 **Department :** Wet-Chemistry **Date :** 10-06-2025 13:11:32

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3019-05	WP0925-PT-MIN1-WP	Water	Sulfate	Cool 4 deg C	ALLI03	QA Of	09/02/2025	SM 4500-SO4

Date/Time 10/07/25 10:40

Raw Sample Received by: 12(WC)

Raw Sample Relinquished by: SJ (@AO)

Date/Time NA

Raw Sample Received by: "

Raw Sample Relinquished by: "

Reviewed By:Iwona
On:10/7/2025 4:14:53 PM
Inst Id :WC
TURBIDIMETER-1

Reviewed By:Iwona
On:10/7/2025 4:14:40 PM
Inst Id :WC TURBIDIMETER-1

Alliance TECHNICAL GROUP

Analytical Summary Report

Analysis Method: 9038
Parameter: Sulfate
Run Number: ~~LB137444~~

ANALYST: rubina
SUPERVISOR REVIEW BY: Iwona

Reagent/Standard	Lot/Log #
sulfate ICV 20ppm	WP115082
conditioning reagent	WP114571
Sulfate LCS std, 20ppm	WP115084
Sulfate Calibration std, 15ppm	WP115076
Sulfate Calibration std, 25ppm	WP115078
Sulfate Calibration std, 0ppm	WP115073
Sulfate Calibration std, 10ppm	WP115075
Sulfate Calibration std, 20ppm	WP115077
Sulfate Calibration std, 30ppm	WP115079
Sulfate Calibration std, 40ppm	WP115081
Sulfate Calibration std, 5ppm	WP115074
Sulfate Calibration std, 35ppm	WP115080
sulfate CCV 20ppm	WP115083

Intercept: -5.0673 **Slope:** 3.4131 **Regression:** 0.996219

Seq	Lab ID	True Val (mg/l)	DF	Matrix	Initial Reading	Final Reading	Difference	Result (mg/l)	%D	AnalDate	Anal Time
1	CAL1	0	1	Water	0.176	0.224	0.048	1.499		10/07/2025	11:00
2	CAL2	5	1	Water	0.192	10.600	10.408	4.534	-9.3	10/07/2025	11:03
3	CAL3	10	1	Water	0.196	30.200	30.004	10.275	2.8	10/07/2025	11:06
4	CAL4	15	1	Water	0.206	46.400	46.194	15.019	0.1	10/07/2025	11:09
5	CAL5	20	1	Water	0.208	60.200	59.992	19.062	-4.7	10/07/2025	11:12
6	CAL6	25	1	Water	0.212	74.200	73.988	23.162	-7.4	10/07/2025	11:15
7	CAL7	30	1	Water	0.218	93.800	93.582	28.903	-3.7	10/07/2025	11:18
8	CAL8	35	1	Water	0.228	118.000	117.772	35.991	2.8	10/07/2025	11:21
9	CAL9	40	1	Water	0.226	137.000	136.774	41.558	3.9	10/07/2025	11:24

Reviewed By:Iwona
On:10/7/2025 4:14:40 PM
Inst Id :WC TURBIDIMETER-1

Analytical Summary Report

Analysis Method: 9038 ANALYST: rubina

Parameter: Sulfate SUPERVISOR REVIEW BY: Iwona

Run Number: LB137444

Seq	Lab ID	Initial Weight	Final Vol	True Value (mg/L)	DF	MATRIX	Initial Reading	Final Reading	Difference	Result (mg/L)	AnalDate	Anal Time
1	ICV			20	1	Water	0.246	61.400	61.154	19.402	10/07/2025	11:27
2	ICB				1	Water	0.218	0.228	0.010	1.488	10/07/2025	11:30
3	CCV1			20	1	Water	0.230	60.600	60.370	19.172	10/07/2025	11:33
4	CCB1				1	Water	0.220	0.248	0.028	1.493	10/07/2025	11:36
5	LB137444BL	50	50		1	Water	0.214	0.236	0.022	1.491	10/07/2025	11:39
6	LB137444BS	50	50	20	1	Water	0.210	60.800	60.590	19.237	10/07/2025	11:42
7	Q3019-06	50	50		1	Water	0.353	391.000	390.647	115.940	10/07/2025	11:45
8	Q3019-06				5	Water	0.316	64.600	64.284	20.319	10/07/2025	11:48
9	CCV2			20	1	Water	0.206	61.200	60.994	19.355	10/07/2025	11:51
10	CCB2				1	Water	0.212	0.252	0.040	1.496	10/07/2025	11:54

WORKLIST(Hardcopy Internal Chain)

lb1374444

WorkList Name : sulfate-3019 **WorkList ID :** 192325 **Department :** Wet-Chemistry **Date :** 10-06-2025 13:11:27

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3019-06	WP0925-PT-MIN1-WP	Water	Sulfate	Cool 4 deg C	ALLI03	QA Of	09/02/2025	9038

Date/Time 10/07/25 10:40
Raw Sample Received by: 12(WC)
Raw Sample Relinquished by: SJ(QAO)

Date/Time NA
Raw Sample Received by: 4
Raw Sample Relinquished by: 4

Reviewed By:lwona
On:10/7/2025 4:14:40 PM
Inst Id :WC
TURBIDIMETER-1

Reviewed By:Iwona
On:10/9/2025 11:13:23 AM
Inst Id :Appolo-9000
LB :LB137457

Sample Results Report Print Date/Time: 2025/10/08 11:56:51

Sample ID	Result	Std. Dev.	RSD	Mode	ALT
CCV1	0.8816	0.1710	19.40	TOC	
CCB1	0.2099	0.0428	20.41	TOC	
LB137457BLW	0.2105	0.0409	19.44	TOC	
LB137457BSW.....	10.0912...	0.1006..	1.00...	TOC	..
Q3019-03	33.8684	0.8162	2.41	TOC	
Q3019-03DLX4	8.6569	0.6566	7.58	TOC	
CCV2.....	9.9988...	0.9234..	9.24...	TOC	..
CCB2	0.3264	0.0732	22.43	TOC	

Reviewed By:Iwona
On:10/9/2025 11:13:23 AM
Inst Id :Appolo-9000
LB :LB137457

Sample Results Report Print Date/Time: 2025/10/08 11:56:51

Method ID	Sample Type	Vial	Timestamp	Message
TOC 0 - 20 ppmC	Sample	10	2025/10/07 10:00	
TOC 0 - 20 ppmC	Sample	12	2025/10/07 10:24	Low Sample Detected
TOC 0 - 20 ppmC	Sample	13	2025/10/07 10:48	Low Sample Detected
TOC 0 - 20 ppmC	...Sample	.. 14..	2025/10/07 11:18	..
TOC 0 - 20 ppmC	Sample	17	2025/10/07 12:54	
TOC 0 - 20 ppmC	Sample	18	2025/10/07 14:16	
TOC 0 - 20 ppmC	...Sample	.. 11..	2025/10/07 15:49	..
TOC 0 - 20 ppmC	Sample	12	2025/10/07 17:12	

Reviewed By:Iwona
On:10/9/2025 11:13:23 AM
Inst Id :Appolo-9000
LB :LB137457

Detailed Analysis Report Print Date/Time: 2025/10/08 11:57:00

Sample ID: CCV1 Mode: TOC
Method: TOC 0 - 20 ppmC Filename: 10070845
Cal. Curve: TOC WATER 0-20PPM Timestamp: 2025/10/07 10:00
Operator ID: RM IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	1.1178	0.5589	41585	-2.615	-2.416	118
2	0.7105	0.3552	26432	-2.453	-2.256	109
3	0.8658	0.4329	32210	-2.444	-2.245	108
4	0.8323	0.4161	30964	-2.441	-2.242	109

<<<Statistics>>> Mean: 0.8816 Std Dev: 0.1710 RSD: 19.40

Sample ID: CCB1 Mode: TOC
Method: TOC 0 - 20 ppmC Filename: 10070845
Cal. Curve: TOC WATER 0-20PPM Timestamp: 2025/10/07 10:24
Operator ID: RM IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	0.2549	0.1275	9484	-2.650	-2.628	120
2	0.1651	0.0825	6140	-2.613	-2.606	120
3	0.2370	0.1185	8818	-2.628	-2.600	120
4	0.1827	0.0914	6797	-2.587	-2.624	120

Last Message: Low Sample Detected
<<<Statistics>>> Mean: 0.2099 Std Dev: 0.0428 RSD: 20.41

Sample ID: LB137457BLW Mode: TOC
Method: TOC 0 - 20 ppmC Filename: 10070845
Cal. Curve: TOC WATER 0-20PPM Timestamp: 2025/10/07 10:48
Operator ID: RM IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	0.1738	0.0869	6465	-2.638	-2.638	120
2	0.2139	0.1070	7958	-2.640	-2.622	120
3	0.2666	0.1333	9917	-2.608	-2.573	120
4	0.1877	0.0939	6983	-2.566	-2.573	120

Last Message: Low Sample Detected
<<<Statistics>>> Mean: 0.2105 Std Dev: 0.0409 RSD: 19.44

Sample ID: LB137457BSW Mode: TOC
Method: TOC 0 - 20 ppmC Filename: 10070845
Cal. Curve: TOC WATER 0-20PPM Timestamp: 2025/10/07 11:18
Operator ID: RM IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	9.9726	4.9863	371013	-2.594	-2.395	226
2	10.2177	5.1088	380130	-2.564	-2.364	234
3	10.0985	5.0493	375697	-2.557	-2.358	231
4	10.0760	5.0380	374858	-2.521	-2.322	212

<<<Statistics>>> Mean: 10.0912 Std Dev: 0.1006 RSD: 1.00

Reviewed By:Iwona
On:10/9/2025 11:13:23 AM
Inst Id :Appolo-9000
LB :LB137457

Sample ID: Q3019-03 Mode: TOC
Method: TOC 0 - 20 ppmC Filename: 10071155
Cal. Curve: TOC WATER 0-20PPM Timestamp: 2025/10/07 12:54
Operator ID: RM IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	35.0440	17.5220	1303748	-2.055	-1.855	254
2	33.6709	16.8354	1252663	-1.978	-1.778	235
3	33.1568	16.5784	1233537	-2.004	-1.806	235
4	33.6018	16.8009	1250092	-1.996	-1.798	242

<<<Statistics>>> Mean: 33.8684 Std Dev: 0.8162 RSD: 2.41

Sample ID: Q3019-03DLX4 Mode: TOC
Method: TOC 0 - 20 ppmC Filename: 10071319
Cal. Curve: TOC WATER 0-20PPM Timestamp: 2025/10/07 14:16
Operator ID: RM IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	9.5080	4.7540	353729	-2.027	-1.827	214
2	8.2600	4.1300	307298	-1.981	-1.782	205
3	8.8223	4.4111	328217	-1.952	-1.753	200
4	8.0371	4.0186	299006	-1.932	-1.734	188

<<<Statistics>>> Mean: 8.6569 Std Dev: 0.6566 RSD: 7.58

Sample ID: CCV2 Mode: TOC
Method: TOC 0 - 20 ppmC Filename: 10071519
Cal. Curve: TOC WATER 0-20PPM Timestamp: 2025/10/07 15:49
Operator ID: RM IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	9.7621	4.8810	363181	-1.850	-1.651	222
2	8.7970	4.3985	327278	-1.794	-1.594	213
3	10.8251	5.4126	402729	-1.798	-1.599	245
4	10.6112	5.3056	394770	-1.793	-1.594	241

<<<Statistics>>> Mean: 9.9988 Std Dev: 0.9234 RSD: 9.24

Sample ID: CCB2 Mode: TOC
Method: TOC 0 - 20 ppmC Filename: 10071519
Cal. Curve: TOC WATER 0-20PPM Timestamp: 2025/10/07 17:12
Operator ID: RM IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	0.3990	0.1995	14843	-1.800	-1.602	103
2	0.3361	0.1681	12505	-1.791	-1.593	102
3	0.3457	0.1728	12861	-1.794	-1.594	101
4	0.2247	0.1124	8361	-1.793	-1.593	99

<<<Statistics>>> Mean: 0.3264 Std Dev: 0.0732 RSD: 22.43

Reviewed By:Iwona
On:10/9/2025 11:13:23 AM
Inst Id :Appolo-9000
LB :LB137457

Sample Results Report Print Date/Time: 2025/10/08 9:51:20

Sample ID	Result	Std. Dev.	RSD	Mode	ALT
0.0PPM	7798	1771	22.72	TOC	
0.5PPM	16970	1774	10.45	TOC	
1.0PPM	36859	6025	16.35	TOC	
2.0PPM.....	76964...	3154..	4.10...	TOC	..
5.0PPM	190528	1444	0.76	TOC	
10.0PPM	381065	1148	0.30	TOC	
20.0PPM.....	744322...	6957..	0.93...	TOC	..
ICV1	10.1531	0.5724	5.64	TOC	
ICB1	0.2761	0.0175	6.35	TOC	
IC-20.....	0.1800...	0.0413..	22.93...	TOC	..
IC-R	0.1828	0.0351	19.20	TOC	

Reviewed By:Iwona
On:10/9/2025 11:13:23 AM
Inst Id :Appolo-9000
LB :LB137457

Sample Results Report Print Date/Time: 2025/10/08 9:51:20

Method ID	Sample Type	Vial	Timestamp	Message
TOC 0 - 20 ppmC	TOC Standard	1	2025/10/06 10:48	Low Sample Detected
TOC 0 - 20 ppmC	TOC Standard	2	2025/10/06 11:11	
TOC 0 - 20 ppmC	TOC Standard	9	2025/10/06 12:49	
TOC 0 - 20 ppmC	...TOC Standard ..	4..	2025/10/06 13:17 ..	
TOC 0 - 20 ppmC	TOC Standard	5	2025/10/06 13:47	
TOC 0 - 20 ppmC	TOC Standard	6	2025/10/06 14:18	
TOC 0 - 20 ppmC	...TOC Standard ..	7..	2025/10/06 14:50 ..	
TOC 0 - 20 ppmC	Sample	11	2025/10/06 15:21	
TOC 0 - 20 ppmC	Sample	12	2025/10/06 15:44	
TOC 0 - 20 ppmC	...Sample ..	13..	2025/10/06 16:07	..Low Sample Detected
TOC 0 - 20 ppmC	Sample	12	2025/10/06 16:31	Low Sample Detected

Reviewed By:Iwona
On:10/9/2025 11:13:23 AM
Inst Id :Appolo-9000
LB :LB137457

Detailed Analysis Report Print Date/Time: 2025/10/08 9:51:33

Sample ID: 0.0PPM Mode: TOC
Method: TOC 0 - 20 ppmC Filename: 10061004
Cal. Curve: TOC WATER 0-20PPM Timestamp: 2025/10/06 10:48
Operator ID: RM IZ Sample Type: TOC Standard

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1			5846	-2.877	-2.887	120
2			9375	-2.904	-2.854	120
3			9220	-2.876	-2.844	120
4			6752	-2.847	-2.651	97

Last Message: Low Sample Detected
<<<Statistics>>> Mean: 7798 Std Dev: 1771 RSD: 22.72

Sample ID: 0.5PPM Mode: TOC
Method: TOC 0 - 20 ppmC Filename: 10061004
Cal. Curve: TOC WATER 0-20PPM Timestamp: 2025/10/06 11:11
Operator ID: RM IZ Sample Type: TOC Standard

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1			18297	-2.818	-2.620	107
2			17399	-2.751	-2.553	105
3			17816	-2.721	-2.522	104
4			14367	-2.717	-2.518	104

<<<Statistics>>> Mean: 16970 Std Dev: 1774 RSD: 10.45

Sample ID: 1.0PPM Mode: TOC
Method: TOC 0 - 20 ppmC Filename: 10061004
Cal. Curve: TOC WATER 0-20PPM Timestamp: 2025/10/06 12:49
Operator ID: RM IZ Sample Type: TOC Standard

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1			43721	-2.441	-2.241	120
2			32441	-2.186	-1.988	108
3			31203	-2.186	-1.986	108
4			40072	-2.195	-1.996	109

<<<Statistics>>> Mean: 36859 Std Dev: 6025 RSD: 16.35

Sample ID: 2.0PPM Mode: TOC
Method: TOC 0 - 20 ppmC Filename: 10061004
Cal. Curve: TOC WATER 0-20PPM Timestamp: 2025/10/06 13:17
Operator ID: RM IZ Sample Type: TOC Standard

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1			80020	-2.332	-2.134	190
2			77998	-2.276	-2.076	187
3			77272	-2.262	-2.062	181
4			72567	-2.226	-2.028	182

<<<Statistics>>> Mean: 76964 Std Dev: 3154 RSD: 4.10

Reviewed By:Iwona
On:10/9/2025 11:13:23 AM
Inst Id :Appolo-9000
LB :LB137457

Sample ID: 5.0PPM Mode: TOC
Method: TOC 0 - 20 ppmC Filename: 10061318
Cal. Curve: TOC WATER 0-20PPM Timestamp: 2025/10/06 13:47
Operator ID: RM IZ Sample Type: TOC Standard

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1			192681	-2.223	-2.025	220
2			189590	-2.206	-2.007	215
3			189901	-2.189	-1.991	214
4			189941	-2.195	-1.996	214

<<<Statistics>>> Mean: 190528 Std Dev: 1444 RSD: 0.76

Sample ID: 10.0PPM Mode: TOC
Method: TOC 0 - 20 ppmC Filename: 10061318
Cal. Curve: TOC WATER 0-20PPM Timestamp: 2025/10/06 14:18
Operator ID: RM IZ Sample Type: TOC Standard

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1			380007	-2.134	-1.935	232
2			381443	-2.115	-1.918	239
3			382514	-2.106	-1.907	224
4			380295	-2.095	-1.896	230

<<<Statistics>>> Mean: 381065 Std Dev: 1148 RSD: 0.30

Sample ID: 20.0PPM Mode: TOC
Method: TOC 0 - 20 ppmC Filename: 10061318
Cal. Curve: TOC WATER 0-20PPM Timestamp: 2025/10/06 14:50
Operator ID: RM IZ Sample Type: TOC Standard

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1			737883	-2.056	-1.858	250
2			738798	-1.986	-1.787	236
3			749386	-1.985	-1.788	246
4			751220	-1.985	-1.785	256

<<<Statistics>>> Mean: 744322 Std Dev: 6957 RSD: 0.93

Sample ID: ICV1 Mode: TOC
Method: TOC 0 - 20 ppmC Filename: 10061318
Cal. Curve: TOC WATER 0-20PPM Timestamp: 2025/10/06 15:21
Operator ID: RM IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	9.4604	4.7302	372906	-1.973	-1.774	230
2	9.9095	4.9548	390608	-1.964	-1.765	228
3	10.6733	5.3366	397079	-1.963	-1.764	241
4	10.5694	5.2847	393217	-1.956	-1.756	229

<<<Statistics>>> Mean: 10.1531 Std Dev: 0.5724 RSD: 5.64

Sample ID: ICB1 Mode: TOC
Method: TOC 0 - 20 ppmC Filename: 10061318
Cal. Curve: TOC WATER 0-20PPM Timestamp: 2025/10/06 15:44
Operator ID: RM IZ Sample Type: Sample

Reviewed By:Iwona
On:10/9/2025 11:13:23 AM
Inst Id :Appolo-9000
LB :LB137457

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	0.2779	0.1389	10338	-1.890	-1.693	102
2	0.2517	0.1259	9365	-1.863	-1.666	101
3	0.2933	0.1466	10912	-1.881	-1.684	101
4	0.2813	0.1406	10463	-1.904	-1.705	100

<<<Statistics>>> Mean: 0.2761 Std Dev: 0.0175 RSD: 6.35

Sample ID: IC-20 Mode: TOC
Method: TOC 0 - 20 ppmC Filename: 10061318
Cal. Curve: TOC WATER 0-20PPM Timestamp: 2025/10/06 16:07
Operator ID: RM IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	0.1857	0.0928	6908	-1.908	-1.921	120
2	0.2350	0.1175	8744	-1.915	-1.905	120
3	0.1392	0.0696	5178	-1.905	-1.911	120
4	0.1602	0.0801	5958	-1.910	-1.929	120

Last Message: Low Sample Detected
<<<Statistics>>> Mean: 0.1800 Std Dev: 0.0413 RSD: 22.93

Sample ID: IC-R Mode: TOC
Method: TOC 0 - 20 ppmC
Filename: 10061318
Cal. Curve: TOC WATER 0-20PPM Timestamp: 2025/10/06 16:31
Operator ID: RM IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	0.2183	0.1091	8120	-1.922	-1.901	120
2	0.1941	0.0970	7220	-1.905	-1.872	120
3	0.1348	0.0674	5014	-1.885	-1.886	120
4	0.1838	0.0919	6838	-1.897	-1.887	120

Last Message: Low Sample Detected
<<<Statistics>>> Mean: 0.1828 Std Dev: 0.0351 RSD: 19.20

Reviewed By:Iwona
On:10/9/2025 11:13:23 AM
Inst Id :Appolo-9000
LB :LB137457

Calibration Report Print Date/Time: 2025/10/06 14:58:08

Cal. Curve ID: TOC WATER 0-20PPM
Created: 2025/10/06 14:58
Calibration Factor (m): 7.441e+04
Y Intercept (b): 3169
r-squared: 0.99977

Standard ID	Y Raw Data	X Expected ug C	Measured ug C	Message	Date & Time
0.0PPM	7798	0.000	0.062	—	2025/10/06 10:48
0.5PPM	16970	0.250	0.185	-26.0	2025/10/06 11:11
1.0PPM	36859	0.500	0.453	-9.4	2025/10/06 12:49
2.0PPM	76964	1.000	0.992	-0.8	2025/10/06 13:17
5.0PPM	190528	2.500	2.518	0.7	2025/10/06 13:47
10.0PPM	381065	5.000	5.079	1.6	2025/10/06 14:18
20.0PPM	744322	10.000	9.961	-0.4	2025/10/06 14:50

12
10/06/25

LB137457
LB137458

WORKLIST(Hardcopy Internal Chain)

WorkList Name : TOC-100725 **WorkList ID :** 192329 **Department :** Wet-Chemistry **Date :** 10-07-2025 09:21:59

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3019-03	WP0925-PT-DEM-WP	Water	TOC	Conc H2SO4 to pH < 2	ALLI03	QA Of	09/02/2025	SM5310B
Q3019-04	WP0925-PT-DEM-WP	Water	TOC	Conc H2SO4 to pH < 2	ALLI03	QA Of	09/02/2025	9060A

Date/Time 10/07/25 10:00
Raw Sample Received by: IC(WC)
Raw Sample Relinquished by: SJ(QAO)

Date/Time NA
Raw Sample Received by: "
Raw Sample Relinquished by: "

Reviewed By:Iwona
On:10/9/2025 11:13:23 AM
Inst Id :Appolo-9000
LB :LB137457

Reviewed By:Iwona
On:10/9/2025 11:13:29 AM
Inst Id :Appolo-9000
LB :LB137458

Sample Results Report Print Date/Time: 2025/10/08 11:49:00

Sample ID	Result	Std. Dev.	RSD	Mode	ALT
CCV1	10.1081	0.1313	1.30	TOC	
CCB1	0.2099	0.0428	20.41	TOC	
LB137458BLW	0.2105	0.0409	19.44	TOC	
LB137458BSW.....	10.0912...	0.1006..	1.00...	TOC	..
Q3019-04	33.8684	0.8162	2.41	TOC	
Q3019-04DLX4	8.6569	0.6566	7.58	TOC	
CCV2.....	9.7614...	0.8964..	9.18...	TOC	..
CCB2	0.3264	0.0732	22.43	TOC	

Reviewed By:Iwona
On:10/9/2025 11:13:29 AM
Inst Id :Appolo-9000
LB :LB137458

Sample Results Report Print Date/Time: 2025/10/08 11:49:00

Method ID	Sample Type	Vial	Timestamp	Message
TOC 0 - 20 ppmC	Sample	11	2025/10/07 09:37	
TOC 0 - 20 ppmC	Sample	12	2025/10/07 10:24	Low Sample Detected
TOC 0 - 20 ppmC	Sample	13	2025/10/07 10:48	Low Sample Detected
TOC 0 - 20 ppmC	...Sample	.. 14..	2025/10/07 11:18	..
TOC 0 - 20 ppmC	Sample	17	2025/10/07 12:54	
TOC 0 - 20 ppmC	Sample	18	2025/10/07 14:16	
TOC 0 - 20 ppmC	...Sample	.. 14..	2025/10/07 16:20	..
TOC 0 - 20 ppmC	Sample	12	2025/10/07 17:12	

Reviewed By:Iwona
On:10/9/2025 11:13:29 AM
Inst Id :Appolo-9000
LB :LB137458

Detailed Analysis Report Print Date/Time: 2025/10/08 12:02:47

Sample ID: CCV1 Mode: TOC
Method: TOC 0 - 20 ppmC Filename: 10070845
Cal. Curve: TOC WATER 0-20PPM Timestamp: 2025/10/07 09:37
Operator ID: RM IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	10.1671	5.0835	378248	-2.691	-2.494	229
2	10.2466	5.1233	381208	-2.695	-2.498	219
3	10.0784	5.0392	374950	-2.638	-2.438	221
4	9.9402	4.9701	369808	-2.607	-2.407	221

<<<Statistics>>> Mean: 10.1081 Std Dev: 0.1313 RSD: 1.30

Sample ID: CCB1 Mode: TOC
Method: TOC 0 - 20 ppmC Filename: 10070845
Cal. Curve: TOC WATER 0-20PPM Timestamp: 2025/10/07 10:24
Operator ID: RM IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	0.2549	0.1275	9484	-2.650	-2.628	120
2	0.1651	0.0825	6140	-2.613	-2.606	120
3	0.2370	0.1185	8818	-2.628	-2.600	120
4	0.1827	0.0914	6797	-2.587	-2.624	120

Last Message: Low Sample Detected
<<<Statistics>>> Mean: 0.2099 Std Dev: 0.0428 RSD: 20.41

Sample ID: LB137458BLW Mode: TOC
Method: TOC 0 - 20 ppmC Filename: 10070845
Cal. Curve: TOC WATER 0-20PPM Timestamp: 2025/10/07 10:48
Operator ID: RM IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	0.1738	0.0869	6465	-2.638	-2.638	120
2	0.2139	0.1070	7958	-2.640	-2.622	120
3	0.2666	0.1333	9917	-2.608	-2.573	120
4	0.1877	0.0939	6983	-2.566	-2.573	120

Last Message: Low Sample Detected
<<<Statistics>>> Mean: 0.2105 Std Dev: 0.0409 RSD: 19.44

Sample ID: LB137458BSW Mode: TOC
Method: TOC 0 - 20 ppmC Filename: 10070845
Cal. Curve: TOC WATER 0-20PPM Timestamp: 2025/10/07 11:18
Operator ID: RM IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	9.9726	4.9863	371013	-2.594	-2.395	226
2	10.2177	5.1088	380130	-2.564	-2.364	234
3	10.0985	5.0493	375697	-2.557	-2.358	231
4	10.0760	5.0380	374858	-2.521	-2.322	212

<<<Statistics>>> Mean: 10.0912 Std Dev: 0.1006 RSD: 1.00

Reviewed By:Iwona
On:10/9/2025 11:13:29 AM
Inst Id :Appolo-9000
LB :LB137458

Sample ID: Q3019-04 Mode: TOC
Method: TOC 0 - 20 ppmC Filename: 10071155
Cal. Curve: TOC WATER 0-20PPM Timestamp: 2025/10/07 12:54
Operator ID: RM IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	35.0440	17.5220	1303748	-2.055	-1.855	254
2	33.6709	16.8354	1252663	-1.978	-1.778	235
3	33.1568	16.5784	1233537	-2.004	-1.806	235
4	33.6018	16.8009	1250092	-1.996	-1.798	242

<<<Statistics>>> Mean: 33.8684 Std Dev: 0.8162 RSD: 2.41

Sample ID: Q3019-04DLX4 Mode: TOC
Method: TOC 0 - 20 ppmC Filename: 10071319
Cal. Curve: TOC WATER 0-20PPM Timestamp: 2025/10/07 14:16
Operator ID: RM IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	9.5080	4.7540	353729	-2.027	-1.827	214
2	8.2600	4.1300	307298	-1.981	-1.782	205
3	8.8223	4.4111	328217	-1.952	-1.753	200
4	8.0371	4.0186	299006	-1.932	-1.734	188

<<<Statistics>>> Mean: 8.6569 Std Dev: 0.6566 RSD: 7.58

Sample ID: CCV2 Mode: TOC
Method: TOC 0 - 20 ppmC Filename: 10071519
Cal. Curve: TOC WATER 0-20PPM Timestamp: 2025/10/07 16:20
Operator ID: RM IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	10.4912	5.2456	390304	-1.774	-1.578	246
2	9.0514	4.5257	336741	-1.723	-1.526	221
3	8.9228	4.4614	331955	-1.743	-1.544	210
4	10.5804	5.2902	393624	-1.735	-1.535	239

<<<Statistics>>> Mean: 9.7614 Std Dev: 0.8964 RSD: 9.18

Sample ID: CCB2 Mode: TOC
Method: TOC 0 - 20 ppmC Filename: 10071519
Cal. Curve: TOC WATER 0-20PPM Timestamp: 2025/10/07 17:12
Operator ID: RM IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	0.3990	0.1995	14843	-1.800	-1.602	103
2	0.3361	0.1681	12505	-1.791	-1.593	102
3	0.3457	0.1728	12861	-1.794	-1.594	101
4	0.2247	0.1124	8361	-1.793	-1.593	99

<<<Statistics>>> Mean: 0.3264 Std Dev: 0.0732 RSD: 22.43

Reviewed By:Iwona
On:10/9/2025 11:13:29 AM
Inst Id :Appolo-9000
LB :LB137458

Sample Results Report Print Date/Time: 2025/10/08 9:51:20

Sample ID	Result	Std. Dev.	RSD	Mode	ALT
0.0PPM	7798	1771	22.72	TOC	
0.5PPM	16970	1774	10.45	TOC	
1.0PPM	36859	6025	16.35	TOC	
2.0PPM.....	76964...	3154..	4.10...	TOC	..
5.0PPM	190528	1444	0.76	TOC	
10.0PPM	381065	1148	0.30	TOC	
20.0PPM.....	744322...	6957..	0.93...	TOC	..
ICV1	10.1531	0.5724	5.64	TOC	
ICB1	0.2761	0.0175	6.35	TOC	
IC-20.....	0.1800...	0.0413..	22.93...	TOC	..
IC-R	0.1828	0.0351	19.20	TOC	

Reviewed By:Iwona
On:10/9/2025 11:13:29 AM
Inst Id :Appolo-9000
LB :LB137458

Sample Results Report Print Date/Time: 2025/10/08 9:51:20

Method ID	Sample Type	Vial	Timestamp	Message
TOC 0 - 20 ppmC	TOC Standard	1	2025/10/06 10:48	Low Sample Detected
TOC 0 - 20 ppmC	TOC Standard	2	2025/10/06 11:11	
TOC 0 - 20 ppmC	TOC Standard	9	2025/10/06 12:49	
TOC 0 - 20 ppmC	...TOC Standard ..	4..	2025/10/06 13:17 ..	
TOC 0 - 20 ppmC	TOC Standard	5	2025/10/06 13:47	
TOC 0 - 20 ppmC	TOC Standard	6	2025/10/06 14:18	
TOC 0 - 20 ppmC	...TOC Standard ..	7..	2025/10/06 14:50 ..	
TOC 0 - 20 ppmC	Sample	11	2025/10/06 15:21	
TOC 0 - 20 ppmC	Sample	12	2025/10/06 15:44	
TOC 0 - 20 ppmC	...Sample ..	13..	2025/10/06 16:07	..Low Sample Detected
TOC 0 - 20 ppmC	Sample	12	2025/10/06 16:31	Low Sample Detected

Reviewed By:Iwona
On:10/9/2025 11:13:29 AM
Inst Id :Appolo-9000
LB :LB137458

Detailed Analysis Report Print Date/Time: 2025/10/08 9:51:33

Sample ID: 0.0PPM Mode: TOC
Method: TOC 0 - 20 ppmC Filename: 10061004
Cal. Curve: TOC WATER 0-20PPM Timestamp: 2025/10/06 10:48
Operator ID: RM IZ Sample Type: TOC Standard

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1			5846	-2.877	-2.887	120
2			9375	-2.904	-2.854	120
3			9220	-2.876	-2.844	120
4			6752	-2.847	-2.651	97

Last Message: Low Sample Detected
<<<Statistics>>> Mean: 7798 Std Dev: 1771 RSD: 22.72

Sample ID: 0.5PPM Mode: TOC
Method: TOC 0 - 20 ppmC Filename: 10061004
Cal. Curve: TOC WATER 0-20PPM Timestamp: 2025/10/06 11:11
Operator ID: RM IZ Sample Type: TOC Standard

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1			18297	-2.818	-2.620	107
2			17399	-2.751	-2.553	105
3			17816	-2.721	-2.522	104
4			14367	-2.717	-2.518	104

<<<Statistics>>> Mean: 16970 Std Dev: 1774 RSD: 10.45

Sample ID: 1.0PPM Mode: TOC
Method: TOC 0 - 20 ppmC Filename: 10061004
Cal. Curve: TOC WATER 0-20PPM Timestamp: 2025/10/06 12:49
Operator ID: RM IZ Sample Type: TOC Standard

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1			43721	-2.441	-2.241	120
2			32441	-2.186	-1.988	108
3			31203	-2.186	-1.986	108
4			40072	-2.195	-1.996	109

<<<Statistics>>> Mean: 36859 Std Dev: 6025 RSD: 16.35

Sample ID: 2.0PPM Mode: TOC
Method: TOC 0 - 20 ppmC Filename: 10061004
Cal. Curve: TOC WATER 0-20PPM Timestamp: 2025/10/06 13:17
Operator ID: RM IZ Sample Type: TOC Standard

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1			80020	-2.332	-2.134	190
2			77998	-2.276	-2.076	187
3			77272	-2.262	-2.062	181
4			72567	-2.226	-2.028	182

<<<Statistics>>> Mean: 76964 Std Dev: 3154 RSD: 4.10

Reviewed By:Iwona
On:10/9/2025 11:13:29 AM
Inst Id :Appolo-9000
LB :LB137458

Sample ID: 5.0PPM Mode: TOC
Method: TOC 0 - 20 ppmC Filename: 10061318
Cal. Curve: TOC WATER 0-20PPM Timestamp: 2025/10/06 13:47
Operator ID: RM IZ Sample Type: TOC Standard

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1			192681	-2.223	-2.025	220
2			189590	-2.206	-2.007	215
3			189901	-2.189	-1.991	214
4			189941	-2.195	-1.996	214

<<<Statistics>>> Mean: 190528 Std Dev: 1444 RSD: 0.76

Sample ID: 10.0PPM Mode: TOC
Method: TOC 0 - 20 ppmC Filename: 10061318
Cal. Curve: TOC WATER 0-20PPM Timestamp: 2025/10/06 14:18
Operator ID: RM IZ Sample Type: TOC Standard

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1			380007	-2.134	-1.935	232
2			381443	-2.115	-1.918	239
3			382514	-2.106	-1.907	224
4			380295	-2.095	-1.896	230

<<<Statistics>>> Mean: 381065 Std Dev: 1148 RSD: 0.30

Sample ID: 20.0PPM Mode: TOC
Method: TOC 0 - 20 ppmC Filename: 10061318
Cal. Curve: TOC WATER 0-20PPM Timestamp: 2025/10/06 14:50
Operator ID: RM IZ Sample Type: TOC Standard

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1			737883	-2.056	-1.858	250
2			738798	-1.986	-1.787	236
3			749386	-1.985	-1.788	246
4			751220	-1.985	-1.785	256

<<<Statistics>>> Mean: 744322 Std Dev: 6957 RSD: 0.93

Sample ID: ICV1 Mode: TOC
Method: TOC 0 - 20 ppmC Filename: 10061318
Cal. Curve: TOC WATER 0-20PPM Timestamp: 2025/10/06 15:21
Operator ID: RM IZ Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	9.4604	4.7302	372906	-1.973	-1.774	230
2	9.9095	4.9548	390608	-1.964	-1.765	228
3	10.6733	5.3366	397079	-1.963	-1.764	241
4	10.5694	5.2847	393217	-1.956	-1.756	229

<<<Statistics>>> Mean: 10.1531 Std Dev: 0.5724 RSD: 5.64

Sample ID: ICB1 Mode: TOC
Method: TOC 0 - 20 ppmC Filename: 10061318
Cal. Curve: TOC WATER 0-20PPM Timestamp: 2025/10/06 15:44
Operator ID: RM IZ Sample Type: Sample

Reviewed By:Iwona
On:10/9/2025 11:13:29 AM
Inst Id :Appolo-9000
LB :LB137458

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	0.2779	0.1389	10338	-1.890	-1.693	102
2	0.2517	0.1259	9365	-1.863	-1.666	101
3	0.2933	0.1466	10912	-1.881	-1.684	101
4	0.2813	0.1406	10463	-1.904	-1.705	100

<<<Statistics>>> Mean: 0.2761 Std Dev: 0.0175 RSD: 6.35

Sample ID: IC-20
Method: TOC 0 - 20 ppmC
Cal. Curve: TOC WATER 0-20PPM
Operator ID: RM IZ
Mode: TOC
Filename: 10061318
Timestamp: 2025/10/06 16:07
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	0.1857	0.0928	6908	-1.908	-1.921	120
2	0.2350	0.1175	8744	-1.915	-1.905	120
3	0.1392	0.0696	5178	-1.905	-1.911	120
4	0.1602	0.0801	5958	-1.910	-1.929	120

Last Message: Low Sample Detected
<<<Statistics>>> Mean: 0.1800 Std Dev: 0.0413 RSD: 22.93

Sample ID: IC-R
Method: TOC 0 - 20 ppmC
Filename: 10061318
Cal. Curve: TOC WATER 0-20PPM
Operator ID: RM IZ
Mode: TOC
Timestamp: 2025/10/06 16:31
Sample Type: Sample

Rep #	ppm C	ug C	Raw Data	Beginning Baseline	Ending Baseline	Integration Time
1	0.2183	0.1091	8120	-1.922	-1.901	120
2	0.1941	0.0970	7220	-1.905	-1.872	120
3	0.1348	0.0674	5014	-1.885	-1.886	120
4	0.1838	0.0919	6838	-1.897	-1.887	120

Last Message: Low Sample Detected
<<<Statistics>>> Mean: 0.1828 Std Dev: 0.0351 RSD: 19.20

Reviewed By:Iwona
On:10/9/2025 11:13:29 AM
Inst Id :Appolo-9000
LB :LB137458

Calibration Report Print Date/Time: 2025/10/06 14:58:08

Cal. Curve ID: TOC WATER 0-20PPM
Created: 2025/10/06 14:58
Calibration Factor (m): 7.441e+04
Y Intercept (b): 3169
r-squared: 0.99977

Standard ID	Y Raw Data	X Expected ug C	Measured ug C	Message	Date & Time
0.0PPM	7798	0.000	0.062	—	2025/10/06 10:48
0.5PPM	16970	0.250	0.185	-26.0	2025/10/06 11:11
1.0PPM	36859	0.500	0.453	-9.4	2025/10/06 12:49
2.0PPM	76964	1.000	0.992	-0.8	2025/10/06 13:17
5.0PPM	190528	2.500	2.518	0.7	2025/10/06 13:47
10.0PPM	381065	5.000	5.079	1.6	2025/10/06 14:18
20.0PPM	744322	10.000	9.961	-0.4	2025/10/06 14:50

12
10/06/25

LB137457
LB137458

WORKLIST(Hardcopy Internal Chain)

WorkList Name : TOC-100725 **WorkList ID :** 192329 **Department :** Wet-Chemistry **Date :** 10-07-2025 09:21:59

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3019-03	WP0925-PT-DEM-WP	Water	TOC	Conc H2SO4 to pH < 2	ALLI03	QA Of	09/02/2025	SM5310B
Q3019-04	WP0925-PT-DEM-WP	Water	TOC	Conc H2SO4 to pH < 2	ALLI03	QA Of	09/02/2025	9060A

Date/Time 10/07/25 10:00
Raw Sample Received by: IZ(WC)
Raw Sample Relinquished by: SJ(QAO)

Date/Time NA
Raw Sample Received by: "
Raw Sample Relinquished by: "

Reviewed By:Iwona
On:10/9/2025 11:13:29 AM
Inst Id :Appolo-9000
LB :LB137458

TOTAL VOLATILE SOLIDS 160.4

TEMP1 IN:	104 °C	10/08/2025 17:00	**TEMP1 OUT:**	103 °C	10/09/2025 07:30
TEMP2 IN:	104 °C	10/09/2025 09:00	**TEMP2 OUT:**	550 °C	10/09/2025 09:30
TEMP3 IN:	550 °C	10/09/2025 11:00	**TEMP3 OUT:**	540 °C	10/09/2025 11:30
TEMP4 IN:	550 °C	10/09/2025 13:10	**TEMP4 OUT:**	550 °C	10/09/2025 14:00

Run Number: LB137467
SUPERVISOR: Iwona
ANALYST: jignesh
BalanceID: WC SC-5
OvenID: WC OVEN-1

Dish #	Lab ID	Empty Dish Weight (g)	Final Empty Dish Weight (g)	Sample Vol (ml)	1st Dish + SampleWt Drying @103-@105°C (g)	Final Dish + SampleWt Drying @103-@105°C (g)	Dish + Samplewt Drying @550(±50)°C (g)	Final Dish + Samplewt Drying @550(±50)°C (g)	Weight Diff (g)	Result (mg/L)
1	LB137467BL	87.9225	87.9225	100	87.9225	87.9225	87.9225	87.9225	0.0000	0
2	Q3019-31	87.9143	87.9143	100	87.9575	87.9575	87.9215	87.9215	0.0360	360

A = Sample Volume (ml)
B = Final Dish + Samplewt Drying @550(±50)°C (g)
C = Final Dish + SampleWt Drying @103-@105°C (g)
D = Weight (g)
E = Final Empty Dish Weight (g)
F = Final Dish + SampleWt Drying @103-@105°C (g)

Weight D = C - B

Result % = $\frac{D}{A} * 1000000$

WORKLIST(Hardcopy Internal Chain)

LB137467

WorkList Name : tvs w q3019 **WorkList ID :** 192355 **Department :** Wet-Chemistry **Date :** 10-08-2025 12:21:14

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3019-31	WP0925-PT-VSOL-WP	Water	TVS	Cool 4 deg C	ALLI03	QA Of	09/02/2025	160.4

Date/Time 10/08/25 12:20
Raw Sample Received by: TP (WC)
Raw Sample Relinquished by: SJ (QAO)

Date/Time 10/08/25 17:30
Raw Sample Received by: NA
Raw Sample Relinquished by: TP (WC)

Reviewed By:lwona
On:10/16/2025 5:01:50 PM
Inst Id :WC SC-3
LB :LB137467

TOTAL VOLATILE SOLIDS SM2540 G

TEMP1 IN:	104 °C	10/08/2025 17:00	**TEMP1 OUT:**	103 °C	10/09/2025 07:30
TEMP2 IN:	104 °C	10/09/2025 09:00	**TEMP2 OUT:**	550 °C	10/09/2025 09:30
TEMP3 IN:	550 °C	10/09/2025 11:00	**TEMP3 OUT:**	540 °C	10/09/2025 11:30
TEMP4 IN:	550 °C	10/09/2025 13:10	**TEMP4 OUT:**	550 °C	10/09/2025 14:00

Run Number: LB137468
SUPERVISOR: Iwona
ANALYST: jignesh
BalanceID: WC SC-5
OvenID: WC OVEN-1

Dish #	Lab ID	Empty Dish Weight (g)	Final Empty Dish Weight (g)	Sample Vol (ml)	1st Dish + SampleWt Drying @103-@105°C (g)	Final Dish + SampleWt Drying @103-@105°C (g)	Dish + Samplewt Drying @550(±50)°C (g)	Final Dish + Samplewt Drying @550(±50)°C (g)	Weight Diff (g)	Result (mg/L)
1	LB137468BL	87.9225	87.9225	100	87.9225	87.9225	87.9225	87.9225	0.0000	0
2	Q3019-32	87.9143	87.9143	100	87.9575	87.9575	87.9215	87.9215	0.0360	360

A = Sample Volume (ml)
B = Final Dish + Samplewt Drying @550(±50)°C (g)
C = Final Dish + SampleWt Drying @103-@105°C (g)
D = Weight (g)
E = Final Empty Dish Weight (g)
F = Final Dish + SampleWt Drying @103-@105°C (g)

Weight D = C - B

Result % = $\frac{D}{A} * 1000000$

WORKLIST(Hardcopy Internal Chain)

LB 137468

WorkList Name : tvs w q3019-2 **WorkList ID :** 192356 **Department :** Wet-Chemistry **Date :** 10-08-2025 12:22:18

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3019-32	WP0925-PT-VSOL-WP	Water	TVS	Cool 4 deg C	ALLI03	QA Of	09/02/2025	SM2540 G

Date/Time 10/08/25 12:40

Raw Sample Received by: [illegible]

Raw Sample Relinquished by: SR(QAO)

Date/Time 10/08/25 17:30

Raw Sample Received by: NA

Raw Sample Relinquished by: [illegible]

Reviewed By:lwona
On:10/16/2025 5:01:58 PM
Inst Id :WC SC-3
LB :LB137468

Reviewed By:jignesh
On:10/9/2025 4:28:54 PM
Inst Id :WC TURBIDIMETER-1

Analytical Summary Report

Analysis Method: 180.1 ANALYST: Iwona

Parameter: Turbidity SUPERVISOR REVIEW BY: jignesh

Run Number: LB137482

Reagent/Standard	Lot/Log #
TURBIDITY LOD STD, 0.5NTU	WP115134
Turbidity Calibration std, 0NTU	WP115127
Turbidity Calibration std, 20NTU	WP115129
Turbidity Calibration std, 0.5NTU	WP115133
Turbidity Calibration std, 40NTU	WP115128
Turbidity Calibration std, 1NTU	WP115132
Turbidity Calibration - CCV std, 10 NTU	WP115130
10 NTU Standard 500 ml	W3116

Intercept: 0.0865 **Slope:** 1.1087 **Regression:** 0.9999

Seq	Lab ID	True Value (NTU)	Dilution	Reading	Result (mg/l)	%D	Anal Date	Anal Time
1	CAL1	0	1	0.148	0.06		10/09/2025	15:10
2	CAL2	1	1	1.260	1.06	5.8	10/09/2025	15:13
3	CAL3	5	1	5.670	5.04	0.7	10/09/2025	15:16
4	CAL4	10	1	11.200	10.02	0.2	10/09/2025	15:20
5	CAL5	20	1	21.900	19.68	-1.6	10/09/2025	15:23
6	CAL6	40	1	44.600	40.15	0.4	10/09/2025	15:26

Alliance TECHNICAL GROUP

Analytical Summary Report

Analysis Method: 180.1
Parameter: Turbidity
Run Number: LB137482

ANALYST: Iwona
SUPERVISOR REVIEW BY: jignesh

Seq	Lab ID	True Value (NTU)	Dilution	Reading	Result (NTU)	AnalDate	Anal Time
1	ICV	10	1	11.600	10.385	10/09/2025	15:29
2	ICB		1	0.152	0.059	10/09/2025	15:32
3	CCV1	10	1	10.800	9.663	10/09/2025	15:35
4	CCB1		1	0.164	0.070	10/09/2025	15:38
5	LB137482BL		1	0.184	0.088	10/09/2025	15:41
6	Q2893-09		1	0.741	0.590	10/09/2025	15:44
7	Q3019-34		1	14.900	13.361	10/09/2025	15:47
8	CCV2	10	1	10.200	9.122	10/09/2025	15:51
9	CCB2		1	0.174	0.079	10/09/2025	15:54

LB 137482
LB 137483

WORKLIST(Hardcopy Internal Chain)

WorkList Name : TURBIDITY-100925 **WorkList ID :** 192376 **Department :** Wet-Chemistry **Date :** 10-09-2025 13:57:12

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3019-33	WP0925-PT-TURB-WP	Water	Turbidity	Cool 4 deg C	ALLI03	QA Of	09/02/2025	SM2130 B
Q3019-34	WP0925-PT-TURB-WP	Water	Turbidity	Cool 4 deg C	ALLI03	QA Of	09/02/2025	180.1

Date/Time 10/09/25 14:10
Raw Sample Received by: 12 (oC)
Raw Sample Relinquished by: SJ (QAO)

Date/Time NA
Raw Sample Received by: 11
Raw Sample Relinquished by: ( )

Reviewed By:jignesh
On:10/9/2025 4:28:54 PM
Inst Id :WC
TURBIDIMETER-1

Reviewed By:jignesh
On:10/9/2025 4:29:37 PM
Inst Id :WC TURBIDIMETER-1

Analytical Summary Report

Analysis Method: SM2130 B
ANALYST: Iwona
Parameter: Turbidity
SUPERVISOR REVIEW BY: jignesh
Run Number: LB137483

Reagent/Standard	Lot/Log #
TURBIDITY LOD STD, 0.5NTU	WP115134
Turbidity Calibration std, 0NTU	WP115127
Turbidity Calibration std, 20NTU	WP115129
Turbidity Calibration std, 40NTU	WP115128
Turbidity Calibration std, 1NTU	WP115132
Turbidity Calibration std, 5NTU	WP115131
Turbidity Calibration - CCV std, 10 NTU	WP115130
10 NTU Standard 500 ml	W3116

Intercept: 0.0865 **Slope:** 1.1087 **Regression:** 0.9999

Seq	Lab ID	True Value (NTU)	Dilution	Reading	Result (mg/l)	%D	Anal Date	Anal Time
1	CAL1	0	1	0.148	0.06		10/09/2025	15:10
2	CAL2	1	1	1.260	1.06	5.8	10/09/2025	15:13
3	CAL3	5	1	5.670	5.04	0.7	10/09/2025	15:16
4	CAL4	10	1	11.200	10.02	0.2	10/09/2025	15:20
5	CAL5	20	1	21.900	19.68	-1.6	10/09/2025	15:23
6	CAL6	40	1	44.600	40.15	0.4	10/09/2025	15:26

Reviewed By:jignesh
On:10/9/2025 4:29:37 PM
Inst Id :WC TURBIDIMETER-1

Analytical Summary Report

Analysis Method: SM2130 B
Parameter: Turbidity
Run Number: LB137483

ANALYST: Iwona
SUPERVISOR REVIEW BY: jignesh

Seq	Lab ID	True Value (NTU)	Dilution	Reading	Result (NTU)	AnalDate	Anal Time
1	ICV	10	1	11.600	10.385	10/09/2025	15:29
2	ICB		1	0.152	0.059	10/09/2025	15:32
3	CCV1	10	1	10.800	9.663	10/09/2025	15:35
4	CCB1		1	0.164	0.070	10/09/2025	15:38
5	LB137483BL		1	0.184	0.088	10/09/2025	15:41
6	Q2893-12		1	0.741	0.590	10/09/2025	15:44
7	Q3019-33		1	14.900	13.361	10/09/2025	15:47
8	CCV2	10	1	10.200	9.122	10/09/2025	15:51
9	CCB2		1	0.174	0.079	10/09/2025	15:54

TOTAL SUSPENDED SOLIDS - SM2540D

SUPERVISOR: Iwona
ANALYST: jignesh
Date: 10/15/2025
Run Number: LB137553
BalanceID: WC SC-5
OvenID: WC OVEN-1
FilterID: 17416528
ThermometerID: WET OVEN#1

TEMP1 IN:	104 °C	10/15/2025 14:00	**TEMP1 OUT:**	103 °C	10/15/2025 15:00
TEMP2 IN:	104 °C	10/15/2025 15:30	**TEMP2 OUT:**	104 °C	10/15/2025 16:30
TEMP3 IN:	104 °C	10/16/2025 09:35	**TEMP3 OUT:**	103 °C	10/16/2025 11:11
TEMP4 IN:	104 °C	10/16/2025 12:00	**TEMP4 OUT:**	103 °C	10/16/2025 13:35

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	LB137553BL	LB137553BL	1.3562	1.3563	100	1.3563	1.3563	1.3563	0.0000	0
2	LB137553BS	LB137553BS	1.5896	1.5897	100	1.6458	1.6458	1.6458	0.0561	561
3	Q3019-10	WP0925-PT-SOL-WP	1.4823	1.4823	100	1.4847	1.4847	1.4847	0.0024	24
4	Q3344-01	1 EFFLUENT-COMPOSITE	1.4828	1.4828	1000	1.5397	1.5397	1.5397	0.0569	56.9
5	Q3344-01DUP	1 EFFLUENT-COMPOSITEDUP	1.4827	1.4827	1000	1.5387	1.5387	1.5387	0.0560	56
6	Q3345-07	TANK-FARM-WATER	1.4827	1.4828	1800	2.7993	2.7993	2.7993	1.3165	731.4
7	Q3351-01	SW-1	1.4858	1.4859	450	1.5142	1.5142	1.5142	0.0283	62.9
8	Q3351-02	SW-2	1.4922	1.4922	450	1.6264	1.6264	1.6264	0.1342	298.2
9	Q3359-02	Comp	1.4956	1.4956	50	1.5454	1.5454	1.5454	0.0498	996

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 = $\frac{D}{A} * 1000 * 1000$

Q3019-GENCHEM

WORKLIST(Hardcopy Internal Chain)

LB 137553

WorkList Name : tss q3357 **WorkList ID :** 192489 **Department :** Wet-Chemistry **Date :** 10-16-2025 07:33:52

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3019-10	WP0925-PT-SOL-WP	Water	TSS	Cool 4 deg C	ALLI03	QA Of	09/02/2025	SM2540 D
Q3344-01 B,C	1 EFFLUENT-COMPOSITE	Water	TSS	Cool 4 deg C	M&MM01	J22	10/14/2025	SM2540 D
Q3345-07 I5	TANK-FARM-WATER	Water	TSS	Cool 4 deg C	PSEG03	D31	10/14/2025	SM2540 D
Q3351-01	SW-1	Water	TSS	Cool 4 deg C	ATGG01	J33	10/13/2025	SM2540 D
Q3351-02	SW-2	Water	TSS	Cool 4 deg C	ATGG01	J33	10/13/2025	SM2540 D
Q3359-02 B	Comp	Water	TSS	Cool 4 deg C	ARAM01	J41	10/15/2025	SM2540 D

360 of 697

Date/Time 10/16/25 07:45

Raw Sample Received by:

Raw Sample Relinquished by:

Date/Time 10/16/25 1h1.00

Raw Sample Received by:

Raw Sample Relinquished by:

Reviewed By:Iwona
On:10/16/2025 2:57:43 PM
Inst Id :WC SC-3
LB :LB137553

TOTAL Dissolved Solids - SM2540C

Run Number: LB137554

SUPERVISOR: Iwona **ANALYST:** jignesh

Date: 10/16/2025

BalanceID: WC SC-5

Filter ID: 17416528

EMPTY DISH TEMP IN:	104 °C	10/15/2025	11:00	**EMPTY DISH TEMP OUT:**	104 °C	10/15/2025	12:00	**OvenID:** WC OVEN-1	**Thermo ID:** WET OVEN#1
TEMP1 IN:	104 °C	10/15/2025	12:30	**TEMP1 OUT:**	104 °C	10/15/2025	13:30	**OvenID1:** WC OVEN-1	**Thermo ID1:** WET OVEN#1
TEMP2 IN:	103 °C	10/15/2025	16:40	**TEMP2 OUT:**	103 °C	10/16/2025	07:00	**OvenID2:** WC OVEN-2	**Thermo ID2:** WET OVEN#2
TEMP3 IN:	180 °C	10/16/2025	07:05	**TEMP3 OUT:**	182 °C	10/16/2025	09:10	**OvenID3:** WC OVEN-2	**Thermo ID3:** WET OVEN#2

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 @180(±2)°C (g)	2nd Empty Dish+Sample weight after 1.5hr drying @180(±2)°C (g)	Final Empty Dish+Sample weight after 1.5hr drying @180(±2)°C (g)	Weight (g)	Result mg/L
1	LB137554BL	LB137554BL	135.2317	135.2317	100	135.2318	135.2318	135.2318	0.0001	1
2	LB137554BS	LB137554BS	108.7463	108.7463	100	108.7557	108.7557	108.7557	0.0094	94
3	Q3019-10	WP0925-PT-SOL-WP	92.9140	92.9140	100	92.9761	92.9761	92.9761	0.0621	621
4	Q3344-01	1 EFFLUENT-COMPOSITE	143.5399	143.5399	100	143.9601	143.9601	143.9601	0.4202	4202
5	Q3344-01DUP	1 EFFLUENT-COMPOSITEDUP	152.9613	152.9613	100	153.3848	153.3848	153.3848	0.4235	4235

A = Sample Volume (ml)
B = Empty Dish Weight (g)
C = 2nd Empty Dish + Sample weight after 1.5 hr drying @180(±2)°C(g)
D = Weight (g)

Weight (g) = C - B

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

LB137554

WORKLIST(Hardcopy Internal Chain)

WorkList Name : tds q3344 **WorkList ID :** 192480 **Department :** Wet-Chemistry **Date :** 10-15-2025 11:03:05

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3019-10	WP0925-PT-SOL-WP	Water	TDS	Cool 4 deg C	ALLI03	QA Of	09/02/2025	SM2540 C
Q3344-01 C	1 EFFLUENT-COMPOSITE	Water	TDS	Cool 4 deg C	M&MM01	J22	10/14/2025	SM2540 C

Date/Time 10/15/25 12:30

Raw Sample Received by: TD (WC)

Raw Sample Relinquished by: JJ (QAO)

Date/Time 10/15/25 17:00

Raw Sample Received by: AP SM

Raw Sample Relinquished by: AP (WC)

Reviewed By:Iwona On:10/16/2025 2:57:14 PM Inst Id :WC SC-3 LB :LB137554

TOTAL SOLIDS - SM2540B

SUPERVISOR: Iwona
ANALYST: jignesh
Date: 10/15/2025
Run Number: LB137555
BalanceID: WC SC-5
OvenID: WC OVEN-1
ThermometerID: WET OVEN#1

TEMP1 IN:	104 °C	10/15/2025 12:00	**TEMP1 OUT:**	103 °C	10/15/2025 13:00
TEMP2 IN:	104 °C	10/15/2025 13:30	**TEMP2 OUT:**	104 °C	10/15/2025 14:30
TEMP3 IN:	104 °C	10/15/2025 16:40	**TEMP3 OUT:**	103 °C	10/16/2025 07:30
TEMP4 IN:	104 °C	10/16/2025 08:00	**TEMP4 OUT:**	103 °C	10/16/2025 09:30

Dish #	Lab ID	Client ID	Empty Dish Weight (g)	Final Empty Dish Weight (g)	Sample Vol (ml)	Orignal weight 1st Dish+Sample weight after Drying @103-@105°C (g)	Constant weight 2nd Dish+Sample weight after Drying @103-@105°C (g)	Final Constant weight Final Dish+Sample weight after Drying @103-@105°C (g)	Weight (g)	Result (mg/L)
1	LB137555BL	LB137555BL	94.6521	94.6521	100	94.6521	94.6521	94.6521	0.0000	0
2	LB137555BS	LB137555BS	97.8184	97.8184	100	97.8667	97.8667	97.8667	0.0483	483
3	Q3019-10	WP0925-PT-SOL-WP	97.8184	97.8184	100	97.8824	97.8824	97.8824	0.0640	640

A = Sample Volume (ml)
B = Final Empty Dish Weight (g)
C = Final Dish+Sample weight after Drying @103-@105°C (g)

Result mg/L = ((C - B) / A) * 1000 * 1000

LB 137555

WORKLIST(Hardcopy Internal Chain)

WorkList Name : ts q3019 w **WorkList ID :** 192484 **Department :** Wet-Chemistry **Date :** 10-15-2025 14:33:47

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3019-10	WP0925-PT-SOL-WP	Water	TS	Cool 4 deg C	ALLI03	QA Of	09/02/2025	SM2540 B

Date/Time 10/15/25 ~~15:00~~ 12:00

Raw Sample Received by: SP (WC)

Raw Sample Relinquished by: ST (QAO)

Date/Time 10/15/25 17:00

Raw Sample Received by: N/A

Raw Sample Relinquished by: SP (WC)

Reviewed By:lwona
On:10/16/2025 2:55:35 PM
Inst Id :WC SC-3
LB :LB137555

Alliance TECHNICAL GROUP

Water Sulfide Preparation Sheet

PB169543

SOP ID : M9034-SM4500 S F-Sulfide-16

SDG No : N/A

Start Digest Date: 09/10/2025 **Time :** 10:50 **Temp :** 70 °C

Matrix : WATER

End Digest Date: 09/10/2025 **Time :** 11:20 **Temp :** 70 °C

Pippete ID : WC

Balance ID : N/A

Hood ID : HOOD#2

Digestion tube ID : M5595

Block Thermometer ID : N/A

Block ID : WC-DIST-BLOCK-1

Filter paper ID : N/A

Prep Technician Signature: RM

Weigh By : N/A

pH Meter ID : N/A

Supervisor Signature: 12

Standared Name	MLS USED	STD REF. # FROM LOG
LCSW	1.25ML	WP114687
PBW	50.0ML	W3112
MDL	1.0ML	WP114688
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
0.5M ZINC ACETATE	5.0ML	WP114311
FORMALDEHYDE	2.0ML	W3220
CONC H2SO4	N/A	M6186
pH Paper 0-14	N/A	W3215
KI-starch paper	N/A	W3155
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

09/10/2025 RM

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Water Sulfide Preparation Sheet

PB169543

Lab Sample ID	Client Sample ID	Initial Vol (ml)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
PB169543BL	PBW543	50	50	>12	N/A	Negative	N/A	N/A	N/A
PB169543BS	LCS543	50	50	>12	N/A	Negative	N/A	N/A	N/A
Q2893-12	MDL-WATER-06-QT3-2025	50	50	>12	N/A	Negative	N/A	N/A	N/A
Q3019-28	WP0925-PT-S2-WP	50	50	>12	N/A	Negative	N/A	N/A	N/A

WORKLIST(Hardcopy Internal Chain)

WorkList Name : SULFIDE-3019 **WorkList ID :** 191740 **Department :** Wet-Chemistry **Date :** 09-08-2025 14:38:38

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3019-28	WP0925-PT-S2-WP	Water	Sulfide	Zinc acetate and 6N NaOH tALLI03	QA Of		09/02/2025	SM4500 S Eor

Date/Time 09/10/2025 08:10

Raw Sample Received by: RM (WC)

Raw Sample Relinquished by: JP (WC)

Date/Time NA

Raw Sample Received by:

Raw Sample Relinquished by:

Alliance TECHNICAL GROUP

Water Sulfide Preparation Sheet

PB169543

SOP ID : M9034-SM4500 S F-Sulfide-16

SDG No : N/A

Start Digest Date: 09/10/2025 **Time :** 10:50 **Temp :** 70 °C

Matrix : WATER

End Digest Date: 09/10/2025 **Time :** 11:20 **Temp :** 70 °C

Pippete ID : WC

Balance ID : N/A

Hood ID : HOOD#2

Digestion tube ID : M5595

Block Thermometer ID : N/A

Block ID : WC-DIST-BLOCK-1

Filter paper ID : N/A

Prep Technician Signature: RM

Weigh By : N/A

pH Meter ID : N/A

Supervisor Signature: 12

Standared Name	MLS USED	STD REF. # FROM LOG
LCSW	1.25ML	WP114687
PBW	50.0ML	W3112
MDL	1.0ML	WP114688
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
0.5M ZINC ACETATE	5.0ML	WP114311
FORMALDEHYDE	2.0ML	W3220
CONC H2SO4	N/A	M6186
pH Paper 0-14	N/A	W3215
KI-starch paper	N/A	W3155
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

09/10/2025 RM

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Water Sulfide Preparation Sheet

PB169543

Lab Sample ID	Client Sample ID	Initial Vol (ml)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
PB169543BL	PBW543	50	50	>12	N/A	Negative	N/A	N/A	N/A
PB169543BS	LCS543	50	50	>12	N/A	Negative	N/A	N/A	N/A
Q2893-12	MDL-WATER-06-QT3-2025	50	50	>12	N/A	Negative	N/A	N/A	N/A
Q3019-28	WP0925-PT-S2-WP	50	50	>12	N/A	Negative	N/A	N/A	N/A

WORKLIST(Hardcopy Internal Chain)

WorkList Name : SULFIDE-3019 **WorkList ID :** 191740 **Department :** Wet-Chemistry **Date :** 09-08-2025 14:38:38

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3019-28	WP0925-PT-S2-WP	Water	Sulfide	Zinc acetate and 6N NaOH tALLI03	QA Of		09/02/2025	SM4500 S Eor

Date/Time 09/10/2025 08:10

Raw Sample Received by: RM (WC)

Raw Sample Relinquished by: JP (QC)

Date/Time N/A

Raw Sample Received by:

Raw Sample Relinquished by:

Alliance TECHNICAL GROUP

Water Phenolics Preparation Sheet

PB169624

SOP ID : M420.1 & 9065-Phenolics-14

SDG No : N/A

Start Digest Date: 09/11/2025 **Time :** 12:00 **Temp :** 150 °C

Matrix : WATER

End Digest Date: 09/11/2025 **Time :** 13:00 **Temp :** 160 °C

Pippete ID : WC

Balance ID : N/A

Hood ID : HOOD#2 **Digestion tube ID :** M5595 **Block Thermometer ID :** WC CYANIDE

Block ID : WC-DIST-BLOCK-1 **Filter paper ID :** N/A **Prep Technician Signature:** RM

Weigh By : N/A **pH Meter ID :** N/A **Supervisor Signature:** 12

Standared Name	MLS USED	STD REF. # FROM LOG
LCSW	1.0ML	WP114670
PBW	50.0ML	W3112
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
pH Paper 0-14	N/A	W3152
CONC H2SO4	N/A	M6186
KI-starch paper	N/A	W3155
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
09/11/2025 13:10	RM CWC	RM CWC
	Preparation Group	**Analysis Group**

Alliance TECHNICAL GROUP

Water Phenolics Preparation Sheet

PB169624

Lab Sample ID	Client Sample ID	Initial Vol (ml)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
PB169624BL	PBW624	50	50	<2	N/A	N/A	N/A	N/A	N/A
PB169624BS	LCS624	50	50	<2	N/A	N/A	N/A	N/A	N/A
Q3019-25	WP0925-PT-PHEN-WP	50	50	<2	N/A	N/A	N/A	N/A	N/A

WORKLIST(Hardcopy Internal Chain)

WorkList Name : phenolic-Q3019 **WorkList ID :** 191765 **Department :** Distillation **Date :** 09-09-2025 12:59:40

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3019-25	WP0925-PT-PHEN-WP	Water	Phenolics	Conc H2SO4 to pH < 2	ALLI03	QA Of	09/02/2025	9065

Date/Time 09/11/2025 11:00

Raw Sample Received by: RM (WC)

Raw Sample Relinquished by: 12 (WC)

Date/Time NA

Raw Sample Received by: 4

Raw Sample Relinquished by: 4

Alliance TECHNICAL GROUP

Water Phenolics Preparation Sheet

PB169625

SOP ID : M420.1 & 9065-Phenolics-14

SDG No : N/A

Start Digest Date: 09/11/2025 **Time :** 12:00 **Temp :** 150 °C

Matrix : WATER

End Digest Date: 09/11/2025 **Time :** 13:00 **Temp :** 160 °C

Pippete ID : WC

Balance ID : N/A

Hood ID : HOOD#2 **Digestion tube ID :** M5595 **Block Thermometer ID :** WC CYANIDE

Block ID : WC-DIST-BLOCK-1 **Filter paper ID :** N/A **Prep Technician Signature:** RM

Weigh By : N/A **pH Meter ID :** N/A **Supervisor Signature:** 12

Standared Name	MLS USED	STD REF. # FROM LOG
LCSW	1.0ML	WP114670
PBW	50.0ML	W3112
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
pH Paper 0-14	N/A	W3152
CONC H2SO4	N/A	M6186
KI-starch paper	N/A	W3155
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
09/11/2025 13:10	RM CWC	RM CWC
	Preparation Group	**Analysis Group**

Alliance TECHNICAL GROUP

Water Phenolics Preparation Sheet

PB169625

Lab Sample ID	Client Sample ID	Initial Vol (ml)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
PB169625BL	PBW625	50	50	<2	N/A	N/A	N/A	N/A	N/A
PB169625BS	LCS625	50	50	<2	N/A	N/A	N/A	N/A	N/A
Q3019-26	WP0925-PT-PHEN-WP	50	50	<2	N/A	N/A	N/A	N/A	N/A

WORKLIST(Hardcopy Internal Chain)

WorkList Name : phenolic-3019 **WorkList ID :** 191764 **Department :** Distillation **Date :** 09-09-2025 12:59:31

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3019-26	WP0925-PT-PHEN-WP	Water	Phenolics	Conc H2SO4 to pH < 2	ALLI03	QA Of	09/02/2025	420.1

Date/Time 09/11/2025 11:00

Raw Sample Received by: RM (WC)

Raw Sample Relinquished by: 12 (WC)

Date/Time NA

Raw Sample Received by: 4

Raw Sample Relinquished by: 5

Alliance TECHNICAL GROUP

Water Cyanide Preparation Sheet

PB169630

SOP ID : MSM4500-CN C,E-Cyanide-13

SDG No : N/A

Start Digest Date: 09/10/2025 **Time :** 10:15 **Temp :** 123 °C

Matrix : WATER

End Digest Date: 09/10/2025 **Time :** 11:45 **Temp :** 126 °C

Pippete 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:** JP

Weigh By : N/A **pH Meter ID :** N/A **Supervisor Signature:** IZ

Standared Name	MLS USED	STD REF. # FROM LOG
LCSW	1.0ML	WP113838
PBW	50.0ML	W3112
RL CHECK	50.ML	WP114695
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
0.25N NaOH	50.ML	WP113836
50% v/v H2SO4	5.ML	WP112826
51% w/v MgCL2	2.ML	WP112827
pH Paper 0-14	N/A	W3215
Nitrate/Nitrite Strip	N/A	W3182
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	WP113837
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
09/10/2025 11:55	JP / (WC)	RM (WC)
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Water Cyanide Preparation Sheet

PB169630

Lab Sample ID	Client Sample ID	Initial Vol (ml)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
PB169630BL	PBW630	50	50	>12	Negative	Negative	Negative	N/A	N/A
PB169630BS	LCS630	50	50	>12	Negative	Negative	Negative	N/A	N/A
Q3019-22	WP0925-PT-CN-WP	50	50	>12	Negative	Negative	Negative	N/A	N/A

WORKLIST(Hardcopy Internal Chain)

WorkList Name : CN-Q3019 **WorkList ID :** 191790 **Department :** Distillation **Date :** 09-10-2025 07:27:34

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3019-22	WP0925-PT-CN-WP	Water	Cyanide	1:1 NaOH to pH >12	ALLI03	QA Of	09/02/2025	SM4500-CN C

Date/Time 09/10/2025 07:30
Raw Sample Received by: [illegible]
Raw Sample Relinquished by: [illegible]

Date/Time N/A
Raw Sample Received by: [illegible]
Raw Sample Relinquished by: [illegible]

Alliance TECHNICAL GROUP

Water Cyanide Preparation Sheet

PB169639

SOP ID : M9012B-Total, Amenable and Reactive Cyanide-21

SDG No : N/A

Start Digest Date: 09/10/2025 **Time :** 08:10 **Temp :** 123 °C

Matrix : WATER

End Digest Date: 09/10/2025 **Time :** 09:40 **Temp :** 127 °C

Pippete 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:** JP

Weigh By : N/A **pH Meter ID :** N/A **Supervisor Signature:** 12

Standared Name	MLS USED	STD REF. # FROM LOG
LCSW	50.0ML	WP113838
PBW	50.0ML	W3112
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
0.25N NaOH	50.0ML	WP113836
50% v/v H2SO4	5.0ML	WP112826
51% w/v MgCL2	2.0ML	WP112827
pH Paper 0-14	N/A	W3140
Nitrate/Nitrite Strip	N/A	W3182
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	N/A	N/A
ICB	ICB	N/A	AS PER PB169627
CCV	CCV	N/A	N/A
CCB	CCB	N/A	N/A
Midrange	Midrange	N/A	N/A
HIGHSTD	HIGHSTD	N/A	AS PER PB169627
LOWSTD	LOWSTD	N/A	AS PER PB169627

Extraction Conformance/Non-Conformance Comments:

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
09/10/2025 09:55	JP / CDC	RM CWY
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Water Cyanide Preparation Sheet

PB169639

Lab Sample ID	Client Sample ID	Initial Vol (ml)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
PB169639BL	PBW639	50	50	>12	Negative	Negative	Negative	N/A	N/A
PB169639BS	LCS639	50	50	>12	Negative	Negative	Negative	N/A	N/A
Q3019-23	WP0925-PT-CN-SP	50	50	>12	Negative	Negative	Negative	N/A	N/A

WORKLIST(Hardcopy Internal Chain)

WorkList Name : CN-3019 **WorkList ID :** 191789 **Department :** Distillation **Date :** 09-10-2025 07:27:30

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3019-23	WP0925-PT-CN-SP	Water	Cyanide	1:1 NaOH to pH >12	ALLI03	QA Of	09/02/2025	9012B

Date/Time 09/10/2025 07.30
Raw Sample Received by: [illegible] (CDC)
Raw Sample Relinquished by: 12 (WC)

Date/Time NA
Raw Sample Received by: "
Raw Sample Relinquished by: "

Alliance TECHNICAL GROUP

Water Cyanide Preparation Sheet

PB169642

SOP ID : M9014-Reactive Cyanide--9

SDG No : N/A

Matrix : WATER

Pippete ID : WC

Balance ID : N/A

Hood ID : HOOD#1

Block ID : MC-1,MC-2

Weigh By : N/A

Start Digest Date: 09/10/2025 **Time :** 10:15 **Temp :** 123 °C

End Digest Date: 09/10/2025 **Time :** 11:45 **Temp :** 127 °C

Digestion tube ID : M5595

Filter paper ID : N/A

pH Meter ID : N/A

Block Thermometer ID : WC CYANIDE

Prep Technician Signature: JP

Supervisor Signature: 12

Standared Name	MLS USED	STD REF. # FROM LOG
LCSW	1.0ML	WP113838
PBW	50.0ML	W3112
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
0.25N NaOH	50.0ML	WP113836
50% v/v H2SO4	5.0ML	WP112826
51% w/v MgCL2	2.0ML	WP112827
pH Paper 0-14	N/A	W3215
Nitrate/Nitrite Strip	N/A	W3182
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	N/A	AS PER PB169627
ICB	ICB	N/A	N/A
CCV	CCV	N/A	N/A
CCB	CCB	N/A	N/A
Midrange	Midrange	N/A	N/A
HIGHSTD	HIGHSTD	N/A	AS PER PB169627
LOWSTD	LOWSTD	N/A	AS PER PB169627

Extraction Conformance/Non-Conformance Comments:

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
09/10/2025 11:55	JP / WC	RM (WC)
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Water Cyanide Preparation Sheet

PB169642

Lab Sample ID	Client Sample ID	Initial Vol (ml)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
PB169642BL	PBW642	50	50	>12	Negative	Negative	Negative	N/A	N/A
PB169642BS	LCS642	50	50	>12	Negative	Negative	Negative	N/A	N/A
Q3019-24	WP0925-PT-CN-SP	50	50	>12	Negative	Negative	Negative	N/A	N/A

WORKLIST(Hardcopy Internal Chain)

WorkList Name : CN3019 **WorkList ID :** 191788 **Department :** Distillation **Date :** 09-10-2025 07:27:24

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3019-24	WP0925-PT-CN-SP	Water	Cyanide	1:1 NaOH to pH >12	ALLI03	QA Of	09/02/2025	9014

Date/Time 09/10/2025 07:30

Raw Sample Received by: JP (WC)

Raw Sample Relinquished by: 12 (WC)

Date/Time NA

Raw Sample Received by: 4

Raw Sample Relinquished by: 6

Alliance TECHNICAL GROUP

Water TKN Preparation Sheet

PB169715

SOP ID : MSM4500-N Org C-TKN-12

SDG No : N/A

Matrix : WATER

Pippete ID : WC

Balance ID : N/A

Hood ID : HOOD#2&3

Block ID : WC-DIST-BLOCK-1

Weigh By : N/A

Start Digest Date: 09/16/2025 **Time :** 10:35 **Temp :** 380 °C

End Digest Date: 09/16/2025 **Time :** 12:05 **Temp :** 385 °C

Start Distillation Date: 09/16/2025 **Time :** 12:45 **Temp :** 150 °C

End Distillation Date: 09/16/2025 **Time :** 13:45 **Temp :** 160 °C

Digestion tube ID : M5595

Filter paper ID : N/A

pH Meter ID : N/A

Block Thermometer ID : Therm#2(2179)

Prep Technician Signature: RM

Supervisor Signature: 12

Standared Name	MLS USED	STD REF. # FROM LOG
TKN CAL STD	50.0ML	WP114787
TKN CCV STD	50.0ML	WP114788
TKN ICV STD	50.0ML	WP114789
TKN LCS STD	50.0ML	WP114790
RL CHECK	10.0ML	WP114788

Chemical Used	ML/SAMPLE USED	Lot Number
TKN DIGESTION FLUID	10.0ML	WP113135
TKN DISTILLATION BUFFER	10.0ML	WP114445
H2SO4 0.04N	5.0ML	WP112828
pH Paper 0-14	N/A	W3215
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

ALL GLASSWEAR ARE STEAMED OUT AND THERE WERE NO TRACE OF AMMONIA USING NESLER REAGENT
WP114104.MDL WP114791

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
09/16/2025 13:55	RM (WC)	RM (WC)
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Water TKN Preparation Sheet

PB169715

Lab Sample ID	Client Sample ID	Initial Vol (ml)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
PB169715BL	PBW715	50	50	<2	N/A	N/A	N/A	PH AFTER ADDING DIST BUFFER>11	N/A
PB169715BS	LCS715	50	50	<2	N/A	N/A	N/A	PH AFTER ADDING DIST BUFFER>11	N/A
Q2893-09	MDL-WATER-03-QT3-2025	50	50	<2	N/A	N/A	N/A	PH AFTER ADDING DIST BUFFER>11	N/A
Q3019-13	WP0925-PT-NUT2-WP	50	50	<2	N/A	N/A	N/A	PH AFTER ADDING DIST BUFFER>11	N/A

WORKLIST(Hardcopy Internal Chain)

WorkList Name : tkn-9-16 **WorkList ID :** 191901 **Department :** Distillation **Date :** 09-16-2025 09:17:54

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2893-09	MDL-WATER-03-QT3-2025	Water	TKN	NONE	ALLI03	QA Of	08/18/2025	SM4500 N Org
Q3019-13	WP0925-PT-NUT2-WP	Water	TKN	Conc H2SO4 to pH < 2	ALLI03	QA Of	09/02/2025	SM4500 N Org

Date/Time 09/16/2025 09:40
Raw Sample Received by: RM (WL)
Raw Sample Relinquished by: 12(WC)

Date/Time NA
Raw Sample Received by: 4
Raw Sample Relinquished by: 4

Alliance TECHNICAL GROUP

Water Ammonia Preparation Sheet

PB169716

SOP ID : MSM4500-NH3 B,G-Ammonia-18

SDG No : N/A

Start Digest Date: 09/16/2025 **Time :** 15:50 **Temp :** 150 °C

Matrix : WATER

End Digest Date: 09/16/2025 **Time :** 16:50 **Temp :** 160 °C

Pippete ID : WC

Balance ID : N/A

Hood ID : HOOD#2 **Digestion tube ID :** M5595 **Block Thermometer ID :** WC CYANIDE

Block ID : WC-DIST-BLOCK-1 **Filter paper ID :** N/A **Prep Technician Signature:** RM

Weigh By : N/A **pH Meter ID :** N/A **Supervisor Signature:** 12

Standared Name	MLS USED	STD REF. # FROM LOG
LCSW	1.0ML	WP114786
PBW	50.0ML	W3112
RL CHECK	0.1ML	WP114785
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
BORATE BUFFER	2.5ML	WP113886
NAOH 6N	0.5-2.0ML	WP113887
H2SO4 0.04N	5.0ML	WP112828
pH strip-Ammonia	N/A	W3133
KI-starch paper	N/A	W3155
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

ALL GLASSWEAR ARE STEAMED OUT AND THERE WERE NO TRACE OF AMMONIA USING NESLER REAGENT WP114104.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
09/16/2025 17:00	RM (WC)	RM (WC)
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Water Ammonia Preparation Sheet

PB169716

Lab Sample ID	Client Sample ID	Initial Vol (ml)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
PB169716BL	PBW716	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
PB169716BS	LCS716	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q3019-11	WP0925-PT-NUT1-WP	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A

WORKLIST(Hardcopy Internal Chain)

WorkList Name : ammonia-3019 **WorkList ID :** 191903 **Department :** Distillation **Date :** 09-16-2025 09:18:09

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3019-11	WP0925-PT-NUT1-WP	Water	Ammonia	Conc H2SO4 to pH < 2	ALLI03	QA Of	09/02/2025	SM4500-NH3

Date/Time 09/16/2025 14.00

Raw Sample Received by: RM (WC)

Raw Sample Relinquished by: 12(WC)

Date/Time NA

Raw Sample Received by: "

Raw Sample Relinquished by: "

Alliance TECHNICAL GROUP

Water Phosphorus-Total Preparation Sheet

PB169837

SOP ID : M365.3 & SM4500-P E-19

SDG No : N/A

Matrix : WATER

Pippete ID : WC

Balance ID : N/A

Hood ID : HOOD#3

Block ID : WC S-1, WC S-2

Weigh By : N/A

Start Digest Date: 09/25/2025 **Time :** 10:40 **Temp :** 94 °C

End Digest Date: 09/25/2025 **Time :** 11:35 **Temp :** 96 °C

Digestion tube ID : M5595

Filter paper ID : 400213

pH Meter ID : N/A

Block Thermometer ID : WC-BLOCK#1

Prep Technician Signature: 12

Supervisor Signature: JP

Standared Name	MLS USED	STD REF. # FROM LOG
LCSW	0.5ML	WP112914
MS/MSD SPIKE SOL.	0.5ML	WP112913
PBW	50.ML	W3112
RL CHECK	50.0ML	WP114897
LOD/MDL	50.ML	WP114899

Chemical Used	ML/SAMPLE USED	Lot Number
11N H2SO4	1ML	WP112615
AMMONIUM PERSULFATE	0.4g	W3035
pH Paper 0-14	N/A	W3215
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
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
CAL1	CAL1	50.0ML	WP114888
CAL2	CAL2	50.0ML	WP114889
CAL3	CAL3	50.0ML	WP114891
CAL4	CAL4	50.0ML	WP114892
CAL5	CAL5	50.0ML	WP114893
CAL6	CAL6	50.0ML	WP114894
ICV	ICV	50.0ML	WP114895
ICB	ICB	50.0ML	W3112
CCV	CCV	50.0ML	WP114896
CCB	CCB	50.0ML	W3112

Extraction Conformance/Non-Conformance Comments:

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
	Preparation Group	Analysis Group

9/25/25

Alliance TECHNICAL GROUP

Water Phosphorus-Total Preparation Sheet

PB169837

Lab Sample ID	Client Sample ID	Initial Vol (ml)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
PB169837BL	PBW837	50	50	<2	N/A	N/A	N/A	N/A	N/A
PB169837BS	LCS837	50	50	<2	N/A	N/A	N/A	N/A	N/A
Q2893-09	MDL-WATER-03-QT3-2025	50	50	<2	N/A	N/A	N/A	N/A	N/A
Q3019-13	WP0925-PT-NUT2-WP	50	50	<2	N/A	N/A	N/A	N/A	N/A
Q3184-01	EFFLUENT	50	50	<2	N/A	N/A	N/A	N/A	N/A
Q3184-01DUP	EFFLUENTDUP	50	50	<2	N/A	N/A	N/A	N/A	N/A
Q3184-01MS	EFFLUENTMS	50	50	<2	N/A	N/A	N/A	N/A	N/A
Q3184-01MSD	EFFLUENTMSD	50	50	<2	N/A	N/A	N/A	N/A	N/A

WORKLIST(Hardcopy Internal Chain)

WorkList Name : TotalPhos-092525 **WorkList ID :** 192078 **Department :** Distillation **Date :** 09-25-2025 09:55:51

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2893-09	MDL-WATER-03-QT3-2025	Water	Phosphorus-Total	NONE	ALLI03	QA Of	08/18/2025	365.3
Q3019-13	WP0925-PT-NUT2-WP	Water	Phosphorus-Total	Conc H2SO4 to pH < 2	ALLI03	QA Of	09/02/2025	365.3
Q3184-01	EFFLUENT	Water	Phosphorus-Total	Conc H2SO4 to pH < 2	HOLL01	J52	09/24/2025	365.3

Date/Time 09/25/25 10:00
Raw Sample Received by: [illegible]
Raw Sample Relinquished by: [illegible]

Date/Time 09/25/25 11:05
Raw Sample Received by: [illegible]
Raw Sample Relinquished by: [illegible]

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Fax : 908 789 8922

Instrument ID: WC SC-3

Daily Analysis Runlog For Sequence/QCBatch ID # LB137127

Review By	JIGNESH	Review On	9/10/2025 10:18:25 AM
Supervise By	Iwona	Supervise On	9/10/2025 12:06:48 PM
SubDirectory	LB137127	Test	Oil and Grease

STD. NAME	STD REF.#
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	W3204,M6069,EP2636,WP112782,NA,NA,WP112783,N/A,WP112784

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	LB137127BL	LB137127BL	MB	09/10/25 11:25		JIGNESH	OK
2	LB137127BS	LB137127BS	LCS	09/10/25 11:25		JIGNESH	OK
3	Q3019-17	WP0925-PT-ORG1L-W	SAM	09/10/25 11:25		JIGNESH	OK
4	Q3041-01	001 Willets Pt Blvd (S	SAM	09/10/25 11:25		JIGNESH	OK
5	Q3041-04	002 35th Ave(sep)	SAM	09/10/25 11:25		JIGNESH	OK
6	Q3057-01	DRAIN-WATER-TANK	SAM	09/10/25 11:25		JIGNESH	OK
7	Q3057-02	Q3057-01MS	MS	09/10/25 11:25		JIGNESH	OK
8	Q3057-03	Q3057-01MSD	MSD	09/10/25 11:25		JIGNESH	OK

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Instrument ID: WC SC-3

Daily Analysis Runlog For Sequence/QCBatch ID # LB137128

Review By	JIGNESH	Review On	9/10/2025 10:25:24 AM
Supervise By	Iwona	Supervise On	9/10/2025 12:07:04 PM
SubDirectory	LB137128	Test	TPH

STD. NAME	STD REF.#
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	W3204,M6069,EP2636,WP112782,W3079,W3186,WP112783,WP112784,N/A

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	LB137128BL	LB137128BL	MB	09/10/25 12:40		JIGNESH	OK
2	LB137128BS	LB137128BS	LCS	09/10/25 12:40		JIGNESH	OK
3	LB137128BSD	LB137128BSD	LCSD	09/10/25 12:40		JIGNESH	OK
4	Q3019-18	WP0925-PT-TPH1L-W	SAM	09/10/25 12:40		JIGNESH	OK
5	Q3057-01	DRAIN-WATER-TANK	SAM	09/10/25 12:40		JIGNESH	OK

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Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QCBatch ID # LB137132

Review By	rubina	Review On	9/11/2025 9:34:27 AM
Supervise By	Iwona	Supervise On	9/11/2025 12:56:33 PM
SubDirectory	LB137132	Test	Cyanide

STD. NAME	STD REF.#
ICAL Standard	WP114690,WP114691,WP114692,WP114693,WP114694,WP114695,WP114696
ICV Standard	W3012
CCV Standard	WP114691
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP113838
Chk Standard	WP112643,WP114324,WP114698

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	0.0PPBCN	0.0PPBCN	CAL1	09/10/25 09:40		rubina	OK
2	5.0PPBCN	5.0PPBCN	CAL2	09/10/25 09:40		rubina	OK
3	10PPBCN	10PPBCN	CAL3	09/10/25 09:40		rubina	OK
4	50PPBCN	50PPBCN	CAL4	09/10/25 09:40		rubina	OK
5	100PPBCN	100PPBCN	CAL5	09/10/25 09:40		rubina	OK
6	250PPBCN	250PPBCN	CAL6	09/10/25 09:40		rubina	OK
7	500PPBCN	500PPBCN	CAL7	09/10/25 09:40		rubina	OK
8	ICV1	ICV1	ICV	09/10/25 11:25		rubina	OK
9	ICB1	ICB1	ICB	09/10/25 11:25		rubina	OK
10	CCV1	CCV1	CCV	09/10/25 11:25		rubina	OK
11	CCB1	CCB1	CCB	09/10/25 11:25		rubina	OK
12	PB169627BS	PB169627BS	LCS	09/10/25 11:25		rubina	OK
13	LOWPB169627	LOWPB169627	SAM	09/10/25 11:32		rubina	OK
14	HIGHPB169627	HIGHPB169627	SAM	09/10/25 11:32		rubina	OK
15	Q3032-01	SOIL-PILE-1	SAM	09/10/25 11:32		rubina	OK
16	Q3032-04	SOIL-PILE-2	SAM	09/10/25 11:32		rubina	OK
17	Q3032-04DUP	SOIL-PILE-2DUP	DUP	09/10/25 11:40		rubina	OK
18	Q3032-04MS	SOIL-PILE-2MS	MS	09/10/25 11:40		rubina	OK

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Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QCBatch ID # LB137132

Review By	rubina	Review On	9/11/2025 9:34:27 AM
Supervise By	Iwona	Supervise On	9/11/2025 12:56:33 PM
SubDirectory	LB137132	Test	Cyanide

STD. NAME	STD REF.#
ICAL Standard	WP114690,WP114691,WP114692,WP114693,WP114694,WP114695,WP114696
ICV Standard	W3012
CCV Standard	WP114691
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP113838
Chk Standard	WP112643,WP114324,WP114698

19	Q3032-04MSD	SOIL-PILE-2MSD	MSD	09/10/25 11:40		rubina	OK
20	CCV2	CCV2	CCV	09/10/25 11:40		rubina	OK
21	CCB2	CCB2	CCB	09/10/25 11:47		rubina	OK
22	PB169639BL	PB169639BL	MB	09/10/25 11:47		rubina	OK
23	PB169639BS	PB169639BS	LCS	09/10/25 11:47		rubina	OK
24	Q3019-23	WP0925-PT-CN-SP	SAM	09/10/25 11:48	CN Is high	rubina	Dilution
25	CCV3	CCV3	CCV	09/10/25 12:02		rubina	OK
26	CCB3	CCB3	CCB	09/10/25 12:02		rubina	OK
27	Q3019-23DL	WP0925-PT-CN-SPDI	SAM	09/10/25 12:41	5X For CN	rubina	Confirms
28	PB169627BL	PB169627BL	MB	09/10/25 13:29		rubina	OK
29	CCV4	CCV4	CCV	09/10/25 13:29		rubina	OK
30	CCB4	CCB4	CCB	09/10/25 13:30		rubina	OK

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Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QCBatch ID # LB137134

Review By	rubina	Review On	9/11/2025 9:38:09 AM
Supervise By	Iwona	Supervise On	9/11/2025 12:57:02 PM
SubDirectory	LB137134	Test	Cyanide

STD. NAME	STD REF.#
ICAL Standard	WP114690,WP114691,WP114692,WP114693,WP114694,WP114695,WP114696
ICV Standard	W3012
CCV Standard	WP114691
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP113838
Chk Standard	WP112643,WP114324,WP114698

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	0.0PPBCN	0.0PPBCN	CAL1	09/10/25 09:40		rubina	OK
2	5.0PPBCN	5.0PPBCN	CAL2	09/10/25 09:40		rubina	OK
3	10PPBCN	10PPBCN	CAL3	09/10/25 09:40		rubina	OK
4	50PPBCN	50PPBCN	CAL4	09/10/25 09:40		rubina	OK
5	100PPBCN	100PPBCN	CAL5	09/10/25 09:40		rubina	OK
6	250PPBCN	250PPBCN	CAL6	09/10/25 09:40		rubina	OK
7	500PPBCN	500PPBCN	CAL7	09/10/25 09:40		rubina	OK
8	ICV1	ICV1	ICV	09/10/25 14:47		rubina	OK
9	ICB1	ICB1	ICB	09/10/25 14:47		rubina	OK
10	CCV1	CCV1	CCV	09/10/25 14:47		rubina	OK
11	CCB1	CCB1	CCB	09/10/25 14:47		rubina	OK
12	RL	RL	LOQ	09/10/25 14:54		rubina	OK
13	PB169630BL	PB169630BL	MB	09/10/25 14:54		rubina	OK
14	PB169630BS	PB169630BS	LCS	09/10/25 14:55		rubina	OK
15	MIDPB169630	MIDPB169630	SAM	09/10/25 14:55		rubina	OK
16	Q3019-22	WP0925-PT-CN-WP	SAM	09/10/25 14:55	CN is High	rubina	Dilution
17	Q3019-22DL	WP0925-PT-CN-WPD	SAM	09/10/25 14:55	5X For CN	rubina	Confirms
18	CCV2	CCV2	CCV	09/10/25 15:00		rubina	OK

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Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QCBatch ID # LB137134

Review By	rubina	Review On	9/11/2025 9:38:09 AM
Supervise By	lwona	Supervise On	9/11/2025 12:57:02 PM
SubDirectory	LB137134	Test	Cyanide

STD. NAME	STD REF.#
ICAL Standard	WP114690,WP114691,WP114692,WP114693,WP114694,WP114695,WP114696
ICV Standard	W3012
CCV Standard	WP114691
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP113838
Chk Standard	WP112643,WP114324,WP114698

19	CCB2	CCB2	CCB	09/10/25 15:00		rubina	OK

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Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QCBatch ID # LB137135

Review By	rubina	Review On	9/11/2025 9:37:14 AM
Supervise By	Iwona	Supervise On	9/11/2025 12:56:53 PM
SubDirectory	LB137135	Test	Cyanide

STD. NAME	STD REF.#
ICAL Standard	WP114690,WP114691,WP114692,WP114693,WP114694,WP114695,WP114696
ICV Standard	W3012
CCV Standard	WP114691
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP113838
Chk Standard	WP112643,WP114324,WP114698

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	0.0PPBCN	0.0PPBCN	CAL1	09/10/25 09:40		rubina	OK
2	5.0PPBCN	5.0PPBCN	CAL2	09/10/25 09:40		rubina	OK
3	10PPBCN	10PPBCN	CAL3	09/10/25 09:40		rubina	OK
4	50PPBCN	50PPBCN	CAL4	09/10/25 09:40		rubina	OK
5	100PPBCN	100PPBCN	CAL5	09/10/25 09:40		rubina	OK
6	250PPBCN	250PPBCN	CAL6	09/10/25 09:40		rubina	OK
7	500PPBCN	500PPBCN	CAL7	09/10/25 09:40		rubina	OK
8	ICV1	ICV1	ICV	09/10/25 14:06		rubina	OK
9	ICB1	ICB1	ICB	09/10/25 14:06		rubina	OK
10	CCV1	CCV1	CCV	09/10/25 14:06		rubina	OK
11	CCB1	CCB1	CCB	09/10/25 14:07		rubina	OK
12	PB169642BL	PB169642BL	MB	09/10/25 14:07		rubina	OK
13	PB169642BS	PB169642BS	LCS	09/10/25 14:14		rubina	OK
14	Q3019-24	WP0925-PT-CN-SP	SAM	09/10/25 14:14	CN Is high	rubina	Dilution
15	Q3019-24DL	WP0925-PT-CN-SPDI	SAM	09/10/25 14:14	5X For CN	rubina	Confirms
16	CCV2	CCV2	CCV	09/10/25 14:14		rubina	OK
17	CCB2	CCB2	CCB	09/10/25 14:14		rubina	OK

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Instrument ID: TITRAMETRIC

Daily Analysis Runlog For Sequence/QCBatch ID # LB137136

Review By	rubina	Review On	9/11/2025 9:50:13 AM
Supervise By	Iwona	Supervise On	9/11/2025 10:35:07 AM
SubDirectory	LB137136	Test	Sulfide

STD. NAME	STD REF.#
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	W3105,W3213,W3149

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	PB169542BL	PB169542BL	MB	09/10/25 12:00		rubina	OK
2	PB169542BS	PB169542BS	LCS	09/10/25 12:03		rubina	OK
3	Q2893-09	MDL-WATER-03-QT3	SAM	09/10/25 12:06		rubina	OK
4	Q3019-29	WP0925-PT-S2-WP	SAM	09/10/25 12:09		rubina	OK
5	Q3025-01	DSN002	SAM	09/10/25 12:12		rubina	OK
6	Q3025-01DUP	DSN002DUP	DUP	09/10/25 12:15		rubina	OK
7	Q3025-01MS	DSN002MS	MS	09/10/25 12:18		rubina	OK
8	Q3025-01MSD	DSN002MSD	MSD	09/10/25 12:21		rubina	OK
9	Q3025-03	DSN001	SAM	09/10/25 12:24		rubina	OK
10	Q3025-05	DSN003	SAM	09/10/25 12:27		rubina	OK

Alliance TECHNICAL GROUP
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Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB137137

Review By	Iwona	Review On	9/11/2025 4:03:52 PM
Supervise By	JIGNESH	Supervise On	9/11/2025 4:19:34 PM
SubDirectory	LB137137	Test	Residual Chlorine

STD. NAME	STD REF.#
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	WP114710,WP114709,WP114704,WP114705,WP114707,WP114703,WP114708,WP114706,W3147

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	09/10/25 10:45		Iwona	OK
2	CAL2	CAL2	CAL	09/10/25 10:48		Iwona	OK
3	CAL3	CAL3	CAL	09/10/25 10:51		Iwona	OK
4	CAL4	CAL4	CAL	09/10/25 10:53		Iwona	OK
5	CAL5	CAL5	CAL	09/10/25 10:56		Iwona	OK
6	CAL6	CAL6	CAL	09/10/25 11:00		Iwona	OK
7	ICV	ICV	ICV	09/10/25 11:03		Iwona	OK
8	ICB	ICB	ICB	09/10/25 11:06		Iwona	OK
9	CCV1	CCV1	CCV	09/10/25 11:09		Iwona	OK
10	CCB1	CCB1	CCB	09/10/25 11:12		Iwona	OK
11	LB137137BL	LB137137BL	MB	09/10/25 11:15		Iwona	OK
12	LB137137BS	LB137137BS	LCS	09/10/25 11:18		Iwona	OK
13	Q2893-09	MDL-WATER-03-QT3	SAM	09/10/25 11:21		Iwona	OK
14	Q3019-19	WP0925-PT-CL-WP	SAM	09/10/25 11:24		Iwona	OK
15	Q3061-01	B2-W16-RM4080-SIN	SAM	09/10/25 11:27		Iwona	OK
16	Q3061-01DUP	B2-W16-RM4080-SIN	DUP	09/10/25 11:30		Iwona	OK
17	Q3061-01MS	B2-W16-RM4080-SIN	MS	09/10/25 11:33		Iwona	OK
18	Q3061-01MSD	B2-W16-RM4080-SIN	MSD	09/10/25 11:36		Iwona	OK

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Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB137137

Review By	Iwona	Review On	9/11/2025 4:03:52 PM
Supervise By	JIGNESH	Supervise On	9/11/2025 4:19:34 PM
SubDirectory	LB137137	Test	Residual Chlorine

STD. NAME	STD REF.#
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	WP114710,WP114709,WP114704,WP114705,WP114707,WP114703,WP114708,WP114706,W3147

19	Q3061-02	B2-W16-RM4056-SIN	SAM	09/10/25 11:40		Iwona	OK
20	Q3061-03	B2-W16-RM4057-RHS	SAM	09/10/25 11:43		Iwona	OK
21	CCV2	CCV2	CCV	09/10/25 11:46		Iwona	OK
22	CCB2	CCB2	CCB	09/10/25 11:49		Iwona	OK
23	Q3061-04	B2-W16-LHDrinking F	SAM	09/10/25 11:52		Iwona	OK
24	Q3061-05	B2-W16-RM4065-Eye	SAM	09/10/25 11:55		Iwona	OK
25	Q3061-06	B2-W16-RM4088-SIN	SAM	09/10/25 11:58		Iwona	OK
26	Q3061-07	B2-W16-RM4075-SIN	SAM	09/10/25 12:01		Iwona	OK
27	CCV3	CCV3	CCV	09/10/25 12:04		Iwona	OK
28	CCB3	CCB3	CCB	09/10/25 12:07		Iwona	OK

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Instrument ID: TITRAMETRIC

Daily Analysis Runlog For Sequence/QCBatch ID # LB137146

Review By	rubina	Review On	9/11/2025 9:50:48 AM
Supervise By	Iwona	Supervise On	9/11/2025 10:34:26 AM
SubDirectory	LB137146	Test	Sulfide

STD. NAME	STD REF.#
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	W3105,W3213,W3149

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	PB169543BL	PB169543BL	MB	09/10/25 12:40		rubina	OK
2	PB169543BS	PB169543BS	LCS	09/10/25 12:43		rubina	OK
3	Q2893-12	MDL-WATER-06-QT3	SAM	09/10/25 12:46		rubina	OK
4	Q3019-28	WP0925-PT-S2-WP	SAM	09/10/25 12:49		rubina	OK

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Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QCBatch ID # LB137152

Review By	rubina	Review On	9/12/2025 10:03:53 AM
Supervise By	Iwona	Supervise On	9/12/2025 2:27:47 PM
SubDirectory	LB137152	Test	Nitrite

STD. NAME	STD REF.#
ICAL Standard	WP114728
ICV Standard	WP114730
CCV Standard	WP114729
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP114730
Chk Standard	WP114331

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	0.0000PPM	0.0000PPM	CAL1	09/11/25 11:05		rubina	OK
2	0.012PPM	0.012PPM	CAL2	09/11/25 11:05		rubina	OK
3	0.024PPM	0.024PPM	CAL3	09/11/25 11:05		rubina	OK
4	0.060PPM	0.060PPM	CAL4	09/11/25 11:05		rubina	OK
5	0.12PPM	0.12PPM	CAL5	09/11/25 11:05		rubina	OK
6	0.30PPM	0.30PPM	CAL6	09/11/25 11:05		rubina	OK
7	0.60PPM	0.60PPM	CAL7	09/11/25 11:05		rubina	OK
8	ICV1	ICV1	ICV	09/11/25 12:13		rubina	OK
9	ICB1	ICB1	ICB	09/11/25 12:13		rubina	OK
10	CCV1	CCV1	CCV	09/11/25 12:13		rubina	OK
11	CCB1	CCB1	CCB	09/11/25 12:13		rubina	OK
12	RL	RL	LOQ	09/11/25 12:13		rubina	OK
13	LB137152BLW	LB137152BLW	MB	09/11/25 12:16		rubina	OK
14	LB137152BSW	LB137152BSW	LCS	09/11/25 12:16		rubina	OK
15	Q3019-14	WP0925-PT-NUT3-W	SAM	09/11/25 12:16	nitrite is high need dilution	rubina	Dilution
16	CCV2	CCV2	CCV	09/11/25 12:16		rubina	OK
17	CCB2	CCB2	CCB	09/11/25 12:17		rubina	OK
18	Q3019-14DL	WP0925-PT-NUT3-W	SAM	09/11/25 12:40	5X For nitrite	rubina	Confirms

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Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QCBatch ID # LB137152

Review By	rubina	Review On	9/12/2025 10:03:53 AM
Supervise By	lwona	Supervise On	9/12/2025 2:27:47 PM
SubDirectory	LB137152	Test	Nitrite

STD. NAME	STD REF.#
ICAL Standard	WP114728
ICV Standard	WP114730
CCV Standard	WP114729
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP114730
Chk Standard	WP114331

19	CCV3	CCV3	CCV	09/11/25 12:40		rubina	OK
20	CCB3	CCB3	CCB	09/11/25 12:40		rubina	OK

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Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QCBatch ID # LB137157

Review By	rubina	Review On	9/12/2025 10:06:49 AM
Supervise By	Iwona	Supervise On	9/12/2025 2:28:01 PM
SubDirectory	LB137157	Test	Phenolics

STD. NAME	STD REF.#
ICAL Standard	WP114733
ICV Standard	WP114735
CCV Standard	WP114734
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP114670
Chk Standard	WP112609,WP112610,WP114736

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	0.00PPM	0.00PPM	CAL1	09/11/25 13:38		rubina	OK
2	0.05PPM	0.05PPM	CAL2	09/11/25 13:38		rubina	OK
3	0.1PPM	0.1PPM	CAL3	09/11/25 13:38		rubina	OK
4	0.25PPM	0.25PPM	CAL4	09/11/25 13:38		rubina	OK
5	0.50PPM	0.50PPM	CAL5	09/11/25 13:38		rubina	OK
6	1.0PPM	1.0PPM	CAL6	09/11/25 13:38		rubina	OK
7	2.0PPM	2.0PPM	CAL7	09/11/25 13:39		rubina	OK
8	ICV1	ICV1	ICV	09/11/25 14:07		rubina	OK
9	ICB1	ICB1	ICB	09/11/25 14:07		rubina	OK
10	CCV1	CCV1	CCV	09/11/25 14:07		rubina	OK
11	CCB1	CCB1	CCB	09/11/25 14:07		rubina	OK
12	PB169625BL	PB169625BL	MB	09/11/25 14:07		rubina	OK
13	PB169625BS	PB169625BS	LCS	09/11/25 14:07		rubina	OK
14	Q3019-26	WP0925-PT-PHEN-W	SAM	09/11/25 14:14		rubina	OK
15	CCV2	CCV2	CCV	09/11/25 14:14		rubina	OK
16	CCB2	CCB2	CCB	09/11/25 14:14		rubina	OK

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Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QCBatch ID # LB137160

Review By	rubina	Review On	9/12/2025 10:04:46 AM
Supervise By	Iwona	Supervise On	9/12/2025 2:27:54 PM
SubDirectory	LB137160	Test	Phenolics

STD. NAME	STD REF.#
ICAL Standard	WP114733
ICV Standard	WP114735
CCV Standard	WP114734
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP114670
Chk Standard	WP112609,WP112610,WP114736

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	0.00PPM	0.00PPM	CAL1	09/11/25 13:38		rubina	OK
2	0.05PPM	0.05PPM	CAL2	09/11/25 13:38		rubina	OK
3	0.1PPM	0.1PPM	CAL3	09/11/25 13:38		rubina	OK
4	0.25PPM	0.25PPM	CAL4	09/11/25 13:38		rubina	OK
5	0.50PPM	0.50PPM	CAL5	09/11/25 13:38		rubina	OK
6	1.0PPM	1.0PPM	CAL6	09/11/25 13:38		rubina	OK
7	2.0PPM	2.0PPM	CAL7	09/11/25 13:39		rubina	OK
8	ICV1	ICV1	ICV	09/11/25 14:50		rubina	OK
9	ICB1	ICB1	ICB	09/11/25 14:50		rubina	OK
10	CCV1	CCV1	CCV	09/11/25 14:50		rubina	OK
11	CCB1	CCB1	CCB	09/11/25 14:50		rubina	OK
12	PB169624BL	PB169624BL	MB	09/11/25 14:50		rubina	OK
13	PB169624BS	PB169624BS	LCS	09/11/25 14:50		rubina	OK
14	Q3019-25	WP0925-PT-PHEN-W	SAM	09/11/25 14:57		rubina	OK
15	CCV2	CCV2	CCV	09/11/25 14:57		rubina	OK
16	CCB2	CCB2	CCB	09/11/25 14:57		rubina	OK

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Instrument ID: IC-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB137171

Review By	rubina	Review On	9/16/2025 8:22:12 AM
Supervise By	Iwona	Supervise On	9/16/2025 9:27:21 AM
SubDirectory	LB137171	Test	Anions

STD. NAME	STD REF.#
ICAL Standard	WP114677,WP114678,WP114679,WP114680,WP114681,WP114682,WP114683
ICV Standard	WP114684
CCV Standard	WP114737
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP114738
Chk Standard	WP114685,WP114686

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	STD1	STD1	CAL1	09/09/25 10:21	All standards, samples, and	RM/IZ	OK
2	STD2	STD2	CAL2	09/09/25 10:42	QC are filtered through	RM/IZ	OK
3	STD3	STD3	CAL3	09/09/25 11:25	0.45um, filter lot W3160	RM/IZ	OK
4	STD4	STD4	CAL4	09/09/25 11:47		RM/IZ	OK
5	STD5	STD5	CAL5	09/09/25 13:36		RM/IZ	OK
6	STD6	STD6	CAL6	09/09/25 13:58		RM/IZ	OK
7	STD7	STD7	CAL7	09/09/25 14:41		RM/IZ	OK
8	ICV1	ICV1	ICV	09/09/25 15:02		RM/IZ	OK
9	ICB1	ICB1	ICB	09/09/25 15:45		RM/IZ	OK
10	CCV1	CCV1	CCV	09/11/25 10:23		RM/IZ	OK
11	CCB1	CCB1	CCB	09/11/25 10:45		RM/IZ	OK
12	LB137171BLW	LB137171BLW	MB	09/11/25 11:06		RM/IZ	OK
13	LB137171BSW	LB137171BSW	LCS	09/11/25 11:28		RM/IZ	OK
14	Q3019-05	WP0925-PT-MIN1-WP	SAM	09/11/25 11:49	Cl, SO2-4 is high need dilution	RM/IZ	Dilution
15	Q3019-11	WP0925-PT-NUT1-W	SAM	09/11/25 12:33	NO3 Is high	RM/IZ	Dilution
16	Q3019-15	WP0925-PT-NUT3-W	SAM	09/11/25 12:54		RM/IZ	OK
17	Q3019-05DL	WP0925-PT-MIN1-WP	SAM	09/11/25 13:16	10X For SO2-4, But Cl is still high	RM/IZ	Dilution
18	Q3019-05DL2	WP0925-PT-MIN1-WP	SAM	09/11/25 13:37	50X For Cl,SO2-4	RM/IZ	Confirms

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Instrument ID: IC-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB137171

Review By	rubina	Review On	9/16/2025 8:22:12 AM
Supervise By	Iwona	Supervise On	9/16/2025 9:27:21 AM
SubDirectory	LB137171	Test	Anions

STD. NAME	STD REF.#
ICAL Standard	WP114677,WP114678,WP114679,WP114680,WP114681,WP114682,WP114683
ICV Standard	WP114684
CCV Standard	WP114737
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP114738
Chk Standard	WP114685,WP114686

19	Q3019-11DL	WP0925-PT-NUT1-W	SAM	09/11/25 13:59	2X For NO3	RM/IZ	Confirms
20	CCV2	CCV2	CCV	09/11/25 14:20		RM/IZ	OK
21	CCB2	CCB2	CCB	09/11/25 14:42		RM/IZ	OK

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Instrument ID: IC-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB137172

Review By	rubina	Review On	9/16/2025 8:22:27 AM
Supervise By	Iwona	Supervise On	9/16/2025 9:27:29 AM
SubDirectory	LB137172	Test	Anions

STD. NAME	STD REF.#
ICAL Standard	WP114677,WP114678,WP114679,WP114680,WP114681,WP114682,WP114683
ICV Standard	WP114684
CCV Standard	WP114737
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP114738
Chk Standard	WP114685,WP114686

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	STD1	STD1	CAL1	09/09/25 10:21	All standards, samples, and	RM/IZ	OK
2	STD2	STD2	CAL2	09/09/25 10:42	QC are filtered through	RM/IZ	OK
3	STD3	STD3	CAL3	09/09/25 11:25	0.45um, filter lot W3160	RM/IZ	OK
4	STD4	STD4	CAL4	09/09/25 11:47		RM/IZ	OK
5	STD5	STD5	CAL5	09/09/25 13:36		RM/IZ	OK
6	STD6	STD6	CAL6	09/09/25 13:58		RM/IZ	OK
7	STD7	STD7	CAL7	09/09/25 14:41		RM/IZ	OK
8	ICV1	ICV1	ICV	09/09/25 15:02		RM/IZ	OK
9	ICB1	ICB1	ICB	09/09/25 15:45		RM/IZ	OK
10	CCV1	CCV1	CCV	09/11/25 10:23		RM/IZ	OK
11	CCB1	CCB1	CCB	09/11/25 10:45		RM/IZ	OK
12	LB137172BLW	LB137172BLW	MB	09/11/25 11:06		RM/IZ	OK
13	LB137172BSW	LB137172BSW	LCS	09/11/25 11:28		RM/IZ	OK
14	Q3019-06	WP0925-PT-MIN1-WP	SAM	09/11/25 11:49	CL,SO4 is high , need dilution	RM/IZ	Dilution
15	Q3019-12	WP0925-PT-NUT1-W	SAM	09/11/25 12:33	NO3 Is high, need dilution	RM/IZ	Dilution
16	Q3019-16	WP0925-PT-NUT3-W	SAM	09/11/25 12:54		RM/IZ	OK
17	Q3019-06DL	WP0925-PT-MIN1-WP	SAM	09/11/25 13:16	10X For SO4, Cl still high	RM/IZ	Dilution
18	Q3019-06DL2	WP0925-PT-MIN1-WP	SAM	09/11/25 13:37	50X For SO4 and Cl	RM/IZ	Confirms

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Instrument ID: IC-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB137172

Review By	rubina	Review On	9/16/2025 8:22:27 AM
Supervise By	lwona	Supervise On	9/16/2025 9:27:29 AM
SubDirectory	LB137172	Test	Anions

STD. NAME	STD REF.#
ICAL Standard	WP114677,WP114678,WP114679,WP114680,WP114681,WP114682,WP114683
ICV Standard	WP114684
CCV Standard	WP114737
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP114738
Chk Standard	WP114685,WP114686

19	Q3019-12DL	WP0925-PT-NUT1-W	SAM	09/11/25 13:59	2X For NO3	RM/IZ	Confirms
20	CCV2	CCV2	CCV	09/11/25 14:20		RM/IZ	OK
21	CCB2	CCB2	CCB	09/11/25 14:42		RM/IZ	OK

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Instrument ID: IMHOFF CONE

Daily Analysis Runlog For Sequence/QCBatch ID # LB137174

Review By	Iwona	Review On	9/12/2025 1:55:25 PM
Supervise By	JIGNESH	Supervise On	9/12/2025 2:12:41 PM
SubDirectory	LB137174	Test	Settleable Solids

STD. NAME	STD REF.#
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	Q3019-30	WP0925-PT-SSOL-W	SAM	09/12/25 12:15		Iwona	OK

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Instrument ID: WC CONDUCTANCE METER-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB137175

Review By	Iwona	Review On	9/12/2025 3:48:56 PM
Supervise By	JIGNESH	Supervise On	9/12/2025 3:50:48 PM
SubDirectory	LB137175	Test	Conductance

STD. NAME	STD REF.#
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	WP114749

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	LB137175BL	LB137175BL	MB	09/12/25 13:35		Iwona	OK
2	LB137175BS	LB137175BS	LCS	09/12/25 13:40		Iwona	OK
3	Q3019-07	WP0925-PT-COND-W	SAM	09/12/25 13:45		Iwona	OK
4	Q3019-07DUP	WP0925-PT-COND-W	DUP	09/12/25 13:50		Iwona	OK

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Instrument ID: WC CONDUCTANCE METER-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB137176

Review By	Iwona	Review On	9/12/2025 3:49:40 PM
Supervise By	JIGNESH	Supervise On	9/12/2025 3:51:08 PM
SubDirectory	LB137176	Test	Conductance

STD. NAME	STD REF.#
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	WP114749

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	LB137176BL	LB137176BL	MB	09/12/25 13:35		Iwona	OK
2	LB137176BS	LB137176BS	LCS	09/12/25 13:40		Iwona	OK
3	Q3019-08	WP0925-PT-COND-W	SAM	09/12/25 13:45		Iwona	OK
4	Q3019-08DUP	WP0925-PT-COND-W	DUP	09/12/25 13:50		Iwona	OK

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Instrument ID: WC CONDUCTANCE METER-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB137177

Review By	Iwona	Review On	9/12/2025 3:49:16 PM
Supervise By	JIGNESH	Supervise On	9/12/2025 3:51:21 PM
SubDirectory	LB137177	Test	Conductance

STD. NAME	STD REF.#
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	WP114749

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	LB137177BL	LB137177BL	MB	09/12/25 13:35		Iwona	OK
2	LB137177BS	LB137177BS	LCS	09/12/25 13:40		Iwona	OK
3	Q3019-09	WP0925-PT-COND-W	SAM	09/12/25 13:45		Iwona	OK
4	Q3019-09DUP	WP0925-PT-COND-W	DUP	09/12/25 13:50		Iwona	OK

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Instrument ID: NESSLER TUBES

Daily Analysis Runlog For Sequence/QCBatch ID # LB137195

Review By	Iwona	Review On	9/15/2025 4:38:05 PM
Supervise By	JIGNESH	Supervise On	9/18/2025 11:59:55 AM
SubDirectory	LB137195	Test	Color

STD. NAME	STD REF.#
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	LB137195BL	LB137195BL	MB	09/15/25 13:40		Iwona	OK
2	Q3019-27	WP0925-PT-COL-WP	SAM	09/15/25 13:45		Iwona	OK
3	Q3019-27DUP	WP0925-PT-COL-WP	DUP	09/15/25 13:50		Iwona	OK

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Instrument ID: TITRAMETRIC

Daily Analysis Runlog For Sequence/QCBatch ID # LB137196

Review By	Iwona	Review On	9/15/2025 4:38:36 PM
Supervise By	JIGNESH	Supervise On	9/18/2025 11:59:46 AM
SubDirectory	LB137196	Test	Chloride

STD. NAME	STD REF.#
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	WP114769,WP114771,WP114768,W3095

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	LB137196BL	LB137196BL	MB	09/15/25 15:30		Iwona	OK
2	LB137196BS	LB137196BS	LCS	09/15/25 15:37		Iwona	OK
3	Q3019-05	WP0925-PT-MIN1-WP	SAM	09/15/25 15:45		Iwona	OK

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Instrument ID: DO METER

Daily Analysis Runlog For Sequence/QCBatch ID # LB137208

Review By	rubina	Review On	9/22/2025 2:47:59 PM
Supervise By	Iwona	Supervise On	11/10/2025 9:25:42 AM
SubDirectory	LB137208	Test	CBOD5

STD. NAME	STD REF.#
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	WP114800,W3149,WP112832,W3103,W3109,W3105,WP114802,WP114801,WP113878

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	LB137208BL	LB137208BL	MB	09/17/25 09:30		rubina	OK
2	LB137208BS	LB137208BS	LCS	09/17/25 09:30		rubina	OK
3	LB137208BSD1	LB137208BSD1	LCS	09/17/25 09:30		rubina	OK
4	LB137208BSD2	LB137208BSD2	LCS	09/17/25 09:30		rubina	OK
5	Q3019-03	WP0925-PT-DEM-WP	SAM	09/17/25 09:30		rubina	OK
6	Q3102-01	UAS-WAYNE	SAM	09/17/25 09:30		rubina	OK
7	Q3102-01DUP	UAS-WAYNEDUP	DUP	09/17/25 09:30		rubina	OK

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Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QCBatch ID # LB137211

Review By	rubina	Review On	9/18/2025 10:30:28 AM
Supervise By	Iwona	Supervise On	9/18/2025 11:26:47 AM
SubDirectory	LB137211	Test	Ammonia

STD. NAME	STD REF.#
ICAL Standard	WP114796
ICV Standard	WP114798
CCV Standard	WP114797
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP114786
Chk Standard	WP114799,WP114133,WP113929,WP114132

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	0.0PPM	0.0PPM	CAL1	09/17/25 09:51		rubina	OK
2	0.1PPM	0.1PPM	CAL2	09/17/25 09:51		rubina	OK
3	0.2PPM	0.2PPM	CAL3	09/17/25 09:51		rubina	OK
4	0.4PPM	0.4PPM	CAL4	09/17/25 09:51		rubina	OK
5	1.0PPM	1.0PPM	CAL5	09/17/25 09:51		rubina	OK
6	1.3PPM	1.3PPM	CAL6	09/17/25 09:51		rubina	OK
7	2.0PPM	2.0PPM	CAL7	09/17/25 09:51		rubina	OK
8	ICV1	ICV1	ICV	09/17/25 10:32		rubina	OK
9	ICB1	ICB1	ICB	09/17/25 10:32		rubina	OK
10	CCV1	CCV1	CCV	09/17/25 10:32		rubina	OK
11	CCB1	CCB1	CCB	09/17/25 10:32		rubina	OK
12	RL	RL	LOQ	09/17/25 10:32		rubina	OK
13	PB169716BL	PB169716BL	MB	09/17/25 10:42		rubina	OK
14	PB169716BS	PB169716BS	LCS	09/17/25 10:42		rubina	OK
15	Q3019-11	WP0925-PT-NUT1-W	SAM	09/17/25 10:43	NH3 is high	rubina	Dilution
16	CCV2	CCV2	CCV	09/17/25 10:43		rubina	OK
17	CCB2	CCB2	CCB	09/17/25 10:47		rubina	OK
18	Q3019-11DL	WP0925-PT-NUT1-W	SAM	09/17/25 11:10	10X For NH3	rubina	Confirms

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Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QCBatch ID # LB137211

Review By	rubina	Review On	9/18/2025 10:30:28 AM
Supervise By	lwona	Supervise On	9/18/2025 11:26:47 AM
SubDirectory	LB137211	Test	Ammonia

STD. NAME	STD REF.#
ICAL Standard	WP114796
ICV Standard	WP114798
CCV Standard	WP114797
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP114786
Chk Standard	WP114799,WP114133,WP113929,WP114132

19	CCV3	CCV3	CCV	09/17/25 11:10		rubina	OK
20	CCB3	CCB3	CCB	09/17/25 11:10		rubina	OK

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Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QCBatch ID # LB137214

Review By	rubina	Review On	9/18/2025 10:32:06 AM
Supervise By	Iwona	Supervise On	9/18/2025 11:26:53 AM
SubDirectory	LB137214	Test	TKN

STD. NAME	STD REF.#
ICAL Standard	WP114787
ICV Standard	WP114789
CCV Standard	WP114788
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP114790
Chk Standard	WP114799,WP114133,WP113929,WP114132,WP114791

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	0.0PPM	0.0PPM	CAL1	09/17/25 11:42		rubina	OK
2	0.5PPM	0.5PPM	CAL2	09/17/25 11:42		rubina	OK
3	1.0PPM	1.0PPM	CAL3	09/17/25 11:42		rubina	OK
4	2.5PPM	2.5PPM	CAL4	09/17/25 11:42		rubina	OK
5	5.0PPM	5.0PPM	CAL5	09/17/25 11:42		rubina	OK
6	6.7PPM	6.7PPM	CAL6	09/17/25 11:42		rubina	OK
7	10.0PPM	10.0PPM	CAL7	09/17/25 11:42		rubina	OK
8	ICV1	ICV1	ICV	09/17/25 12:27		rubina	OK
9	ICB1	ICB1	ICB	09/17/25 12:27		rubina	OK
10	CCV1	CCV1	CCV	09/17/25 12:27		rubina	OK
11	CCB1	CCB1	CCB	09/17/25 12:27		rubina	OK
12	RL	RL	LOQ	09/17/25 12:27		rubina	OK
13	PB169715BL	PB169715BL	MB	09/17/25 12:38		rubina	OK
14	PB169715BS	PB169715BS	LCS	09/17/25 12:38		rubina	OK
15	Q2893-09	MDL-WATER-03-QT3	SAM	09/17/25 12:38		rubina	OK
16	Q3019-13	WP0925-PT-NUT2-W	SAM	09/17/25 12:38		rubina	OK
17	PB169714BL	PB169714BL	MB	09/17/25 12:49		rubina	OK
18	PB169714BS	PB169714BS	LCS	09/17/25 12:49		rubina	OK

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Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QCBatch ID # LB137214

Review By	rubina	Review On	9/18/2025 10:32:06 AM
Supervise By	lwona	Supervise On	9/18/2025 11:26:53 AM
SubDirectory	LB137214	Test	TKN

STD. NAME	STD REF.#
ICAL Standard	WP114787
ICV Standard	WP114789
CCV Standard	WP114788
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP114790
Chk Standard	WP114799,WP114133,WP113929,WP114132,WP114791

19	Q2893-03	MDL-SOIL-03-QT3-20	SAM	09/17/25 12:49		rubina	OK
20	CCV2	CCV2	CCV	09/17/25 12:54		rubina	OK
21	CCB2	CCB2	CCB	09/17/25 12:55		rubina	OK

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Instrument ID: DO METER

Daily Analysis Runlog For Sequence/QCBatch ID # LB137215

Review By	rubina	Review On	9/22/2025 2:48:30 PM
Supervise By	Iwona	Supervise On	10/7/2025 2:51:22 PM
SubDirectory	LB137215	Test	BOD5

STD. NAME	STD REF.#
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	WP114800,W3149,WP112832,W3103,W3109,W3105,WP114802,WP114801,WP113878

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	LB137215BL	LB137215BL	MB	09/17/25 10:15		rubina	OK
2	LB137215BS	LB137215BS	LCS	09/17/25 10:15		rubina	OK
3	Q3019-03	WP0925-PT-DEM-WP	SAM	09/17/25 10:15		rubina	OK
4	Q3103-01	TW-WTS-14	SAM	09/17/25 10:15		rubina	OK
5	Q3103-01DUP	TW-WTS-14DUP	DUP	09/17/25 10:15		rubina	OK

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Instrument ID: WC PH METER-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB137223

Review By	gorge	Review On	9/24/2025 1:28:54 PM
Supervise By	Iwona	Supervise On	9/24/2025 1:41:31 PM
SubDirectory	LB137223	Test	pH

STD. NAME	STD REF.#
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	W3178,W3217,W3191,W3093

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	09/18/25 10:05		gorge	OK
2	CAL2	CAL2	CAL	09/18/25 10:10		gorge	OK
3	CAL3	CAL3	CAL	09/18/25 10:15		gorge	OK
4	ICV	ICV	ICV	09/18/25 10:20		gorge	OK
5	CCV1	CCV1	CCV	09/18/25 10:25		gorge	OK
6	Q3019-21	WP0925-PT-PH-WP	SAM	09/18/25 10:35		gorge	OK
7	Q3019-21DUP	WP0925-PT-PH-WPD	DUP	09/18/25 10:40		gorge	OK
8	CCV2	CCV2	CCV	09/18/25 10:45		gorge	OK

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Instrument ID: WC PH METER-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB137224

Review By	gorge	Review On	9/24/2025 1:29:29 PM
Supervise By	Iwona	Supervise On	9/24/2025 1:41:59 PM
SubDirectory	LB137224	Test	pH

STD. NAME	STD REF.#
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	W3178,W3217,W3191,W3093

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	09/18/25 10:05		gorge	OK
2	CAL2	CAL2	CAL	09/18/25 10:10		gorge	OK
3	CAL3	CAL3	CAL	09/18/25 10:15		gorge	OK
4	ICV	ICV	ICV	09/18/25 10:20		gorge	OK
5	CCV1	CCV1	CCV	09/18/25 10:25		gorge	OK
6	Q3019-20	WP0925-PT-PH-WP	SAM	09/18/25 10:35		gorge	OK
7	Q3019-20DUP	WP0925-PT-PH-WPD	DUP	09/18/25 10:40		gorge	OK
8	CCV2	CCV2	CCV	09/18/25 10:45		gorge	OK

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Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB137233

Review By	rubina	Review On	9/22/2025 12:19:24 PM
Supervise By	Iwona	Supervise On	9/22/2025 12:27:56 PM
SubDirectory	LB137233	Test	Hexavalent Chromium

STD. NAME	STD REF.#
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	WP114809,WP114808,WP114806,WP114805,WP114755,WP114341,WP114807,WP114812,WP114810,WP114811

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	09/18/25 17:15		rubina	OK
2	CAL2	CAL2	CAL	09/18/25 17:15		rubina	OK
3	CAL3	CAL3	CAL	09/18/25 17:16		rubina	OK
4	CAL4	CAL4	CAL	09/18/25 17:16		rubina	OK
5	CAL5	CAL5	CAL	09/18/25 17:17		rubina	OK
6	CAL6	CAL6	CAL	09/18/25 17:17		rubina	OK
7	CAL7	CAL7	CAL	09/18/25 17:18		rubina	OK
8	ICV	ICV	ICV	09/18/25 17:18		rubina	OK
9	ICB	ICB	ICB	09/18/25 17:19		rubina	OK
10	CCV1	CCV1	CCV	09/18/25 17:19		rubina	OK
11	CCB1	CCB1	CCB	09/18/25 17:20		rubina	OK
12	RL Check	RL Check	RL	09/18/25 17:20		rubina	OK
13	LB137233BL	LB137233BL	MB	09/18/25 17:21		rubina	OK
14	LB137233BS	LB137233BS	LCS	09/18/25 17:21		rubina	OK
15	Q3019-02	WP0925-PT-CR6-WP	SAM	09/18/25 17:22		rubina	OK
16	Q3135-01	MH-121	SAM	09/18/25 17:22		rubina	OK
17	Q3135-01DUP	MH-121DUP	DUP	09/18/25 17:23		rubina	OK
18	Q3135-01MS	MH-121MS	MS	09/18/25 17:23		rubina	OK

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Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB137233

Review By	rubina	Review On	9/22/2025 12:19:24 PM
Supervise By	Iwona	Supervise On	9/22/2025 12:27:56 PM
SubDirectory	LB137233	Test	Hexavalent Chromium

STD. NAME	STD REF.#
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	WP114809,WP114808,WP114806,WP114805,WP114755,WP114341,WP114807,WP114812,WP114810,WP114811

19	Q3135-01MSD	MH-121MSD	MSD	09/18/25 17:24		rubina	OK
20	CCV2	CCV2	CCV	09/18/25 17:24		rubina	OK
21	CCB2	CCB2	CCB	09/18/25 17:25		rubina	OK

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Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB137249

Review By	rubina	Review On	9/22/2025 12:24:42 PM
Supervise By	Iwona	Supervise On	9/22/2025 12:27:35 PM
SubDirectory	LB137249	Test	Hexavalent Chromium

STD. NAME	STD REF.#
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	WP114832,WP114831,WP114829,WP114828,WP114755,WP112831,WP114830,WP114835,WP114833,WP114834

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	09/19/25 15:10		rubina	OK
2	CAL2	CAL2	CAL	09/19/25 15:10		rubina	OK
3	CAL3	CAL3	CAL	09/19/25 15:11		rubina	OK
4	CAL4	CAL4	CAL	09/19/25 15:11		rubina	OK
5	CAL5	CAL5	CAL	09/19/25 15:12		rubina	OK
6	CAL6	CAL6	CAL	09/19/25 15:12		rubina	OK
7	CAL7	CAL7	CAL	09/19/25 15:13		rubina	OK
8	ICV	ICV	ICV	09/19/25 15:13		rubina	OK
9	ICB	ICB	ICB	09/19/25 15:14		rubina	OK
10	CCV1	CCV1	CCV	09/19/25 15:14		rubina	OK
11	CCB1	CCB1	CCB	09/19/25 15:15		rubina	OK
12	RL Check	RL Check	RL	09/19/25 15:15		rubina	OK
13	LB137249BL	LB137249BL	MB	09/19/25 15:16		rubina	OK
14	LB137249BS	LB137249BS	LCS	09/19/25 15:16		rubina	OK
15	Q3019-01	WP0925-PT-CR6-WP	SAM	09/19/25 15:17		rubina	OK
16	Q3151-02	1402	SAM	09/19/25 15:17		rubina	OK
17	Q3151-02DUP	1402DUP	DUP	09/19/25 15:18		rubina	OK
18	Q3151-02MS	1402MS	MS	09/19/25 15:18		rubina	OK

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Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB137249

Review By	rubina	Review On	9/22/2025 12:24:42 PM
Supervise By	Iwona	Supervise On	9/22/2025 12:27:35 PM
SubDirectory	LB137249	Test	Hexavalent Chromium

STD. NAME	STD REF.#
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	WP114832,WP114831,WP114829,WP114828,WP114755,WP112831,WP114830,WP114835,WP114833,WP114834

19	Q3151-02MSD	1402MSD	MSD	09/19/25 15:19		rubina	OK
20	CCV2	CCV2	CCV	09/19/25 15:19		rubina	OK
21	CCB2	CCB2	CCB	09/19/25 15:20		rubina	OK

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Instrument ID: SPECTROPHOTOMETER-2

Daily Analysis Runlog For Sequence/QCBatch ID # LB137264

Review By	lwona	Review On	11/10/2025 9:27:15 AM
Supervise By	jignesh	Supervise On	11/10/2025 9:30:07 AM
SubDirectory	LB137264	Test	COD

STD. NAME	STD REF.#
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	WP114659,WP114658,WP114656,WP114655,WP114654,WP114661,WP114657,W3229,WP114846,WP114847,WP1

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	09/08/25 13:30		lwona	OK
2	CAL2	CAL2	CAL	09/08/25 13:30		lwona	OK
3	CAL3	CAL3	CAL	09/08/25 13:31		lwona	OK
4	CAL4	CAL4	CAL	09/08/25 13:31		lwona	OK
5	CAL5	CAL5	CAL	09/08/25 13:32		lwona	OK
6	CAL6	CAL6	CAL	09/08/25 13:32		lwona	OK
7	ICV	ICV	ICV	09/08/25 13:33		lwona	OK
8	ICB	ICB	ICB	09/08/25 13:33		lwona	OK
9	CCV1	CCV1	CCV	09/22/25 14:25		lwona	OK
10	CCB1	CCB1	CCB	09/22/25 14:25		lwona	OK
11	RL Check	RL Check	RL	09/22/25 14:26		lwona	OK
12	LB137264BL	LB137264BL	MB	09/22/25 14:26		lwona	OK
13	LB137264BS	LB137264BS	LCS	09/22/25 14:27		lwona	OK
14	Q3019-03	WP0925-PT-DEM-WP	SAM	09/22/25 14:27		lwona	OK
15	Q3093-01	MH-9-12-25	SAM	09/22/25 14:28		lwona	OK
16	Q3102-01	UAS-WAYNE	SAM	09/22/25 14:28		lwona	OK
17	Q3135-01	MH-121	SAM	09/22/25 14:29		lwona	OK
18	Q3151-02	1402	SAM	09/22/25 14:29		lwona	OK

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Daily Analysis Runlog For Sequence/QCBatch ID # LB137264

Review By	lwona	Review On	11/10/2025 9:27:15 AM
Supervise By	jignesh	Supervise On	11/10/2025 9:30:07 AM
SubDirectory	LB137264	Test	COD

STD. NAME	STD REF.#
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	WP114659,WP114658,WP114656,WP114655,WP114654,WP114661,WP114657,W3229,WP114846,WP114847,WP1

19	Q3151-02DUP	1402DUP	DUP	09/22/25 14:30		lwona	OK
20	Q3151-02MS	1402MS	MS	09/22/25 14:30		lwona	OK
21	Q3151-02MSD	1402MSD	MSD	09/22/25 14:31		lwona	OK
22	CCV2	CCV2	CCV	09/22/25 14:31		lwona	OK
23	CCB2	CCB2	CCB	09/22/25 14:32		lwona	OK

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Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB137319

Review By	Iwona	Review On	9/26/2025 11:51:48 AM
Supervise By	JIGNESH	Supervise On	9/26/2025 12:12:51 PM
SubDirectory	LB137319	Test	Phosphorus-Ortho

STD. NAME	STD REF.#
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	WP114894,WP114893,WP114892,WP114891,WP114889,WP114888,WP114896,WP112831,WP114919,WP113378,\

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	09/25/25 12:10		Iwona	OK
2	CAL2	CAL2	CAL	09/25/25 12:10		Iwona	OK
3	CAL3	CAL3	CAL	09/25/25 12:11		Iwona	OK
4	CAL4	CAL4	CAL	09/25/25 12:11		Iwona	OK
5	CAL5	CAL5	CAL	09/25/25 12:12		Iwona	OK
6	CAL6	CAL6	CAL	09/25/25 12:12		Iwona	OK
7	ICV	ICV	ICV	09/25/25 12:13		Iwona	OK
8	ICB	ICB	ICB	09/25/25 12:13		Iwona	OK
9	CCV1	CCV1	CCV	09/25/25 12:14		Iwona	OK
10	CCB1	CCB1	CCB	09/25/25 12:14		Iwona	OK
11	RL Check	RL Check	RL	09/25/25 12:15		Iwona	OK
12	LB137319BL	LB137319BL	MB	09/25/25 12:15		Iwona	OK
13	LB137319BS	LB137319BS	LCS	09/25/25 12:16		Iwona	OK
14	Q2893-09	MDL-WATER-03-QT3	SAM	09/25/25 12:16		Iwona	OK
15	Q3019-12	WP0925-PT-NUT1-W	SAM	09/25/25 12:17		Iwona	OK
16	Q3184-01	EFFLUENT	SAM	09/25/25 12:17		Iwona	OK
17	Q3184-01DUP	EFFLUENTDUP	DUP	09/25/25 12:18		Iwona	OK
18	Q3184-01MS	EFFLUENTMS	MS	09/25/25 12:18		Iwona	OK

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Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB137319

Review By	Iwona	Review On	9/26/2025 11:51:48 AM
Supervise By	JIGNESH	Supervise On	9/26/2025 12:12:51 PM
SubDirectory	LB137319	Test	Phosphorus-Ortho

STD. NAME	STD REF.#
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	WP114894,WP114893,WP114892,WP114891,WP114889,WP114888,WP114896,WP112831,WP114919,WP113378,\

19	Q3184-01MSD	EFFLUENTMSD	MSD	09/25/25 12:19		Iwona	OK
20	Q3019-12DL	WP0925-PT-NUT1-W	SAM	09/25/25 12:19		Iwona	OK
21	CCV2	CCV2	CCV	09/25/25 12:20		Iwona	OK
22	CCB2	CCB2	CCB	09/25/25 12:20		Iwona	OK

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Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB137320

Review By	Iwona	Review On	9/26/2025 12:06:43 PM
Supervise By	JIGNESH	Supervise On	9/26/2025 12:13:18 PM
SubDirectory	LB137320	Test	Phosphorus-Total

STD. NAME	STD REF.#
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	WP114894,WP114893,WP114892,WP114891,WP114889,WP114888,WP114896,WP112831,WP114919,WP113378,\

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	09/25/25 13:30		Iwona	OK
2	CAL2	CAL2	CAL	09/25/25 13:30		Iwona	OK
3	CAL3	CAL3	CAL	09/25/25 13:31		Iwona	OK
4	CAL4	CAL4	CAL	09/25/25 13:31		Iwona	OK
5	CAL5	CAL5	CAL	09/25/25 13:32		Iwona	OK
6	CAL6	CAL6	CAL	09/25/25 13:32		Iwona	OK
7	ICV	ICV	ICV	09/25/25 13:33		Iwona	OK
8	ICB	ICB	ICB	09/25/25 13:33		Iwona	OK
9	CCV1	CCV1	CCV	09/25/25 13:34		Iwona	OK
10	CCB1	CCB1	CCB	09/25/25 13:34		Iwona	OK
11	RL Check	RL Check	RL	09/25/25 13:35		Iwona	OK
12	PB169837BL	PB169837BL	MB	09/25/25 13:35		Iwona	OK
13	PB169837BS	PB169837BS	LCS	09/25/25 13:36		Iwona	OK
14	Q2893-09	MDL-WATER-03-QT3	SAM	09/25/25 13:36		Iwona	OK
15	Q3019-13	WP0925-PT-NUT2-W	SAM	09/25/25 13:37		Iwona	OK
16	Q3184-01	EFFLUENT	SAM	09/25/25 13:37		Iwona	OK
17	Q3184-01DUP	EFFLUENTDUP	DUP	09/25/25 13:38		Iwona	OK
18	Q3184-01MS	EFFLUENTMS	MS	09/25/25 13:38		Iwona	OK

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Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB137320

Review By	Iwona	Review On	9/26/2025 12:06:43 PM
Supervise By	JIGNESH	Supervise On	9/26/2025 12:13:18 PM
SubDirectory	LB137320	Test	Phosphorus-Total

STD. NAME	STD REF.#
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	WP114894,WP114893,WP114892,WP114891,WP114889,WP114888,WP114896,WP112831,WP114919,WP113378,\

19	Q3184-01MSD	EFFLUENTMSD	MSD	09/25/25 13:39		Iwona	OK
20	Q3019-13DL	WP0925-PT-NUT2-W	SAM	09/25/25 13:39		Iwona	OK
21	CCV2	CCV2	CCV	09/25/25 13:40		Iwona	OK
22	CCB2	CCB2	CCB	09/25/25 13:40		Iwona	OK

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Instrument ID: TITRATOR

Daily Analysis Runlog For Sequence/QCBatch ID # LB137431

Review By	rubina	Review On	10/7/2025 9:30:58 AM
Supervise By	Iwona	Supervise On	10/7/2025 12:58:20 PM
SubDirectory	LB137431	Test	Alkalinity

STD. NAME	STD REF.#
ICAL Standard	N/A
ICV Standard	N/A
CCV Standard	N/A
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP115070
Chk Standard	W3150,W3178,W3217

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	LB137431BLW	LB137431BLW	MB	10/06/25 12:15	pH=4.56	Iwona	OK
2	LB137431BSW	LB137431BSW	LCS	10/06/25 12:19	pH=4.40	Iwona	OK
3	Q3019-05	WP0925-PT-MIN1-WP	SAM	10/06/25 12:24	pH=4.38	Iwona	OK
4	Q3202-01	SY-6	SAM	10/06/25 12:30	pH=4.35	Iwona	OK
5	Q3202-01DUP	SY-6DUP	DUP	10/06/25 12:34	pH=4.33	Iwona	OK
6	Q3202-03	SY-2R	SAM	10/06/25 12:37	pH=4.36	Iwona	OK
7	Q3202-05	SY-2D	SAM	10/06/25 12:42	pH=4.28	Iwona	OK
8	Q3202-07	SY-5	SAM	10/06/25 12:46	pH=4.35	Iwona	OK
9	Q3202-09	SY-3DD	SAM	10/06/25 12:50	Need lower Alkalinity	Iwona	Not Ok
10	Q3202-11	SY-3D	SAM	10/06/25 12:55	pH=4.43	Iwona	OK
11	Q3202-17	SY-3	SAM	10/06/25 12:59	pH=4.41	Iwona	OK
12	Q3254-01	MW-1	SAM	10/06/25 13:04	pH=4.25	Iwona	OK
13	Q3254-03	MW-2	SAM	10/06/25 13:10	pH=4.44	Iwona	OK
14	Q3254-05	MW-3	SAM	10/06/25 13:14	pH=4.22	Iwona	OK
15	Q3254-07	MW-4	SAM	10/06/25 13:20	pH=4.48	Iwona	OK

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Instrument ID: WC TURBIDIMETER-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB137443

Review By	rubina	Review On	10/7/2025 4:14:34 PM
Supervise By	Iwona	Supervise On	10/7/2025 4:14:53 PM
SubDirectory	LB137443	Test	Sulfate

STD. NAME	STD REF.#
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	WP115082,WP112974,WP115084,WP115076,WP115078,WP115073,WP115075,WP115077,WP115079,WP115081,V

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	10/07/25 12:00		rubina	OK
2	CAL2	CAL2	CAL	10/07/25 12:03		rubina	OK
3	CAL3	CAL3	CAL	10/07/25 12:06		rubina	OK
4	CAL4	CAL4	CAL	10/07/25 12:09		rubina	OK
5	CAL5	CAL5	CAL	10/07/25 12:12		rubina	OK
6	CAL6	CAL6	CAL	10/07/25 12:15		rubina	OK
7	CAL7	CAL7	CAL	10/07/25 12:18		rubina	OK
8	CAL8	CAL8	CAL	10/07/25 12:21		rubina	OK
9	CAL9	CAL9	CAL	10/07/25 12:24		rubina	OK
10	ICV	ICV	ICV	10/07/25 12:27		rubina	OK
11	ICB	ICB	ICB	10/07/25 12:30		rubina	OK
12	CCV1	CCV1	CCV	10/07/25 12:33		rubina	OK
13	CCB1	CCB1	CCB	10/07/25 12:36		rubina	OK
14	LB137443BL	LB137443BL	MB	10/07/25 12:39		rubina	OK
15	LB137443BS	LB137443BS	LCS	10/07/25 12:42		rubina	OK
16	Q3019-05	WP0925-PT-MIN1-WP	SAM	10/07/25 12:45		rubina	OK
17	Q3019-05	WP0925-PT-MIN1-WP	SAM	10/07/25 12:48		rubina	OK
18	CCV2	CCV2	CCV	10/07/25 12:51		rubina	OK

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Daily Analysis Runlog For Sequence/QCBatch ID # LB137443

Review By	rubina	Review On	10/7/2025 4:14:34 PM
Supervise By	lwona	Supervise On	10/7/2025 4:14:53 PM
SubDirectory	LB137443	Test	Sulfate

STD. NAME	STD REF.#
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	WP115082,WP112974,WP115084,WP115076,WP115078,WP115073,WP115075,WP115077,WP115079,WP115081,\

19	CCB2	CCB2	CCB	10/07/25 12:54		rubina	OK

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Instrument ID: WC TURBIDIMETER-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB137444

Review By	rubina	Review On	10/7/2025 4:14:30 PM
Supervise By	Iwona	Supervise On	10/7/2025 4:14:40 PM
SubDirectory	LB137444	Test	Sulfate

STD. NAME	STD REF.#
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	WP115082,WP114571,WP115084,WP115076,WP115078,WP115073,WP115075,WP115077,WP115079,WP115081,\

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	10/07/25 11:00		rubina	OK
2	CAL2	CAL2	CAL	10/07/25 11:03		rubina	OK
3	CAL3	CAL3	CAL	10/07/25 11:06		rubina	OK
4	CAL4	CAL4	CAL	10/07/25 11:09		rubina	OK
5	CAL5	CAL5	CAL	10/07/25 11:12		rubina	OK
6	CAL6	CAL6	CAL	10/07/25 11:15		rubina	OK
7	CAL7	CAL7	CAL	10/07/25 11:18		rubina	OK
8	CAL8	CAL8	CAL	10/07/25 11:21		rubina	OK
9	CAL9	CAL9	CAL	10/07/25 11:24		rubina	OK
10	ICV	ICV	ICV	10/07/25 11:27		rubina	OK
11	ICB	ICB	ICB	10/07/25 11:30		rubina	OK
12	CCV1	CCV1	CCV	10/07/25 11:33		rubina	OK
13	CCB1	CCB1	CCB	10/07/25 11:36		rubina	OK
14	LB137444BL	LB137444BL	MB	10/07/25 11:39		rubina	OK
15	LB137444BS	LB137444BS	LCS	10/07/25 11:42		rubina	OK
16	Q3019-06	WP0925-PT-MIN1-WP	SAM	10/07/25 11:45		rubina	OK
17	Q3019-06	WP0925-PT-MIN1-WP	SAM	10/07/25 11:48		rubina	OK
18	CCV2	CCV2	CCV	10/07/25 11:51		rubina	OK

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Instrument ID: WC TURBIDIMETER-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB137444

Review By	rubina	Review On	10/7/2025 4:14:30 PM
Supervise By	lwona	Supervise On	10/7/2025 4:14:40 PM
SubDirectory	LB137444	Test	Sulfate

STD. NAME	STD REF.#
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	WP115082,WP114571,WP115084,WP115076,WP115078,WP115073,WP115075,WP115077,WP115079,WP115081,\

19	CCB2	CCB2	CCB	10/07/25 11:54		rubina	OK

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Instrument ID: TOC

Daily Analysis Runlog For Sequence/QCBatch ID # LB137457

Review By	rubina	Review On	10/9/2025 10:20:37 AM
Supervise By	Iwona	Supervise On	10/9/2025 11:13:23 AM
SubDirectory	LB137457	Test	TOC

STD. NAME	STD REF.#
ICAL Standard	WP115042,WP115043,WP115044,WP115045,WP115046,WP115047,WP115048
ICV Standard	WP115049
CCV Standard	WP115047,WP115044
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP115049
Chk Standard	WP115035,WP115050,WP115055

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	0.0PPM	0.0PPM	CAL1	10/06/25 10:48		RM IZ	OK
2	0.5PPM	0.5PPM	CAL2	10/06/25 11:11		RM IZ	OK
3	1.0PPM	1.0PPM	CAL3	10/06/25 12:49		RM IZ	OK
4	2.0PPM	2.0PPM	CAL4	10/06/25 13:17		RM IZ	OK
5	5.0PPM	5.0PPM	CAL5	10/06/25 13:47		RM IZ	OK
6	10.0PPM	10.0PPM	CAL6	10/06/25 14:18		RM IZ	OK
7	20.0PPM	20.0PPM	CAL7	10/06/25 14:50		RM IZ	OK
8	ICV1	ICV1	ICV	10/06/25 15:21		RM IZ	OK
9	ICB1	ICB1	ICB	10/06/25 15:44		RM IZ	OK
10	IC-20	IC-20	SAM	10/06/25 16:07		RM IZ	OK
11	IC-R	IC-R	SAM	10/06/25 16:31		RM IZ	OK
12	CCV1	CCV1	CCV	10/07/25 10:00		RM IZ	OK
13	CCB1	CCB1	CCB	10/07/25 10:24		RM IZ	OK
14	LB137457BLW	LB137457BLW	MB	10/07/25 10:48		RM IZ	OK
15	LB137457BSW	LB137457BSW	LCS	10/07/25 11:18		RM IZ	OK
16	Q3019-03	WP0925-PT-DEM-WP	SAM	10/07/25 12:54		RM IZ	OK
17	Q3019-03DL	WP0925-PT-DEM-WP	SAM	10/07/25 14:16		RM IZ	OK
18	CCV2	CCV2	CCV	10/07/25 15:49		RM IZ	OK

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Instrument ID: TOC

Daily Analysis Runlog For Sequence/QCBatch ID # LB137457

Review By	rubina	Review On	10/9/2025 10:20:37 AM
Supervise By	lwona	Supervise On	10/9/2025 11:13:23 AM
SubDirectory	LB137457	Test	TOC

STD. NAME	STD REF.#
ICAL Standard	WP115042,WP115043,WP115044,WP115045,WP115046,WP115047,WP115048
ICV Standard	WP115049
CCV Standard	WP115047,WP115044
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP115049
Chk Standard	WP115035,WP115050,WP115055

19	CCB2	CCB2	CCB	10/07/25 17:12		RM IZ	OK

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Instrument ID: TOC

Daily Analysis Runlog For Sequence/QCBatch ID # LB137458

Review By	rubina	Review On	10/9/2025 10:20:49 AM
Supervise By	Iwona	Supervise On	10/9/2025 11:13:29 AM
SubDirectory	LB137458	Test	TOC

STD. NAME	STD REF.#
ICAL Standard	WP115042,WP115043,WP115044,WP115045,WP115046,WP115047,WP115048
ICV Standard	WP115049
CCV Standard	WP115047
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP115049
Chk Standard	WP115035,WP115050,WP115055

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	0.0PPM	0.0PPM	CAL1	10/06/25 10:48		RM IZ	OK
2	0.5PPM	0.5PPM	CAL2	10/06/25 11:11		RM IZ	OK
3	1.0PPM	1.0PPM	CAL3	10/06/25 12:49		RM IZ	OK
4	2.0PPM	2.0PPM	CAL4	10/06/25 13:17		RM IZ	OK
5	5.0PPM	5.0PPM	CAL5	10/06/25 13:47		RM IZ	OK
6	10.0PPM	10.0PPM	CAL6	10/06/25 14:18		RM IZ	OK
7	20.0PPM	20.0PPM	CAL7	10/06/25 14:50		RM IZ	OK
8	ICV1	ICV1	ICV	10/06/25 15:21		RM IZ	OK
9	ICB1	ICB1	ICB	10/06/25 15:44		RM IZ	OK
10	IC-20	IC-20	SAM	10/06/25 16:07		RM IZ	OK
11	IC-R	IC-R	SAM	10/06/25 16:31		RM IZ	OK
12	CCV1	CCV1	CCV	10/07/25 09:37		RM IZ	OK
13	CCB1	CCB1	CCB	10/07/25 10:24		RM IZ	OK
14	LB137458BLW	LB137458BLW	MB	10/07/25 10:48		RM IZ	OK
15	LB137458BSW	LB137458BSW	LCS	10/07/25 11:18		RM IZ	OK
16	Q3019-04	WP0925-PT-DEM-WP	SAM	10/07/25 12:54	TOC High	RM IZ	Dilution
17	Q3019-04DL	WP0925-PT-DEM-WP	SAM	10/07/25 14:16	4X For TOC	RM IZ	Confirms
18	CCV2	CCV2	CCV	10/07/25 15:49		RM IZ	OK

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Instrument ID: TOC

Daily Analysis Runlog For Sequence/QCBatch ID # LB137458

Review By	rubina	Review On	10/9/2025 10:20:49 AM
Supervise By	lwona	Supervise On	10/9/2025 11:13:29 AM
SubDirectory	LB137458	Test	TOC

STD. NAME	STD REF.#
ICAL Standard	WP115042,WP115043,WP115044,WP115045,WP115046,WP115047,WP115048
ICV Standard	WP115049
CCV Standard	WP115047
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP115049
Chk Standard	WP115035,WP115050,WP115055

19	CCB2	CCB2	CCB	10/07/25 17:12		RM IZ	OK

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Instrument ID: WC SC-3

Daily Analysis Runlog For Sequence/QCBatch ID # LB137467

Review By	jignesh	Review On	10/16/2025 4:49:33 PM
Supervise By	Iwona	Supervise On	10/16/2025 5:01:50 PM
SubDirectory	LB137467	Test	TVS

STD. NAME	STD REF.#
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	LB137467BL	LB137467BL	MB	10/08/25 17:00		jignesh	OK
2	Q3019-31	WP0925-PT-VSOL-W	SAM	10/08/25 17:00		jignesh	OK

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Instrument ID: WC SC-3

Daily Analysis Runlog For Sequence/QCBatch ID # LB137468

Review By	jignesh	Review On	10/16/2025 4:50:04 PM
Supervise By	Iwona	Supervise On	10/16/2025 5:01:58 PM
SubDirectory	LB137468	Test	TVS

STD. NAME	STD REF.#
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	LB137468BL	LB137468BL	MB	10/08/25 17:00		jignesh	OK
2	Q3019-32	WP0925-PT-VSOL-W	SAM	10/08/25 17:00		jignesh	OK

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Instrument ID: WC TURBIDIMETER-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB137482

Review By	lwona	Review On	10/9/2025 4:27:27 PM
Supervise By	jignesh	Supervise On	10/9/2025 4:28:54 PM
SubDirectory	LB137482	Test	Turbidity

STD. NAME	STD REF.#
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	WP115134,WP115127,WP115129,WP115133,WP115128,WP115132,WP115130,W3116

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	10/09/25 15:10		lwona	OK
2	CAL2	CAL2	CAL	10/09/25 15:13		lwona	OK
3	CAL3	CAL3	CAL	10/09/25 15:16		lwona	OK
4	CAL4	CAL4	CAL	10/09/25 15:20		lwona	OK
5	CAL5	CAL5	CAL	10/09/25 15:23		lwona	OK
6	CAL6	CAL6	CAL	10/09/25 15:26		lwona	OK
7	ICV	ICV	ICV	10/09/25 15:29		lwona	OK
8	ICB	ICB	ICB	10/09/25 15:32		lwona	OK
9	CCV1	CCV1	CCV	10/09/25 15:35		lwona	OK
10	CCB1	CCB1	CCB	10/09/25 15:38		lwona	OK
11	LB137482BL	LB137482BL	MB	10/09/25 15:41		lwona	OK
12	Q2893-09	MDL-WATER-03-QT3	SAM	10/09/25 15:44		lwona	OK
13	Q3019-34	WP0925-PT-TURB-W	SAM	10/09/25 15:47		lwona	OK
14	CCV2	CCV2	CCV	10/09/25 15:51		lwona	OK
15	CCB2	CCB2	CCB	10/09/25 15:54		lwona	OK

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Instrument ID: WC TURBIDIMETER-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB137483

Review By	Iwona	Review On	10/9/2025 4:27:32 PM
Supervise By	jignesh	Supervise On	10/9/2025 4:29:37 PM
SubDirectory	LB137483	Test	Turbidity

STD. NAME	STD REF.#
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	WP115134,WP115127,WP115129,WP115128,WP115132,WP115131,WP115130,W3116

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	10/09/25 15:10		Iwona	OK
2	CAL2	CAL2	CAL	10/09/25 15:13		Iwona	OK
3	CAL3	CAL3	CAL	10/09/25 15:16		Iwona	OK
4	CAL4	CAL4	CAL	10/09/25 15:20		Iwona	OK
5	CAL5	CAL5	CAL	10/09/25 15:23		Iwona	OK
6	CAL6	CAL6	CAL	10/09/25 15:26		Iwona	OK
7	ICV	ICV	ICV	10/09/25 15:29		Iwona	OK
8	ICB	ICB	ICB	10/09/25 15:32		Iwona	OK
9	CCV1	CCV1	CCV	10/09/25 15:35		Iwona	OK
10	CCB1	CCB1	CCB	10/09/25 15:38		Iwona	OK
11	LB137483BL	LB137483BL	MB	10/09/25 15:41		Iwona	OK
12	Q2893-12	MDL-WATER-06-QT3	SAM	10/09/25 15:44		Iwona	OK
13	Q3019-33	WP0925-PT-TURB-W	SAM	10/09/25 15:47		Iwona	OK
14	CCV2	CCV2	CCV	10/09/25 15:51		Iwona	OK
15	CCB2	CCB2	CCB	10/09/25 15:54		Iwona	OK

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Instrument ID: WC SC-3

Daily Analysis Runlog For Sequence/QCBatch ID # LB137553

Review By	jignesh	Review On	10/16/2025 1:57:29 PM
Supervise By	Iwona	Supervise On	10/16/2025 2:57:43 PM
SubDirectory	LB137553	Test	TSS

STD. NAME	STD REF.#
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	LB137553BL	LB137553BL	MB	10/16/25 09:35		jignesh	OK
2	LB137553BS	LB137553BS	LCS	10/16/25 09:35	55 mg W3186 + 100ML FOR W3112	jignesh	OK
3	Q3019-10	WP0925-PT-SOL-WP	SAM	10/16/25 09:35		jignesh	OK
4	Q3344-01	1 EFFLUENT-COMPC	SAM	10/16/25 09:35		jignesh	OK
5	Q3344-01DUP	1 EFFLUENT-COMPC	DUP	10/16/25 09:35		jignesh	OK
6	Q3345-07	TANK-FARM-WATER	SAM	10/16/25 09:35		jignesh	OK
7	Q3351-01	SW-1	SAM	10/16/25 09:35		jignesh	OK
8	Q3351-02	SW-2	SAM	10/16/25 09:35		jignesh	OK
9	Q3359-02	Comp	SAM	10/16/25 09:35		jignesh	OK

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Instrument ID: WC SC-3

Daily Analysis Runlog For Sequence/QCBatch ID # LB137554

Review By	jignesh	Review On	10/16/2025 2:48:16 PM
Supervise By	Iwona	Supervise On	10/16/2025 2:57:14 PM
SubDirectory	LB137554	Test	TDS

STD. NAME	STD REF.#
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	LB137554BL	LB137554BL	MB	10/15/25 12:30		jignesh	OK
2	LB137554BS	LB137554BS	LCS	10/15/25 12:30	WP115238	jignesh	OK
3	Q3019-10	WP0925-PT-SOL-WP	SAM	10/15/25 12:30		jignesh	OK
4	Q3344-01	1 EFFLUENT-COMPC	SAM	10/15/25 12:30		jignesh	OK
5	Q3344-01DUP	1 EFFLUENT-COMPC	DUP	10/15/25 12:30		jignesh	OK

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Instrument ID: WC SC-3

Daily Analysis Runlog For Sequence/QCBatch ID # LB137555

Review By	jignesh	Review On	10/16/2025 11:12:11 AM
Supervise By	Iwona	Supervise On	10/16/2025 2:55:35 PM
SubDirectory	LB137555	Test	TS

STD. NAME	STD REF.#
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	LB137555BL	LB137555BL	MB	10/15/25 12:00		jignesh	OK
2	LB137555BS	LB137555BS	LCS	10/15/25 12:00		jignesh	OK
3	Q3019-10	WP0925-PT-SOL-WP	SAM	10/15/25 12:00		jignesh	OK

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Prep Standard - Chemical Standard Summary

Order ID : Q3019

Test : Alkalinity,Ammonia,Anions Group1,Anions Group2,Anions Group4,Anions Group5,BOD5,CBOD5,Chloride,COD,Color,Conductance,Cyanide,Hexavalent Chromium,Nitrite,Oil and Grease pH Phenolics Phosphorus-Ortho Phosphorus-Total Residual Chlorine Settleable

Prepbatch ID : PB169542,PB169543,PB169624,PB169625,PB169630,PB169639,PB169642,PB169715,PB169716,PB169837,

Sequence ID/Qc Batch ID: LB137127,LB137128,LB137132,LB137134,LB137135,LB137136,LB137137,LB137146,LB137152,LB13

Standard ID :
EP2636,WP112609,WP112610,WP112611,WP112612,WP112615,WP112643,WP112782,WP112783,WP112784,WP112796,WP112826,WP112827,WP112828,WP112831,WP112832,WP112913,WP112914,WP112974,WP112989,WP112990,WP113112,WP113113,WP113135,WP113378,WP113500,WP113669,WP113780,WP113836,WP113838,WP113878,WP113880,WP113881,WP113885,WP113886,WP113887,WP113929,WP114035,WP114132,WP114133,WP114219,WP114220,WP114311,WP114324,WP114331,WP114341,WP114445,WP114571,WP114652,WP114653,WP114654,WP114655,WP114656,WP114657,WP114658,WP114659,WP114661,WP114669,WP114670,WP114677,WP114678,WP114679,WP114680,WP114681,WP114682,WP114683,WP114684,WP114685,WP114686,WP114687,WP114688,WP114689,WP114690,WP114691,WP114692,WP114693,WP114694,WP114695,WP114696,WP114698,WP114701,WP114702,WP114703,WP114704,WP114705,WP114706,WP114707,WP114708,WP114709,WP114710,WP114728,WP114729,WP114730,WP114733,WP114734,WP114735,WP114736,WP114737,WP114738,WP114749,WP114755,WP114768,WP114769,WP114771,WP114785,WP114786,WP114787,WP114788,WP114789,WP114790,WP114791,WP114796,WP114797,WP11

Chemical ID :
E3875,E3917,E3965,M5501,M5884,M6041,M6069,M6151,M6186,M6187,W2103,W2211,W2306,W2647,W2650,W2651,W2652,W2653,W2654,W2663,W2664,W2666,W2668,W2685,W2788,W2797,W2812,W2817,W2858,W2860,W2871,W2926,W2979,W2983,W2984,W3009,W3012,W3016,W3019,W3035,W3049,W3055,W3058,W3074,W3078,W3079,W3081,W3082,W3083,W3093,W3095,W3103,W3105,W3109,W3112,W3113,W3116,W3119,W3130,W3131,W3132,W3133,W3139,W3140,W3141,W3147,W3148,W3149,W3150,W3152,W3155,W3163,W3167,W3169,W3176,W3178,W3180,W3182,W3183,W3186,W3190,W3191,W3195,W3196,W3197,W3198,W3199,W3201,W3203,W3204,W3205,W3206,W3212,W3213,W3214,W3215,W3217,W3218,W3219,W3220,W3222,W3224,W3229,W3233,W3235,

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Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3923	Baked Sodium Sulfate	EP2636	08/27/2025	01/28/2026	Riteshkumar Patel	Extraction_SCALE_2 (EX-SC-2)	None	Evelyn Huang 08/27/2025

FROM 4000.00000gram of E3875 = Final Quantity: 4000.000 gram

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
672	ammonia buffer for phenol	WP112609	04/07/2025	10/07/2025	Rubina Mughal	WETCHEM_SCALE_5 (WC SC-5)	None	Iwona Zarych 04/07/2025

FROM 143.00000ml of W3141 + 19.60000gram of W3195 + 90.10000ml of W3112 = Final Quantity: 250.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1935	Potassium ferricyanide solution-phenol	WP112610	04/07/2025	10/07/2025	Rubina Mughal	WETCHEM_SCALE_5 (WCSC-5)	None	Iwona Zarych 04/07/2025

FROM 8.00000gram of W2211 + 92.00000ml of W3112 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
153	Ammonia Stock Std. (1000 ppm)	WP112611	04/07/2025	10/07/2025	Rubina Mughal	None	WETCHEM_PIPETTE_3 (WC)	Iwona Zarych 04/07/2025

FROM 3.81900gram of W3196 + 95.00000ml of W3112 = Final Quantity: 100.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1895	Ammonia Stock Std, 1000PPM-SS	WP112612	04/07/2025	10/07/2025	Rubina Mughal	WETCHEM_SCALE_8 (WCSC-7)	None	Iwona Zarych 04/07/2025

FROM 3.81900gram of W3195 + 996.18100ml of W3112 = Final Quantity: 1000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1211	11 N sulfuric acid	WP112615	04/03/2025	10/07/2025	Niha Farheen Shaik	None	None	Iwona Zarych 04/07/2025

FROM 306.00000ml of M6041 + 694.00000ml of W3112 = Final Quantity: 1000.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
539	CN BUFFER	WP112643	04/09/2025	10/09/2025	Niha Farheen Shaik	WETCHEM_SCALE_5 (WCSC-5)	None	Iwona Zarych 04/09/2025

FROM 138.00000gram of W2668 + 862.00000ml of W3112 = Final Quantity: 1000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
229	1:1 HCL	WP112782	04/22/2025	08/18/2025	Jignesh Parikh	None	None	Iwona Zarych 04/22/2025

FROM 500.00000ml of M6151 + 500.00000ml of W3112 = Final Quantity: 1.000 L

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2470	1664A SPIKING SOLN	WP112783	04/22/2025	10/03/2025	Jignesh Parikh	WETCHEM_SCALE_8 (WCSC-7)	None	Iwona Zarych 04/22/2025

FROM 1000.00000ml of E3917 + 4.00000gram of W2817 + 4.00000gram of W2871 = Final Quantity: 1000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3374	1664A QCS spiking solution-SS	WP112784	04/22/2025	10/03/2025	Jignesh Parikh	WETCHEM_SCALE_8 (WCSC-7)	None	Iwona Zarych 04/22/2025

FROM 1000.00000ml of E3917 + 4.00000gram of W3009 + 4.00000gram of W3082 = Final Quantity: 1000.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4035	IC ELUENT CONCENTRATE FOR IC-1	WP112796	04/22/2025	10/22/2025	Iwona Zarych	WETCHEM_SCALE_5 (WCSC-5)	None	Jignesh Parikh 04/22/2025

FROM 2.10000gram of W2647 + 84.75000gram of W3163 + 913.15000ml of W3112 = Final Quantity: 1000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1714	Sulfuric Acid, 50% (v/v)	WP112826	04/25/2025	10/25/2025	Rubina Mughal	None	None	Iwona Zarych 04/25/2025

FROM 1000.00000ml of M6041 + 1000.00000ml of W3112 = Final Quantity: 2000.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3214	Magnesium Chloride For Cyanide 2.5M(51%W/V)	WP112827	04/25/2025	10/25/2025	Rubina Mughal	WETCHEM_SCALE_8 (WCSC-7)	None	Iwona Zarych 04/25/2025

FROM 500.00000ml of W3112 + 510.00000gram of W3152 = Final Quantity: 1000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1597	0.04 N H2SO4	WP112828	04/25/2025	10/25/2025	Rubina Mughal	None	WETCHEM_PIPETTE_3 (WC)	Iwona Zarych 04/25/2025

FROM 1.00000ml of M6041 + 999.00000ml of W3112 = Final Quantity: 1000.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
126	5N sulfuric acid	WP112831	04/25/2025	10/25/2025	Rubina Mughal	None	None	Iwona Zarych 04/25/2025

FROM 140.00000ml of M6041 + 860.00000ml of W3112 = Final Quantity: 1.000 L

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1841	Sulfuric Acid, 1N	WP112832	04/25/2025	10/25/2025	Rubina Mughal	None	WETCHEM_PIPETTE_3 (WC)	Iwona Zarych 04/25/2025

FROM 2.80000ml of M6041 + 97.20000ml of W3112 = Final Quantity: 100.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
115	Phosphate Stock Std. (50 ppm)	WP112913	05/01/2025	11/01/2025	Iwona Zarych	WETCHEM_SCALE_5 (WCSC-5)	None	Jignesh Parikh 05/06/2025

FROM 0.11000gram of W3198 + 500.00000ml of W3112 = Final Quantity: 500.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2790	Phosphate Stock std, 50PPM-SS	WP112914	05/01/2025	11/01/2025	Iwona Zarych	WETCHEM_SCALE_5 (WCSC-5)	None	Jignesh Parikh 05/06/2025

FROM 0.11000gram of W3206 + 500.00000ml of W3112 = Final Quantity: 500.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1647	Sulfate Buffer solution A	WP112974	05/06/2025	11/06/2025	Rubina Mughal	WETCHEM_SCALE_8 (WCSC-7)	Glass Pipette-A	Iwona Zarych 05/06/2025

FROM 1.00000gram of W3119 + 20.00000ml of W3205 + 30.00000gram of W3152 + 5.00000gram of W2984 + 944.00000ml of W3112 = Final Quantity: 1000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3838	Sulfate Stock Std- SS, 1000PPM	WP112989	05/07/2025	11/07/2025	Rubina Mughal	WETCHEM_SCALE_5 (WCSC-5)	None	Iwona Zarych 05/07/2025

FROM 1.47900gram of W3055 + 999.00000ml of W3112 = Final Quantity: 1000.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3890	Chloride Stock Std - 10000ppm	WP112990	05/07/2025	11/07/2025	Rubina Mughal	WETCHEM_SCALE_8 (WCSC-7)	None	Iwona Zarych 05/07/2025

FROM 16.48500gram of M5884 + 985.00000ml of W3112 = Final Quantity: 1000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
648	Ammonium molybdate solution	WP113112	05/16/2025	11/16/2025	Iwona Zarych	WETCHEM_SCALE_5 (WCSC-5)	None	Jignesh Parikh 05/16/2025

FROM 20.00000gram of W2664 + 480.00000ml of W3112 = Final Quantity: 500.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
588	Potassium Antimonyl Tartrate	WP113113	05/16/2025	11/16/2025	Iwona Zarych	WETCHEM_SCALE_5 (WCSC-5)	None	Jignesh Parikh 05/16/2025

FROM 1.37150gram of W2306 + 500.00000ml of W3112 = Final Quantity: 500.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
619	TKN digestion solution	WP113135	05/20/2025	11/20/2025	Rubina Mughal	WETCHEM_SCALE_8 (WCSC-7)	None	Iwona Zarych 05/20/2025

FROM 134.00000gram of W2983 + 134.00000ml of M6041 + 7.30000gram of W3199 + 725.00000ml of W3112 = Final Quantity: 1000.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1213	Phenolphthalein indicator	WP113378	06/04/2025	12/04/2025	Iwona Zarych	WETCHEM_SCALE_5 (WCSC-5)	None	Jignesh Parikh 06/05/2025

FROM 0.10000gram of W2650 + 50.00000ml of W2788 + 50.00000ml of W3112 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3886	Inorganic carbon stock solution, 1000ppm	WP113500	06/10/2025	12/10/2025	Iwona Zarych	None	Glass Pipette-A	Jignesh Parikh 06/13/2025

FROM 3.49700gram of W2647 + 4.41220gram of W3058 + 993.00000ml of W3112 = Final Quantity: 1000.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3837	Sulfate Stock Std, 1000PPM	WP113669	06/25/2025	11/30/2025	Rubina Mughal	WETCHEM_SCALE_5 (WCSC-5)	None	Iwona Zarych 06/27/2025

FROM 1.47900gram of W3055 + 999.00000ml of W3112 = Final Quantity: 1000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2051	TOC STOCK STD-SS, 4000PPM	WP113780	07/01/2025	01/01/2026	Iwona Zarych	WETCHEM_SCALE_5 (WCSC-5)	WETCHEM_PIPETTE_3 (WC)	Jignesh Parikh 07/02/2025

FROM 2.50000ml of W2860 + 4.25600gram of W3219 + 495.00000ml of W3112 = Final Quantity: 500.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
11	Sodium hydroxide absorbing solution 0.25 N	WP113836	07/08/2025	12/31/2025	Rubina Mughal	WETCHEM_SCALE_8 (WCSC-7)	None	Iwona Zarych 07/08/2025

FROM 21.00000L of W3112 + 210.00000gram of W3113 = Final Quantity: 21.000 L

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3371	Cyanide LCS Spike Solution, 5PPM	WP113838	07/08/2025	12/24/2025	Rubina Mughal	None	WETCHEM_PIPETTE_3 (WC)	Iwona Zarych 07/08/2025

FROM 1.00000ml of W3224 + 199.00000ml of WP113836 = Final Quantity: 200.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1571	Sodium hydroxide, 1N	WP113878	07/09/2025	12/31/2025	Iwona Zarych	WETCHEM_SCALE_7 (WCSC-6)	None	Jignesh Parikh 07/09/2025

FROM 4.00000gram of W3113 + 96.00000ml of W3112 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1993	HEXAVALENTCHROMIUM STOCK STD 1, 50PPM	WP113880	07/10/2025	01/10/2026	Rubina Mughal	WETCHEM_SCALE_5 (WCSC-5)	None	Iwona Zarych 07/10/2025

FROM 0.14140gram of W2651 + 1000.00000ml of W3112 = Final Quantity: 1000.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1994	HEXAVALENTCHROMIUM STOCK STD 2, 50PPM	WP113881	07/10/2025	01/10/2026	Rubina Mughal	WETCHEM_SCALE_5 (WCSC-5)	None	Iwona Zarych 07/10/2025

FROM 0.14140gram of W2652 + 1000.00000ml of W3112 = Final Quantity: 1000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1796	NaOH, 0.1N	WP113885	07/10/2025	12/31/2025	Rubina Mughal	WETCHEM_SCALE_8 (WCSC-7)	None	Iwona Zarych 07/10/2025

FROM 4.00000gram of W3113 + 996.00000ml of W3112 = Final Quantity: 1000.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1494	BORATE BUFFER	WP113886	07/10/2025	12/31/2025	Rubina Mughal	WETCHEM_SCALE_8 (WCSC-7)	None	Iwona Zarych 07/10/2025

FROM 0.90250L of W3112 + 9.50000gram of W3201 + 88.00000ml of WP113885 = Final Quantity: 1.000 L

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1471	NaOH Solution, 6N	WP113887	07/10/2025	12/31/2025	Rubina Mughal	WETCHEM_SCALE_8 (WCSC-7)	None	Iwona Zarych 07/10/2025

FROM 240.00000gram of W3113 + 760.00000ml of W3112 = Final Quantity: 1000.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
290	Phenol reagent for Ammonia	WP113929	07/14/2025	12/31/2025	Rubina Mughal	WETCHEM_SCALE_8 (WCSC-7)	None	Iwona Zarych 07/15/2025

FROM 3.20000gram of W3113 + 8.30000gram of W2663 + 88.80000ml of W3112 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2050	TOC STOCK STD, 4000PPM	WP114035	07/22/2025	01/22/2026	Iwona Zarych	WETCHEM_SCALE_5 (WCSC-5)	Glass Pipette-A	Jignesh Parikh 07/22/2025

FROM 5.00000ml of W2860 + 8.51200gram of W3169 + 990.00000ml of W3112 = Final Quantity: 1000.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
635	EDTA BUFFER FOR AMMONIA	WP114132	07/31/2025	12/31/2025	Rubina Mughal	WETCHEM_SCALE_8 (WCSC-7)	None	Iwona Zarych 07/31/2025

FROM 5.50000gram of W3113 + 50.00000gram of W3132 + 950.00000ml of W3112 = Final Quantity: 1000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
289	Sodium Hypochlorite for Ammonia	WP114133	07/31/2025	12/31/2025	Rubina Mughal	None	None	Iwona Zarych 08/04/2025

FROM 50.00000ml of W3112 + 50.00000ml of W3222 = Final Quantity: 100.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1903	Phenol stock std, 1000PPM	WP114219	08/08/2025	01/07/2026	Rubina Mughal	WETCHEM_SCALE_7 (WCSC-6)	None	Iwona Zarych 08/11/2025

FROM 1.00000gram of W2858 + 999.00000ml of W3112 = Final Quantity: 1000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1904	Phenol stock std, 1000PPM-SS	WP114220	08/08/2025	02/08/2026	Rubina Mughal	WETCHEM_SCALE_7 (WCSC-6)	None	Iwona Zarych 08/11/2025

FROM 1.00000gram of W2663 + 999.00000ml of W3112 = Final Quantity: 1000.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
160	0.5M ZINC ACETATE	WP114311	08/19/2025	02/17/2026	Rubina Mughal	WETCHEM_SCALE_8 (WCSC-7)	WETCHEM_PIPETTE_3 (WC)	Jignesh Parikh 08/19/2025

FROM 0.88900L of W3112 + 1.00000ml of M6151 + 110.00000gram of W2926 = Final Quantity: 1000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
607	PYRIDINE-BARBITURIC ACID	WP114324	08/19/2025	02/17/2026	Rubina Mughal	WETCHEM_SCALE_5 (WCSC-5)	Glass Pipette-A	Jignesh Parikh 08/19/2025

FROM 145.00000ml of W3112 + 15.00000gram of W3203 + 15.00000ml of M6151 + 75.00000ml of W3019 = Final Quantity: 250.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1849	Buffer Color reagent NO2	WP114331	08/20/2025	09/20/2025	Rubina Mughal	WETCHEM_SCALE_5 (WCSC-5)	Glass Pipette-A	Jignesh Parikh 08/21/2025

FROM 0.10000gram of W2103 + 1.00000gram of W3083 + 10.00000ml of W2860 + 90.00000ml of W3112 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
922	0.2N SULFURIC ACID	WP114341	08/20/2025	02/12/2026	Rubina Mughal	None	WETCHEM_PIPETTE_3 (WC)	Jignesh Parikh 08/21/2025

FROM 5.60000ml of M6186 + 994.40000ml of W3112 = Final Quantity: 1000.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1338	TKN DISTILLING BUFFER	WP114445	08/27/2025	12/31/2025	Rubina Mughal	WETCHEM_SCALE_8 (WCSC-7)	None	Iwona Zarych 09/03/2025

FROM 0.47500L of W3112 + 25.00000gram of W3148 + 500.00000gram of W3113 = Final Quantity: 1.000 L

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1105	conditioning reagent	WP114571	09/04/2025	10/31/2025	Rubina Mughal	WETCHEM_SCALE_8 (WCSC-7)	Glass Pipette-A	Iwona Zarych 09/04/2025

FROM 100.00000ml of W3218 + 30.00000ml of M6151 + 300.00000ml of W3112 + 50.00000ml of W2812 + 75.00000gram of M5884 = Final Quantity: 500.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2456	COD Stock std, 1000ppm	WP114652	09/08/2025	09/15/2025	Iwona Zarych	WETCHEM_SCALE_5 (WCSC-5)	None	Jignesh Parikh 09/11/2025

FROM 0.08500gram of W3219 + 100.00000ml of W3112 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2457	COD Stock std-SS, 1000ppm	WP114653	09/08/2025	09/15/2025	Iwona Zarych	WETCHEM_SCALE_5 (WCSC-5)	None	Jignesh Parikh 09/11/2025

FROM 0.08500gram of W3169 + 100.00000ml of W3112 = Final Quantity: 100.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
139	COD calibration std. 0 ppm	WP114654	09/08/2025	09/15/2025	Iwona Zarych	None	None	Jignesh Parikh 09/11/2025

FROM 10.00000ml of W3112 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
138	COD calibration std. 10 ppm	WP114655	09/08/2025	09/15/2025	Iwona Zarych	None	WETCHEM_PIPETTE_3 (WC)	Jignesh Parikh 09/11/2025

FROM 9.90000ml of W3112 + 0.10000ml of WP114652 = Final Quantity: 10.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
137	COD calibration std. 50 ppm	WP114656	09/08/2025	09/15/2025	Iwona Zarych	None	WETCHEM_PIPETTE_3 (WC)	Jignesh Parikh 09/11/2025

FROM 9.50000ml of W3112 + 0.50000ml of WP114652 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4161	COD calibration std. 75 ppm	WP114657	09/08/2025	09/15/2025	Iwona Zarych	None	WETCHEM_PIPETTE_3 (WC)	Jignesh Parikh 09/11/2025

FROM 9.25000ml of W3112 + 0.75000ml of WP114652 = Final Quantity: 10.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
136	COD calibration std. 100 ppm	WP114658	09/08/2025	09/15/2025	Iwona Zarych	None	WETCHEM_PIPETTE_3 (WC)	Jignesh Parikh 09/11/2025

FROM 9.00000ml of W3112 + 1.00000ml of WP114652 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
135	COD calibration std. 150 ppm	WP114659	09/08/2025	09/15/2025	Iwona Zarych	None	WETCHEM_PIPETTE_3 (WC)	Jignesh Parikh 09/11/2025

FROM 8.50000ml of W3112 + 1.50000ml of WP114652 = Final Quantity: 10.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2459	COD ICV-LCS std, 50ppm	WP114661	09/08/2025	09/15/2025	Iwona Zarych	None	WETCHEM_PIPETTE_3 (WC)	Jignesh Parikh 09/11/2025

FROM 9.50000ml of W3112 + 0.50000ml of WP114653 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1478	Phenol Intermediate Std - 50PPM	WP114669	09/09/2025	10/09/2025	Rubina Mughal	None	WETCHEM_PIPETTE_3 (WC)	Iwona Zarych 09/11/2025

FROM 47.50000ml of W3112 + 2.50000ml of WP114219 = Final Quantity: 50.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1635	Phenol Intermediate Std Second Source-50PPM	WP114670	09/09/2025	10/09/2025	Rubina Mughal	None	WETCHEM_PIPETTE_3 (WC)	Iwona Zarych 09/11/2025

FROM 47.50000ml of W3112 + 2.50000ml of WP114220 = Final Quantity: 50.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2487	Anions 300/9056 calibration standard 1	WP114677	09/09/2025	09/10/2025	Iwona Zarych	None	None	Jignesh Parikh 09/11/2025

FROM 10.00000ml of W3112 = Final Quantity: 10.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
24	Anions 300/9056 calibration standard 2	WP114678	09/09/2025	09/10/2025	Iwona Zarych	None	WETCHEM_PIPETTE_3 (WC)	Jignesh Parikh 09/11/2025

FROM 0.20000ml of W3180 + 9.80000ml of W3112 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
25	Anions 300/9056 calibration standard 3	WP114679	09/09/2025	09/10/2025	Iwona Zarych	None	WETCHEM_PIPETTE_3 (WC)	Jignesh Parikh 09/11/2025

FROM 0.40000ml of W3180 + 9.60000ml of W3112 = Final Quantity: 10.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
26	Anions 300/9056 calibration standard 4	WP114680	09/09/2025	09/10/2025	Iwona Zarych	None	WETCHEM_PIPETTE_3 (WC)	Jignesh Parikh 09/11/2025

FROM 0.50000ml of W3180 + 9.50000ml of W3112 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3680	Anions 300/9056 calibration standard 5-CCV	WP114681	09/09/2025	09/10/2025	Iwona Zarych	None	WETCHEM_PIPETTE_3 (WC)	Jignesh Parikh 09/11/2025

FROM 45.00000ml of W3112 + 5.00000ml of W3180 = Final Quantity: 50.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3679	Anions 300/9056 calibration standard 6	WP114682	09/09/2025	09/10/2025	Iwona Zarych	None	WETCHEM_PIPETTE_3 (WC)	Jignesh Parikh 09/11/2025

FROM 2.00000ml of W3180 + 8.00000ml of W3112 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3681	Anions 300/9056 calibration standard 7	WP114683	09/09/2025	09/10/2025	Iwona Zarych	None	WETCHEM_PIPETTE_3 (WC)	Jignesh Parikh 09/11/2025

FROM 2.50000ml of W3180 + 7.50000ml of W3112 = Final Quantity: 10.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3233	Anions 300/9056 ICV-LCS std	WP114684	09/09/2025	09/10/2025	Iwona Zarych	None	WETCHEM_PIPETTE_3 (WC)	Jignesh Parikh 09/11/2025

FROM 45.00000ml of W3112 + 5.00000ml of W3197 = Final Quantity: 50.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4036	IC ELUENT FOR IC-1	WP114685	09/09/2025	10/09/2025	Iwona Zarych	None	Glass Pipette-A	Jignesh Parikh 09/11/2025

FROM 1980.00000ml of W3112 + 20.00000ml of WP112796 = Final Quantity: 2000.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4037	IC H2SO4 FOR IC-1	WP114686	09/09/2025	10/09/2025	Iwona Zarych	None	Glass Pipette-A	Jignesh Parikh 09/11/2025

FROM 5.60000ml of M6186 + 994.40000ml of W3112 = Final Quantity: 1000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3311	Sulfide Int std, 1000PPM	WP114687	09/10/2025	09/11/2025	Rubina Mughal	WETCHEM_SCALE_5 (WCSC-5)	None	Iwona Zarych 09/11/2025

FROM 0.75000gram of W3190 + 99.00000ml of W3112 = Final Quantity: 100.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3312	Sulfide std, 25PPM	WP114688	09/10/2025	09/11/2025	Rubina Mughal	None	WETCHEM_PIPETTE_3 (WC)	Iwona Zarych 09/11/2025

FROM 48.75000ml of W3112 + 1.25000ml of WP114687 = Final Quantity: 50.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3456	Cyanide Intermediate Working Std, 5PPM	WP114689	09/10/2025	09/11/2025	Rubina Mughal	None	WETCHEM_PIPETTE_3 (WC)	Iwona Zarych 09/11/2025

FROM 0.25000ml of W3214 + 49.75000ml of WP113836 = Final Quantity: 50.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4	Calibation standard 500 ppb	WP114690	09/10/2025	09/11/2025	Rubina Mughal	None	WETCHEM_PIPETTE_3 (WC)	Iwona Zarych 09/11/2025

FROM 45.00000ml of WP113836 + 5.00000ml of WP114689 = Final Quantity: 50.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3761	Calibration-CCV CN Standard 250 ppb	WP114691	09/10/2025	09/11/2025	Rubina Mughal	None	WETCHEM_PIPETTE_3 (WC)	Iwona Zarych 09/11/2025

FROM 2.50000ml of WP114689 + 47.50000ml of WP113836 = Final Quantity: 50.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
6	Calibration Standard 100 ppb	WP114692	09/10/2025	09/11/2025	Rubina Mughal	None	WETCHEM_PIPETTE_3 (WC)	Iwona Zarych 09/11/2025

FROM 1.00000ml of WP114689 + 49.00000ml of WP113836 = Final Quantity: 50.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
7	Calibration Standard 50 ppb	WP114693	09/10/2025	09/11/2025	Rubina Mughal	None	WETCHEM_PIPETTE_3 (WC)	Iwona Zarych 09/11/2025

FROM 0.50000ml of WP114689 + 49.50000ml of WP113836 = Final Quantity: 50.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
8	Calibration Standard 10 ppb	WP114694	09/10/2025	09/11/2025	Rubina Mughal	None	WETCHEM_PIPETTE_3 (WC)	Iwona Zarych 09/11/2025

FROM 1.00000ml of WP114690 + 49.00000ml of WP113836 = Final Quantity: 50.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
9	Calibration Standard 5 ppb	WP114695	09/10/2025	09/11/2025	Rubina Mughal	None	WETCHEM_PIPETTE_3 (WC)	Iwona Zarych 09/11/2025

FROM 0.50000ml of WP114690 + 49.50000ml of WP113836 = Final Quantity: 50.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
167	0 ppb CN calibration std	WP114696	09/10/2025	09/11/2025	Rubina Mughal	None	None	Iwona Zarych 09/11/2025

FROM 50.00000ml of WP113836 = Final Quantity: 50.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1582	Chloramine T solution, 0.014M	WP114698	09/10/2025	09/11/2025	Rubina Mughal	WETCHEM_SCALE_5 (WCSC-5)	Glass Pipette-A	Iwona Zarych 09/11/2025

FROM 0.08000gram of W3139 + 20.00000ml of W3112 = Final Quantity: 20.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3443	Residual chlorine std, Intermediate 10PPM	WP114701	09/10/2025	09/11/2025	Iwona Zarych	None	Glass Pipette-A	Jignesh Parikh 09/11/2025

FROM 42.75000ml of W3112 + 7.25000ml of W3130 = Final Quantity: 50.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3444	Residual chlorine std, Intermediate-SS 10PPM	WP114702	09/10/2025	09/11/2025	Iwona Zarych	None	Glass Pipette-A	Jignesh Parikh 09/11/2025

FROM 42.50000ml of W3112 + 7.50000ml of W3131 = Final Quantity: 50.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3710	Chlorine Calibration std, 0.0ppm	WP114703	09/10/2025	09/11/2025	Iwona Zarych	None	None	Jignesh Parikh 09/11/2025

FROM 50.00000ml of W3112 = Final Quantity: 50.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3707	Chlorine Calibration std, 0.1ppm	WP114704	09/10/2025	09/11/2025	Iwona Zarych	None	WETCHEM_PIPETTE_3 (WC)	Jignesh Parikh 09/11/2025

FROM 49.50000ml of W3112 + 0.50000ml of WP114701 = Final Quantity: 50.000 ml

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Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3708	Chlorine Calibration std, 0.2ppm	WP114705	09/10/2025	09/11/2025	Iwona Zarych	None	WETCHEM_PIPETTE_3 (WC)	Jignesh Parikh 09/11/2025

FROM 49.00000ml of W3112 + 1.00000ml of WP114701 = Final Quantity: 50.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3799	Residual Chlorine Calibration and CCV std, 0.4PPM	WP114706	09/10/2025	09/11/2025	Iwona Zarych	None	WETCHEM_PIPETTE_3 (WC)	Jignesh Parikh 09/11/2025

FROM 96.00000ml of W3112 + 4.00000ml of WP114701 = Final Quantity: 100.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3709	Chlorine Calibration std, 0.8ppm	WP114707	09/10/2025	09/11/2025	Iwona Zarych	None	WETCHEM_PIPETTE_3 (WC)	Jignesh Parikh 09/11/2025

FROM 46.00000ml of W3112 + 4.00000ml of WP114701 = Final Quantity: 50.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3711	Chlorine Calibration std, 1.6ppm	WP114708	09/10/2025	09/11/2025	Iwona Zarych	None	Glass Pipette-A	Jignesh Parikh 09/11/2025

FROM 42.00000ml of W3112 + 8.00000ml of WP114701 = Final Quantity: 50.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3452	Residual chlorine ICV-LCS, 0.4PPM	WP114709	09/10/2025	09/11/2025	Iwona Zarych	None	WETCHEM_PIPETTE_3 (WC)	Jignesh Parikh 09/11/2025

FROM 48.00000ml of W3112 + 2.00000ml of WP114702 = Final Quantity: 50.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3450	Residual chlorine LOD, 0.05PPM	WP114710	09/10/2025	09/11/2025	Iwona Zarych	None	WETCHEM_PIPETTE_3 (WC)	Jignesh Parikh 09/11/2025

FROM 49.75000ml of W3112 + 0.25000ml of WP114701 = Final Quantity: 50.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3482	Nitrite Calibration Std-0.6PPM	WP114728	09/11/2025	09/12/2025	Rubina Mughal	None	WETCHEM_PIPETTE_3 (WC)	Iwona Zarych 09/11/2025

FROM 1.00000ml of W3180 + 49.00000ml of W3112 = Final Quantity: 50.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3483	Nitrite CCV Std-0.3PPM	WP114729	09/11/2025	09/12/2025	Rubina Mughal	None	WETCHEM_PIPETTE_3 (WC)	Iwona Zarych 09/11/2025

FROM 0.50000ml of W3180 + 49.50000ml of W3112 = Final Quantity: 50.000 ml

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Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3484	Nitrite ICV-LCSW Std-0.3PPM	WP114730	09/11/2025	09/12/2025	Rubina Mughal	None	WETCHEM_PIPETTE_3 (WC)	Iwona Zarych 09/11/2025

FROM 0.50000ml of W3197 + 49.50000ml of W3112 = Final Quantity: 50.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1633	Phenol Calibration Std, 2PPM	WP114733	09/11/2025	09/12/2025	Rubina Mughal	None	WETCHEM_PIPETTE_3 (WC)	Jignesh Parikh 09/12/2025

FROM 48.00000ml of W3112 + 2.00000ml of WP114669 = Final Quantity: 50.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1634	Phenol CCV Std, 1PPM	WP114734	09/11/2025	09/12/2025	Rubina Mughal	None	WETCHEM_PIPETTE_3 (WC)	Jignesh Parikh 09/12/2025

FROM 49.00000ml of W3112 + 1.00000ml of WP114669 = Final Quantity: 50.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1636	Phenol ICV Std, 1PPM	WP114735	09/11/2025	09/12/2025	Rubina Mughal	None	WETCHEM_PIPETTE_3 (WC)	Jignesh Parikh 09/12/2025

FROM 49.00000ml of W3112 + 1.00000ml of WP114670 = Final Quantity: 50.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
506	4-AMINOANTIPYRINE	WP114736	09/11/2025	09/12/2025	Rubina Mughal	WETCHEM_SCALE_5 (WCSC-5)	Glass Pipette-A	Jignesh Parikh 09/12/2025

FROM 0.40000gram of W3176 + 20.00000ml of W3112 = Final Quantity: 20.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3680	Anions 300/9056 calibration standard 5-CCV	WP114737	09/11/2025	09/12/2025	Iwona Zarych	None	WETCHEM_PIPETTE_3 (WC)	Jignesh Parikh 09/12/2025

FROM 45.00000ml of W3112 + 5.00000ml of W3180 = Final Quantity: 50.000 ml

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Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3233	Anions 300/9056 ICV-LCS std	WP114738	09/11/2025	09/12/2025	Iwona Zarych	None	WETCHEM_PIPETTE_3 (WC)	Jignesh Parikh 09/12/2025

FROM 45.00000ml of W3112 + 5.00000ml of W3197 = Final Quantity: 50.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
540	conductivity standard	WP114749	09/12/2025	03/12/2026	Iwona Zarych	WETCHEM_SCALE_5 (WCSC-5)	None	Jignesh Parikh 09/12/2025

FROM 0.74560gram of W2685 + 1000.00000ml of W3112 = Final Quantity: 1000.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
114	hexavalent chromium color reagent	WP114755	09/15/2025	09/22/2025	Rubina Mughal	WETCHEM_SCALE_5 (WCSC-5)	None	Iwona Zarych 09/17/2025

FROM 0.25000gram of W2979 + 50.00000ml of E3965 = Final Quantity: 50.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3898	Mixed indicator reagent for Chloride more than 100ppm	WP114768	09/15/2025	10/15/2025	Iwona Zarych	WETCHEM_SCALE_5 (WCSC-5)	None	Jignesh Parikh 09/18/2025

FROM 0.05000gram of W2797 + 0.50000gram of W3049 + 99.00000ml of W3218 = Final Quantity: 100.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3806	HNO3 0.1N for Chloride	WP114769	09/15/2025	01/28/2026	Iwona Zarych	WETCHEM_SCALE_5 (WCSC-5)	None	Jignesh Parikh 09/18/2025

FROM 0.64000ml of M6187 + 99.36000ml of W3112 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3891	Chloride LCS Std - 500ppm	WP114771	09/15/2025	09/16/2025	Iwona Zarych	None	WETCHEM_PIPETTE_3 (WC)	Jignesh Parikh 09/18/2025

FROM 19.00000ml of W3112 + 1.00000ml of WP112990 = Final Quantity: 20.000 ml

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Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1322	Ammonia Intermediate Std, 50PPM	WP114785	09/16/2025	10/07/2025	Rubina Mughal	None	WETCHEM_PIPETTE_3 (WC)	Iwona Zarych 09/17/2025

FROM 95.00000ml of W3112 + 5.00000ml of WP112611 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1639	Ammonia Intermediate Std-Second source, 50PPM	WP114786	09/16/2025	10/07/2025	Rubina Mughal	None	WETCHEM_PIPETTE_3 (WC)	Iwona Zarych 09/17/2025

FROM 95.00000ml of W3112 + 5.00000ml of WP112612 = Final Quantity: 100.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
295	TKN Calibration Std (10 ppm)	WP114787	09/16/2025	09/23/2025	Rubina Mughal	None	WETCHEM_PIPETTE_3 (WC)	Iwona Zarych 09/17/2025

FROM 49.50000ml of W3112 + 0.50000ml of WP112611 = Final Quantity: 50.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
297	TKN CCV STD 5 ppm	WP114788	09/16/2025	09/23/2025	Rubina Mughal	None	WETCHEM_PIPETTE_3 (WC)	Iwona Zarych 09/17/2025

FROM 49.75000ml of W3112 + 0.25000ml of WP112611 = Final Quantity: 50.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
296	TKN ICV STD 5 ppm	WP114789	09/16/2025	09/23/2025	Rubina Mughal	None	WETCHEM_PIPETTE_3 (WC)	Iwona Zarych 09/17/2025

FROM 49.75000ml of W3112 + 0.25000ml of WP112612 = Final Quantity: 50.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
298	TKN LCS STD 5 ppm	WP114790	09/16/2025	09/23/2025	Rubina Mughal	None	WETCHEM_PIPETTE_3 (WC)	Iwona Zarych 09/17/2025

FROM 49.75000ml of W3112 + 0.25000ml of WP112612 = Final Quantity: 50.000 ml

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Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3590	TKN LOD-MDL 0.25PPM	WP114791	09/16/2025	09/23/2025	Rubina Mughal	None	WETCHEM_PIPETTE_3 (WC)	Iwona Zarych 09/17/2025

FROM 99.50000ml of W3112 + 0.50000ml of WP114785 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
275	Ammonia Calibration Std. (2 ppm)	WP114796	09/17/2025	09/18/2025	Rubina Mughal	None	WETCHEM_PIPETTE_3 (WC)	Jignesh Parikh 09/18/2025

FROM 48.00000ml of W3112 + 2.00000ml of WP114785 = Final Quantity: 50.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
285	Ammonia CCV Std. (1 ppm)	WP114797	09/17/2025	09/18/2025	Rubina Mughal	None	WETCHEM_PIPETTE_3 (WC)	Jignesh Parikh 09/18/2025

FROM 49.00000ml of W3112 + 1.00000ml of WP114785 = Final Quantity: 50.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
286	Ammonia ICV Std. (1 ppm)	WP114798	09/17/2025	09/18/2025	Rubina Mughal	None	WETCHEM_PIPETTE_3 (WC)	Jignesh Parikh 09/18/2025

FROM 49.00000ml of W3112 + 1.00000ml of WP114786 = Final Quantity: 50.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
740	sodium nitroferricyanide for ammonia	WP114799	09/17/2025	10/17/2025	Rubina Mughal	WETCHEM_SCALE_5 (WCSC-5)	None	Jignesh Parikh 09/18/2025

FROM 0.05000gram of W2666 + 99.95000ml of W3112 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
127	BOD Dilution fluid	WP114800	09/17/2025	09/18/2025	Rubina Mughal	None	None	Jignesh Parikh 09/18/2025

FROM 18.00000L of W3112 + 3.00000PILLOW of W3233 = Final Quantity: 18.000 L

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
129	Glutamic acid-glucose mix for BOD	WP114801	09/17/2025	09/18/2025	Rubina Mughal	WETCHEM_SCALE_7 (WCSC-6)	None	Jignesh Parikh 09/18/2025

FROM 0.15000gram of W2653 + 0.15000gram of W2654 + 1000.00000ml of W3112 = Final Quantity: 1000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
128	polyseed seed control	WP114802	09/17/2025	09/18/2025	Rubina Mughal	None	None	Jignesh Parikh 09/18/2025

FROM 1.00000PILLOW of W3212 + 300.00000ml of WP114800 = Final Quantity: 300.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1103	HEX CHROME INTERMEDIATE STD SOURCE 1 (5PPM)	WP114804	09/18/2025	09/19/2025	Rubina Mughal	None	WETCHEM_PIPETTE_3 (WC)	Iwona Zarych 09/19/2025

FROM 9.00000ml of W3112 + 1.00000ml of WP113880 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
110	calibration std. hexchrome 0 ppm	WP114805	09/18/2025	09/19/2025	Rubina Mughal	None	None	Iwona Zarych 09/19/2025

FROM 100.00000ml of W3112 = Final Quantity: 100.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
109	calibration std. hexchrome 0.01 ppm	WP114806	09/18/2025	09/19/2025	Rubina Mughal	None	WETCHEM_PIPETTE_3 (WC)	Iwona Zarych 09/19/2025

FROM 99.80000ml of W3112 + 0.20000ml of WP114804 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3800	Calibration Std Hexachrome 0.025 ppm	WP114807	09/18/2025	09/19/2025	Rubina Mughal	None	WETCHEM_PIPETTE_3 (WC)	Iwona Zarych 09/19/2025

FROM 99.50000ml of W3112 + 0.50000ml of WP114804 = Final Quantity: 100.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
108	Calibration Std. hexchrome 0.05 ppm	WP114808	09/18/2025	09/19/2025	Rubina Mughal	None	WETCHEM_PIPETTE_3 (WC)	Iwona Zarych 09/19/2025

FROM 99.00000ml of W3112 + 1.00000ml of WP114804 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
107	Calibration Std. hexchrome 0.1 ppm	WP114809	09/18/2025	09/19/2025	Rubina Mughal	None	WETCHEM_PIPETTE_3 (WC)	Iwona Zarych 09/19/2025

FROM 99.80000ml of W3112 + 0.20000ml of WP113880 = Final Quantity: 100.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3808	Calibration and CCV std HexChrome 0.5PPM	WP114810	09/18/2025	09/19/2025	Rubina Mughal	None	WETCHEM_PIPETTE_3 (WC)	Iwona Zarych 09/19/2025

FROM 99.00000ml of W3112 + 1.00000ml of WP113880 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3809	Calibration std HexChrome 1.0PPM	WP114811	09/18/2025	09/19/2025	Rubina Mughal	None	WETCHEM_PIPETTE_3 (WC)	Iwona Zarych 09/19/2025

FROM 98.00000ml of W3112 + 2.00000ml of WP113880 = Final Quantity: 100.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3804	Hexavalent Chromium ICV-LCS Std	WP114812	09/18/2025	09/19/2025	Rubina Mughal	None	WETCHEM_PIPETTE_3 (WC)	Iwona Zarych 09/19/2025

FROM 99.00000ml of W3112 + 1.00000ml of WP113881 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1103	HEX CHROME INTERMEDIATE STD SOURCE 1 (5PPM)	WP114827	09/19/2025	09/20/2025	Rubina Mughal	None	WETCHEM_PIPETTE_3 (WC)	Jignesh Parikh 09/22/2025

FROM 9.00000ml of W3112 + 1.00000ml of WP113880 = Final Quantity: 10.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
110	calibration std. hexchrome 0 ppm	WP114828	09/19/2025	09/20/2025	Rubina Mughal	None	None	Jignesh Parikh 09/22/2025

FROM 100.00000ml of W3112 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
109	calibration std. hexchrome 0.01 ppm	WP114829	09/19/2025	09/20/2025	Rubina Mughal	None	WETCHEM_PIPETTE_3 (WC)	Jignesh Parikh 09/22/2025

FROM 99.80000ml of W3112 + 0.20000ml of WP114827 = Final Quantity: 100.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3800	Calibration Std Hexachrome 0.025 ppm	WP114830	09/19/2025	09/20/2025	Rubina Mughal	None	WETCHEM_PIPETTE_3 (WC)	Jignesh Parikh 09/22/2025

FROM 99.50000ml of W3112 + 0.50000ml of WP114827 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
108	Calibration Std. hexchrome 0.05 ppm	WP114831	09/19/2025	09/20/2025	Rubina Mughal	None	WETCHEM_PIPETTE_3 (WC)	Jignesh Parikh 09/22/2025

FROM 99.00000ml of W3112 + 1.00000ml of WP114827 = Final Quantity: 100.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
107	Calibration Std. hexchrome 0.1 ppm	WP114832	09/19/2025	09/20/2025	Rubina Mughal	None	WETCHEM_PIPETTE_3 (WC)	Jignesh Parikh 09/22/2025

FROM 99.80000ml of W3112 + 0.20000ml of WP113880 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3808	Calibration and CCV std HexChrome 0.5PPM	WP114833	09/19/2025	09/20/2025	Rubina Mughal	None	WETCHEM_PIPETTE_3 (WC)	Jignesh Parikh 09/22/2025

FROM 99.00000ml of W3112 + 1.00000ml of WP113880 = Final Quantity: 100.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3809	Calibration std HexChrome 1.0PPM	WP114834	09/19/2025	09/20/2025	Rubina Mughal	None	WETCHEM_PIPETTE_3 (WC)	Jignesh Parikh 09/22/2025

FROM 98.00000ml of W3112 + 2.00000ml of WP113880 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3804	Hexavalent Chromium ICV-LCS Std	WP114835	09/19/2025	09/20/2025	Rubina Mughal	None	WETCHEM_PIPETTE_3 (WC)	Jignesh Parikh 09/22/2025

FROM 99.00000ml of W3112 + 1.00000ml of WP113881 = Final Quantity: 100.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2456	COD Stock std, 1000ppm	WP114844	09/22/2025	09/29/2025	Iwona Zarych	WETCHEM_SCALE_5 (WCSC-5)	None	Jignesh Parikh 09/22/2025

FROM 0.08500gram of W3219 + 100.00000ml of W3112 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2457	COD Stock std-SS, 1000ppm	WP114845	09/22/2025	09/29/2025	Iwona Zarych	WETCHEM_SCALE_5 (WCSC-5)	None	Jignesh Parikh 09/22/2025

FROM 0.08500gram of W3169 + 100.00000ml of W3112 = Final Quantity: 100.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2458	COD CCV std, 50ppm	WP114846	09/22/2025	09/29/2025	Iwona Zarych	None	WETCHEM_PIPETTE_3 (WC)	Jignesh Parikh 09/22/2025

FROM 9.50000ml of W3112 + 0.50000ml of WP114844 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2459	COD ICV-LCS std, 50ppm	WP114847	09/22/2025	09/29/2025	Iwona Zarych	None	WETCHEM_PIPETTE_3 (WC)	Jignesh Parikh 09/22/2025

FROM 9.50000ml of W3112 + 0.50000ml of WP114845 = Final Quantity: 10.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4162	RL CHECK	WP114848	09/22/2025	09/29/2025	Iwona Zarych	None	WETCHEM_PIPETTE_3 (WC)	Jignesh Parikh 09/22/2025

FROM 9.90000ml of W3112 + 0.10000ml of WP114844 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
122	calibration std. 0 ppm	WP114888	09/25/2025	10/02/2025	Iwona Zarych	None	None	Jignesh Parikh 09/26/2025

FROM 100.00000ml of W3112 = Final Quantity: 100.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
121	calibration std. phosphate 0.05 ppm	WP114889	09/25/2025	10/02/2025	Iwona Zarych	None	WETCHEM_PIPETTE_3 (WC)	Jignesh Parikh 09/26/2025

FROM 99.90000ml of W3112 + 0.10000ml of WP112913 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
120	calibration std. phosphate 0.1 ppm	WP114891	09/25/2025	10/02/2025	Iwona Zarych	None	WETCHEM_PIPETTE_3 (WC)	Jignesh Parikh 09/26/2025

FROM 99.80000ml of W3112 + 0.20000ml of WP112913 = Final Quantity: 100.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
119	calibration std. phosphate 0.3 ppm	WP114892	09/25/2025	10/02/2025	Iwona Zarych	None	WETCHEM_PIPETTE_3 (WC)	Jignesh Parikh 09/26/2025

FROM 99.40000ml of W3112 + 0.60000ml of WP112913 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
118	calibration std. phosphate 0.5 ppm	WP114893	09/25/2025	10/02/2025	Iwona Zarych	None	WETCHEM_PIPETTE_3 (WC)	Jignesh Parikh 09/26/2025

FROM 99.00000ml of W3112 + 1.00000ml of WP112913 = Final Quantity: 100.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
117	calibration std. phosphate 1 ppm	WP114894	09/25/2025	10/02/2025	Iwona Zarych	None	WETCHEM_PIPETTE_3 (WC)	Jignesh Parikh 09/26/2025

FROM 98.00000ml of W3112 + 2.00000ml of WP112913 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3805	Phosphate ICV-LCS Std	WP114895	09/25/2025	10/02/2025	Iwona Zarych	None	WETCHEM_PIPETTE_3 (WC)	Jignesh Parikh 09/26/2025

FROM 99.00000ml of W3112 + 1.00000ml of WP112914 = Final Quantity: 100.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
124	phosphate CCV std.	WP114896	09/25/2025	10/02/2025	Iwona Zarych	None	WETCHEM_PIPETTE_3 (WC)	Jignesh Parikh 09/26/2025

FROM 99.00000ml of W3112 + 1.00000ml of WP112913 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4212	Phosphate RL CHECK	WP114897	09/25/2025	10/02/2025	Iwona Zarych	None	WETCHEM_PIPETTE_3 (WC)	Jignesh Parikh 09/26/2025

FROM 99.80000ml of W3112 + 0.20000ml of WP112913 = Final Quantity: 100.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3907	Phosphate MDL-LOD-LOQ spike solution, 5ppm	WP114898	09/25/2025	10/02/2025	Iwona Zarych	None	WETCHEM_PIPETTE_3 (WC)	Jignesh Parikh 09/26/2025

FROM 9.00000ml of W3112 + 1.00000ml of WP112913 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3814	Phosphate LOD-MDL Std 0.025ppm	WP114899	09/25/2025	10/02/2025	Iwona Zarych	None	WETCHEM_PIPETTE_3 (WC)	Jignesh Parikh 09/26/2025

FROM 99.50000ml of W3112 + 0.50000ml of WP114898 = Final Quantity: 100.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
590	Ascorbic Acid	WP114918	09/25/2025	09/26/2025	Iwona Zarych	WETCHEM_SCALE_5 (WCSC-5)	None	Jignesh Parikh 09/26/2025

FROM 0.52800gram of W3074 + 30.00000ml of W3112 = Final Quantity: 30.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
658	Combined reagent	WP114919	09/25/2025	09/26/2025	Iwona Zarych	None	Glass Pipette-A	Jignesh Parikh 09/26/2025

FROM 15.00000ml of WP113112 + 30.00000ml of WP114918 + 5.00000ml of WP113113 + 50.00000ml of WP112831 = Final Quantity: 100.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3888	TOC Water Intermediate std-200ppm	WP115031	10/02/2025	10/09/2025	Iwona Zarych	None	Glass Pipette-A	Jignesh Parikh 10/03/2025

FROM 95.00000ml of W3112 + 5.00000ml of WP114035 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3889	TOC Water Intermediate std SS-200ppm	WP115032	10/02/2025	10/09/2025	Iwona Zarych	None	Glass Pipette-A	Jignesh Parikh 10/03/2025

FROM 95.00000ml of W3112 + 5.00000ml of WP113780 = Final Quantity: 100.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
613	Phosphoric acid reagent	WP115035	10/02/2025	01/31/2026	Iwona Zarych	None	None	Jignesh Parikh 10/03/2025

FROM 150.00000ml of W3112 + 50.00000ml of W2860 = Final Quantity: 200.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
304	TOC CAL 0.00ppm	WP115042	10/03/2025	10/10/2025	Iwona Zarych	None	None	Jignesh Parikh 10/09/2025

FROM 100.00000ml of W3112 = Final Quantity: 100.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
305	TOC CAL 0.5ppm	WP115043	10/03/2025	10/10/2025	Iwona Zarych	None	WETCHEM_PIPETTE_3 (WC)	Jignesh Parikh 10/09/2025

FROM 99.75000ml of W3112 + 0.25000ml of WP115031 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
306	TOC CAL 1.0PPM	WP115044	10/03/2025	10/10/2025	Iwona Zarych	None	WETCHEM_PIPETTE_3 (WC)	Jignesh Parikh 10/09/2025

FROM 99.50000ml of W3112 + 0.50000ml of WP115031 = Final Quantity: 100.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
307	TOC CAL 2.0PPM	WP115045	10/03/2025	10/10/2025	Iwona Zarych	None	WETCHEM_PIPETTE_3 (WC)	Jignesh Parikh 10/09/2025

FROM 99.00000ml of W3112 + 1.00000ml of WP115031 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
308	TOC CAL 5.0PPM	WP115046	10/03/2025	10/10/2025	Iwona Zarych	None	WETCHEM_PIPETTE_3 (WC)	Jignesh Parikh 10/09/2025

FROM 97.50000ml of W3112 + 2.50000ml of WP115031 = Final Quantity: 100.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3331	TOC CAL-CCV std, 10PPM	WP115047	10/03/2025	10/10/2025	Iwona Zarych	None	Glass Pipette-A	Jignesh Parikh 10/09/2025

FROM 190.00000ml of W3112 + 10.00000ml of WP115031 = Final Quantity: 200.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
310	TOC CAL 20.0PPM	WP115048	10/03/2025	10/10/2025	Iwona Zarych	None	Glass Pipette-A	Jignesh Parikh 10/09/2025

FROM 90.00000ml of W3112 + 10.00000ml of WP115031 = Final Quantity: 100.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1650	TOC ICV/LCS STD. 10PPM	WP115049	10/03/2025	10/10/2025	Iwona Zarych	None	Glass Pipette-A	Jignesh Parikh 10/09/2025

FROM 190.00000ml of W3112 + 10.00000ml of WP115032 = Final Quantity: 200.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3887	Inorganic carbon solution, 20ppm	WP115050	10/03/2025	10/10/2025	Iwona Zarych	None	Glass Pipette-A	Jignesh Parikh 10/09/2025

FROM 49.00000ml of W3112 + 1.00000ml of WP113500 = Final Quantity: 50.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4003	Solution A	WP115051	10/03/2025	04/03/2026	Iwona Zarych	WETCHEM_SCALE_5 (WCSC-5)	None	Jignesh Parikh 10/09/2025

FROM 1000.00000ml of W3112 + 2.56500gram of W3167 = Final Quantity: 1000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4004	Solution B	WP115052	10/03/2025	04/03/2026	Iwona Zarych	WETCHEM_SCALE_5 (WCSC-5)	None	Jignesh Parikh 10/09/2025

FROM 0.28100gram of M5501 + 0.28300gram of W2685 + 0.59400gram of W3196 + 1000.00000ml of W3112 + 2.05000gram of W3235 = Final Quantity: 1000.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4005	Solution C	WP115053	10/03/2025	11/30/2025	Iwona Zarych	WETCHEM_SCALE_5 (WCSC-5)	None	Jignesh Parikh 10/09/2025

FROM 0.70500gram of W3016 + 1000.00000ml of W3112 + 2.80600gram of W2647 = Final Quantity: 1000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4006	Solution D	WP115054	10/03/2025	04/03/2026	Iwona Zarych	WETCHEM_SCALE_5 (WCSC-5)	None	Jignesh Parikh 10/09/2025

FROM 1.86200gram of W3183 + 1000.00000ml of W3112 = Final Quantity: 1000.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4007	IC-removal check solution	WP115055	10/03/2025	10/10/2025	Iwona Zarych	None	WETCHEM_PIPETTE_3 (WC)	Jignesh Parikh 10/09/2025

FROM 0.04000ml of M6186 + 10.00000ml of WP115051 + 10.00000ml of WP115052 + 10.00000ml of WP115053 + 10.00000ml of WP115054 = Final Quantity: 40.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3407	Acidity-Alkalinity Stock Std(-+2500PPM)	WP115069	10/06/2025	10/13/2025	Iwona Zarych	WETCHEM_SCALE_5 (WCSC-5)	None	Jignesh Parikh 10/09/2025

FROM 0.62500gram of W3163 + 249.40000ml of W3112 = Final Quantity: 250.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
293	alkalinity LCSW 50 ppm	WP115070	10/06/2025	10/13/2025	Iwona Zarych	None	Glass Pipette-A	Jignesh Parikh 10/09/2025

FROM 196.00000ml of W3112 + 4.00000ml of WP115069 = Final Quantity: 200.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3700	Sulfate Calibration std, 0ppm	WP115073	10/07/2025	10/14/2025	Rubina Mughal	None	None	Iwona Zarych 10/08/2025

FROM 100.00000ml of W3112 = Final Quantity: 100.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3705	Sulfate Calibration std, 5ppm	WP115074	10/07/2025	10/14/2025	Rubina Mughal	None	WETCHEM_PIPETTE_3 (WC)	Iwona Zarych 10/08/2025

FROM 99.50000ml of W3112 + 0.50000ml of WP113669 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3701	Sulfate Calibration std, 10ppm	WP115075	10/07/2025	10/14/2025	Rubina Mughal	None	WETCHEM_PIPETTE_3 (WC)	Iwona Zarych 10/08/2025

FROM 99.00000ml of W3112 + 1.00000ml of WP113669 = Final Quantity: 100.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3698	Sulfate Calibration std, 15ppm	WP115076	10/07/2025	10/14/2025	Rubina Mughal	None	WETCHEM_PIPETTE_3 (WC)	Iwona Zarych 10/08/2025

FROM 98.50000ml of W3112 + 0.50000ml of WP113669 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3702	Sulfate Calibration std, 20ppm	WP115077	10/07/2025	10/14/2025	Rubina Mughal	None	WETCHEM_PIPETTE_3 (WC)	Iwona Zarych 10/08/2025

FROM 98.00000ml of W3112 + 2.00000ml of WP113669 = Final Quantity: 100.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3699	Sulfate Calibration std, 25ppm	WP115078	10/07/2025	10/14/2025	Rubina Mughal	None	WETCHEM_PIPETTE_3 (WC)	Iwona Zarych 10/08/2025

FROM 97.50000ml of W3112 + 2.50000ml of WP113669 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3703	Sulfate Calibration std, 30ppm	WP115079	10/07/2025	10/14/2025	Rubina Mughal	None	WETCHEM_PIPETTE_3 (WC)	Iwona Zarych 10/08/2025

FROM 97.00000ml of W3112 + 3.00000ml of WP113669 = Final Quantity: 100.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3706	Sulfate Calibration std, 35ppm	WP115080	10/07/2025	10/14/2025	Rubina Mughal	None	WETCHEM_PIPETTE_3 (WC)	Iwona Zarych 10/08/2025

FROM 96.50000ml of W3112 + 3.50000ml of WP113669 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3704	Sulfate Calibration std, 40ppm	WP115081	10/07/2025	10/14/2025	Rubina Mughal	None	WETCHEM_PIPETTE_3 (WC)	Iwona Zarych 10/08/2025

FROM 96.00000ml of W3112 + 4.00000ml of WP113669 = Final Quantity: 100.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
360	sulfate ICV 20ppm	WP115082	10/07/2025	10/14/2025	Rubina Mughal	None	WETCHEM_PIPETTE_3 (WC)	Iwona Zarych 10/08/2025

FROM 98.00000ml of W3112 + 2.00000ml of WP112989 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
359	sulfate CCV 20ppm	WP115083	10/07/2025	10/14/2025	Rubina Mughal	None	WETCHEM_PIPETTE_3 (WC)	Iwona Zarych 10/08/2025

FROM 98.00000ml of W3112 + 2.00000ml of WP113669 = Final Quantity: 100.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3415	Sulfate LCS std, 20ppm	WP115084	10/07/2025	10/14/2025	Rubina Mughal	None	WETCHEM_PIPETTE_3 (WC)	Iwona Zarych 10/08/2025

FROM 98.00000ml of W3112 + 2.00000ml of WP112989 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1167	hydrazine sulfate solution 1	WP115124	10/08/2025	11/08/2025	Iwona Zarych	WETCHEM_SCALE_5 (WCSC-5)	None	Jignesh Parikh 10/27/2025

FROM 1.00000gram of W3078 + 99.00000ml of W3112 = Final Quantity: 100.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1843	HEXAMETHYLENETETRAMINE SOLUTION 1	WP115125	10/08/2025	11/08/2025	Iwona Zarych	WETCHEM_SCALE_5 (WCSC-5)	None	Jignesh Parikh 10/27/2025

FROM 10.00000gram of W3081 + 90.00000ml of W3112 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1102	Formazin turbidity 400 NTU suspension	WP115126	10/08/2025	11/08/2025	Iwona Zarych	None	WETCHEM_PIPETTE_3 (WC)	Jignesh Parikh 10/27/2025

FROM 90.00000ml of W3112 + 50.00000ml of WP115124 + 50.00000ml of WP115125 = Final Quantity: 100.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3713	Turbidity Calibration std, 0NTU	WP115127	10/09/2025	10/10/2025	Iwona Zarych	None	None	Jignesh Parikh 10/27/2025

FROM 100.00000ml of W3112 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3718	Turbidity Calibration std, 40NTU	WP115128	10/09/2025	10/10/2025	Iwona Zarych	None	Glass Pipette-A	Jignesh Parikh 10/27/2025

FROM 90.00000ml of W3112 + 10.00000ml of WP115126 = Final Quantity: 100.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3714	Turbidity Calibration std, 20NTU	WP115129	10/09/2025	10/10/2025	Iwona Zarych	None	Glass Pipette-A	Jignesh Parikh 10/27/2025

FROM 95.00000ml of W3112 + 5.00000ml of WP115126 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3807	Turbidity Calibration - CCV std, 10 NTU	WP115130	10/09/2025	10/10/2025	Iwona Zarych	None	Glass Pipette-A	Jignesh Parikh 10/27/2025

FROM 97.50000ml of W3112 + 2.50000ml of WP115126 = Final Quantity: 100.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3722	Turbidity Calibration std, 5NTU	WP115131	10/09/2025	10/10/2025	Iwona Zarych	None	Glass Pipette-A	Jignesh Parikh 10/27/2025

FROM 87.50000ml of W3112 + 12.50000ml of WP115128 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3720	Turbidity Calibration std, 1NTU	WP115132	10/09/2025	10/10/2025	Iwona Zarych	None	Glass Pipette-A	Jignesh Parikh 10/27/2025

FROM 97.50000ml of W3112 + 2.50000ml of WP115128 = Final Quantity: 100.000 ml

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Wet Chemistry STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3715	Turbidity Calibration std, 0.5NTU	WP115133	10/09/2025	10/10/2025	Iwona Zarych	None	Glass Pipette-A	Jignesh Parikh 10/27/2025

FROM 97.50000ml of W3112 + 2.50000ml of WP115129 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1998	TURBIDITY LOD STD, 0.5NTU	WP115134	10/09/2025	10/10/2025	Iwona Zarych	None	Glass Pipette-A	Jignesh Parikh 10/27/2025

FROM 5.00000ml of W3116 + 95.00000ml of W3112 = Final Quantity: 100.000 ml

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	417203	07/28/2026	07/28/2025 / RUPESH	01/29/2025 / Rajesh	E3875

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	10/03/2025	04/03/2025 / Rajesh	03/31/2025 / Rajesh	E3917

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	05/24/2027	08/22/2025 / RUPESH	08/20/2025 / RUPESH	E3965

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-3624-05 / Sodium Chloride, Crystal (cs/4x2.5kg)	0000281938	07/06/2026	07/24/2023 / mohan	04/14/2023 / mohan	M5501

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-3624-05 / Sodium Chloride, Crystal (cs/4x2.5kg)	0000281938	07/06/2026	04/30/2024 / mohan	04/25/2024 / mohan	M5884

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9673-33 / Sulfuric Acid, Instra-Analyzed (cs/6c2.5L)	23D2462010	03/20/2028	08/16/2024 / mohan	08/16/2024 / mohan	M6041

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	140440 / TEST PAPERS,PH,0-2.5,.2SENSI, 100PK	80A0441	02/29/2028	09/03/2024 / jignesh	08/19/2024 / Jaswal	M6069

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9530-33 / Hydrochloric Acid, Instra-Analyzed (cs/6x2.5L)	22G2862015	02/17/2026	02/18/2025 / Sagar	01/15/2025 / Sagar	M6151

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9673-33 / Sulfuric Acid, Instra-Analyzed (cs/6c2.5L)	23D2462010	07/12/2026	08/13/2025 / Sagar	08/06/2025 / Sagar	M6186

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9598-34 / Nitric Acid, Instra-Analyzed (cs/4x2.5L)	24H0162012	01/28/2026	08/29/2025 / Sagar	08/08/2025 / Sagar	M6187

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
VWR Scientific	102572-606 / N-(1-Naphthyl)ethylene diamine dihydrochloride, 100 gms	00815-1734-1015-	04/22/2026	04/22/2016 / apatel	04/22/2016 / apatel	W2103

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	97062-260 / POTASSIUM FERRICYANIDE ACS GRADE 500G	1136C335	03/01/2027	03/01/2017 / apatel	02/28/2017 / apatel	W2211

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	A1561-500GM / POTASSIUM ANTIMONY TARTRATE TRIHYDRATE, 500G	2GH0057	12/11/2027	12/11/2017 / apatel	12/11/2017 / apatel	W2306

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	J3506-5 / SODIUM BICARBONATE, PWD, ACS, 2.5KG	0000240594	06/03/2026	02/24/2020 / AMANDEEP	01/20/2020 / apatel	W2647

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	J2870-1 / PHENOLPHTHALEIN, INDICATOR F/TITRATION, 500G	0000235350	06/04/2025	01/31/2020 / AMANDEEP	01/20/2020 / apatel	W2650

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	AA13450-36 / Potassium Dichromate, 500g(NEW)	T15F019	01/24/2030	01/24/2020 / apatel	01/24/2020 / apatel	W2651

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	P188-500 / Potassium Dichromate, 500g(new-2nd lot)	194664	01/24/2030	01/24/2020 / apatel	01/24/2020 / apatel	W2652

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	AC156212500 / GLUTAMIC ACID BIOCHEM REG, 250G	A0405990	01/24/2030	01/24/2020 / apatel	01/24/2020 / apatel	W2653

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	D16-500 / DEXTROSE ANHYDROUS ACS REAGENT, 500G(New)	186122A	01/24/2030	01/24/2020 / apatel	01/24/2020 / apatel	W2654

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	P1060-10 / PHENOL, ACS, 500G	2HD0179	01/27/2030	01/27/2020 / apatel	01/27/2020 / apatel	W2663

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	J07716-1 / Ammonium Molybdate 500G	0000234410	02/11/2026	02/10/2020 / AMANDEEP	01/31/2020 / apatel	W2664

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	87683 / Sodium Nitroferricyanide 250g	W12F013	02/10/2030	02/10/2020 / apatel	02/10/2020 / apatel	W2666

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	J3818-5 / SODIUM PHOSPHATE, MONOBAS/HYD, CRYS, ACS, 2.5 KG	0000225799	12/03/2025	04/05/2021 / Alexander	02/10/2020 / apatel	W2668

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	J3040-1 / POTASSIUM CHLORIDE, CRYS, ACS, 500G	0000250362	10/23/2026	02/20/2020 / AMANDEEP	02/20/2020 / apatel	W2685

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC16721-3 / Isopropanol, 99%	C20F23007	06/30/2025	12/30/2020 / apatel	12/30/2020 / apatel	W2788

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	AA32641-06 / BROMOPHENOL BLUE ACS 5G	W2AG026	01/29/2026	01/29/2021 / apatel	01/29/2021 / apatel	W2797

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	AC410985000 / Glycerin, Anhydrous, 500 ml	B0541750B	10/31/2025	03/29/2021 / apatel	03/29/2021 / apatel	W2812

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	A12244 / Stearic acid, 98%, 100 g	U20E006	04/02/2026	04/02/2021 / apatel	04/02/2021 / apatel	W2817

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	P1060-10 / PHENOL, ACS, 500G	M13H048	01/07/2026	07/07/2021 / apatel	07/07/2021 / apatel	W2858

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	J0260-3 / Phosphoric Acid, 2.5 L	0000278313	01/31/2026	07/12/2021 / apatel	07/12/2021 / apatel	W2860

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	H223-57 / Hexadecane, 99.0%	0000266903	05/04/2027	09/07/2021 / apatel	08/26/2021 / apatel	W2871

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	J4296-1 / ZINC ACETATE,DIHYD,CRYS,ACS,500G	383058	07/05/2027	07/05/2022 / ketankumar	07/05/2022 / ketankumar	W2926

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	31390 / 1,5-Diphenylcarbazide	MKCR6636	12/09/2027	12/09/2022 / lwona	12/09/2022 / lwona	W2979

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	J3278-5 / Potassium Sulfate, 2.5 Kgs	SLCM9788	11/21/2027	11/21/2022 / lwona	11/21/2022 / lwona	W2983

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	7372-12 / Sodium Acetate, Anhydrous	MKCR6583	04/30/2026	12/12/2022 / lwona	12/12/2022 / lwona	W2984

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	H223-57 / Hexadecane, 99.0%	SHBP8192	02/27/2028	02/27/2023 / lwona	02/27/2023 / lwona	W3009

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
EPA	/ ICV-CN	ICV6-400	12/31/2025	01/08/2025 / Iwona	02/20/2020 / Iwona	W3012

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
SIGMA ALDRICH	S9390-100G / Sodium phosphate dibasic heptahydrate	SLCP6576	11/30/2025	04/03/2023 / Iwona	04/03/2023 / Iwona	W3016

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
SIGMA ALDRICH	270970-1L / Pyridine 1L	SHBQ2113	04/03/2028	04/03/2023 / Iwona	04/03/2023 / Iwona	W3019

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	BDH0214-500G / Ammonium Persulfate Crystal, 500g	MKCR9319	06/30/2028	03/05/2024 / Iwona	06/06/2023 / Iwona	W3035

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	LC136757 / S-DIPHENYLCARBAZONE 10G	43031219	08/09/2028	08/09/2023 / Iwona	08/09/2023 / Iwona	W3049

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	EM-SX0761-1 / SODIUM SULFATE ANHY POWDER 500GM	SLCP7811	11/30/2025	10/16/2023 / Iwona	09/14/2023 / Iwona	W3055

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	EM-SX0395-3 / SODIUM CARBONATE ANHYDR 2.5KG	2023012653	10/19/2028	09/03/2024 / jignesh	10/19/2023 / Iwona	W3058

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	J0938-7 / Ascorbic Acid, 500 gms	MKCS4627	09/30/2025	01/16/2024 / Iwona	01/16/2024 / Iwona	W3074

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	J2177-1 / Hydrazine sulfate, 500 gms	BCCK9980	10/13/2028	01/26/2024 / Iwona	01/26/2024 / Iwona	W3078

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	04667-2.5 / Silica Gel (60-200 mesh), 2.5 KG	072154301	01/30/2029	05/07/2024 / jignesh	01/30/2024 / jignesh	W3079

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	AA36462-36 / hexamethylenetetramine	M02K021	01/02/2027	02/26/2024 / Iwona	02/26/2024 / Iwona	W3081

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	A12244 / Stearic acid, 98%, 100 g	U23E020	02/26/2029	02/26/2024 / Iwona	02/26/2024 / Iwona	W3082

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	123260-100G / Sulfanilamide, 100 gms	50091180	06/30/2028	02/26/2024 / Iwona	02/26/2024 / Iwona	W3083

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	566002 / BUFFER PH 7.00 GREEN 1PINT PK6	44001f99	12/31/2025	04/03/2024 / jignesh	04/02/2024 / jignesh	W3093

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	4740-16 / Mercuric Nitrate, 0.141 N, 500ml	4403N69	03/31/2026	09/18/2024 / Iwona	04/09/2024 / Iwona	W3095

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	4620-32 / MANGANOUS SULFATE SOLUTION-364	2403J02	03/31/2026	04/22/2024 / Iwona	04/22/2024 / Iwona	W3103

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	AL69870-8 / SODIUM THIOSULFATE,0.025N,4LITRE	4403S13	09/30/2025	04/22/2024 / Iwona	04/22/2024 / Iwona	W3105

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	AL04100-4 / Alkaline Iodide Azide, 1 L	1405D67	04/30/2026	05/23/2024 / Iwona	05/23/2024 / Iwona	W3109

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / Iwona	07/03/2024 / Iwona	W3112

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19510-7 / Sodium Hydroxide Pellets 12 Kg	23B1556310	12/31/2025	07/08/2024 / Iwona	07/08/2024 / Iwona	W3113

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
HACH	2659949 / 10 NTU Standard 500 ml	A4151	05/30/2026	07/12/2024 / Iwona	07/12/2024 / Iwona	W3116

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
ULTRA Scientific	PANAL0100 / Potassium Nitrate	50082064	11/30/2027	07/12/2024 / Iwona	07/12/2024 / Iwona	W3119

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
ULTRA Scientific	PANAL0100 / Potassium Nitrate	50082064	11/30/2027	07/12/2024 / Iwona	07/12/2024 / Iwona	W3119

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
HACH	14268-10 / Chlorine Std, Pk of 16	A4144	01/31/2026	07/25/2024 / Iwona	07/25/2024 / Iwona	W3130

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
HACH	14268-10 / Chlorine Std, Pk of 16	A4166	02/28/2026	07/25/2024 / Iwona	07/25/2024 / Iwona	W3131

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC05050-1 / EDTA, disodium salt, dihydrate 1 lb	2ND0156	07/10/2026	07/26/2024 / Iwona	07/26/2024 / Iwona	W3132

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	140476 / Test Paper,PH Short Range 9.0/10.0	L23	08/22/2029	08/22/2024 / Iwona	08/22/2024 / Iwona	W3133

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	JTE494-6 / CHLORAMINE-T BAKER 250GM	10239484	09/09/2029	09/09/2024 / Iwona	09/09/2024 / Iwona	W3139

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	140444 / TEST PAPERS,PH 0-14,.5 SENSI,100PK	10D0142	09/17/2029	09/17/2024 / Iwona	09/17/2024 / Iwona	W3140

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	J9721-3 / Ammonium Hydroxide, 2.5 L	431110	11/30/2025	09/18/2024 / Iwona	09/18/2024 / Iwona	W3141

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
HACH	14064-99 / Total Chlorine Powder Pillows	A4230	08/31/2029	10/01/2024 / Iwona	10/01/2024 / Iwona	W3147

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	J3946-1 / Sodium Thiosulfate Pentahydrate, 500 gms	MKCW3077	07/31/2029	10/07/2024 / Iwona	10/07/2024 / Iwona	W3148

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	AL70850-8 / Starch Solution, 4L	4408P62	08/31/2026	10/16/2024 / Iwona	10/16/2024 / Iwona	W3149

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	AL74050-8 / SULFURIC ACID, 0.02N, 4L	235420	03/31/2029	11/04/2024 / Iwona	11/04/2024 / Iwona	W3150

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	01237-10KG / Megnasium Chloride Hexahydrate ACS 10KG	002126-2019-201	11/25/2029	11/25/2024 / Iwona	11/25/2024 / Iwona	W3152

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	140730 / TEST PAPER,POT.IOD-STRCH,PK100,CS12	14-860	12/02/2029	12/02/2024 / Iwona	12/02/2024 / Iwona	W3155

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	EM-SX0395-3 / SODIUM CARBONATE ANHYDR 2.5KG	24E3156178	09/30/2027	12/10/2024 / Iwona	12/10/2024 / Iwona	W3163

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	J2500-1 / MAGNESIUM SULFATE 7-HYDRATE CRYSTALS 500G	24J2856877	05/29/2027	01/03/2025 / Iwona	01/03/2025 / Iwona	W3167

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	P243-500 / Potassium Hydrogen Phthalate, 500 gms	24H0956262	04/28/2026	01/03/2025 / Iwona	01/03/2025 / Iwona	W3169

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	JA630-5 / 4-aminoanti pyrine, 100 gm	50107308	07/31/2028	01/24/2025 / Iwona	01/24/2025 / Iwona	W3176

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	AL14055-3 / PH 4 BUFFER SOLUTION	2411A93	10/30/2026	04/01/2025 / JIGNESH	01/27/2025 / jignesh	W3178

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	300-CAL-A-500ML / 300.0 Calibration Standard, 500 ml	V2-MEB742616	02/19/2026	02/19/2025 / Iwona	01/27/2025 / Iwona	W3180

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	470112-662 / TEST STRIPES, NITRATE/NITRITE, PK50	436101	04/30/2027	08/05/2025 / Iwona	02/26/2025 / Iwona	W3182

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
SIGMA ALDRICH	S4392-250G / Sodium metasilicate nonahydrate	SLCM8472	01/31/2028	10/03/2025 / Iwona	03/06/2025 / Iwona	W3183

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-3382-05 / Sand, Purified (cs/4x2.5kg)	25A2756718	12/31/2028	03/10/2025 / Iwona	03/10/2025 / Iwona	W3186

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	J3910-1 / Sodium Sulfide, 500 g	250330	06/30/2026	07/10/2025 / Iwona	03/17/2025 / Iwona	W3190

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	1601-1 / PH 10.01 BUFFER,COLOR CD 475ML	2410F80	03/31/2026	04/01/2025 / JIGNESH	03/13/2025 / jignesh	W3191

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	J0660-1 / AMMONIUM CHLORIDE, ACS, 500G	24L0356561	08/31/2027	03/19/2025 / Iwona	03/19/2025 / Iwona	W3195

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	J0660-1 / AMMONIUM CHLORIDE, ACS, 500G	MKCV1009	09/30/2026	03/19/2025 / Iwona	03/19/2025 / Iwona	W3196

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	300-CAL-A-500ML / 300.0 Calibration Standard, 500 ml	040525	04/05/2027	04/08/2025 / Iwona	04/08/2025 / Iwona	W3197

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	J3246-1 / POTAS PHOSPHATE, MONO, CRYS, ACS, 500G	MKCW6723	10/31/2028	04/11/2025 / Iwona	04/11/2025 / Iwona	W3198

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	0330-500G / Cupric Sulfate Pentahydrate	24H0956271	05/31/2027	04/11/2025 / Iwona	04/11/2025 / Iwona	W3199

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	J3568-1 / Sodium Borate, 500 gms	BCCL9613	05/31/2029	04/16/2025 / Iwona	04/16/2025 / Iwona	W3201

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	EM-BX0035-3 / Barbituric Acid, 100 gms	WXBF3271V	05/16/2029	04/21/2025 / Iwona	04/21/2025 / Iwona	W3203

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	25c0362005	04/30/2026	04/22/2025 / jignesh	04/18/2025 / jignesh	W3204

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC01050-3 / ACETIC ACID, GLACIAL, ACS, 2.5L	540404	04/30/2026	04/22/2025 / jignesh	04/17/2025 / jignesh	W3205

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	J3246-1 / POTAS PHOSPHATE, MONO, CRYS, ACS, 500G	MKCX1379	01/31/2029	04/29/2025 / Iwona	04/29/2025 / Iwona	W3206

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	136742-80 / POLYSEED	132409	09/30/2026	05/21/2025 / Iwona	05/21/2025 / Iwona	W3212

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	AL35830-4 / IODINE SOLUTION .025N 1L	MK25A21527	01/20/2029	05/21/2025 / Iwona	05/21/2025 / Iwona	W3213

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	RC2543-4 / CYANIDE STD 1000PPM 4OZ	1505H73	11/30/2025	05/21/2025 / Iwona	05/21/2025 / Iwona	W3214

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	140444 / TEST PAPERS,PH 0-14,.5 SENSI,100PK	10D3242	12/31/2028	06/09/2025 / Iwona	06/09/2025 / Iwona	W3215

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	AL14455-3 / buffer solution pH 7 yellow	2504D34	03/31/2027	07/02/2025 / jignesh	06/26/2025 / Iwona	W3217

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC16721-3 / Isopropanol, 99%	25C1161072	03/04/2029	06/26/2025 / Iwona	06/26/2025 / Iwona	W3218

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	P243-500 / Potassium Hydrogen Phthalate, 500 gms	2025040493	06/30/2030	06/26/2025 / Iwona	06/26/2025 / Iwona	W3219

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	EMD-FX0410-5 / FORMALDEHYDE SOLUTION 450ML	MKCW7614	12/31/2026	06/26/2025 / Iwona	06/26/2025 / Iwona	W3220

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	J9416-1 / Sodium Hypochlorite 500 ml	2506M51	12/31/2025	07/02/2025 / Iwona	07/02/2025 / Iwona	W3222

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	LC135457 / Cyanide Standard, 1000 PPM, Second Source	45060288	12/24/2025	07/07/2025 / Iwona	07/07/2025 / Iwona	W3224

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Environmental Express LTD	B1010 / COD Digestion Vials Low Level 0-150Mg/L	5GE0517	05/31/2030	08/28/2025 / Eman	07/11/2025 / Iwona	W3229

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
HACH	1486266 / BOD Nutrient Buffer Pillows, 6 mL concentrate to make 6 L, 50/pk	A5105	05/31/2030	08/14/2025 / rubina	07/21/2025 / Iwona	W3233

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
SIGMA ALDRICH	C7902-500G / Calcium chloride dihydrate - 500G	0000440940	12/31/2027	07/29/2025 / Iwona	07/29/2025 / Iwona	W3235

Chem-Impex International, Inc.

Tel: (630) 766-2112
Fax: (630) 766-2218
E-mail: sales@chemimpex.com
Web site: www.chemimpex.com
Shipping and Correspondence:
935 Dillon Drive
Wood Dale, IL 60191
Manufacturing site:
825 Dillon Drive
Wood Dale, IL 60191

Certificate of Analysis

Catalogue Number	00222
Lot Number	000815-1734-1015-1
Product	***N*-(1-Naphthyl)ethylenediamine dihydrochloride** NED•2HCl 2-(1-Naphthylamino)ethylamine dihydrochloride
CAS Number	1465-25-4
Molecular Formula	$C_{12}H_{14}N_2$•2HCl
Molecular Weight	259.18

Appearance	Off-white powder
Solubility	Passes test (Clear solution, 1g/50 mL Water)
Water Content (Karl Fisher)	1.13%
Sensitivity	Passes test (Sulfanilamide)
Infrared Spectrum	Conforms to structure
Assay by titration	99.68% (Anhydrous basis)
Grade	ACS reagent
Application	Determination of sulfanilamide
Storage	Store at RT
Remarks	See material safety data sheet for additional information For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier

Bala Kumar
Quality Control Manager

CERTIFICATE OF ANALYSIS

Printed: 12/8/2017

Customer No : 30017 **Customer :** PCI SCIENTIFIC **Customer PO :** 6035343

Order Number : 3008126 **Delivery # :** 58495347

Catalog : A1561 Potassium Antimony Tartrate Trihydrate, Reagent, ACS **Lot :** 2GH0057

W2306
Received
12/11/17
RP

Chemical Formula : $C_8H_4K_2O_{12}Sb_2.3H_2O$ **Formula Weight :** 667.87

CAS# : 28300-74-5

Test	Limit Min.	Limit Max.	Results
ASSAY ($C_8H_4K_2O_{12}Sb_2.3HO$)	99.0	103.0 %	101.0 %
TITRATABLE ACID OR BASE	--	0.020 meq/g	<0.020 meq/g
LOSS ON DRYING	--	2.7 %	<2.7 %
ARSENIC (As)	--	0.015 %	<0.015 %
APPEARANCE			WHITE POWDER
DATE OF MANUFACTURE			29-DEC-2015

All pharmaceutical ingredients are tested using current edition of applicable pharmacopeia.

Read and understand label and MSDS/SDS before handling any chemical. All Spectrum's chemicals are for manufacturing, processing, repacking or research purposes by experienced personnel only. The customer must ensure to provide its users adequate hazardous material training and appropriate protective gears before handling our chemicals.

Certificate of Analysis Results Certified By:

Ibad Tirmizi
Director, Quality Assurance, Quality Control
New Brunswick, NJ 08901

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ISO 13485 CERTIFIED

AMRESCO LLC
28600 Fountain Parkway
Solon, Ohio USA 44139
440/349-1199 FAX: 440/349-1182
www.amresco-inc.com
Email: info@amresco-inc.com

CERTIFICATE OF QUALITY / CERTIFICATE OF ANALYSIS

Potassium Ferricyanide

Code: **0713**

Chemical Formula:	K3Fe(CN)6	Manufacture Date:	(batch specific)
Molecular Weight:	329.25	Expiration/Reassay Date:	(batch specific)
CAS #:	13746-66-2		
Appearance:		Storage:	
Dark orange crystals		Grade:	ACS GRADE

Additional Information

TEST	SPECIFICATION	DISPOSITION
Chloride	<= 0.01 %	PASS
Ferro Compounds	<= 0.05 %	PASS
Insolubles	<= 0.005 %	PASS
Purity	>= 99.0 %	PASS
Sulfate	<= 0.01 %	PASS

Spec Set: 0713ACS

Analysis may have been rounded to significant digits in specification limits.

Product meets analytical specifications of the grades listed.

Internal ID #: 269

Signature: _____ **Date Printed:** 03/09/2016

Title:

W2651 Received on 1/24/2020 by AP

ThermoFisher SCIENTIFIC

Certificate of Analysis

Product No.: 13450

Product: Potassium dichromate, ACS, 99.0% min

Lot No.: T15F019

Test	Limits	Results
Appearance	Orange-red crystals	Orange-red crystals
Identification	To Pass	Passes
Purity	99.0 % min	99.67 %
Insoluble matter	0.005 % max	0.004 %
Loss on drying	0.05 % max	0.03 %
Chloride	0.001 % max	< 0.001 %
Sulfate	0.005 % max	< 0.005 %
Iron	0.001 % max	< 0.001 %
Calcium	0.003 % max	0.0012 %
Sodium	0.02 % max	0.0047 %

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This is to certify that units of the lot number above were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Thermo Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to humans or animals. It is the responsibility of the purchaser, formulator or those performing further manufacturing to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The above information is the actual analytical results obtained.

W2664 Received on 01/31/2020 by AP

Ammonium Molybdate, 4-Hydrate, Crystal
BAKER ANALYZED® A.C.S. Reagent

(ammonium heptamolybdate, tetrahydrate)

Material No.: 0716-01
Batch No.: 0000234410
Manufactured Date: 2019/02/13
Retest Date: 2026/02/11
Revision No: 1

Certificate of Analysis

Meets ACS Reagent Chemical Requirements,

Test	Specification	Result
Assay (as MoO_3)	81.0 - 83.0 %	81.4
ACS - Insoluble Matter	<= 0.005 %	< 0.001
Chloride (Cl)	<= 0.002 %	< 0.002
Nitrate (NO_3)	Passes Test	PT
Arsenate, Phosphate and Silicate (as SiO_2)	<= 0.001 %	< 0.001
ACS - Phosphate (PO_4)	<= 5 ppm	< 5
Sulfate (SO_4)	<= 0.02 %	< 0.02
Heavy Metals (as Pb)	<= 0.001 %	< 0.001
Magnesium (Mg)	<= 0.005 %	< 0.001
Potassium (K)	<= 0.01 %	< 0.01
Sodium (Na)	<= 0.01 %	<0.001

For Laboratory, Research or Manufacturing Use
Meets Reagent Specifications for testing USP/NF monographs

Country of Origin: US
Packaging Site: Paris Mfg Ctr & DC

Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

W2650 Received on 01/20/2020 by AP

Phenolphthalein, Powder
BAKER ANALYZED® A.C.S. Reagent

Material No.: 2870-01
Batch No.: 0000235350
Manufactured Date: 2018/06/06
Retest Date: 2025/06/04
Revision No: 1

Certificate of Analysis

Meets ACS Reagent Chemical Requirements,

Test	Specification	Result
ACS - Clarity of Solution	Passes Test	PT
Visual Transition Interval - pH...8.0 (Colorless)	Passes Test	PT
Visual Transition Interval - pH...10.0 (Red)	Passes Test	PT

For Laboratory, Research or Manufacturing Use

Country of Origin: CN
Packaging Site: Paris Mfg Ctr & DC

Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

W2647 Received on 01/20/2020 by AP

Sodium Bicarbonate, Powder
BAKER ANALYZED® A.C.S. Reagent

(sodium hydrogen carbonate)

Material No.: 3506-05
Batch No.: 0000240594
Manufactured Date: 2019/06/05
Retest Date: 2026/06/03
Revision No: 1

Certificate of Analysis

Meets ACS Reagent Chemical Requirements,

Test	Specification	Result
Assay ($NaHCO_3$) (dried basis)	99.7 - 100.3 %	100.1
Insoluble Matter	<= 0.015 %	< 0.002
Chloride (Cl)	<= 0.003 %	0.003
Phosphate (PO_4)	<= 0.001 %	0.001
Sulfur Compounds (as SO_4)	<= 0.003 %	0.003
Calcium (Ca)	<= 0.02 %	0.02
Trace Impurities - Iron (Fe)	<= 0.001 %	0.001
Magnesium (Mg)	<= 0.005 %	0.005
Potassium (K)	<= 0.005 %	0.005
Ammonium (NH_4)	<= 5 ppm	5
Trace Impurities - ACS - Heavy Metals (as Pb)	<= 5 ppm	5

For Laboratory, Research or Manufacturing Use
Meets Reagent Specifications for testing USP/NF monographs

Country of Origin: US
Packaging Site: Paris Mfg Ctr & DC

Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

W2663 Received by AP on 01/27/2020

spectrum® CHEMICAL MFG CORP

Certificate Of Analysis

Item Number	P1060	Lot Number	2HD0179
Item	Phenol, Loose Crystal, Reagent, ACS		
CAS Number	108-95-2		
Molecular Formula	C_6H_6O	Molecular Weight	94.11

Test	Specification		Result
	min	max	
ASSAY (C_6H_5OH)	99.0 %		100.02 %
FREEZING POINT (DRY)	40.5 C		40.5°C
CLARITY OF SOLUTION	TO PASS TEST		PASSES TEST
RESIDUE AFTER EVAPORATION		0.05 %	<0.05 %
WATER		0.5 %	0.0087 %
DATE OF MANUFACTURE			06-MAR-2018

Spectrum Chemical Mfg Corp
755 Jersey Avenue
New Brunswick 08901 NJ

Certificate Of Analysis Results Certified by

Ibad Tirmizi
Director of Quality
Spectrum Chemical Mfg. Corp.

All pharmaceutical ingredients are tested using current edition of applicable pharmacopeia.

Read and understand label and SDS before handling any chemicals. All Spectrum's chemicals are for manufacturing, processing, repacking or research purposes by experienced personnel only. It is the customer's responsibility to provide adequate hazardous material training and ensure that appropriate Personal Protective Equipment (PPE) is used before handling any chemical.

Received by : Amit 02/20/2020

Potassium Chloride, Crystal
BAKER ANALYZED® A.C.S. Reagent

avantor™ | J.T.Baker®

Material No.: 3040-01
Batch No.: 0000250362
Manufactured Date: 2019/10/25
Retest Date: 2026/10/23
Revision No: 1

Certificate of Analysis

Meets ACS Reagent Chemical Requirements,

Test	Specification	Result
Assay (KCl) (by Ag titrn)	99.0 - 100.5 %	99.8
Loss on Drying at 105°C	<= 1.0 %	< 0.1
ACS - Insoluble Matter	<= 0.005 %	< 0.001
pH of 5% Solution at 25°C	5.4 - 8.6	6.2
Iodide (I)	<= 0.002 %	< 0.002
Bromide (Br)	<= 0.01 %	< 0.01
Calcium (Ca)	<= 0.002 %	< 0.002
Chlorate and Nitrate (as NO_3)	<= 0.003 %	< 0.001
Magnesium (Mg)	<= 0.001 %	< 0.001
Nitrogen Compounds (as N)	<= 0.001 %	< 0.001
Sulfate (SO_4)	<= 0.001 %	< 0.001
Barium (Ba)	Passes Test	PT
Sodium (Na)(by FES)	<= 0.005 %	< 0.005
Phosphate (PO_4)	<= 5 ppm	< 5
Trace Impurities - ACS - Heavy Metals (as Pb)	<= 5 ppm	< 5
Trace Impurities - Arsenic (As)	<= 1.000 ppm	< 1.000
Trace Impurities - Iron (Fe)	<= 2.000 ppm	< 1.000
Trace Impurities - Nickel (Ni)	<= 1.000 ppm	< 1.000

For Laboratory, Research or Manufacturing Use
Meets Reagent Specifications for testing USP/NF monographs

Country of Origin: US
Packaging Site: Paris Mfg Ctr & DC

James T Ethier
Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

Hexadecane, 99.0%

Material No.: H223-57
Batch No.: 0000266903
Manufactured Date: 2020/05/05
Retest Date: 2027/05/04
Revision No: 1

Certificate of Analysis

Test	Specification	Result
Assay ($CH_3(CH_2)_{14}CH_3$) (by GC)	>= 99.0 %	99.3
Infrared Spectrum	Passes Test	PT

For Laboratory, Research or Manufacturing Use

Country of Origin: US
Packaging Site: Paris Mfg Ctr & DC

Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
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100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

ThermoFisher SCIENTIFIC

Certificate of Analysis

Product No.: 32641

Product: Bromophenol Blue, ACS

Lot No.: W24G026

Test	Limits	Results
Appearance	Brown-pink to peach powder	Pink powder
Loss on Drying	< 1.0 %	0.85 %
Clarity of solution	To pass test	Passes test
Visual transition interval	pH 3.0 (yellow) to pH 4.6 (blue)	pH 3.0 (yellow) to pH 4.6 (blue)
Absorptivity 1 %/ 1 cm		
(pH 3.0) at λ_{max} 437 nm	350- 385	361
(pH 4.6) at λ_{max} 591 nm	940- 1000	983

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ThermoFisher SCIENTIFIC

Certificate of Analysis

W2858 Received by AP on 07/07/2021

Product No.: 33213

Product: Phenol, ACS, 99+%, stab.

Lot No.: M13H048

Test	Limits	Results
Assay	99.0 % min	99.8 %
Freezing point	40.5ºC min	40.5 ºC
Clarity of solution	To pass test	Passes
Residue after evaporation	0.05 % max	< 0.05 %
Water	0.5 % max	0.2 %

Retest date: January 7, 2026

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Phosphoric Acid
BAKER ANALYZED® A.C.S. Reagent

(orthophosphoric acid)

Material No.: 0260-03
Batch No.: 0000278313
Manufactured Date: 2021/02/01
Retest Date: 2026/01/31
Revision No: 2

Certificate of Analysis

Meets ACS Reagent Chemical Requirements,

Test	Specification	Result
Assay (H_3PO_4) (by acidimetry)	85.0 - 87.0 %	85.8
Calcium (Ca)	<= 0.002 %	< 0.001
Color (APHA)	<= 10	5
Insoluble Matter	<= 0.001 %	< 0.001
ACS - Magnesium (Mg)	<= 0.002 %	<0.002
Sulfate (SO_4)	<= 12 ppm	< 4
Volatile Acids (as CH_3COOH)	<= 0.001 %	0.001
Reducing Substances	Passes Test	PT
Chloride (Cl)	<= 3 ppm	< 1
Nitrate (NO_3)	<= 5 ppm	< 2
Trace Impurities - Antimony (Sb)	<= 20.000 ppm	0.007
Trace Impurities - Arsenic (As)	<= 0.500 ppm	< 0.001
Trace Impurities - Iron (Fe)	<= 10.000 ppm	< 1.000
Heavy Metals (as Pb)	<= 8 ppm	< 3
Trace Impurities - Manganese (Mn)	<= 0.500 ppm	0.005
Trace Impurities - Potassium (K)	<= 40.000 ppm	< 0.001
Trace Impurities - Sodium (Na)	<= 200.000 ppm	0.082

For Laboratory, Research or Manufacturing Use
Exceeds A.C.S. Specifications
Meets Reagent Specifications for testing USP/NF monographs

Country of Origin: US
Packaging Site: Phillipsburg Mfg Ctr & DC

Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

ThermoFisher SCIENTIFIC

Certificate of Analysis

W2666 Recived on 02/10/2020 by AP

Product No.:	87683
Product:	Sodium pentacyanonitrosylferrate(III) dihydrate, ACS, 99.0-102.0%
Lot No.:	W12F013

Test	Limits	Results
Assay	99.0 - 102.0 %	99.67 %
Insoluble	0.01 % max	0.0079 %
Chloride	0.02 % max	Not detected
Sulfate	To pass test	Passes test
Aqueous solubility	To pass test	Passes test
Limit on Ferricyanide	To pass test	Passes test
Limit on Ferrocyanide	To pass test	Passes test

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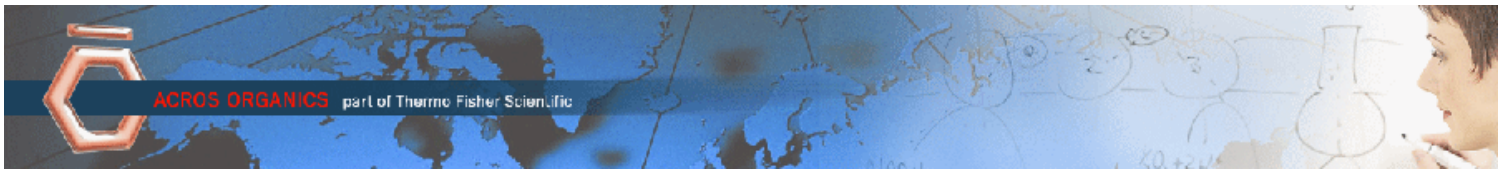

ACROS ORGANICS

Version	0
Molecular weight	147.13
Molecular formula	C5 H9 N O4
CAS No	56-86-0
Linear formula	HO2CCH2CH2CH(NH2)CO2H
Flash point (°C)	

Certificate of Analysis

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Catalog Number	15621	**Quality Test / Release Date**	13 March 2019
Lot Number	A0405990	**Suggested Retest Date**	March 2022

Description	L(+)-Glutamic acid,99%
Country of Origin	CHINA
Declaration of Origin	plant

Origin Comment	The product is made by fermentation of sugar molasses

Result Name	Specifications	Test Value
Appearance (Color)	White	White
Appearance (Form)	Powder	Powder
Infrared spectrum	Conforms	Conforms
Titration with NaOH	98.5 to 100.5 % (On dried substance)	99.32 % (On dried substance)
Loss on drying	=<0.5 % (105°C, 3 hrs)	0.002 % (105°C, 3 hrs)
Heavy metals (as Pb)	=<10 ppm	=<10 ppm
Sulfated ash	=<0.1 %	0.08 %
Other amino acids	not detectable	not detectable
Specific optical rotation	+30.5° to +32.5° (20°C, 589 nm) (on dried substance)	+32° (20°C, 589 nm) (on dried substance)
Specific optical rotation	(c=10, 2N HCl)	(c=10, 2N HCl)
Chloride (Cl)	=<200 ppm	=<200 ppm
Iron (Fe)	=<30 ppm	=<10 ppm
Sulfate (SO4)	=<300 ppm	=<200 ppm
Ammonium (NH4)	=<200 ppm	=<200 ppm
Arsenic oxide (As2O3)	=<1 ppm	=<1 ppm

L. Van den Broek, QA Manager Issued: 24 January 2020

Acros Organics
ENA23, zone 1, nr 1350, Janssen Pharmaceuticalaan 3a, B-2440 Geel, Belgium
Tel +32 14/57.52.11 - Fax +32 14/59.34.34 Internet: http://www.acros.com
1 Reagent Lane, Fair Lawn, NJ 07410,USA Fax 201-796-1329

ThermoFisher SCIENTIFIC

W2817
Rec. 04/02/2021

Product Specification

Product Name: Stearic acid, 98%, Thermo Scientific Chemicals
Catalog Number: A12244.14

CAS Number: 57-11-4
Molecular Formula: C18H36O2
Molecular Weight: 284.48
InChI Key: QIQXTHQIDYTFRH-UHFFFAOYSA-N
SMILES: CCCCCCCCCCCCCCCCCC(O)=O
Synonym: stearic acid acide stearique hydrofol acid 1855 hydrofol acid 1655 industrene 5016 stearic acid, ion(1-) (8CI) glycon TP glycon DP acidum stearinicul hydrofol acid 150

Product Specification

Appearance (Color): White
Form: Crystals or powder or crystalline powder or flakes or waxy solid
Assay (Silylated GC): ≥97.5%
Melting Point (clear melt): 67.0-74.0?C

Date Of Print: 11/30/2023

Product Specifications are subject to amendment and may change over time. Data contained is accurate as of the date printed.

CERTIFICATE OF ANALYSIS

Product Name	ISOPROPYL ALCOHOL, 99%
Grade	Meets ACS/USP/NF Monographs
Catalog #	231000099, zp231000099
Lot #	C20F23007
Date of Manufacture:	06/23/20
Recommended Retest Date:	Five Years from Date of Manufacture

W2788 Received on 12/30/2020 by AP

TEST	MONO GRAPH	SPECIFICATION	RESULT
Assay (corrected for water)	USP	99.0% min	99.92%
Assay (corrected for water)	ACS	99.5% min	
Solubility in water	ACS+	To Pass Test	Pass
Appearance	ACS+	Clear, colorless liquid	Pass
Color, APHA	ACS	10 max	1
Limit of Nonvolatile Residue	USP+	NMT 2.5 mg (0.005%)	0.1 mg
Residue after Evaporation	ACS+	0.001% max	< 0.001%
Specific Gravity	USP	0.783 - 0.787 @25°C	0.783
Identification A - Infrared Absorption	USP	To Pass Test	Pass
Identification B	USP	To Pass Test	Pass
Refractive Index @ 20°C	USP	1.376-1.378	1.377
Acidity	USP+	NMT 0.70 ml of 0.020N NaOH is required	0.30 mL
Titrable Acid or Base	ACS+	0.0001 meq/g max	0.0001 meq/g
Carbonyl Compounds	ACS	Propionaldehyde 0.002% max	< 0.002%
		Acetone 0.002% max	None Detected
Limit of Volatile Impurities	USP	Diethyl Ether NMT 0.1%	< 0.1%
		Acetone NMT 0.1%	None Detected
		Diisopropyl Ether NMT 0.1%	< 0.1%
		n-Propyl Alcohol NMT 0.1%	< 0.1%
		2-Butanol NMT 0.1%	< 0.1%
		Total NMT 1.0%	< 0.1%
Water, wt%	ACS	NMT 0.2%	0.05%
Water Determination	USP	NMT 0.5%	

+ This test is performed quarterly

58 Vale Road, Brookfield, Connecticut, 06804, USA | P. 800.243.5360
www.pharmco.com | www.greenfield.com

Certification and Compliance Statements

This lot of Isopropyl Alcohol complies with all of the current requirements listed in the United States Pharmacopeia, American Chemical Society monographs and the National Formulary.
No chemicals whatsoever are used as solvents at any point in the manufacture, processing or packaging of Isopropyl Alcohol. Only Class 2 and Class 3 residual solvents may appear as impurities / related substances / low level contaminants in IPA Concentration of Class 2 Option 1 and Class 3 residual solvents is below limits in the current USP/NF General Chapter <467>.
This product is not derived, nor does it come in contact with, any materials derived from bovine or other animal sources.
This product is for further commercial manufacturing, laboratory or research use, and may be used as an excipient or a process solvent for pharmaceutical purposes. It is not intended for use as an active ingredient in drug manufacturing nor as a medical device or disinfectant. Appropriate/legal use of this product is the responsibility of the user.

Approved by: D. Simoncelli, Quality Control Chemist

Date of Approval: 06/23/2020

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Sigma-Aldrich.

3050 Spruce Street, Saint Louis, MO 63103, USA
Website: www.sigmaaldrich.com
Email USA: techserv@sial.com
Outside USA: eurtechserv@sial.com

~~H2278~~ W2983
Rec. 11/21/22 ,2

Certificate of Analysis

Product Name:
Potassium sulfate - ReagentPlus®, ≥99.0%

Product Number:	**P0772**
Batch Number:	**SLCM9788**
Brand:	SIGALD
CAS Number:	7778-80-5
MDL Number:	MFCD00011388
Formula:	K2O4S
Formula Weight:	174.26 g/mol
Quality Release Date:	03 MAR 2022

K_2SO_4

Test	Specification	Result
Appearance (Color)	White	White
Appearance (Form)	Powder	Powder
Solubility (Color)	Colorless	Colorless
Solubility (Turbidity) 10 g plus 150 mL, H2O	Clear	Clear
Titration with NaOH	≥ 99.0 %	99.2 %

Brian Dulle

Brian Dulle, Supervisor
Quality Assurance
St. Louis, Missouri US

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

Sigma-Aldrich.

W2984
W2985

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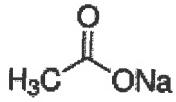
Website: www.sigmaaldrich.com
Email USA: techserv@sial.com
Outside USA: eurtechserv@sial.com

Certificate of Analysis

Product Name:
Sodium acetate - ACS reagent, ≥99.0%

Product Number:	**241245**
Batch Number:	**MKCR6583**
Brand:	SIGALD
CAS Number:	127-09-3
MDL Number:	MFCD00012459
Formula:	C2H3NaO2
Formula Weight:	82.03 g/mol
Quality Release Date:	29 JUL 2022
Recommended Retest Date:	APR 2026



Test	Specification	Result
Appearance (Color)	White	White
Appearance (Form)	Powder or Crystals	Powder
Infrared Spectrum	Conforms to Structure	Conforms
Titration with HClO4	≥ 99.0 %	99.4 %
Loss on Drying	≤ 1.0 %	0.9 %
Insoluble Matter C = 13.3%, H2O	≤ 0.01 %	< 0.01 %
Chloride Content	≤ 0.002 %	< 0.002 %
Iron (Fe)	≤ 0.001 %	< 0.001 %
Heavy Metals (by ICP-OES)	≤ 0.001 %	< 0.001 %
pH C = 5%, H2O At 25 Degrees Celsius	7.0 - 9.2	8.3
Phosphate (PO4)	≤ 0.001 %	< 0.001 %
Calcium (Ca)	≤ 0.005 %	< 0.001 %
Magnesium (Mg)	≤ 0.002 %	< 0.001 %
Sulfate (SO4)	≤ 0.003 %	< 0.003 %
Meets ACS Requirements	Current ACS Specification	Conforms
Recommended Retest Period 4 Years	----------	----------

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Website: www.sigmaaldrich.com
Email USA: techserv@sial.com
Outside USA: eurtechserv@sial.com

Certificate of Analysis

Product Number: 241245
Batch Number: MKCR6583

Larry Coers, Director
Quality Control
Milwaukee, WI US

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Sigma-Aldrich

W3009

Rec. 2/27/2023 12

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Email USA: techserv@sial.com
Outside USA: eurtechserv@sial.com

Certificate of Analysis

Product Name:
Hexadecane - ReagentPlus® , 99%

Product Number:	**H6703**
Batch Number:	**SHBP8192**
Brand:	SIAL
CAS Number:	544-76-3
MDL Number:	MFCD00008998
Formula:	C16H34
Formula Weight:	226.44 g/mol
Quality Release Date:	04 AUG 2022

$CH_3(CH_2)_{14}CH_3$

Test	Specification	Result
Appearance (Color)	Colorless or White	Colorless
Appearance (Form)	Liquid or Solid	Liquid
Infrared Spectrum	Conforms to Structure	Conforms
Refractive index at 20 ° C	1.432 - 1.436	1.435
Purity (GC)	≥ 98.5 %	99.3 %
Color Test	≤ 20 APHA	< 5 APHA

Larry Coers, Director
Quality Control
Sheboygan Falls, WI US

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Sigma-Aldrich.

W3016
Rec 04/03/23 12

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Website: www.sigmaaldrich.com
Email USA: techserv@sial.com
Outside USA: eurtechserv@sial.com

Certificate of Analysis

Product Name:
Sodium phosphate dibasic heptahydrate - ACS reagent, 98.0-102.0%

$Na_2HPO_4 \cdot 7H_2O$

Product Number:	**S9390**
Batch Number:	**SLCP6576**
Brand:	SIGALD
CAS Number:	7782-85-6
MDL Number:	MFCD00149180
Formula:	HNa2O4P · 7H2O
Formula Weight:	268.07 g/mol
Quality Release Date:	02 NOV 2022
Recommended Retest Date:	NOV 2025

Test	Specification	Result
Appearance (Color)	White	White
Appearance (Form)	Powder	Powder
Assay	98.0 - 102.0 %	99.8 %
Insoluble Matter	≤ 0.005 %	0.003 %
Chloride (Cl) < or = 0.001%	Pass	Pass
Sulfate < or = 0.005%	Pass	Pass
Iron (Fe) < or = 0.001%	Pass	Pass
Heavy Metals by ICP	< = 0.001%	< 0.001%
pH of 5% solution at 25 deg C	8.7 - 9.3	9.2
Note ACS Tests	_____	_____

Brian Dulle, Supervisor
Quality Assurance
St. Louis, Missouri US

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

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W3019
Rec 4/3/23

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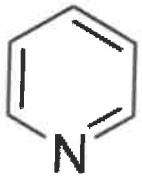
Website: www.sigmaaldrich.com
Email USA: techserv@sial.com
Outside USA: eurtechserv@sial.com

Certificate of Analysis

Product Name:
Pyridine - anhydrous, 99.8%

Product Number:	**270970**
Batch Number:	**SHBQ2113**
Brand:	SIAL
CAS Number:	110-86-1
MDL Number:	MFCD00011732
Formula:	C5H5N
Formula Weight:	79.10 g/mol
Quality Release Date:	15 DEC 2022



Test	Specification	Result
Appearance (Color)	Colorless	Colorless
Appearance (Form)	Liquid	Liquid
Infrared Spectrum	Conforms to Structure	Conforms
Purity (GC)	≥ 99.75 %	99.99 %
Water (by Karl Fischer)	≤ 0.003 %	0.002 %
Residue on Evaporation	≤ 0.0005 %	< 0.0001 %

Larry Coers, Director
Quality Control
Sheboygan Falls, WI US

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W 3035
12
Lec. 6/6/23

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Email USA: techserv@sial.com
Outside USA: eurtechserv@sial.com

Certificate of Analysis

Product Name:
Ammonium persulfate - ACS reagent, ≥98.0%

Product Number:	**248614**
Batch Number:	**MKCR9319**
Brand:	SIGALD
CAS Number:	7727-54-0
MDL Number:	MFCD00003390
Formula Weight:	228.20 g/mol
Quality Release Date:	13 OCT 2022

$(NH_4)_2S_2O_8$

Test	Specification	Result
Appearance (Color)	White to Off White	White
Appearance (Form)	Powder or Crystals or Granules or Chunks	Crystals
ICP Major Analysis Confirms Sulfur Component	Confirmed	Confirmed
Titration by KMNO4	≥ 98.0 %	100.0 %
Residue on ignition (Ash)	≤ 0.05 %	< 0.05 %
Insoluble Matter c = 10 %; In Water	≤ 0.005 %	0.002 %
Chloride and Chlorate (as Cl)	≤ 0.001 %	< 0.001 %
Iron (Fe)	≤ 0.001 %	< 0.001 %
Heavy Metal as Lead	≤ 0.005 %	< 0.001 %
Manganese (Mn)	≤ 0.5 ppm	< 0.1 ppm
Titratable Acid (meq/g)	≤ 0.04	< 0.04
Meets ACS Requirements	Current ACS Specification	Conforms

Larry Coers, Director
Quality Control
Milwaukee, WI US

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

N3049
rec. 08/09/23
12

LabChem
Part of TCP Analytical Group
Jackson's Pointe Commerce Park- Building 1000
1010 Jackson's Pointe Court, Zelienople, PA 16063

Certificate of Analysis

Diphenylcarbazone ACS

Product Code: **LC136757**

Manufacture Date: March 16, 2023

Lot Number: **43031219**

Test	Specification	Result
Appearance (color)	orange	orange
Residue after ignition	<= 0.1 %	<0.1%
Sensitivity	To pass test	Passes
Solubility in acetone	To pass test	Passes

Intended Use *- Product is intended for use in manufacturing procedures and laboratory procedures and protocols.*

Storage Information *- Unless noted on the product label, store the product under normal lab conditions in its tightly closed original container. Do not pipet directly from the container or return unused portions to the container.*

Instructions for Handling and Use *- Please refer to the associated product label and Safety Data Sheet (SDS) for informa regarding safety and handling of this product.*

Preparation *- All products are manufactured and tested according to established, documented procedures and methodology Production documentation records manufacturing data, raw material traceability and testing history on a per lot basis. Balance thermometers, and glassware are calibrated before first use and on a regular schedule with references traceable to NIST standards.*

Michael Monteleone

Quality Control
Michael Monteleone
Chemistry Supervisor
20230810 15:29:36 TWalker-0.0

ISO 9001:2015 Registration #0306-01

N 3055

Sigma-Aldrich.

REC. 09/14/23

12

3050 Spruce Street, Saint Louis, MO 63103, USA
Website: www.sigmaaldrich.com
Email USA: techserv@sial.com
Outside USA: eurtechserv@sial.com

Certificate of Analysis

Product Name:
Sodium sulfate - ACS reagent, ≥99.0%, anhydrous, granular

Product Number:	**239313**
Batch Number:	**SLCP7811**
Brand:	SIGALD
CAS Number:	7757-82-6
MDL Number:	MFCD00003504
Formula:	SO4.2Na
Formula Weight:	142.04 g/mol
Quality Release Date:	02 NOV 2022
Recommended Retest Date:	NOV 2025

Na_2SO_4

Test	Specification	Result
Appearance (Form) Granular	Conforms	Conforms
Iron (Fe)	< = 0.001%	< = 0.001%
pH 5% at 25°C	5.2 - 9.2	6.4
Insoluble matter	≤ 0.01 %	0.00 %
Loss on Ignition	≤ 0.5 %	0.2 %
Chloride (Cl)	≤ 0.001 %	< 0.001 %
Nitrogen Compounds	≤ 5 ppm	< 5 ppm
Phosphate (PO4)	≤ 0.001 %	< 0.001 %
Calcium (Ca)	≤ 0.01 %	0.00 %
Magnesium (Mg)	≤ 0.005 %	0.000 %
Potassium (K)	≤ 0.01 %	0.00 %
Size 10-60 mesh	Conforms	Conforms
Assay	≥ 99.0 %	99.7 %
Heavy Metals (by ICP-OES)	< = 5 ppm	< 5 ppm
Note ACS tests	----------	----------

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

Version Number: 1

3050 Spruce Street, Saint Louis, MO 63103, USA
Website: www.sigmaaldrich.com
Email USA: techserv@sial.com
Outside USA: eurtechserv@sial.com

Certificate of Analysis

Product Number: 239313
Batch Number: SLCP7811

Brian Dulle, Supervisor
Quality Assurance
St. Louis, Missouri US

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

Certificate Of Analysis

W 3058

Rec. 10/19/23 12

Date of Release: 1/27/2023

Name: **Sodium Carbonate, Anhydrous**
Powder, ACS

Item No: **SX0395 All Sizes**
Lot / Batch No: **2023012653**
Country of Origin: **India**

Item	Specifications	Analysis
Assay (calculated on dried substance)	99.5% min.	100.2%
Calcium (Ca)	0.03% max.	0.004%
Chloride (Cl)	0.001% max.	<0.001%
Color	White	Passes Test
Form	Powder	Passes Test
Heavy metals (by ICP-OES)	5 ppm max.	<5 ppm
Insoluble Matter	0.01% max.	0.003%
Iron (Fe)	5 ppm max.	<5 ppm
Loss on heating at 285C	1.0% max.	0.1%
Magnesium (Mg)	0.005% max.	0.0008%
Phosphate (PO4)	0.001% max.	<0.001%
Potassium (K)	0.005% max.	0.003%
Silica (SiO2)	0.005% max.	<0.005%
Sulfur compounds (as SO4)	0.003% max.	<0.003%

Joe Schoellkopff

Quality Control Manager

This document has been produced electronically and is valid without a signature.

EMD Millipore is a division of Merck KGaA, Darmstadt, Germany

EMD Millipore Corporation
400 Summit Drive
Burlington, MA 01803
U.S.A.

Form number: 00005624CA, Rev. 2.0

Certificate of Analysis

1 Reagent Lane
Fair Lawn, NJ 07410
201.796.7100 tel
201.796.1329 fax

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by SAI Global Certificate Number CERT – 0120632

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Thermo Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to humans or animals. It is the responsibility of the final formulator and end user to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

Catalog Number	41098	Quality Test / Release Date	10/27/2020
Lot Number	B0541750B		
Description	GLYCEROL, REAGENT ACS		
Country of Origin	United States	Suggested Retest Date	Oct/2025
Chemical Origin	Organic - Plant		
BSE/TSE Comment	No animal products are used as starting raw material ingredients, or used in processing, including lubricants, processing aids, or any other material that might migrate to the finished product.		
Comment	No animal products are used as starting raw material ingredients, or used in processing, including lubricants, processing aids, or any other material that might migrate to the finished product.		

N/A

Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Clear Syrupy Liquid
ACROLEIN, GLUCOSE, NH4	PASS/FAIL	IN PASS TEST	PASS TEST
ASSAY	%	>= 99.5	99.8
CHLORINATED COMPOUNDS (AS Cl)	%	<= 0.003	<0.003
COLOR	APHA	<= 10	5
FATTY ACID ESTERS	%	<= 0.05	<0.005
HEAVY METALS (as Pb)	ppm	<= 2	<2
INFRARED SCAN	REPORT	IN CONFORMS TO REF	CONFORMS TO REF
NEUTRALITY	PASS/FAIL	IN PASS TEST	PASS TEST
RESIDUE AFTER IGNITION	%	<= 0.005	<0.001
SUBSTANCES DARKENED BY H2SO4	PASS/FAIL	IN PASS TEST	PASS TEST
SULFATE (SO4)	%	<= 0.001	<0.001
WATER (H2O)	%	<= 0.5	0.1

Residual Solvents	No Class 1 or 3 Residual Solvents are used in the processing of Glycerin. Class 2 Methanol is used as a reactant to manufacture Glycerin but is removed in subsequent manufacturing processes to typically below 1 ppm. This is well below the 3000 ppm recommended maximum concentration in drug products.

Julian Burton

Julian Burton - Quality Control Manager - Bridgewater

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.
If there are any questions with this certificate, please call at (800) 227-6701.
*Based on suggested storage condition.

W2654 Received on 1/24/2020 by AP

ThermoFisher SCIENTIFIC

Certificate of Analysis

1 Reagent Lane
Fair Lawn, NJ 07410
201.796.7100 tel
201.796.1329 fax

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by SAI Global Certificate Number CERT – 0120632

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Catalog Number	D16	Quality Test / Release Date	03/19/2019
Lot Number	186122A		
Description	DEXTROSE, ANHYDROUS, A.C.S.		
Country of Origin	United States	Suggested Retest Date	Mar/2022
Chemical Origin	Organic - Plant		
BSE/TSE Comment	No animal products are used as starting raw material ingredients, or used in processing, including lubricants, processing aids, or any other material that might migrate to the finished product.		
Chemical Comment			

N/A

Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	White, granular powder
TITRATABLE ACID	MEQ/G	<= 0.002	<0.002
STARCH		= PASS TEST	pass test
SPECIFIC ROTATION @ 25 C	DEGREES (+ OR -)	Inclusive Between +52.5 - +53.0	53.0
SULFATE & SULFITE	%	<= 0.005	<0.005
IRON (Fe)	ppm	<= 5	<5
CHLORIDE	%	<= 0.01	<0.01
IGNITION RESIDUE	%	<= 0.02	<0.02
IDENTIFICATION	PASS/FAIL	= PASS TEST	pass test
HEAVY METALS (as Pb)	ppm	<= 5	<5
LOSS ON DRYING @ 105 C	%	<= 0.2	<0.2
INSOLUBLE MATTER	%	<= 0.005	0.002

Teresa Bailey-Wyche

Quality Assurance Specialist - Certificate of Analysis Fair Lawn

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.
If there are any questions with this certificate, please call at (800) 227-6701.
*Based on suggested storage condition.

W2652 Received on 01/24/2020 by AP

ThermoFisher SCIENTIFIC

Certificate of Analysis

1 Reagent Lane
Fair Lawn, NJ 07410
201.796.7100 tel
201.796.1329 fax

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by SAI Global Certificate Number CERT – 0120632

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Thermo Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to humans or animals. It is the responsibility of the final formulator and end user to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

Catalog Number	P188	Quality Test / Release Date	08/12/2019
Lot Number	194664		
Description	POTASSIUM DICHROMATE, A.C.S.		
Country of Origin	United States	Suggested Retest Date	Aug/2024
Chemical Origin	Inorganic-non animal		
BSE/TSE Comment	No animal products are used as starting raw material ingredients, or used in processing, including lubricants, processing aids, or any other material that might migrate to the finished product.		
Chemical Comment			

N/A			
Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Fine, orange-red crystals
ASSAY	%	>= 99	99.2
CALCIUM	%	<= 0.003	<0.003
CHLORIDE	%	<= 0.001	<0.001
LOSS ON DRYING @ 105 C	%	<= 0.05	<0.05
SULFATE (SO4)	%	<= 0.005	<0.005
INSOLUBLE MATTER	%	<= 0.005	0.003
IRON (Fe)	%	<= 0.001	<0.001
SODIUM (Na)	%	<= 0.02	<0.02
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST

Teresa Bailey-Wyche

Quality Assurance Specialist - Certificate of Analysis Fair Lawn

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.
If there are any questions with this certificate, please call at (800) 227-6701.
*Based on suggested storage condition.

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9254-03
Batch No.: 24H1462005
Manufactured Date: 2024-05-24
Expiration Date:2027-05-24
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Rec on 8/20/25

E3965

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

PRODUCTOS QUIMICOS MONTERREY, S.A. DE C.V.

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MÉXICO
CP 64070
TEL +52 81 13 52 57 57
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE **RMB3375**)	FORMULA :	Na_2SO_4
SPECIFICATION NUMBER:	6399	RELEASE DATE:	MAY/23/2024
LOT NUMBER :	417203		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na_2SO_4)	Min. 99.0%	99.8 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.2
Insoluble matter	Max. 0.01%	0.001 %
Loss on ignition	Max. 0.5%	0.1 %
Chloride (Cl)	Max. 0.001%	<0.001 %
Nitrogen compounds (as N)	Max. 5 ppm	<5 ppm
Phosphate (PO_4)	Max. 0.001%	<0.001 %
Heavy metals (as Pb)	Max. 5 ppm	<5 ppm
Iron (Fe)	Max. 0.001%	<0.001 %
Calcium (Ca)	Max. 0.01%	0.001 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.001 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
Identification	Passes test	Passes test
Solubility and foreing matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.2 %
Retained on US Standard No. 60 sieve	Min. 94%	96.2 %
Through US Standard No. 60 sieve	Max. 5%	3.5 %
Through US Standard No. 100 sieve	Max. 10%	0.1 %

COMMENTS

QC: PhC Irma Belmares

If you need further details, please call our factory or contact our local distributor.

RE-02-01, Ed. 3

E 3875

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9254-03
Batch No.: 24H2762008
Manufactured Date: 2024-04-18
Expiration Date:2027-04-18
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.0 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	<0.1 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 03/31/25

E3917

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Sodium Chloride, Crystal
BAKER ANALYZED® A.C.S. Reagent

M5493 – M5308
Rad on 4/14/23
JMG

avantor™ | J.T.Baker®

Material No.: 3624-01
Batch No.: 0000281938
Manufactured Date: 2021-06-07
Retest Date: 2026-06-07
Revision No.: 2

Certificate of Analysis

Test	Specification	Result
Assay (NaCl) (by Ag titrn)	≥ 99.0 %	100.0 %
pH of 5% Solution at 25°C	5.0 - 9.0	6.3
Insoluble Matter	≤ 0.005 %	0.003 %
Iodide (I)	≤ 0.002 %	< 0.002 %
Bromide (Br)	≤ 0.01 %	< 0.01 %
Chlorate and Nitrate (as NO_3)	≤ 0.003 %	< 0.001 %
ACS - Phosphate (PO_4)	≤ 5 ppm	< 5 ppm
Sulfate (SO_4)	≤ 0.004 %	< 0.004 %
Barium (Ba)	Passes Test	Passes Test
ACS - Heavy Metals (as Pb)	≤ 5 ppm	< 5 ppm
Iron (Fe)	≤ 2 ppm	< 1 ppm
Calcium (Ca)	≤ 0.002 %	< 0.001 %
Magnesium (Mg)	≤ 0.001 %	< 0.001 %
Potassium (K)	≤ 0.005 %	0.001 %

For Laboratory,Research,or Manufacturing Use
Meets Reagent Specifications for testing USP/NF monographs
Country of Origin: USA
Packaging Site: Paris Mfg Ctr & DC

James T Ethier
Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone 610.386.1700

QATS LABORATORY INORGANIC REFERENCE MATERIAL INITIAL CALIBRATION VERIFICATION SOLUTIONS (ICV1, ICV5, AND ICV6)

NOTE: These instructions are for advisory purposes only. If any apparent conflict exists between these instructions and the analytical protocol or your contract, disregard these instructions.

APPLICATION: For use with the CLP SFAM01.0 SOW and revisions.

CAUTION: Read instructions carefully before opening bottle(s) and proceeding with the analyses.

Contains Metals in Dilute Acidic or Cyanide in Basic Aqueous Solutions
HAZARDOUS MATERIAL

Safety Data Sheets Available Upon Request

W2160, W2161, W2162, W2163, W2164 Receive by AP on 9/2/2016

(A) *SAMPLE DESCRIPTION*

Enclosed is a set of one (1) or more Aqueous Inorganic Reference Materials containing various analyte concentrations. ICV1 and ICV5 are in a matrix of dilute nitric acid. ICV6 is in a matrix of dilute basic solution. **For the reference material source in reporting ICVs use "USEPA". For the reference material lot number for the ICV1, ICV5, and ICV6 solutions use "ICV1-1014", "ICV5-0415", and "ICV6-0400", respectively.**

(B) *BREAKAGE OR MISSING ITEMS*

Check the contents of the shipment carefully for any broken, leaking, or missing items. Check that the seal is intact on each bottle. Refer to the enclosed chain of custody record. Report any problems to Mr. Keith Strout, APTIM Federal Services, LLC, at (702) 895-8722. If requested, return the chain-of-custody record with appropriate annotations and signatures to the address provided below.

QUALITY ASSURANCE TECHNICAL SUPPORT LABORATORY
APTIM Federal Services, LLC
2700 Chandler Avenue - Building C
Las Vegas, NV 89120

(C) *ANALYSIS OF SAMPLES*

The Initial Calibration Verification Solutions (ICVs) are to be used to evaluate the accuracy of the initial calibrations of ICP, AA, and Cyanide colorimetric instruments, and are to be used with the CLP SOWs and revisions. The values for each element in the ICVs are listed below in µg/L (ppb) for the resulting solution(s) after the dilution of the concentrate(s) according to the following instructions. Use Class 'A' glassware to prepare the solution(s).

ICV1-1014 For ICP-AES analysis, use a 10-fold dilution by pipetting 10 mL of the ICV1 concentrate into a 100 mL volumetric flask and dilute to volume with 2% (v/v) nitric acid.

ICV1-1014 For ICP-MS analysis, use a 50-fold dilution by pipetting 2 mL of the ICV1 concentrate into a 100 mL volumetric flask and dilute to volume with 1% (v/v) nitric acid.

ICV5-0415 For the cold vapor analysis of mercury by AA, use a 100-fold dilution by pipetting 1 mL of the ICV5 concentrate into a 100 mL volumetric flask and dilute to volume with 2% (v/v) nitric acid. The ICV5 concentrate is prepared in 0.05% (w/v) $K_2Cr_2O_7$ and 5% (v/v) nitric acid.

ICV6-0400 For the analysis of cyanide, use a 100-fold dilution by pipetting 1 mL of the ICV6 concentrate into a 100 mL volumetric flask and dilute to volume with Type II water. Distill this solution along with the samples before analysis. The cyanide concentrate is prepared from $K_3Fe(CN)_6$, Type II water, and 0.1 % sodium hydroxide, and will decompose rapidly if exposed to light.

NOTE: USE TYPE II WATER AND HIGH-PURITY ACIDS FOR ALL DILUTIONS.

(D) ***CERTIFIED CONCENTRATIONS OF QATS ICV1, ICV5, AND ICV6 SOLUTIONS***

ICV1-1014		
Element	**Concentration (µg/L) (after 10-fold dilution)**	**Concentration (µg/L) (after 50-fold dilution)**
Al	2500	500
Sb	1000	200
As	1000	200
Ba	520	100
Be	510	100
Cd	510	100
Ca	10000	2000
Cr	520	100
Co	520	100
Cu	510	100
Fe	10000	2000
Pb	1000	200
Mg	6000	1200
Mn	520	100
Ni	530	110
K	9900	2000
Se	1000	200
Ag	250	50
Na	10000	2000
Tl	1000	210
V	500	100
Zn	1000	200

ICV5-0415		ICV6-0400	
Element	**Concentration (µg/L) (after 100-fold dilution)**	**Analyte**	**Concentration (µg/L) (after 100-fold dilution)**
Hg	4.0	**CN^-**	99

Sodium Chloride, Crystal
BAKER ANALYZED® A.C.S. Reagent

MT884
MB

avantor™ | J.T.Baker®

Material No.: 3624-01
Batch No.: 0000281938
Manufactured Date: 2021-06-07
Retest Date: 2026-06-07
Revision No.: 1

Certificate of Analysis

Test	Specification	Result
Assay (NaCl) (by Ag titrn)	≥ 99.0 %	100.0 %
pH of 5% Solution at 25°C	5.0 - 9.0	6.3
Insoluble Matter	≤ 0.005 %	0.003 %
Iodide (I)	≤ 0.002 %	< 0.002 %
Bromide (Br)	≤ 0.01 %	< 0.01 %
Chlorate and Nitrate (as NO_3)	≤ 0.003 %	< 0.001 %
ACS - Phosphate (PO_4)	≤ 5 ppm	< 5 ppm
Sulfate (SO_4)	≤ 0.004 %	< 0.004 %
Barium (Ba)	Passes Test	Passes Test
ACS - Heavy Metals (as Pb)	≤ 5 ppm	< 5 ppm
Iron (Fe)	≤ 2 ppm	< 1 ppm
Calcium (Ca)	≤ 0.002 %	< 0.001 %
Magnesium (Mg)	≤ 0.001 %	< 0.001 %
Potassium (K)	≤ 0.005 %	0.001 %

For Laboratory,Research,or Manufacturing Use
Meets Reagent Specifications for testing USP/NF monographs
Country of Origin: USA
Packaging Site: Paris Mfg Ctr & DC

James T Ethier

Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Mansford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone 610.386.1700

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

M 6041-46
MS

avantor™ | J.T.Baker®

Material No.: 9673-33
Batch No.: 23D2462010
Manufactured Date: 2023-03-22
Retest Date: 2028-03-20
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
ACS – Assay (H_2SO_4)	95.0 – 98.0 %	96.1 %
Appearance	Passes Test	Passes Test
ACS – Color (APHA)	≤ 10	5
ACS – Residue after Ignition	≤ 3 ppm	< 1 ppm
ACS – Substances Reducing Permanganate (as SO2)	≤ 2 ppm	< 2 ppm
Ammonium (NH_4)	≤ 1 ppm	1 ppm
Chloride (Cl)	≤ 0.1 ppm	< 0.1 ppm
Nitrate (NO_3)	≤ 0.2 ppm	< 0.1 ppm
Phosphate (PO_4)	≤ 0.5 ppm	< 0.1 ppm
Trace Impurities – Aluminum (Al)	≤ 30.0 ppb	< 5.0 ppb
Arsenic and Antimony (as As)	≤ 4.0 ppb	< 2.0 ppb
Trace Impurities – Boron (B)	≤ 10.0 ppb	8.5 ppb
Trace Impurities – Cadmium (Cd)	≤ 2.0 ppb	< 0.3 ppb
Trace Impurities – Chromium (Cr)	≤ 6.0 ppb	< 0.4 ppb
Trace Impurities – Cobalt (Co)	≤ 0.5 ppb	< 0.3 ppb
Trace Impurities – Copper (Cu)	≤ 1.0 ppb	< 0.1 ppb
Trace Impurities – Gold (Au)	≤ 10.0 ppb	0.5 ppb
Heavy Metals (as Pb)	≤ 500.0 ppb	< 100.0 ppb
Trace Impurities – Iron (Fe)	≤ 50.0 ppb	1.3 ppb
Trace Impurities – Lead (Pb)	≤ 0.5 ppb	< 0.5 ppb
Trace Impurities – Magnesium (Mg)	≤ 7.0 ppb	0.8 ppb
Trace Impurities – Manganese (Mn)	≤ 1.0 ppb	< 0.4 ppb
Trace Impurities – Mercury (Hg)	≤ 0.5 ppb	< 0.1 ppb
Trace Impurities – Nickel (Ni)	≤ 2.0 ppb	0.3 ppb
Trace Impurities – Potassium (K)	≤ 500.0 ppb	< 2.0 ppb
Trace Impurities – Selenium (Se)	≤ 50.0 ppb	< 0.1 ppb
Trace Impurities – Silicon (Si)	≤ 100.0 ppb	31.5 ppb
Trace Impurities – Silver (Ag)	≤ 1.0 ppb	< 0.3 ppb

>>> Continued on page 2 >>>

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

avantor™ | J.T.Baker®

Material No.: 9673-33
Batch No.: 23D2462010

Test	Specification	Result
Trace Impurities - Sodium (Na)	≤ 500.0 ppb	5.4 ppb
Trace Impurities - Strontium (Sr)	≤ 5.0 ppb	< 0.2 ppb
Trace Impurities - Tin (Sn)	≤ 5.0 ppb	< 0.8 ppb
Trace Impurities - Zinc (Zn)	≤ 5.0 ppb	0.4 ppb

For Laboratory,Research,or Manufacturing Use

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James T Ethier

Jamie Ethier
Vice President Global Quality

R: 8/19/24 M6069

MACHEREY-NAGEL

Certificate of Analysis

Product information

Product	pH-Fix 0.3-2.3
REF	92180
LOT	80A0441
Expiration date:	29.02.2028
Date of examination:	23.01.2024
Gradation:	pH 0.3-0.7-1.0-1.3-1.6-1.9-2.3

Confirmation

Hereby we confirm, that the above mentioned product has successfully passed our quality control system in accordance with ISO 9001 and meets the specific quality criteria.

This document has been produced electronically and is valid without a signature.

MACHEREY-NAGEL GmbH & Co. KG
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Hydrochloric Acid, 36.5–38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

avantor™ | J.T.Baker®

M6151

R→ 1/15/25

Material No.: 9530-33
Batch No.: 22G2862015
Manufactured Date: 2022-06-15
Retest Date: 2027-06-14
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
ACS – Assay (as HCl) (by acid-base titrn)	36.5 – 38.0 %	37.9 %
ACS – Color (APHA)	≤ 10	5
ACS – Residue after Ignition	≤ 3 ppm	< 1 ppm
ACS – Specific Gravity at 60°/60°F	1.185 – 1.192	1.191
ACS – Bromide (Br)	≤ 0.005 %	< 0.005 %
ACS – Extractable Organic Substances	≤ 5 ppm	< 1 ppm
ACS – Free Chlorine (as Cl_2)	≤ 0.5 ppm	< 0.5 ppm
Phosphate (PO_4)	≤ 0.05 ppm	< 0.03 ppm
Sulfate (SO_4)	≤ 0.5 ppm	< 0.3 ppm
Sulfite (SO_3)	≤ 0.8 ppm	0.3 ppm
Ammonium (NH_4)	≤ 3 ppm	< 1 ppm
Trace Impurities – Arsenic (As)	≤ 0.010 ppm	< 0.003 ppm
Trace Impurities – Aluminum (Al)	≤ 10.0 ppb	1.3 ppb
Arsenic and Antimony (as As)	≤ 5.0 ppb	< 3.0 ppb
Trace Impurities – Barium (Ba)	≤ 1.0 ppb	0.2 ppb
Trace Impurities – Beryllium (Be)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Bismuth (Bi)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Boron (B)	≤ 20.0 ppb	< 5.0 ppb
Trace Impurities – Cadmium (Cd)	≤ 1.0 ppb	< 0.3 ppb
Trace Impurities – Calcium (Ca)	≤ 50.0 ppb	163.0 ppb
Trace Impurities – Chromium (Cr)	≤ 1.0 ppb	0.7 ppb
Trace Impurities – Cobalt (Co)	≤ 1.0 ppb	< 0.3 ppb
Trace Impurities – Copper (Cu)	≤ 1.0 ppb	< 0.1 ppb
Trace Impurities – Gallium (Ga)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Germanium (Ge)	≤ 3.0 ppb	< 2.0 ppb
Trace Impurities – Gold (Au)	≤ 4.0 ppb	0.6 ppb
Heavy Metals (as Pb)	≤ 100 ppb	< 50 ppb
Trace Impurities – Iron (Fe)	≤ 15 ppb	6 ppb

>>> Continued on page 2 >>>

Hydrochloric Acid, 36.5–38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

avantor™ | J.T.Baker®

Material No.: 9530-33
Batch No.: 22G2862015

Test	Specification	Result
Trace Impurities – Lead (Pb)	≤ 1.0 ppb	< 0.5 ppb
Trace Impurities – Lithium (Li)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Magnesium (Mg)	≤ 10.0 ppb	2.9 ppb
Trace Impurities – Manganese (Mn)	≤ 1.0 ppb	< 0.4 ppb
Trace Impurities – Mercury (Hg)	≤ 0.5 ppb	0.1 ppb
Trace Impurities – Molybdenum (Mo)	≤ 10.0 ppb	< 3.0 ppb
Trace Impurities – Nickel (Ni)	≤ 4.0 ppb	< 0.3 ppb
Trace Impurities – Niobium (Nb)	≤ 1.0 ppb	0.8 ppb
Trace Impurities – Potassium (K)	≤ 9.0 ppb	< 2.0 ppb
Trace Impurities – Selenium (Se), For Information Only		< 1.0 ppb
Trace Impurities – Silicon (Si)	≤ 100.0 ppb	< 10.0 ppb
Trace Impurities – Silver (Ag)	≤ 1.0 ppb	0.5 ppb
Trace Impurities – Sodium (Na)	≤ 100.0 ppb	2.3 ppb
Trace Impurities – Strontium (Sr)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Tantalum (Ta)	≤ 1.0 ppb	1.6 ppb
Trace Impurities – Thallium (Tl)	≤ 5.0 ppb	< 2.0 ppb
Trace Impurities – Tin (Sn)	≤ 5.0 ppb	4.0 ppb
Trace Impurities – Titanium (Ti)	≤ 1.0 ppb	1.5 ppb
Trace Impurities – Vanadium (V)	≤ 1.0 ppb	< 0.2 ppb
Trace Impurities – Zinc (Zn)	≤ 5.0 ppb	0.8 ppb
Trace Impurities – Zirconium (Zr)	≤ 1.0 ppb	0.3 ppb

>>> Continued on page 3 >>>

Hydrochloric Acid, 36.5-38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

avantor™ | J.T.Baker®

Material No.: 9530-33
Batch No.: 22G2862015

Test	Specification	Result

For Laboratory,Research,or Manufacturing Use
Product Information (not specifications):
Appearance (clear, fuming liquid)
Meets ACS Specifications
Storage Condition: Store below 25 °C.

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James T Ethier

Jamie Ethier
Vice President Global Quality

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

avantor™ | J.T.Baker®

M6186

Recien Date 8- 08/06/25

Material No.: 9673-33
Batch No.: 23D2462010
Manufactured Date: 2023-03-22
Retest Date: 2028-03-20
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
ACS - Assay (H_2SO_4)	95.0 - 98.0 %	96.1 %
Appearance	Passes Test	Passes Test
ACS - Color (APHA)	≤ 10	5
ACS - Residue after Ignition	≤ 3 ppm	< 1 ppm
ACS - Substances Reducing Permanganate (as SO2)	≤ 2 ppm	< 2 ppm
Ammonium (NH_4)	≤ 1 ppm	1 ppm
Chloride (Cl)	≤ 0.1 ppm	< 0.1 ppm
Nitrate (NO_3)	≤ 0.2 ppm	< 0.1 ppm
Phosphate (PO_4)	≤ 0.5 ppm	< 0.1 ppm
Trace Impurities - Aluminum (Al)	≤ 30.0 ppb	< 5.0 ppb
Arsenic and Antimony (as As)	≤ 4.0 ppb	< 2.0 ppb
Trace Impurities - Boron (B)	≤ 10.0 ppb	8.5 ppb
Trace Impurities - Cadmium (Cd)	≤ 2.0 ppb	< 0.3 ppb
Trace Impurities - Chromium (Cr)	≤ 6.0 ppb	< 0.4 ppb
Trace Impurities - Cobalt (Co)	≤ 0.5 ppb	< 0.3 ppb
Trace Impurities - Copper (Cu)	≤ 1.0 ppb	< 0.1 ppb
Trace Impurities - Gold (Au)	≤ 10.0 ppb	0.5 ppb
Heavy Metals (as Pb)	≤ 500.0 ppb	< 100.0 ppb
Trace Impurities - Iron (Fe)	≤ 50.0 ppb	1.3 ppb
Trace Impurities - Lead (Pb)	≤ 0.5 ppb	< 0.5 ppb
Trace Impurities - Magnesium (Mg)	≤ 7.0 ppb	0.8 ppb
Trace Impurities - Manganese (Mn)	≤ 1.0 ppb	< 0.4 ppb
Trace Impurities - Mercury (Hg)	≤ 0.5 ppb	< 0.1 ppb
Trace Impurities - Nickel (Ni)	≤ 2.0 ppb	0.3 ppb
Trace Impurities - Potassium (K)	≤ 500.0 ppb	< 2.0 ppb
Trace Impurities - Selenium (Se)	≤ 50.0 ppb	< 0.1 ppb
Trace Impurities - Silicon (Si)	≤ 100.0 ppb	31.5 ppb
Trace Impurities - Silver (Ag)	≤ 1.0 ppb	< 0.3 ppb

>>> Continued on page 2 >>>

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

avantor™ | J.T.Baker®

Material No.: 9673-33
Batch No.: 23D2462010

Test	Specification	Result
Trace Impurities – Sodium (Na)	≤ 500.0 ppb	5.4 ppb
Trace Impurities – Strontium (Sr)	≤ 5.0 ppb	< 0.2 ppb
Trace Impurities – Tin (Sn)	≤ 5.0 ppb	< 0.8 ppb
Trace Impurities – Zinc (Zn)	≤ 5.0 ppb	0.4 ppb

For Laboratory,Research,or Manufacturing Use

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James T Ethier
Jamie Ethier
Vice President Global Quality

Nitric Acid 69%
CMOS

M6187
R.D :- 08/08/25

avantor™ | J.T.Baker®

Material No.: 9606-03
Batch No.: 24H0162012
Manufactured Date: 2024-06-28
Retest Date: 2029-06-27
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (HNO_3)	69.0 - 70.0 %	69.7 %
Appearance	Passes Test	Passes Test
Color (APHA)	≤ 10	5
Residue after Ignition	≤ 2 ppm	< 1 ppm
Chloride (Cl)	≤ 0.08 ppm	0.03 ppm
Phosphate (PO_4)	≤ 0.10 ppm	< 0.03 ppm
Sulfate (SO_4)	≤ 0.2 ppm	< 0.2 ppm
Trace Impurities - Aluminum (Al)	≤ 40.0 ppb	< 1.0 ppb
Arsenic and Antimony (as As)	≤ 5.0 ppb	< 2.0 ppb
Trace Impurities - Barium (Ba)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Beryllium (Be)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Bismuth (Bi)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities - Boron (B)	≤ 10.0 ppb	0.1 ppb
Trace Impurities - Cadmium (Cd)	≤ 50 ppb	< 1 ppb
Trace Impurities - Calcium (Ca)	≤ 50.0 ppb	0.3 ppb
Trace Impurities - Chromium (Cr)	≤ 30.0 ppb	0.1 ppb
Trace Impurities - Cobalt (Co)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Copper (Cu)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Gallium (Ga)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Germanium (Ge)	≤ 20 ppb	< 1 ppb
Trace Impurities - Gold (Au)	≤ 20 ppb	< 1 ppb
Heavy Metals (as Pb)	≤ 100 ppb	< 50 ppb
Trace Impurities - Iron (Fe)	≤ 40.0 ppb	< 1.0 ppb
Trace Impurities - Lead (Pb)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities - Lithium (Li)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Magnesium (Mg)	≤ 20 ppb	< 1 ppb
Trace Impurities - Manganese (Mn)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Nickel (Ni)	≤ 20.0 ppb	< 1.0 ppb

>>> Continued on page 2 >>>

Nitric Acid 69%
CMOS

avantor™ | J.T.Baker®

Material No.: 9606-03
Batch No.: 24H0162012

Test	Specification	Result
Trace Impurities – Niobium (Nb)	≤ 50.0 ppb	< 1.0 ppb
Trace Impurities – Potassium (K)	≤ 50 ppb	< 1 ppb
Trace Impurities – Silicon (Si)	≤ 50 ppb	1 ppb
Trace Impurities – Silver (Ag)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities – Sodium (Na)	≤ 150.0 ppb	< 1.0 ppb
Trace Impurities – Strontium (Sr)	≤ 30.0 ppb	< 1.0 ppb
Trace Impurities – Tantalum (Ta)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Thallium (Tl)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Tin (Sn)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities – Titanium (Ti)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Vanadium (V)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Zinc (Zn)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities – Zirconium (Zr)	≤ 10.0 ppb	< 1.0 ppb
Particle Count – 0.5 µm and greater	≤ 60 par/ml	13 par/ml
Particle Count – 1.0 µm and greater	≤ 10 par/ml	5 par/ml

>>> Continued on page 3 >>>

Nitric Acid 69%
CMOS

avantor™ | J.T.Baker®

Material No.: 9606-03
Batch No.: 24H0162012

Test	Specification	Result

For Microelectronic Use

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Jamie Croak
Director Quality Operations, Bioscience Production

W2668 Received on 02/10/2020 by AP

Sodium Phosphate, Monobasic, Monohydrate, Crystal
BAKER ANALYZED® A.C.S. Reagent

(sodium dihydrogen phosphate, monohydrate)

Material No.: 3818-05
Batch No.: 0000225799
Manufactured Date: 2018/12/05
Retest Date: 2025/12/03
Revision No: 1

Certificate of Analysis

Meets ACS Reagent Chemical Requirements,

Test	Specification	Result
Assay ($NaH_2PO_4 \cdot H_2O$)	98.0 - 102.0 %	99.5
pH of 5% Solution at 25°C	4.1 - 4.5	4.3
Insoluble Matter	<= 0.01 %	< 0.01
Chloride (Cl)	<= 5 ppm	< 5
ACS - Sulfate (SO_4)	<= 0.003 %	< 0.003
Calcium (Ca)	<= 0.005 %	<0.005
Potassium (K)	<= 0.01 %	< 0.01
Heavy Metals (as Pb)	<= 0.001 %	< 0.001
Trace Impurities - Iron (Fe)	<= 0.001 %	< 0.001

For Laboratory, Research or Manufacturing Use
Meets Reagent Specifications for testing USP/NF monographs

Country of Origin: IN
Packaging Site: Paris Mfg Ctr & DC

Jamie Ethier
Vice President Global Quality

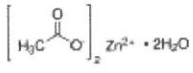
For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

3050 Spruce Street, Saint Louis, MO 63103, USA
Website: www.sigmaaldrich.com
Email USA: techserv@sial.com
Outside USA: eurtechserv@sial.com

W2926
open 7/5/22
received
on
7/5/22

Certificate of Analysis

Product Name:
Zinc acetate dihydrate - ACS reagent, ≥98%



Product Number:	**383058**
Batch Number:	**MKCQ9159**
Brand:	SIGALD
CAS Number:	5970-45-6
MDL Number:	MFCD00066961
Formula:	C4H6O4Zn · 2H2O
Formula Weight:	219.51 g/mol
Quality Release Date:	06 JAN 2022

Test	Specification	Result
Appearance (Color)	White	White
Appearance (Form)	Powder or Crystal or Chunk(s)	Powder
Infrared Spectrum	Conforms to Structure	Conforms
Insoluble Matter	≤ 0.005 %	0.003 %
Calcium (Ca)	≤ 0.005 %	0.003 %
Chloride (Cl)	≤ 5 ppm	< 5 ppm
Iron (Fe)	≤ 5 ppm	< 5 ppm
Potassium (K)	≤ 0.01 %	0.00 %
Magnesium (Mg)	≤ 0.005 %	0.003 %
Sodium (Na)	≤ 0.05 %	0.03 %
Lead (Pb)	≤ 0.002 %	< 0.001 %
pH	6.0 - 7.0	6.1
Sulfate (SO4)	≤ 0.005 %	< 0.005 %
Complexometric EDTA	98.0 - 101.0 %	100.3 %
Meets ACS Requirements	Meets Requirements	Meets Requirements

Larry Coers, Director
Quality Control
Milwaukee, WI US

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

Sigma-Aldrich.

W 2979

Rec: 12/09/22

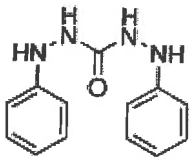
exp. 12/09/27

3050 Spruce Street, Saint Louis, MO 63103, USA
Website: www.sigmaaldrich.com
Email USA: techserv@sial.com
Outside USA: eurtechserv@sial.com

Certificate of Analysis

Product Name:
1,5-Diphenylcarbazide - ACS reagent

Product Number:	**259225**
Batch Number:	**MKCR6636**
Brand:	SIAL
CAS Number:	140-22-7
MDL Number:	MFCD00003013
Formula:	C13H14N4O
Formula Weight:	242.28 g/mol
Quality Release Date:	02 JUN 2022



Test	Specification	Result
Appearance (Color) Off-White to Pink, Light Purple or Tan	Conforms to Requirements	Pink
Appearance (Form)	Powder or Chunks	Powder
Melting Point	173.0 - 176.0 °C	173.0 °C
Infrared Spectrum	Conforms to Structure	Conforms
Residue on ignition (Ash) 15 minutes, 800 Degrees Celsius	≤ 0.05 %	0.01 %
Solubility	Pass	Pass
Sensitivity Test	Pass	Pass
Meets ACS Requirements	Current ACS Specification	Conforms

Larry Coers, Director
Quality Control
Milwaukee, WI US

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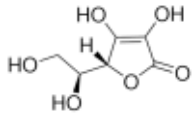
3050 Spruce Street, Saint Louis, MO 63103, USA
Website: www.sigmaaldrich.com
Email USA: techserv@sial.com
Outside USA: eurtechserv@sial.com

W3074 Rec. on 01/16/24 by IZ

Certificate of Analysis

Product Name:
L-Ascorbic acid - ACS reagent, ≥99%



Product Number:	**255564**
Batch Number:	**MKCS4627**
Brand:	SIAL
CAS Number:	50-81-7
MDL Number:	MFCD00064328
Formula:	C6H8O6
Formula Weight:	176.12 g/mol
Quality Release Date:	21 NOV 2022
Recommended Retest Date:	SEP 2025

Test	Specification	Result
Appearance (Color)	White	White
Appearance (Form) Powder, Crystals, Crystalline Powder, Granules and/or Chunks	Conforms to Requirements	Powder
Infrared Spectrum	Conforms to Structure	Conforms
Optical Rotation (+); c = 10%; Water	20.5 - 21.5 deg	20.7 deg
Titration by Iodine	≥ 99.0 %	99.4 %
Residue on Ignition	≤ 0.10 %	0.03 %
Iron (Fe)	≤ 0.001 %	< 0.001 %
Heavy Metals by ICP-OES	≤ 0.002 %	0.001 %
Recommended Retest Period 3 Years	----------	----------
Meets ACS Requirements	Current ACS Specification	Conforms

Larry Coers, Director
Quality Control
Milwaukee, WI US

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

W 3078 dec. on 1/26/24 by 12

Sigma-Aldrich.

3050 Spruce Street, Saint Louis, MO 63103, USA
Website: www.sigmaaldrich.com
Email USA: techserv@sial.com
Outside USA: eurtechserv@sial.com

Certificate of Analysis

Product Name:
Hydrazine sulfate salt - ACS reagent, ≥99.0%

$NH_2NH_2 \cdot H_2SO_4$

Product Number:	**216046**
Batch Number:	**BCCK9980**
Brand:	SIAL
CAS Number:	10034-93-2
Formula:	H4N2 · H2SO4
Formula Weight:	130,12 g/mol
Quality Release Date:	13 OCT 2023

Test	Specification	Result
Appearance (Color)	White	White
Appearance (Form)	Powder or Crystals or Chunk(s)	Crystals
Redox Titration With Iodine	≥ 99.0 %	99.4 %
Residue on Ignition	≤ 0.05 %	0.01 %
Infrared Spectrum	Conforms to Structure	Conforms
Meets ACS Requirements	Corresponds to Requirements	Corresponds
ACS Specifications Heavy Metals < = 0.002 % (as Pb), Insoluble Matter < = 0.005 % (C= 6.67%, H2O)	Corresponds to Requirements	Corresponds
Iron (Fe)	≤ 10 mg/kg	< 10 mg/kg
Chloride (Cl)	≤ 50 mg/kg	< 50 mg/kg

Dr.Reinhold Schwenninger
Quality Assurance
Buchs,Switzerland CH

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing

ThermoFisher SCIENTIFIC

Certificate of Analysis

W3081 Recieved on 02/26/2024 by IZ

Product No.: 036462

Product: Hexamethylenetetramine, ACS, 99+%

Lot No.: M02K021

Appearance White solid

Test	Limits	Results
Assay	99.0 % min	100.7 %
Loss on drying	2.0 % max	0.2 %
Heavy metals (as Pb)	0.001 % max	< 0.001 %
Residue after ignition	0.1 % max	< 0.1 %

Retest Date: January 2, 2027

Order our products online **thermofisher.com/chemicals**

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Products are processed under ISO 9001:2015 quality management systems and samples are tested for conformance to the noted specifications. Certain data may have been supplied by third parties. We disclaim the implied warranties of merchantability and fitness for a particular purpose, and the accuracy of third party data or information associated with the product. Products are for research and development use only. Products are not for direct administration to humans or animals. It is the responsibility of the final formulator or end user to determine suitability, and to qualify and/or validate each product for its intended use.

Certificate of analysis

W3082 Received on 2/26/2026 by IZ

Product No.:	A12244
Product:	Stearic acid, 98%
Lot No.:	U23E020

Appearance	White flakes
Assay	98.7 %

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BEANTOWN CHEMICAL

Certificate of Analysis

Catalog Number	123260
Product Description	Sulfanilamide, 99%
CAS Number	63-74-1
Lot Number	50091180

Test Results

	Specifications	Results
Assay (Titration HClO4)	≥ 99.0%	99.7%
Appearance/Color	White to off-white crystalline powder	White crystalline powder
Loss on drying (1g, 105°C)	≤ 0.5%	0.03%
Melting Point	163-167°C	164.7-165.3°C
Identification (FTIR)	Positive	Positive
Solubility (50 mg/ml 0.5M HCl)	Clear, colorless to faint yellow	Passes test
Suggested retest date	June 2028	

This certificate of analysis has been electronically generated and is valid without a signature.

RICCA CHEMICAL COMPANY®
1490 Lammers Pike
Batesville, IN 47006
http://www.riccachemical.com
1-888-GO-RICCA
customerservice@riccachemical.com

W3093 09412.. 04/03/2024 LG

Certificate of Analysis

Buffer, Reference Standard, pH 7.00 ± 0.01 at 25°C (Color Coded Yellow)

Lot Number: 4401F99 **Product Number:** 1551

Manufacture Date: JAN 08, 2024
Expiration Date: DEC 2025

The certified value for this product is confirmed in independent testing by a second qualified chemist.
The NIST traceable pH value is certified to ±0.01 at 25 °C only. All other pH values at their corresponding temperatures are accurate to ± 0.05.

°C	0	5	10	15	20	25	30	35	40	45	50
pH	7.12	7.09	7.06	7.04	7.02	7.00	6.99	6.98	6.98	6.97	6.97

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Phosphate Dibasic	7558-79-4	ACS
Potassium Dihydrogen Phosphate	7778-77-0	ACS
Preservative	Proprietary	
Yellow Dye	Proprietary	
Sodium Hydroxide	1310-73-2	

Test	Specification	Result	
Appearance	Yellow liquid	Passed	*Not a certified value.

Test	Certified Value	Uncertainty	NIST SRM#
pH at 25°C (Method: SQCP027, SQCP033)	7.004	0.02	186-I-g, 186-II-g, 191d

Specification	Reference
Commercial Buffer Solutions	ASTM (D 1293 B)
Buffer A	ASTM (D 5464)
Buffer A	ASTM (D 5128)

pH measurements were performed in our Batesville, IN laboratory under ISO/IEC 17025 accreditation (ANAB Certificate L2387.02) and are certified traceable to National Institute of Standards and Technology (NIST) Standard Reference Material as indicated above via an unbroken chain of comparisons. The uncertainty is calculated from the uncertainty of the measurement variation from sample to sample, the uncertainty in the NIST Standard Reference Material, and the uncertainty of the measurement process. The uncertainty is multiplied by k=2, corresponding to 95% coverage in a normal distribution. Volumetric glassware complies with Class A tolerance requirements of ASTM E 288 and NIST Circular 434; it is calibrated before first use and recalibrated regularly in accordance with ASTM E 542 and NIST Procedure NBSIR 74-461. Balances are calibrated regularly with weights certified traceable to the NIST national mass standard. Thermometers and temperature probes are calibrated before first use and recalibrated regularly with a thermometer traceable to NIST standards. All products are prepared according to master documents that assure manufacture according to validated methods. Batch records document raw material traceability and production and testing history for each lot manufactured.

Part Number	Size / Package Type	Shelf Life (Unopened Container)
1551-1	4 L natural poly	24 months
1551-1CT	4 L Cubitainer®	24 months
1551-2.5	10 L Cubitainer®	24 months
1551-5	20 L Cubitainer®	24 months

Recommended Storage: 15°C - 30°C (59°F - 86°F)

Paul Brandon (01/08/2024)
Production Manager
This document is designed to comply with ISO Guide 31 "Reference Materials -- Contents of Certificates and Labels."

This product was tested in an ISO 17025 Accredited Laboratory

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RICCA CHEMICAL COMPANY®
1490 Lammers Pike
Batesville, IN 47006
http://www.riccachemical.com
1-888-GO-RICCA
customerservice@riccachemical.com

W3095 Received on 04/09/2024 by IZ

Certificate of Analysis

Mercuric Nitrate, 0.141 Normal, 0.0705 Molar, 1 mg = 5 mL Cl^-

Lot Number: 4403N69 **Product Number:** 4740

Manufacture Date: MAR 26, 2024
Expiration Date: MAR 2026

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Mercuric Nitrate Monohydrate	7783-34-8	ACS
Nitric Acid	7697-37-2	ACS

Test	Specification	Result	NIST SRM#
Appearance	Colorless liquid	Passed	
Assay (vs. Potassium Chloride/Diphenylcarbazone)	0.1409-0.1411 N at 20°C	0.1410 N at 20°C	999

Specification	Reference
Strong Standard Mercuric Nitrate Titrant, 0.0705 M (0.141 N)	APHA (4500-Cl- C)
Mercuric Nitrate Titrant (0.141 N)	EPA (325.3)

Volumetric glassware complies with Class A tolerance requirements of ASTM E 288 and NIST Circular 434; it is calibrated before first use and recalibrated regularly in accordance with ASTM E 542 and NIST Procedure NBSIR 74-461. Balances are calibrated regularly with weights certified traceable to the NIST national mass standard. Thermometers and temperature probes are calibrated before first use and recalibrated regularly with a thermometer traceable to NIST standards. All products are prepared according to master documents that assure manufacture according to validated methods. Batch records document raw material traceability and production and testing history for each lot manufactured.

Part Number	Size / Package Type	Shelf Life (Unopened Container)
4740-16	500 mL amber glass	24 months

Recommended Storage: 15°C - 30°C (59°F - 86°F)

Paul Brandon (03/26/2024)
Production Manager

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RICCA CHEMICAL COMPANY®
W3103 Received on 4/22/24 by IZ

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Pocomoke City, MD 21851
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1-888-GO-RICCA
customerservice@riccachemical.com

Certificate of Analysis

Manganous Sulfate Solution, 364 g/L

Lot Number: 2403J02 **Product Number:** 4620

Manufacture Date: MAR 15, 2024
Expiration Date: MAR 2026

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Manganous Sulfate Monohydrate	10034-96-5	Reagent
Sulfuric Acid	7664-93-9	ACS

Test	Specification	Result
Appearance	Pink liquid	Passed
Assay (by Refractive Index)	360-368 g/L	367 g/L

Specification	Reference
Manganous Sulfate Solution	ASTM (D 888 A)
Manganous Sulfate Solution	ASTM (D 888 A)
Manganous Sulfate Solution	APHA (4500-O E)
Manganous Sulfate Solution	APHA (4500-O F)
Manganous Sulfate Solution	APHA (4500-O D)
Manganous Sulfate Solution	APHA (4500-O E)
Manganous Sulfate Solution	APHA (4500-O F)
Manganous Sulfate Solution	APHA (4500-O D)
Manganous Sulfate Solution	APHA (4500-O C)
Manganous Sulfate Solution	APHA (4500-O C)
Manganous Sulfate Solution	EPA (360.2)
Manganous Sulfate Solution	EPA (360.2)

Volumetric glassware complies with Class A tolerance requirements of ASTM E 288 and NIST Circular 434; it is calibrated before first use and recalibrated regularly in accordance with ASTM E 542 and NIST Procedure NBSIR 74-461. Balances are calibrated regularly with weights certified traceable to the NIST national mass standard. Thermometers and temperature probes are calibrated before first use and recalibrated regularly with a thermometer traceable to NIST standards. All products are prepared according to master documents that assure manufacture according to validated methods. Batch records document raw material traceability and production and testing history for each lot manufactured.

Part Number	Size / Package Type	Shelf Life (Unopened Container)
4620-32	1 L natural poly	24 months

Recommended Storage: 15°C - 30°C (59°F - 86°F)

Jose Pena (03/15/2024)
Operations Manager
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W3105 Received on 4/22/24 by IZ

Certificate of Analysis

Sodium Thiosulfate, 0.0250 Normal (N/40)

Lot Number: 4403S13 **Product Number:** 7900

Manufacture Date: MAR 29, 2024
Expiration Date: SEP 2025

This product is specially formulated to increase its stability. A preservative is added to prevent bacterial contamination. However, all Sodium Thiosulfate solutions are subject to slow chemical deterioration and should be restandardized periodically.

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Thiosulfate Pentahydrate	10102-17-7	ACS
Organic Preservative	Proprietary	
Sodium Carbonate	497-19-8	ACS

Test	Specification	Result	NIST SRM#
Appearance	Colorless liquid	Passed	
Assay (vs. Potassium Iodate/Starch)	0.02499-0.02501 N at 20°C	0.02501 N at 20°C	136

Specification	Reference
Standard Sodium Thiosulfate Solution, 0.0250 N	APHA (4500-S2- F)
Standard Sodium Thiosulfate Titrant	APHA (4500-O D)
Standard Sodium Thiosulfate Titrant	APHA (4500-O E)
Standard Sodium Thiosulfate Titrant	APHA (4500-O F)
Standard Sodium Thiosulfate Titrant, 0.025 N	APHA (4500-Cl B)
Standard Sodium Thiosulfate Titrant	APHA (4500-O C)
Standard Sodium Thiosulfate Titrant, 0.025 M	APHA (5530 C)
Standard Sodium Thiosulfate Solution (0.025 N)	EPA (SW-846) (9031)
Standard Sodium Thiosulfate solution (0.025 N)	EPA (SW-846) (9034)

Volumetric glassware complies with Class A tolerance requirements of ASTM E 288 and NIST Circular 434; it is calibrated before first use and recalibrated regularly in accordance with ASTM E 542 and NIST Procedure NBSIR 74-461. Balances are calibrated regularly with weights certified traceable to the NIST national mass standard. Thermometers and temperature probes are calibrated before first use and recalibrated regularly with a thermometer traceable to NIST standards. All products are prepared according to master documents that assure manufacture according to validated methods. Batch records document raw material traceability and production and testing history for each lot manufactured.

Part Number	Size / Package Type	Shelf Life (Unopened Container)
7900-1	4 L natural poly	18 months
7900-16	500 mL natural poly	18 months
7900-1CT	4 L Cubitainer®	18 months
7900-32	1 L natural poly	18 months

Recommended Storage: 15°C - 30°C (59°F - 86°F)

Paul Brandon (03/29/2024)
Production Manager
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Certificate of Analysis

Alkaline-Iodide-Azide, Pomeroy Formulation for Dissolved Oxygen (DO) Analysis

Lot Number: 1405D67 **Product Number:** 535

Manufacture Date: APR 05, 2024
Expiration Date: APR 2026

This solution is intended for use with samples with high Dissolved Oxygen content (above 15 mg/L) and for samples with high concentrations of organic material.

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Iodide	7681-82-5	ACS
Sodium Hydroxide	1310-73-2	ACS
Sodium Azide	26628-22-8	Reagent

Test	Specification	Result
Appearance	Colorless liquid	Passed
Free Iodine	To Pass Test	Passed

Specification	Reference
Alkaline Iodide-Sodium Azide Solution II	ASTM (D 888 A)

Volumetric glassware complies with Class A tolerance requirements of ASTM E 288 and NIST Circular 434; it is calibrated before first use and recalibrated regularly in accordance with ASTM E 542 and NIST Procedure NBSIR 74-461. Balances are calibrated regularly with weights certified traceable to the NIST national mass standard. Thermometers and temperature probes are calibrated before first use and recalibrated regularly with a thermometer traceable to NIST standards. All products are prepared according to master documents that assure manufacture according to validated methods. Batch records document raw material traceability and production and testing history for each lot manufactured.

Part Number	Size / Package Type	Shelf Life (Unopened Container)
535-32	1 L natural poly	24 months

Recommended Storage: 15°C - 30°C (59°F - 86°F)

Heidi J Green (04/05/2024)
Operations Manager

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Certificate of Analysis

Sodium Hydroxide (Pellets)

Material: 0583

Grade: ACS GRADE

Batch Number: 23B1556310

Chemical Formula: NaOH
Molecular Weight: 40
CAS #: 1310-73-2
Appearance:

Pellets

Manufacture Date: 12/14/2022
Expiration Date: 12/31/2025

Storage: Room Temperature

TEST	SPECIFICATION	ANALYSIS	DISPOSITION
Calcium	<= 0.005 %	<0.005 %	PASS
Chloride	<= 0.005 %	0.002 %	PASS
Heavy Metals	<= 0.002 %	<0.002 %	PASS
Iron	<= 0.001 %	<0.001 %	PASS
Magnesium	<= 0.002 %	<0.002 %	PASS
Mercury	<= 0.1 ppm	<0.1 ppm	PASS
Nickel	<= 0.001 %	<0.001 %	PASS
Nitrogen Compounds	<= 0.001 %	<0.001 %	PASS
Phosphate	<= 0.001 %	<0.001 %	PASS
Potassium	<= 0.02 %	<0.02 %	PASS
Purity	>= 97.0 %	99.2 %	PASS
Sodium Carbonate	<= 1.0 %	0.5 %	PASS
Sulfate	<= 0.003 %	<0.003 %	PASS

Internal ID #: 710

Signature

We certify that this batch conforms to the specifications listed.

This document has been electronically produced and is valid without a signature.

Leona Edwardson, Quality Control Sr. Manager - Solon
VWR Chemicals, LLC.
28600 Fountain Parkway, Solon OH 44139 USA

Additional Information

Analysis may have been rounded to significant digits in specification limits.

Product meets analytical specifications of the grades listed.

Certificate of Analysis

Sodium Hydroxide (Pellets)

Material: **0583**

Grade: **ACS GRADE**

Batch Number: **23B1556310**

Chemical Formula:	NaOH	Manufacture Date:	12/14/2022
Molecular Weight:	40	Expiration Date:	12/31/2025
CAS #:	1310-73-2		
Appearance:		Storage:	Room Temperature

Pellets

Spec Set: 0583ACS

Internal ID #: 710

Signature

We certify that this batch conforms to the specifications listed.

This document has been electronically produced and is valid without a signature.

Leona Edwardson, Quality Control Sr. Manager - Solon
VWR Chemicals, LLC.
28600 Fountain Parkway, Solon OH 44139 USA

Additional Information

Analysis may have been rounded to significant digits in specification limits.

Product meets analytical specifications of the grades listed.

Certificate of Analysis List

For request number 2018129

Catalog Number Entered	Lot Number Entered	Related Catalog Number	Related Lot Code	Description
2659949	4151	N/A	N/A	StablCal|sup|TS|sup Standard, 10 NTU

Total Enclosures: 1

HACH COMPANY

P.O.Box 389
Loveland, CO 80539
(970) 669-3050

An ISO 9001 Certified Company

Certificate of Analysis

COMMODITY:**StablCal|sup|TS|sup Standard, 10 NTU**
COMMODITY NUMBER: **2659949** MANUFACTURE DATE: **6/4/2024** DATE OF ANALYSIS: **6/7/2024**
LOT NUMBER: **A4151**

TEST	*SPECIFICATIONS*	*RESULTS*
Turbidity	9.5 to 10.5 NTU	9.99 NTU

The expiration date is May 2026

Formazin and StablCal® solutions provided by Hach are not NIST traceable because the NIST does not carry turbidity standards. However, the use of Formazin and StablCal® as used in Hach method 8195 are accepted by the EPA as a primary standard to be used in the calibration of turbidity instruments.

Certified by Scott Als

Scott Als
Analytical Services Chemist

BEANTOWN CHEMICAL

Certificate of Analysis

Catalog Number	123945
Product Description	Potassium nitrate, ACS, 99.0% min.
CAS Number	7757-79-1
Lot Number	50082064

Test Results

	Specifications	Results
Assay	≥99.0%	99.35%
Appearance	Colorless to white crystalline powder	Conforms
pH of a 5% solution	4.5-8.5 at 25°C	6.21
Insoluble Matter	≤0.005%	0.003%
Chloride (Cl)	≤0.002%	0.001%
Iodate (IO_3)	≤5 ppm	<3 ppm
Nitrite (NO_2)	≤0.001%	0.0008%
Phosphate (PO_4)	≤5 ppm	<3 ppm
Sulfate (SO_4)	≤0.003%	0.002%
Heavy Metals (as Pb)	≤5 ppm	<3 ppm
Iron (Fe)	≤3 ppm	<2 ppm
Calcium (Ca)	≤0.005%	<0.004%
Magnesium (Mg)	≤0.002%	0.001%
Sodium (Na)	≤0.005%	<0.0025%
Solubility	10% solution in water is clear and colorless	Conforms

Suggested retest date November 2027

This certificate of analysis has been electronically generated and is valid without a signature.

BEANTOWN CHEMICAL CORPORATION, 9 SAGAMORE PARK ROAD, HUDSON NH 03051

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Loveland, CO 80539
(970) 669-3050

An ISO 9001 Certified Company

Certificate of Analysis

PRODUCT: Chlorine Solution Ampule 50-75 mg/l

PRODUCT NUMBER: 1426810

LOT NUMBER: A4144

MANUFACTURE DATE: 05/28/2024

DATE OF ANALYSIS: 05/30/2024

TEST	SPECIFICATIONS	RESULTS
Standard Deviation for the ampules sampled	0 to 0.4 mg/L	0.10 mg/L
Mean Chlorine Concentration ampules sampled.	50 to 75 mg/L	60.9 mg/L

The expiration date is Jan 2026

Certified by: Scott Als

Analytical Services Chemist

Loveland, CO 80539
(970) 669-3050

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Certificate of Analysis

PRODUCT: Chlorine Solution Ampule 50-75 mg/l

PRODUCT NUMBER: 1426810

LOT NUMBER: A4166

MANUFACTURE DATE: 06/24/2024

DATE OF ANALYSIS: 06/25/2024

TEST	SPECIFICATIONS	RESULTS
Standard Deviation for the ampules sampled	0 to 0.4 mg/L	0.10 mg/L
Mean Chlorine Concentration ampules sampled.	50 to 75 mg/L	61.9 mg/L

The expiration date is Feb 2026

Certified by: Scott Als

Analytical Services Chemist

spectrum® CHEMICAL MFG CORP

Certificate Of Analysis

Item Number	ED150	Lot Number	2ND0156
Item	Edetate Disodium, Dihydrate, USP	CAS Number	6381-92-6
Molecular Formula	$C_{10}H_{14}N_2Na_2O_8 \cdot 2H_2O$	Molecular Weight	372.24

TEST	SPECIFICATION		RESULT
	MIN	MAX	
ASSAY (DRIED BASIS)	99.0	101.0 %	99.5 %
pH OF A 5% SOLUTION @ 25°C	4.0	6.0	4.6
LOSS ON DRYING	8.7	11.4 %	8.90 %
CALCIUM (Ca)	NO PRECIPITATE IS FORMED		NO PRECIPITATE IS FORMED
ELEMENTAL IMPURITIES:			.
NICKEL (Ni)	AS REPORTED		<0.3 ppm
CHROMIUM (Cr)	AS REPORTED		<0.3 ppm
NITRILOTRIACETIC ACID[$n[(HOCOCH_2)_3N]$]		0.1 %	<0.10 %
IDENTIFICATION A	MATCHES REFERENCE		MATCHES REFERENCE
IDENTIFICATION B	RED COLOR IS DISCHARGED, LEAVING A YELLOWISH SOLUTION		RED COLOR IS DISCHARGED, LEAVING A YELLOWISH SOLUTION
IDENTIFICATION C	MEETS THE REQUIREMENTS FOR SODIUM		MEETS THE REQUIREMENTS FOR SODIUM
CERTIFIED HALAL			CERTIFIED HALAL
EXPIRATION DATE			10-JUL-2026
DATE OF MANUFACTURE			11-JUL-2023
APPEARANCE			WHITE CRYSTALLINE POWDER
RESIDUAL SOLVENTS		AS REPORTED	NO RESIDUAL SOLVENTS PRESENT
MONOGRAPH EDITION			USP 2024

Certificate of Analysis Results Entered By:

CACEVEDO
Charmian Acevedo
22-MAY-24 08:12:30

Certificate of Analysis Results Approved By:

GHERRERA
Genaro Herrera
22-MAY-24 12:32:01

Spectrum Chemical Mfg Corp
755 Jersey Avenue
New Brunswick 08901 NJ

All pharmaceutical ingredients are tested using current edition of applicable pharmacopeia.

Read and understand label and SDS before handling any chemicals. All Spectrum's chemicals are for manufacturing, processing, repacking or research purposes by experienced personnel only. It is the customer's responsibility to provide adequate hazardous material training and ensure that appropriate Personal Protective Equipment (PPE) is used before handling any chemical.

The Elemental Impurities standards implemented by USP and other Pharmaceutical Compendia reflect a growing understanding of the toxicology of trace levels of elemental impurities that can remain in drug substances originating from either raw materials or manufacturing processes. Identifying and quantifying impurities can be critical to predicting the best possible patient outcomes. Elemental Impurities has been a requirement of all products meeting USP/NF, EP and BP monographs since January 1, 2018. More information can be found in USP sections <232> Elemental Impurities – Limits and <233> Elemental Impurities – Procedures. Data for drug substances furnished by Spectrum Chemical Mfg. Corp can be used to ensure that patient daily exposures by oral administration to the selected elements are not exceeded in the formulation of pharmaceutical products.

ThermoFisher SCIENTIFIC

Certificate of Analysis

W3139 Received on 9/9/24 by IZ

Product No.:	A12044
Product:	Chloramine-T trihydrate, 98%
Lot No.:	10239484

Appearance:	White powder
Melting Point:	166°C(dec)
Assay (Iodometric titration):	100.5%
Identification (FTIR):	Conforms

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Products are processed under ISO 9001:2015 quality management systems and samples are tested for conformance to the noted specifications. Certain data may have been supplied by third parties. We disclaim the implied warranties of merchantability and fitness for a particular purpose, and the accuracy of third party data or information associated with the product. Products are for research and development use only. Products are not for direct administration to humans or animals. It is the responsibility of the final formulator or end user to determine suitability, and to qualify and/or validate each product for its intended use.

CORCO CHEMICAL CORPORATION

Manufacturers of ACS Reagents and Semiconductor Grade Chemicals

W3141 Rec on 9/18/24 by IZ

CERTIFICATE OF ANAYLYSIS

Date: 11/10/2023 **Lot No. 431110**

Ammonium Hydroxide, ACS
Reagent Grade

TEST	MAXIMUM LIMITS	RESULT
Appearance	Colorless and free from Suspended matter or sediment	Pass
Assay	28-30%	29.85%
Residue after ignition	0.002%	.0005%
Carbon Dioxide (CO_2)	0.002%	.0001%
Chloride	0.5 ppm	<.2 ppm
Phosphate (PO_4)	2 ppm	< 1 ppm
Total Sulfur (as SO_4)	2 ppm	< 1 ppm
Heavy Metals (as Pb)	0.5 ppm	< .05 ppm
Iron (Fe)	0.2 ppm	< .02 ppm
Sub. Red. Permanganate	Passes Test	Pass
Nitrate (NO_3)	2 ppm	< 1 ppm
Specific Gravity @ 60 Degrees	0.896- 0.902	Pass

Date of MFG: 11/2023
Retest Date: 11/2025

CORCO CHEMICAL CORPORATION. 299 CEDAR LANE. FAIRLESS HILLS PA 19030. 215-295-5006. FAX 215-295-0781

Loveland, CO 80539
(970) 669-3050

An ISO 9001 Certified Company

Certificate of Analysis

PRODUCT: DPD Total Chlorine Reagent

PRODUCT NUMBER: 1406499

LOT NUMBER: A4230

MANUFACTURE DATE: 08/27/2024

DATE OF ANALYSIS: 08/28/2024

TEST	SPECIFICATIONS	RESULTS
Percent Recovery for a 2.5 ppm Standard. Chlorine concentration determined using DPD compared to the actual concentration.	93 to 107 %	95.7 %
pH of reagent in 50 mL of DI water.	6.2 to 6.5	6.40
Percent Recovery for a 5.0 ppm Standard. Chlorine concentration determined using DPD compared to the actual concentration.	93 to 107 %	96.2 %
Hardness Blank: 1000 ppm as Calcium Carbonate Hardness standard vs DI water measured at 530 nm in 1 cm cells.	0 to 0.009 abs	0.0020 abs

The expiration date is Aug 2029

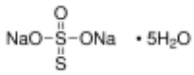
Certified by: Scott Abs

Analytical Services Chemist

3050 Spruce Street, Saint Louis, MO 63103, USA
Website: www.sigmaaldrich.com
Email USA: techserv@sial.com
Outside USA: eurtechserv@sial.com

Certificate of Analysis

Product Name:
Sodium thiosulfate pentahydrate - ACS reagent, ≥99.5%



Product Number:	**217247**
Batch Number:	**MKCW3077**
Brand:	SIGALD
CAS Number:	10102-17-7
MDL Number:	MFCD00149186
Formula:	Na2O3S2 · 5H2O
Formula Weight:	248.18 g/mol
Quality Release Date:	12 JUL 2024
Recommended Retest Date:	JUL 2029

Test	Specification	Result
Appearance (Color)	Colorless or White	White
Appearance (Form)	Powder or Crystals or Pellets	Crystals
ICP Major Analysis Confirms Sodium and Sulfur Components	Confirmed	Confirmed
Titration by Iodine	99.5 - 101.0 %	100.2 %
pH c = 5%; Water; At 25 Deg C	6.0 - 8.4	6.1
Insoluble Matter c = 10%; Water	≤ 0.005 %	< 0.001 %
Nitrogen Compounds	≤ 0.002 %	< 0.002 %
Sulfate & Sulfite (as SO4)	≤ 0.1 %	< 0.1 %
Sulfide	Pass	Pass
Meets ACS Requirements	Current ACS Specification	Conforms
Recommended Retest Period 5 Years	----------	----------

Larry Coers, Director
Quality Control
Milwaukee, WI US

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

RICCA CHEMICAL COMPANY®

W3149 Received on 10/16/24 by IZ

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Batesville, IN 47006
http://www.riccachemical.com
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Certificate of Analysis

Starch Indicator, 0.5% (w/v), Mercury Free, for Iodometric Titrations

Lot Number: 4408P62 **Product Number:** 8000

Manufacture Date: AUG 28, 2024
Expiration Date: AUG 2026

This product is Mercury-free.

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Starch, soluble	9005-84-9	ACS
Salicylic Acid	69-72-7	ACS

Test	Specification	Result
Appearance	White translucent liquid	Passed
Suitability for Use	Colorless (Iodine absent) - Blue (Iodine present)	Passed

Specification	Reference
Starch Solution	APHA (4500-S2- F)
Starch Indicator Solution	APHA (4500-Cl B)
Starch Indicator	APHA (4500-SO32- B)
Starch indicator solution	APHA (2350 B)
Starch indicator solution	APHA (2350 E)
Starch Solution	APHA (510 B)
Starch Solution	APHA (5530 C)
Starch Indicator	APHA (4500-Cl C)
Starch Indicator	EPA (345.1)

Volumetric glassware complies with Class A tolerance requirements of ASTM E 288 and NIST Circular 434; it is calibrated before first use and recalibrated regularly in accordance with ASTM E 542 and NIST Procedure NBSIR 74-461. Balances are calibrated regularly with weights certified traceable to the NIST national mass standard. Thermometers and temperature probes are calibrated before first use and recalibrated regularly with a thermometer traceable to NIST standards. All products are prepared according to master documents that assure manufacture according to validated methods. Batch records document raw material traceability and production and testing history for each lot manufactured.

Part Number	Size / Package Type	Shelf Life (Unopened Container)
8000-1	4 L natural poly	24 months
8000-16	500 mL natural poly	24 months
8000-32	1 L natural poly	24 months

Recommended Storage: 15°C - 30°C (59°F - 86°F)

Paul Brandon (08/28/2024)
Production Manager

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Certificate of Analysis

ThermoFisher SCIENTIFIC

Certificate of Analysis

1 Reagent Lane
Fair Lawn, NJ 07410
201.796.7100 tel
201.796.1329 fax

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by SAI Global Certificate Number CERT – 0120633

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Thermo Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to humans or animals. It is the responsibility of the final formulator and end user to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

Catalog Number	SA226	Quality Test / Release Date	03/18/2024
Lot Number	235420		
Description	SULFURIC ACID, 0.02N, CERTIFIED		
Country of Origin	United States	Suggested Retest Date	Mar/2029

N/A			
Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Clear, colorless liquid
COLOR	APHA	<= 5	<5
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
NORMALITY		Inclusive Between 0.0198 - 0.0202	0.0200
TRACEABLE TO NIST KHP STD	POT. ACID PHTHALATE	= LOT 84L	SRM 84l

Harout Sahagian - Quality Control Manager - Fair Lawn

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.
If there are any questions with this certificate, please call at (800) 227-6701.
*Based on suggested storage condition.

Chem-Impex International, Inc.

Tel: (630) 766-2112
E-mail: sales@chemimpex.com
Shipping and Correspondence:
935 Dillon Drive
Wood Dale, IL 60191

Fax: (630) 766-2218
Web site: www.chemimpex.com
Manufacturing site:
825 Dillon Drive
Wood Dale, IL 60191

Certificate of Analysis

Catalogue Number	01237
Lot Number	002126-2019-201
Product	**Magnesium chloride hexahydrate**
	Magnesium chloride•$6H_2O$
CAS Number	7791-18-6
Molecular Formula	$MgCl_2$•$6H_2O$
Molecular Weight	203.3

Appearance	White crystals
Solubility	167 g in 100 mL water
Melting Point	~ 115 °C
Heavy Metals	4.393 ppm
Anion	Nitrate (NO_3) : < 0.001% Phosphate (PO_4) : < 5 ppm Sulfate (SO_4) : < 0.002%
Cation	Ammonium (NH_4) : < 0.002% Barium (Ba) : 0.005% Calcium (Ca) : 0.01% Iron (Fe) : 4.5 ppm Manganese (Mn) : 0.624 ppm Potassium (K) : 0.004% Sodium (Na) : 0.000003% Strontium (Sr) : 0.005%
Insoluble material	0.0021%
Assay by titration	100.83%
Grade	ACS reagent
Storage	Store at RT

Certificate of Analysis

Catalog Number: 01237 **Lot Number: 002126-2019-201**

Remarks	See material safety data sheet for additional information
	For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier

Bala Kumar
Quality Control Manager

W3163 Rec. on 12/10/24 by IZ

Certificate of Analysis

Material	BDH9284-2.5KG
Material Description	BDH SODIUM CARB ANHYD ACS 2.5KG
Grade	U S P REAGENT (ACS GRADE)
Batch	24E3156178
Reassay Date	09/30/2027
CAS Number	497-19-8
Molecular Formula	Na2CO3
Molecular Mass	105.99
Date of Manufacture	09/01/2023
Storage	Room Temperature

Material is hygroscopic. Protect from Moisture.
Additional Product Description:

Characteristics	Specifications	Measured Values
Appearance	Fine white granular powder	Fine white granular powder
Calcium	<= 0.03 %	0.003 %
Chloride	<= 0.001 %	0.0003 %
Heavy Metals (as Pb)	<= 0.0005 %	0.0001 %
Insolubles	<= 0.01 %	0.001 %
Iron	<= 0.0005 %	0.0001 %
Loss on Heating	<= 1.0 %	0.03 %
Magnesium	<= 0.005 %	0.001 %
Phosphate	<= 0.001 %	0.001 %
Potassium	<= 0.005 %	0.003 %
Purity	>= 99.5 %	100.0 %
Silica	<= 0.005 %	0.001 %
Sulfur Compounds	<= 0.003 %	0.002 %

Extra Description: Meets Reagent Specifications for testing USP/NF monographs

Internal ID #: 710

Signature

We certify that this batch conforms to the specifications listed above.

This document has been electronically produced and is valid without a signature.

Leona Edwardson, Quality Control Sr. Manager - Solon
VWR Chemicals, LLC.
28600 Fountain Parkway, Solon OH 44139 USA

Additional Information

Analysis may have been rounded to significant digits in specification limits

Product meets analytical specifications of the grades listed.

Certificate of Analysis

Magnesium Sulfate Heptahydrate

Material: 0662
Grade: ACS GRADE
Batch Number: 24J2856877

Chemical Formula: MgSO4.7H2O
Molecular Weight: 246.48
CAS #: 10034-99-8
Appearance:

White powder

Manufacture Date: 05/29/2023
Reassay Date: 05/29/2027

Storage: Room Temperature

TEST	SPECIFICATION	ANALYSIS	DISPOSITION
Ammonium	<= 0.002 %	<0.001 %	PASS
Calcium	<= 0.02 %	<0.0005 %	PASS
Chloride	<= 0.0005 %	0.0001 %	PASS
Heavy Metals (as Pb)	<= 0.0005 %	<0.0001 %	PASS
Insolubles	<= 0.005 %	<0.0002 %	PASS
Iron	<= 0.0005 %	<0.00001 %	PASS
Manganese	<= 0.0005 %	<0.0001 %	PASS
Nitrate	<= 0.002 %	<0.001 %	PASS
pH (5%, Water) @25C	5.0 - 8.2	6.3	PASS
Potassium	<= 0.005 %	<0.001 %	PASS
Purity	98.0 - 102.0 %	100.1 %	PASS
Sodium	<= 0.005 %	<0.001 %	PASS
Strontium	<= 0.005 %	<0.00001 %	PASS

Internal ID #: 793

Signature

We certify that this batch conforms to the specifications listed.

This document has been electronically produced and is valid without a signature.

Leona Edwardson, Quality Control Sr. Manager - Solon
VWR Chemicals, LLC.
28600 Fountain Parkway, Solon OH 44139 USA

Additional Information

Analysis may have been rounded to significant digits in specification limits.

Product meets analytical specifications of the grades listed.

Certificate of Analysis

Magnesium Sulfate Heptahydrate

Material: 0662
Grade: ACS GRADE
Batch Number: 24J2856877

Chemical Formula:	MgSO4.7H2O	Manufacture Date:	05/29/2023
Molecular Weight:	246.48	Reassay Date:	05/29/2027
CAS #:	10034-99-8		
Appearance:		Storage:	Room Temperature

White powder

Spec Set: 0662ACS

Internal ID #: 793

Signature

We certify that this batch conforms to the specifications listed.

This document has been electronically produced and is valid without a signature.

Leona Edwardson, Quality Control Sr. Manager - Solon
VWR Chemicals, LLC.
28600 Fountain Parkway, Solon OH 44139 USA

Additional Information

Analysis may have been rounded to significant digits in specification limits.

Product meets analytical specifications of the grades listed.

Certificate of Analysis

Material	BDH9260-500G
Material Description	BDH POTASS HYDRGN PHTHLTE 500G
Grade	ACS GRADE
Batch	24H0956262
Reassay Date	04/28/2026
CAS Number	877-24-7
Molecular Formula	HOOCC6H4COOK
Molecular Mass	204.22
Date of Manufacture	04/29/2023
Storage	Room Temperature

Characteristics	Specifications	Measured Values
Appearance	White crystals.	White crystals.
Assay (dried basis)	99.95 - 100.05 %	99.98 %
Chlorine Compounds	<= 0.003 %	<0.003 %
Heavy Metals (as Pb)	<= 5 ppm	<5 ppm
Insoluble Matter	<= 0.005 %	0.003 %
Iron	<= 5 ppm	<5 ppm
pH (0.05M, Water) @25C	4.00 - 4.02	4.00
Sodium	<= 0.005 %	<0.005 %
Sulfur Compounds	<= 0.002 %	<0.002 %

Internal ID #: 322

Signature

We certify that this batch conforms to the specifications listed above.

This document has been electronically produced and is valid without a signature.

Leona Edwardson, Quality Control Sr. Manager - Solon
VWR Chemicals, LLC.
28600 Fountain Parkway, Solon OH 44139 USA

Additional Information

Analysis may have been rounded to significant digits in specification limits

Product meets analytical specifications of the grades listed.

BEANTOWN CHEMICAL

Certificate of Analysis

Catalog Number	212760
Product Description	4-Aminoantipyrine, 97%
CAS Number	83-07-8
Lot Number	50107308

Test Results

	Specifications	**Results**
Assay	≥97.0% min	99.61%
Appearance	Light yellow to tan fine crystals	Conforms
Identification	To pass test	Passes test
Melting Point	107-109°C	107.5-108.6°C
Sensitivity to phenol	To pass test	Passes test
Residue after Ignition	≤0.10%	0.09%
Loss on drying	≤0.5%	0.08%
Clarity of solution (1g/20ml water)	Clear solution	Clear solution
Clarity of solution (1g/20ml EtOH)	Clear solution	Clear solution
Suggested retest date	July 2028	

This certificate of analysis has been electronically generated and is valid without a signature.

BEANTOWN CHEMICAL CORPORATION, 9 SAGAMORE PARK ROAD, HUDSON NH 03051

WWW.BEANTOWNCHEM.COM TOLL FREE: 1-844-891-6306 EMAIL: TECHNICAL@BEANTOWNCHEM.COM

RICCA CHEMICAL COMPANY®

1841 Broad Street
Pocomoke City, MD 21851
http://www.riccachemical.com
1-888-GO-RICCA
customerservice@riccachemical.com

Certificate of Analysis

W3178 58

Buffer, Reference Standard, pH 4.00 ± 0.01 at 25°C (Color Coded Red)

Lot Number: 2411A93 **Product Number:** 1501 **Manufacture Date:** NOV 04, 2024
Expiration Date: OCT 2026

The certified value for this product is confirmed in independent testing by a second qualified chemist.
The NIST Traceable pH value is certified to ±0.01 at 25 °C only. All other pH values at their corresponding temperatures are accurate to ± 0.05.

°C	0	5	10	15	20	25	30	35	40	45	50
pH	4.00	4.00	4.00	4.00	4.00	4.00	4.01	4.02	4.03	4.04	4.06

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Acid Phthalate	877-24-7	Buffer
Preservative	Proprietary	Commercial
Red Dye	Proprietary	Purified

Test	Specification	Result	
Appearance	Red liquid	Passed	*Not a certified value.

Test	Certified Value	Uncertainty	NIST SRM#
pH at 25°C (Method: SQCP027, SQCP033)	4.008	0.02	185i, 186-I-g, 186-II-g

Specification	Reference
Commercial Buffer Solutions	ASTM (D 1293 B)
Buffer B	ASTM (D 5464)
Buffer B	ASTM (D 5128)

pH measurements were performed in our Pocomoke City, MD laboratory under ISO/IEC 17025 accreditation (ANAB Certificate L2387.01) and are certified traceable to National Institute of Standards and Technology (NIST) Standard Reference Material as indicated above via an unbroken chain of comparisons. The uncertainty is calculated from the uncertainty of the measurement variation from sample to sample, the uncertainty in the NIST Standard Reference Material, and the uncertainty of the measurement process. The uncertainty is multiplied by k=2, corresponding to 95% coverage in a normal distribution. Volumetric glassware complies with Class A tolerance requirements of ASTM E 288 and NIST Circular 434; it is calibrated before first use and recalibrated regularly in accordance with ASTM E 542 and NIST Procedure NBSIR 74-461. Balances are calibrated regularly with weights certified traceable to the NIST national mass standard. Thermometers and temperature probes are calibrated before first use and recalibrated regularly with a thermometer traceable to NIST standards. All products are prepared according to master documents that assure manufacture according to validated methods. Batch records document raw material traceability and production and testing history for each lot manufactured.

Part Number	Size / Package Type	Shelf Life (Unopened Container)
1501-16	500 mL natural poly	24 months
1501-2.5	10 L Cubitainer®	24 months
1501-5	20 L Cubitainer®	24 months

Recommended Storage: 15°C - 30°C (59°F - 86°F)

INORGANIC VENTURES™
Refine your results. Redefine your industry.

Certificate of Analysis

300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

P: 800-669-6799/540-585-3030
F: 540-585-3012
info@inorganicventures.com

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Ion Chromatography Solution
Catalog Number:	300-CAL-A
Lot Number:	V2-MEB742616
Matrix:	H2O
Value / Analyte(s):	150 µg/mL ea: Sulfate, 100 µg/mL ea: Bromide, 50 µg/mL ea: o-Phosphate as P, 30 µg/mL ea: Chloride, Nitrite as N, 25 µg/mL ea: Nitrate as N, 20 µg/mL ea: Fluoride

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Bromide, Br	100.0 ± 0.5 µg/mL	Chloride, Cl	30.01 ± 0.13 µg/mL
Fluoride, F-	20.00 ± 0.07 µg/mL	Nitrate as N, NNO3-	25.00 ± 0.10 µg/mL
Nitrite as N, NNO2-	30.00 ± 0.10 µg/mL	o-Phosphate as P, PPO4	50.00 ± 0.18 µg/mL
Sulfate, SO4	150.0 ± 0.8 µg/mL		

Density: 0.999 g/mL (measured at 20 ± 4 ºC)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
Br	IC Assay	3184	151130
Br	Fajans	999c	999c
Cl	IC Assay	3182	190830
Cl	Fajans	999c	999c
F-	IC Assay	3183	140203
NNO3-	IC Assay	3185	170309
NNO2-	IC Assay	Traceable to 40H	08228TH-H2
NNO2-	Calculated	40h	40h
PPO4	IC Assay	3186	170606
SO4	IC Assay	3181	080603

- The Calculated Value is a value calculated from the weight of a starting material that has been certified directly vs. a National Institute of Standards and Technology (NIST) SRM/RM. See Sec 4.2 for balance traceability.

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\,(u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\,(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 CHROMATOGRAM

N/A

6.0 INTENDED USE

6.1 This standard is intended for the calibration of analytical instruments and validation of analytical methods as appropriate. This CRM may be used in connection with EPA Methods 6010, 6020 (all versions), Standard Methods 3120 B and USP <232> / ICH Q3D.

6.2 For products attaining traceability through Inorganic Ventures' Primary Certified Reference Materials (PCRM™) see the Limited License to Use PCRM™ in the Inorganic Ventures Terms and Conditions of Sale, https://www.inorganicventures.com/terms-and-conditions-sale. The Terms and Conditions contain information on the use of materials traceable to PCRM™ certified reference materials. This Limited License agreement is especially pertinent for laboratories accredited under ISO:17034.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

April 02, 2024

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- April 02, 2029

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

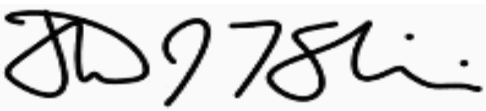
12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Prepared By:

Uyen Truong
Custom Processing Supervisor

Certificate Approved By:

Thomas Kozikowski
Stock VS Manager



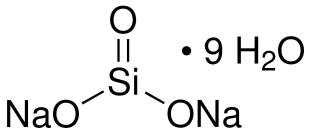
Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director

3050 Spruce Street, Saint Louis, MO 63103, USA
Website: www.sigma-aldrich.com
Email USA: techserv@sial.com
Outside USA: eurtechserv@sial.com

Certificate of Analysis

Product Name : **Sodium metasilicate nonahydrate ≥98%**
Product Number : **S4392-BULK**
Batch Number : **SLCM8472**
CAS Number : 13517-24-3
MDL Number : MFCD00149175
Molecular Formula : $Na_2O_3Si \cdot 9H_2O$
Formula Weight : 284.20 g/mol
Date Retested : 24 Jan 2025
Recommended Retest Date : Jan 2028
Quality Release Date : 14 Mar 2022



Test	Specification	Result
Appearance (Color)	White	White
Appearance (Form)	Powder	Powder
Solubility (Color)	Colorless	Colorless
Solubility (Turbidity) 50 mg/ml, H2O	Clear	Clear
Titration with HCl	≥ 98 %	100 %

J. Yasomanee

Jagodige Yasomanee, Supervisor
Quality Assurance
St. Louis, Dekalb
US

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchase must determine the suitability of the product for its particular use. See reverse side of website or packing slip for additional terms and conditions of sale

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For further information please contact mlsbranding@sial.com

Certificate of Analysis

Material	BDH9274-2.5KG
Material Description	BDH SAND STDD OTTAWA W+I 2.5KG
Grade	NOT APPLICABLE
Batch	25A2756718
Reassay Date	12/31/2028
CAS Number	14808-60-7
Molecular Formula	SiO2
Molecular Mass	60.09
Date of Manufacture	12/05/2024
Storage	Room Temperature

Characteristics	Specifications	Measured Values
Appearance	Beige granules.	Beige granules.
Moisture	<= 0.1 %	0.1 %
Particle Size 30-40 mesh	>= 80 %	99 %
CUSTOMER PART # BDH9274-2.5KG		

Internal ID #: 793

Signature

We certify that this batch conforms to the specifications listed above.

This document has been electronically produced and is valid without a signature.

Leona Edwardson, Quality Control Sr. Manager - Solon
VWR Chemicals, LLC.
28600 Fountain Parkway, Solon OH 44139 USA

Additional Information

Analysis may have been rounded to significant digits in specification limits

Product meets analytical specifications of the grades listed.

Certificate of Analysis

Item Number	Product Description	Lot Number
SX0770-1	Sodium Sulfide Nonahydrate, ACS Grade, 500GM	250330
Formula	**Molecular Weight**	**CAS Number**
$Na_2S \bullet 9H_2O$	240.18 g/mol	1313-84-4

QC TEST/RELEASE DATE: 02/19/2025 **SUGGESTED RETEST DATE:** 06/30/2026

S.No	Test	Unit	Specifications	Test Value
1	Appearance (Color)		Colorless to Very Faint Yellow and White to Faint Yellow	White
2	Appearance (Form)		Crystals or Chunks	Crystals
3	Titration by $Na_2S_2O_3$	%	≥ 98.0	98.1
4	Ammonium (NH_4)	%	≤ 0.005	< 0.005
5	Assay (Sulfite and Thiosulfate)	%	≤ 0.1	0.08
6	Iron (Fe)		Pass	passed
7	BSE/TSE Free		BSE/TSE Free	passed
8	Grade		Meets ACS Specifications	passed
9	Country of Origin		Ukraine	Ukraine

Intended for laboratory and manufacturing use only. Not for drug, food, or household use.
This is an electronically generated document and does not require signatures.

Certified By : Joe Schoellkopff,
Quality Control Manager

EMD Millipore is a division of Merck KGaA, Darmstadt, Germany

EMD Millipore Corporation
400 Summit Drive
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1-888-GO-RICCA
customerservice@riccachemical.com

W3191 W3191 Receive Date: 03/18/25 JP

Certificate of Analysis

Buffer, Reference Standard, pH 10.00 ± 0.01 at 25°C (Color Coded Blue)

Lot Number: 2410F80 **Product Number:** 1601 **Manufacture Date:** OCT 09, 2024
Expiration Date: MAR 2026

The certified value for this product is confirmed in independent testing by a second qualified chemist.
The NIST traceable pH value is certified to ±0.01 at 25 °C only. All other pH values at their corresponding temperatures are accurate to ± 0.05.

°C	0	5	10	15	20	25	30	35	40	50
pH	10.31	10.23	10.17	10.11	10.05	10.00	9.95	9.91	9.87	9.81

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Carbonate	497-19-8	ACS
Sodium Bicarbonate	144-55-8	ACS
Sodium Hydroxide	1310-73-2	Reagent
Preservative	Proprietary	
Blue Dye	Proprietary	

Test	Specification	Result	
Appearance	Blue liquid	Passed	*Not a certified value.

Test	Certified Value	Uncertainty	NIST SRM#
pH at 25°C (Method: SQCP027, SQCP033)	10.009	0.02	186-I-g, 186-II-g, 191d

Specification	Reference
Commercial Buffer Solutions	ASTM (D 1293 B)
Buffer C	ASTM (D 5464)
Buffer C	ASTM (D 5128)

pH measurements were performed in our Pocomoke City, MD laboratory under ISO/IEC 17025 accreditation (ANAB Certificate L2387.01) and are certified traceable to National Institute of Standards and Technology (NIST) Standard Reference Material as indicated above via an unbroken chain of comparisons. The uncertainty is calculated from the uncertainty of the measurement variation from sample to sample, the uncertainty in the NIST Standard Reference Material, and the uncertainty of the measurement process. The uncertainty is multiplied by k=2, corresponding to 95% coverage in a normal distribution. Volumetric glassware complies with Class A tolerance requirements of ASTM E 288 and NIST Circular 434; it is calibrated before first use and recalibrated regularly in accordance with ASTM E 542 and NIST Procedure NBSIR 74-461. Balances are calibrated regularly with weights certified traceable to the NIST national mass standard. Thermometers and temperature probes are calibrated before first use and recalibrated regularly with a thermometer traceable to NIST standards. All products are prepared according to master documents that assure manufacture according to validated methods. Batch records document raw material traceability and production and testing history for each lot manufactured.

Part Number	Size / Package Type	Shelf Life (Unopened Container)
1601-1	4 L natural poly	18 months
1601-16	500 mL natural poly	18 months
1601-1CT	4 L Cubitainer®	18 months
1601-2.5	10 L Cubitainer®	18 months
1601-32	1 L natural poly	18 months
1601-5	20 L Cubitainer®	18 months

W3195 Received on 03/19/2025 by IZ

Certificate of Analysis

Material	BDH9208-500G
Material Description	BDH AMMONIUM CHLORIDE ACS 500G
Grade	U S P REAGENT (ACS GRADE)
Batch	24L0356561
Reassay Date	08/31/2027
CAS Number	12125-02-9
Molecular Formula	NH4Cl
Molecular Mass	53.49
Date of Manufacture	08/01/2024
Storage	Room Temperature

Characteristics	Specifications	Measured Values
Appearance	White granular powder	White granular powder
Calcium	<= 0.001 %	0.001 %
Heavy Metals (as Pb)	<= 0.0005 %	<0.0002 %
Insolubles	<= 0.005 %	0.001 %
Iron	<= 0.0002 %	<0.0002 %
Magnesium	<= 0.0005 %	0.0001 %
pH (5%, Water) @25C	4.5 - 5.5	4.8
Phosphate	<= 0.0002 %	<0.0002 %
Purity	>= 99.5 %	99.8 %
Residue on Ignition	<= 0.01 %	0.003 %
Sulfate	<= 0.002 %	<0.002 %

Extra Description: Meets Reagent Specifications for testing USP/NF monographs

Internal ID #: 710

Signature

We certify that this batch conforms to the specifications listed above.

This document has been electronically produced and is valid without a signature.

Leona Edwardson, Quality Control Sr. Manager - Solon
VWR Chemicals, LLC.
28600 Fountain Parkway, Solon OH 44139 USA

Additional Information

Analysis may have been rounded to significant digits in specification limits

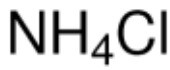
Product meets analytical specifications of the grades listed.

3050 Spruce Street, Saint Louis, MO 63103, USA
Website: www.sigmaaldrich.com
Email USA: techserv@sial.com
Outside USA: eurtechserv@sial.com

W3196 Received on 03/19/2025 by IZ

Certificate of Analysis

Product Name:
Ammonium chloride - ACS reagent, ≥99.5%



Product Number:	**213330**
Batch Number:	**MKCV1009**
Brand:	SIGALD
CAS Number:	12125-02-9
MDL Number:	MFCD00011420
Formula:	H4ClN
Formula Weight:	53.49 g/mol
Quality Release Date:	23 OCT 2023
Recommended Retest Date:	SEP 2026

Test	Specification	Result
Appearance (Color)	White	White
Appearance (Form)	Powder or Crystals or Chunk(s)	Crystals
Titration by AgNO3	≥ 99.5 %	100.2 %
pH @ 25 Deg c (5% Solution)	4.5 - 5.5	4.9
Insoluble Matter 10%, H2O	≤ 0.005 %	0.001 %
Residue on ignition (Ash)	≤ 0.01 %	< 0.01 %
Calcium (Ca)	≤ 0.001 %	< 0.001 %
Magnesium (Mg)	≤ 5 ppm	1 ppm
Heavy Metals by ICP	≤ 5 ppm	< 1 ppm
Iron (Fe)	≤ 2 ppm	< 1 ppm
Phosphate (PO4)	≤ 2 ppm	< 2 ppm
Sulfate (SO4)	≤ 0.002 %	< 0.002 %
Meets ACS Requirements	Current ACS Specification	Conforms
Recommended Retest Period 3 Years	----------	----------

Larry Coers, Director

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

3050 Spruce Street, Saint Louis, MO 63103, USA
Website: www.sigmaaldrich.com
Email USA: techserv@sial.com
Outside USA: eurtechserv@sial.com

Certificate of Analysis

Product Number: **213330**
Batch Number: **MKCV1009**

Quality Control
Milwaukee, WI US

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

W3198 Received on 4/11/2025 by IZ

3050 Spruce Street, Saint Louis, MO 63103, USA
Website: www.sigmaaldrich.com
Email USA: techserv@sial.com
Outside USA: eurtechserv@sial.com

Certificate of Analysis

Product Name:
Potassium phosphate monobasic - ACS reagent, ≥99.0%

KH_2PO_4

Product Number:	**P0662**
Batch Number:	**MKCW6723**
Brand:	SIGALD
CAS Number:	7778-77-0
MDL Number:	MFCD00011401
Formula:	H2KO4P
Formula Weight:	136.09 g/mol
Quality Release Date:	16 OCT 2024
Recommended Retest Date:	OCT 2028

Test	Specification	Result
Appearance (Color)	White	White
Appearance (Form)	Powder or Crystals	Crystals
Assay	≥ 99.0 %	99.8 %
Insoluble Matter	≤ 0.01 %	< 0.01 %
Loss on Drying At 105ºC	≤ 0.2 %	< 0.1 %
pH (c = 5%, 25 deg C)	4.1 - 4.5	4.5
Chloride Content	≤ 0.001 %	< 0.001 %
Sulfate (SO4)	≤ 0.003 %	< 0.003 %
Heavy Metals by ICP	≤ 0.001 %	< 0.001 %
Iron (Fe)	≤ 0.002 %	< 0.001 %
Sodium (Na)	≤ 0.005 %	< 0.001 %
Recommended Retest Period 4 Years	----------	----------

Larry Coers, Director
Quality Control
Milwaukee, WI US

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

Certificate of Analysis

W3199 Received on04/11/2025 by IZ

Material	BDH9312-2.5KG
Material Description	COPPER SULFATE CRYST 2500GM
Grade	U S P REAGENT (ACS GRADE)
Batch	24H0956271
Reassay Date	05/31/2027
CAS Number	7758-99-8
Molecular Formula	CuSO4.5H2O
Molecular Mass	249.68
Date of Manufacture	05/01/2024
Storage	Room Temperature

Characteristics	Specifications	Measured Values
Appearance	Blue crystals	Blue crystals
Calcium	<= 0.005 %	0.003 %
Chloride	<= 0.001 %	0.0001 %
Insolubles	<= 0.005 %	0.001 %
Iron	<= 0.003 %	0.001 %
Nickel	<= 0.005 %	0.003 %
Nitrogen Compounds (as N)	<= 0.002 %	0.001 %
Potassium	<= 0.01 %	0.0004 %
Purity	98.0 - 102.0 %	99.7 %
Sodium	<= 0.02 %	0.003 %

Extra Description: Meets Reagent Specifications for testing USP/NF monographs

CUSTOMER PART# BDH9312-2.5KG

Internal ID #: 793

Signature

We certify that this batch conforms to the specifications listed above.

This document has been electronically produced and is valid without a signature.

Leona Edwardson, Quality Control Sr. Manager - Solon
VWR Chemicals, LLC.
28600 Fountain Parkway, Solon OH 44139 USA

Additional Information

Analysis may have been rounded to significant digits in specification limits

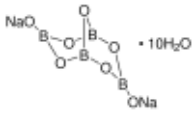
Product meets analytical specifications of the grades listed.

3050 Spruce Street, Saint Louis, MO 63103, USA
Website: www.sigmaaldrich.com
Email USA: techserv@sial.com
Outside USA: eurtechserv@sial.com

W3201 Received on 4/16/25 by IZ

Certificate of Analysis

Product Name:
Sodium tetraborate decahydrate - ACS reagent, ≥99.5%



Product Number:	**S9640**
Batch Number:	**BCCL9613**
Brand:	SIGALD
CAS Number:	1303-96-4
Formula:	B4Na2O7 · 10H2O
Formula Weight:	381,37 g/mol
Quality Release Date:	05 JUL 2024
Recommended Retest Date:	MAY 2029

Test	Specification	Result
Appearance (Color)	White	White
Appearance (Form)	Powder or Crystals	Powder
Titration with NaOH	99.5 - 105.0 %	100.7 %
pH	9.15 - 9.20	9.20
0.01 m Solution at 25 Deg C		
Meets ACS Requirements	Corresponds to Requirements	Corresponds
ACS Specifications	Corresponds to Requirements	Corresponds
Insoluble Matter <= 0.005% / Heavy		
Metals (As Pb) <= 0.001%		
Calcium (Ca)	≤ 50 mg/kg	< 50 mg/kg
Iron (Fe)	≤ 5 mg/kg	< 5 mg/kg
Total Sulfur	≤ 50 mg/kg	< 50 mg/kg
as SO4 (ICP)		
Chloride (Cl)	≤ 10 mg/kg	< 10 mg/kg
Phosphate (PO4)	≤ 10 mg/kg	< 10 mg/kg

Dr.Reinhold Schwenninger
Quality Assurance
Buchs,Switzerland CH

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

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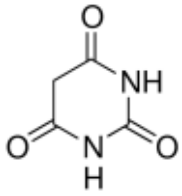
Website: www.sigmaaldrich.com
Email USA: techserv@sial.com
Outside USA: eurtechserv@sial.com

Certificate of Analysis

Product Name:
Barbituric acid - ReagentPlus® , 99%

Product Number:	**185698**
Batch Number:	**WXBF3271V**
Brand:	SIAL
CAS Number:	67-52-7
Formula:	C4H4N2O3
Formula Weight:	128,09 g/mol
Quality Release Date:	16 MAY 2024



Test	Specification	Result
Appearance (Colour)	White to Off-White	White
Appearance (Form)	Powder	Powder
Infrared spectrum	Conforms to Structure	Conforms
Purity (Titration by NaOH)	98.5 - 101.5 %	100.4 %
GC (area %) VPCT	≥ 98 %	100 %

Kang Chen
Quality Manager
Wuxi , China CN

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n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

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W3204
OPEN: 04/22/2025
38

Material No.: 9262-03
Batch No.: 25C0362005
Manufactured Date: 2025-01-29
Expiration Date:2026-04-30
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	6
ECD-Sensitive Impurities (as EthyleneDibromide) - Single Impurity Peak (ng/mL)	<= 5	5
Assay (Total Saturated C_6 Isomers) (byGC, corrected for water)	>= 99.5 %	100.0 %
Assay (as n-Hexane) (by GC, correctedfor water)	>= 95 %	100 %
Color (APHA)	<= 10	10
Residue after Evaporation	<= 1.0 ppm	0.1 ppm
Substances Darkened by H_2SO_4	Passes Test	Passes Test
Water (by KF, coulometric)	<= 0.05 %	<0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

W3205 opuc

CORCO CHEMICAL CORPORATION

Manufacturers of ACS Reagents and Semiconductor Grade Chemicals

04/22/25

CERTIFICATE OF ANALYSIS

JB

Date: 4/4/2024

Lot No. 540404

Acetic Acid, Glacial (ACS)
Reagent Grade

TEST	MAXIMUM LIMITS	RESULT
Appearance	Colorless and free from suspended matter or sediment	Pass
Assay	99.7 min.	99.99%
Color (APHA)	10	5
Dilution Test	Passes Test	Pass
Residue after evaporation	0.001%	0.0003%
Acetic Anhydride	0.01%	0.00%
Chloride (cl)	1 ppm	<1 ppm
Sulfate (SO_4)	1 ppm	<1 ppm
Heavy Metals (as Pb)	0.5ppm	<0.02 ppm
Iron (Fe)	0.2ppm	<0.1 ppm
Sub. Red. Dichromate	Passes Test	Pass
Sub. Red. Permanganate	Passes Test	Pass
Titratable Base	0.0004meq/g	<0.0002 meq/g

DATE OF MFG: 4/2024
RETEST DATE: 4/2026

CORCO CHEMICAL CORPORATION. 299 CEDAR LANE. FAIRLESS HILLS, PA 19030. 215-295-5006. FAX 215-295-0781

3050 Spruce Street, Saint Louis, MO 63103, USA
Website: www.sigmaaldrich.com
Email USA: techserv@sial.com
Outside USA: eurtechserv@sial.com

Certificate of Analysis

Product Name:
Potassium phosphate monobasic - ACS reagent, ≥99.0%

KH_2PO_4

Product Number:	**P0662**
Batch Number:	**MKCX1379**
Brand:	SIGALD
CAS Number:	7778-77-0
MDL Number:	MFCD00011401
Formula:	H2KO4P
Formula Weight:	136.09 g/mol
Quality Release Date:	27 JAN 2025
Recommended Retest Date:	JAN 2029

Test	Specification	Result
Appearance (Color)	White	White
Appearance (Form)	Powder or Crystals	Crystals
Assay	≥ 99.0 %	99.9 %
Insoluble Matter	≤ 0.01 %	< 0.01 %
Loss on Drying At 105ºC	≤ 0.2 %	< 0.1 %
pH (c = 5%, 25 deg C)	4.1 - 4.5	4.5
Chloride Content	≤ 0.001 %	< 0.001 %
Sulfate (SO4)	≤ 0.003 %	< 0.003 %
Heavy Metals by ICP	≤ 0.001 %	< 0.001 %
Iron (Fe)	≤ 0.002 %	< 0.001 %
Sodium (Na)	≤ 0.005 %	< 0.001 %
Recommended Retest Period 4 Years	----------	----------

Larry Coers, Director
Quality Control
Milwaukee, WI US

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

N3212 Received on 5/21/25 by 12

POLYSEED®

CERTIFICATE OF ANALYSIS

PO BOX 130549 Spring, TX 77393
Phone: (281) 298-9410 Fax: (281) 298-9411

FINISHED PRODUCT, LOT NUMBER, MFG. /EXP DATE:
PolySeed® • Part No. P-110 • Lot 132409 • Mfg. Date: 09/2024 • Exp. Date: 09/2026

FORMULATION:
The formulation for this product contains a range of naturally occurring microorganisms, which are known to be non-pathogenic to man or animals.

VIABLE COUNT, FINAL TEST RESULT:
The product has been fully tested in accordance with Finished Product Specifications and contains a minimum viable count of 4.00×10^9 cfu/g.

GLUCOSE/GLUTAMIC-ACID RESULTS:
Tested results within acceptable range 198 +/- 30.5 mg/L (167.5 - 228.5 mg/L). GGA Lot# 43100020 – Average Test Result: 202.1

See www.polyseed.com for details.

SEED CONTROL FACTOR:
Tested results within acceptable range 0.6 – 1.0 see www.polyseed.com for details

SALMONELLA TEST RESULT:
The product has been shown to be Salmonella negative using procedures recommended in the Microbiology Laboratory Guidebook, published by the USDA Food Safety and Inspection Service.

The purpose of this document is to ensure that the Finished Product conforms to the above specification.

Signature: _____ **Date**: 09/13/2024
Quality Control Department

POLYSEED.Ref.1.19 Revised Jan 24

InterLab®
International Laboratory Supply

ISO 9002 DNV DNV Certification, Inc. REGISTERED FIRM

N3213 Received on 5/21/25 by 12

Certificate of Analysis

[redacted]

Material	BDHVBDH7206-1
Material Description	IODINE SOLUTION 0.025N
Lot	25A2461008
Expires end of	2029-Jan-20
Molecular mass	0
Last Quality Control	2025-Jan-24
Date of manufacture	2025-Jan-21
Made in	United States
Manufacturer Source Batch	MK25A21527

Additional infomation

Characteristics	Specifications	Measured values
Prepared to formulation on file	Confirmed	Confirmed
Appearance	Passes Test	Passes Test
Normality, N	0.0200 - 0.0300	0.0268

Signature

We certify that this batch conforms to the specifications listed above.

This document has been produced electronically and is valid without a signature.

Michelle Bales - Sr. Manager Quality Assurance
Avantor Performance Materials, LLC

For Professional use in Laboratory or Manufacturing. Not for use as an Active Pharmaceutical Ingredient or Food or Animal Feed. Suitability and intended use of the product remains the responsibility of the user.

RICCA CHEMICAL COMPANY®

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Arlington, TX 76012
http://www.riccachemical.com
1-888-GO-RICCA
customerservice@riccachemical.com

W3214 Received on 5/21/25 by IZ

Certificate of Analysis

Cyanide Standard, 1000 ppm CN^-

Lot Number: 1505H73 **Product Number:** 2543

Manufacture Date: MAY 08, 2025
Expiration Date: NOV 2025

This standard is prepared using accurate volumetric techniques from material that has been assayed against Silver Nitrate solution certifiec traceable to NIST Standard Reference Material 999. The certified value reported is the prepared value based upon the method of preparation of the material. The uncertainty in the prepared value is the combined uncertainty based on the stability of the assayed Potassium Cyanide, and the uncertainty in the mass and volume measurements.
Use 0.16% (w/v) (0.04 N) Sodium Hydroxide or 0.225 % (w/v) (0.04 N) Potassium Hydroxide to make dilutions of this standard. Restandardize weekly if extreme accuracy is required.

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Cyanide	151-50-8	ACS
Sodium Hydroxide	1310-73-2	Reagent (from ACS)

Test	Specification	Result
Appearance	Colorless liquid	Passed
Cyanide (CN^-)	995-1005 ppm	1000 ppm

Specification	Reference
Stock Standard Cyanide Solution	APHA (4500-CN- F)
Stock Cyanide Solution	APHA (4500-CN- E)
Stock Cyanide Solution	APHA (4500-CN- K)
Stock Cyanide Solution	APHA (4500-CN- H)
Cyanide Reference Solution (1000 mg/L)	EPA (SW-846) (7.3.3.2)
Cyanide Calibration Stock Solution (1,000 mg/L CN-)	EPA (SW-846) (9213)
Stock Cyanide Solution	EPA (335.3)
Stock Cyanide Solution	EPA (335.2)
Cyanide Solution Stock	ASTM (D 4282)
Simple Cyanide Solution, Stock (1.0 g/L CN)	ASTM (D 4374)

Volumetric glassware complies with Class A tolerance requirements of ASTM E 288 and NIST Circular 434; it is calibrated before first use and recalibrated regularly in accordance with ASTM E 542 and NIST Procedure NBSIR 74-461. Balances are calibrated regularly with weights certified traceable to the NIST national mass standard. Thermometers and temperature probes are calibrated before first use and recalibrated regularly with a thermometer traceable to NIST standards. All products are prepared according to master documents that assure manufacture according to validated methods. Batch records document raw material traceability and production and testing history for each lot manufactured.

Part Number	Size / Package Type	Shelf Life (Unopened Container)
2543-16	500 mL amber poly	6 months
2543-32	1 L amber poly	6 months
2543-4	120 mL amber poly	6 months

Recommended Storage: 2°C - 8°C (36°F - 46°F)

Ernest Mahan (05/08/2025)
Plant Manager

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RICCA CHEMICAL COMPANY®

1841 Broad Street
Pocomoke City, MD 21851
http://www.riccachemical.com
1-888-GO-RICCA
customerservice@riccachemical.com

Certificate of Analysis

Buffer, Reference Standard, pH 7.00 ± 0.01 at 25°C (Color Coded Yellow)

Lot Number: 2504D34 **Product Number:** 1551

Manufacture Date: APR 03, 2025
Expiration Date: MAR 2027

The certified value for this product is confirmed in independent testing by a second qualified chemist.
The NIST traceable pH value is certified to ±0.01 at 25 °C only. All other pH values at their corresponding temperatures are accurate to ± 0.05.

°C	0	5	10	15	20	25	30	35	40	45	50
pH	7.12	7.09	7.06	7.04	7.02	7.00	6.99	6.98	6.98	6.97	6.97

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Phosphate Dibasic	7558-79-4	ACS
Potassium Dihydrogen Phosphate	7778-77-0	ACS
Preservative	Proprietary	
Yellow Dye	Proprietary	
Sodium Hydroxide	1310-73-2	Reagent (from ACS)

Test	Specification	Result	
Appearance	Yellow liquid	Passed	*Not a certified value.

Test	Certified Value	Uncertainty	NIST SRM#
pH at 25°C (Method: SQCP027, SQCP033)	7.003	0.02	186-I-g, 186-II-g, 191d

Specification	Reference
Commercial Buffer Solutions	ASTM (D 1293 B)
Buffer A	ASTM (D 5464)
Buffer A	ASTM (D 5128)

pH measurements were performed in our Pocomoke City, MD laboratory under ISO/IEC 17025 accreditation (ANAB Certificate L2387.01) and are certified traceable to National Institute of Standards and Technology (NIST) Standard Reference Material as indicated above via an unbroken chain of comparisons. The uncertainty is calculated from the uncertainty of the measurement variation from sample to sample, the uncertainty in the NIST Standard Reference Material, and the uncertainty of the measurement process. The uncertainty is multiplied by k=2, corresponding to 95% coverage in a normal distribution. Volumetric glassware complies with Class A tolerance requirements of ASTM E 288 and NIST Circular 434; it is calibrated before first use and recalibrated regularly in accordance with ASTM E 542 and NIST Procedure NBSIR 74-461. Balances are calibrated regularly with weights certified traceable to the NIST national mass standard. Thermometers and temperature probes are calibrated before first use and recalibrated regularly with a thermometer traceable to NIST standards. All products are prepared according to master documents that assure manufacture according to validated methods. Batch records document raw material traceability and production and testing history for each lot manufactured.

Part Number	Size / Package Type	Shelf Life (Unopened Container)
1551-2.5	10 L Cubitainer®	24 months
1551-20	20 x 20 mL pack	24 months
1551-32	1 L natural poly	24 months
1551-5	20 L Cubitainer®	24 months

Recommended Storage: 15°C - 30°C (59°F - 86°F)

Jose Pena (04/03/2025)
Operations Manager

This product was tested in an ISO 17025 Accredited Laboratory

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Certificate of Analysis

Material	BDH1133-4LP
Material Description	Isopropyl Alcohol
Lot	25C1161072
Expires end of	2029-Mar-04
CAS Number	67-63-0
Molecular formula	$(CH_3)_2CHOH$
Molecular mass	0
Last Quality Control	2025-Mar-24
Date of manufacture	2025-Mar-05
Made in	United States
Manufacturer Source Batch	US20TK1770

Additional infomation

Characteristics	Specifications	Measured values
ACS - Assay ($CH_3CHOHCH_3$)	>= 99.5 %	100.0 %
ACS - Color (APHA)	<= 10	<5
ACS - Residue after Evaporation	<= 0.001 %	<0.001 %
ACS - Solubility in H_2O	Passes Test	Passes Test
ACS - Titrable Acid or Base (meq/g)	<= 0.0001	<0.0001
ACS - Water (H_2O)(by Karl Fischer titrn)	<= 0.2 %	<0.1 %
Appearance (Clear, colorless liquid)	Passes Test	Passes Test
Carbonyl Compounds - Acetone	<= 0.002 %	<0.001 %
Carbonyl Compounds - Propionaldehyde	<= 0.002 %	<0.001 %

Signature

We certify that this batch conforms to the specifications listed above.

This document has been produced electronically and is valid without a signature.

Michelle Bales - Sr. Manager Quality Assurance
Avantor Performance Materials, LLC

For Professional use in Laboratory or Manufacturing. Not for use as an Active Pharmaceutical Ingredient or Food or Animal Feed. Suitability and intended use of the product remains the responsibility of the user.

Certificate Of Analysis

Date of Release: 4/8/2025

Name: **Potassium Hydrogen Phthalate**
ACS

Item No: **PX1476 All Sizes**
Lot / Batch No: **2025040493**
Country of Origin: **USA**

Item	Specifications	Analysis
Assay (Dried Basis)	99.95-100.05%	99.98%
Chlorine compounds (as Cl)	0.003% max.	<0.003%
Color	White	Passes Test
Form	Crystals	Passes Test
Heavy metals (by ICP-OES)	5 ppm max.	<5 ppm
Insoluble Matter	0.005% max.	<0.005%
Iron (Fe)	5 ppm max.	<5 ppm
pH of a 0.05m solution @ 25.0C	4.00-4.02	4.00
Sodium (Na)	0.005% max.	<0.005%
Sulfur compounds (as S)	0.002% max.	<0.002%

Joe Schoellkopff

Quality Control Manager

This document has been produced electronically and is valid without a signature.

EMD Millipore is a division of Merck KGaA, Darmstadt, Germany

EMD Millipore Corporation
400 Summit Drive
Burlington, MA 01803
U.S.A.

Form number: 00005624CA, Rev. 2.0

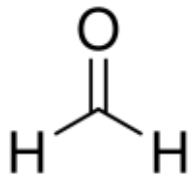
3050 Spruce Street, Saint Louis, MO 63103, USA
Website: www.sigmaaldrich.com
Email USA: techserv@sial.com
Outside USA: eurtechserv@sial.com

Certificate of Analysis

Product Name:

Formaldehyde solution - ACS reagent, 37 wt. % in H_2O, contains 10-15% Methanol as stabilizer (to prevent polymerization)

Product Number: **252549**
Batch Number: **MKCW7614**
Brand: SIAL
MDL Number: MFCD00003274
Quality Release Date: 05 DEC 2024
Recommended Retest Date: DEC 2026



Test	Specification	Result
Appearance (Color)	Colorless	Colorless
Appearance (Form)	Liquid	Liquid
Infrared Spectrum	Conforms to Structure	Conforms
Titration by H2SO4	36.5 - 38.0 %	36.6 %
Residue on ignition (Ash)	≤ 0.005 %	0.004 %
Color Test	≤ 10 APHA	5 APHA
Chloride (Cl)	≤ 5 ppm	< 5 ppm
Iron (Fe)	≤ 5 ppm	< 1 ppm
Heavy Metals by ICP-OES	≤ 5 ppm	2 ppm
Sulfate (SO4)	< = 0.002%	< = 0.002%
Titratable Acid (meq/g)	≤ 0.006	< 0.006
Note Stabilized with 10% to 15% Methanol	Confirmed	Conforms
Meets ACS Requirements	Current ACS Specification	Conforms
Recommended Retest Period 2 Years	----------	----------

Larry Coers, Director
Quality Control
Milwaukee, WI US

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

RICCA CHEMICAL COMPANY®

1841 Broad Street
Pocomoke City, MD 21851
http://www.riccachemical.com
1-888-GO-RICCA
customerservice@riccachemical.com

Certificate of Analysis

Sodium Hypochlorite Solution, 5% available Chlorine

Lot Number: 2506M51 **Product Number:** 7495.5

Manufacture Date: JUN 18, 2025
Expiration Date: DEC 2025

This solution is subject to slow decomposition upon exposure to air. Keep container tightly capped. Refrigeration may improve stability. When used in the Phenate method for Ammonia, APHA recommends replacing this solution about every 2 months.

Name	CAS#	Grade
Water	7732-18-5	Commercial
Sodium Hypochlorite	7681-52-9	Commercial

Test	Specification	Result	NIST SRM#
Appearance	Colorless to greenish-yellow liquid	Passed	
Assay (vs. Sodium Thiosulfate/Starch)	4.75-5.25 % (w/w) Cl_2	5.17 % (w/w) Cl_2	136

Specification	Reference
Sodium Hypochlorite, 5%	APHA (4500-NH3 F)
Sodium Hypochlorite	ASTM (D 4785)

Volumetric glassware complies with Class A tolerance requirements of ASTM E 288 and NIST Circular 434; it is calibrated before first use and recalibrated regularly in accordance with ASTM E 542 and NIST Procedure NBSIR 74-461. Balances are calibrated regularly with weights certified traceable to the NIST national mass standard. Thermometers and temperature probes are calibrated before first use and recalibrated regularly with a thermometer traceable to NIST standards. All products are prepared according to master documents that assure manufacture according to validated methods. Batch records document raw material traceability and production and testing history for each lot manufactured.

Part Number	Size / Package Type	Shelf Life (Unopened Container)
7495.5-1	4 L black poly	6 months
7495.5-16	500 mL amber poly	6 months
7495.5-32	1 L amber poly	6 months

Recommended Storage: 15°C - 30°C (59°F - 86°F)

Jose Pena (06/18/2025)
Operations Manager

This test report shall not be reproduced, except in full, without the written approval of Ricca Chemical Company.

LabChem
Part of TCP Analytical Group
Jackson's Pointe Commerce Park- Building 1000
1010 Jackson's Pointe Court, Zelienople, PA 16063

Certificate of Analysis

Cyanide Standard 1000 ppm (1ml = 1mg CN)

Product Code: **LC13545**

Manufacture Date: June 25, 2025

Lot Number: **45060288**

Expiration Date: December 24, 2025

Test	Specification	Result
Appearance (clarity)	clear solution	clear solution
Appearance (color)	colorless	colorless
Concentration (CN)	0.990 - 1.010mg/mL	1.000mg/mL
Concentration (CN)	990 - 1,010ppm	1,000ppm
Traceable to NIST SRM	Report	999b

Intended Use *- Product is intended for use in manufacturing procedures and laboratory procedures and protocols.*

Storage Information *- Unless noted on the product label, store the product under normal lab conditions in its tightly closed, original container. Do not pipet directly from the container or return unused portions to the container.*

Instructions for Handling and Use - *Please refer to the associated product label and Safety Data Sheet (SDS) for information regarding safety and handling of this product.*

Preparation - *All products are manufactured and tested according to established, documented procedures and methodology. Production documentation records manufacturing data, raw material traceability and testing history on a per lot basis. Balances, thermometers, and glassware are calibrated before first use and on a regular schedule with references traceable to NIST*

The suffix of the product code may differ from what is on your product label. The suffix will designate the size and be associated with a numeric digit(s). Visit LabChem.com for more information

Suffix	1	2	3/3S/36/36S	4/4C	5	6	7	8	9	20	44	200	246	486
Size	500mL or g	1L or 1kg	2.5L/2.5L Coated/6x2.5L/6x2.5L Coated	4L	20L	10L	125mL	25g	100g	20x20mL	4x4L	200L	24x6mL	48x6mL

Michael Monteleone

Michael Monteleone
Chemistry Supervisor - Quality Control

ISO9001:2015 Registration #0306-01

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W 3228
W 3229
W 3230

Rec. on 7/11/25 by 12

environmental express®

2345A Charleston Regional
Charleston, South Carolina 29492
environmentalexpress.com
+1 843.881.6560

May 12, 2025

CERTIFICATE OF ANALYSIS

Environmental Express certifies that the following COD Reagent Vials have been rigorously checked against NIST Traceable standards and also compared for conformance to another major brand name product. Environmental Express COD Vial performance is evaluated using bench top spectrophotometers. Acceptance guidelines are strict and ensure dependable, quality results.

Environmental Express further certifies that the COD products listed below are recognized by the United States Environmental Protection Agency (USEPA) as equivalent to an approved Water Pollutant Testing Procedure for COD (Federal Register, Vol. 45, No. 78, Monday, April 20th, 1980, page 26811) and as such can be used for National Pollution Discharge Elimination System (NPDES) reporting.

Cat. No.	Lot No.	Product Description	Expiration Date
B1010	5GE0517	COD Reagent Vials, 0 - 150 ppm	May-30

P.O. Box 389
Loveland, CO 80539
(970) 669-3050

An ISO 9001 Certified Company

Certificate of Analysis

This is a Component of 1486266 / LOT A5105

PRODUCT: BOD Nutrient Buffer Pillows

PRODUCT NUMBER: 1486227

LOT NUMBER: A5105

MANUFACTURE DATE: 05/13/2025

DATE OF ANALYSIS: 05/27/2025

TEST	SPECIFICATIONS	RESULTS
Ammonia Concentration of a diluted pillow	0.57 to 0.79 ppm	0.570
Calcium Concentration of a diluted pillow	0.93 to 1.29 ppm	0.980
Iron Concentration of a diluted pillow	0.27 to 0.36 ppm	0.283
Magnesium Concentration of a diluted pillow	0.35 to 0.48 ppm	0.360
Phosphorus Concentration of a diluted pillow	7.6 to 10.3 ppm	8.11
pH in a 6 L of DI water	7.1 to 7.6 ph	7.31
Five Day Change in Dissolved Oxygen Concentration	-0.2 to 0.2 ppm	0.03
Sterility	To Pass	Passed

The expiration date is May 2030

Certified by: Scott Als

Analytical Services Chemist

3050 Spruce Street, Saint Louis, MO 63103, USA
Website: www.sigma-aldrich.com
Email USA: techserv@sial.com
Outside USA: eurtechserv@sial.com

Certificate of Analysis

Product Name :
Calcium chloride dihydrate BioReagent, suitable for cell culture, suitable for insect cell culture, suitable for plant cell culture, ≥99.0%

Product Number :	**C7902-1KG**
Batch Number :	**0000440940**
Source Batch :	0000419269
CAS Number :	10035-04-8
MDL Number :	MFCD00149613
Molecular Formula :	$CaCl_2 \cdot 2H_2O$
Formula Weight :	147.01 g/mol
Recommended Retest Date :	Dec 2027
Quality Release Date :	21 Mar 2025

$CaCl_2 \bullet 2H_2O$

Test	Specification	Result
Appearance (Color)	White	White
Appearance (Form)	Powder	Powder
Solubility (Color)	Colorless	Colorless
Solubility (Turbidity)	Clear	Clear
294 mg/mL, H2O		
Titration with EDTA	99.0 - 105.0 %	101.2 %
Cell Culture Test	Pass	Pass
Insect Cell Test	Pass	Pass
Plant Cell Culture Test	Pass	Pass

J. Yasomanee

Jagodige Yasomanee, Supervisor
Quality Assurance
St. Louis, Dekalb
US

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchase must determine the suitability of the product for its particular use. See reverse side of website or packing slip for additional terms and conditions of sale

The branding on the header and/or footer of this document may temporarily not visually match the product purchased as we transition our branding. However, all of the information in the document regarding the product remains unchanged and matches the product ordered.
For further information please contact mlsbranding@sial.com

SHIPPING DOCUMENTS

phenova® Certified Reference Materials | A Phenomenex® Company

Packing List

Date	Order #
09/02/2025	333290

6390 Joyce Dr., #100
Golden, CO 80403

Tel: +1-303-940-0033
Fax: +1-303-940-0043
info@phenova.com
www.phenova.com

For terms and conditions of your order, please visit:
www.phenova.com/home/termsofsale

Ship To

Alliance Tech Group - Newark
ATTN: Sohil Jodhani
284 Sheffield St., #1
Mountainside, NJ 07092
USA

Received by: SJ 9/4/2025 9:25

Customer PO #	Terms	PT Acct #	Customer #	Ship Via	F.O.B.
PO2-3159	Net 30	ZCM-100	1500470	FedEx 2nd Day	Golden, CO

Qty Ordered	Qty Shipped	Qty Backorder	Part Number	Part Description	Study Number	Lot Number
			PT-TMSET-WP	WP Trace Metals Set : (TM1, HG and SNTI)		
1	1	0	PT-TM1-WP	WP Trace Metals 1	WP0925	8270-04
1	1	0	PT-HG-WP	WP Mercury	WP0925	8270-05
1	1	0	PT-SNTI-WP	WP Tin & Titanium	WP0925	8270-38
1	1	0	PT-CR6-WP	WP Hexavalent Chromium	WP0925	8270-06
1	1	0	PT-DEM-WP	WP Demand	WP0925	8270-07
			PT-MINSET-WP	WP Minerals Set : (MIN1, MIN2 and COND)		
1	1	0	PT-MIN1-WP	WP Minerals 1 Only	WP0925	8270-08
1	1	0	PT-MIN2-WP	WP Minerals 2 Only	WP0925	8270-102
1	1	0	PT-COND-WP	WP Conductivity Only	WP0925	8270-72
1	1	0	PT-COND-WP	WP Conductivity Only	WP0925	8270-72
1	1	0	PT-SOL-WP	WP Solids	WP0925	8270-09
			PT-NUTSET-WP	WP Nutrients Set : (NUT1, NUT2 and NUT3)		
1	1	0	PT-NUT1-WP	WP NUT1 Simple Nutrients Only	WP0925	8270-10
1	1	0	PT-NUT2-WP	WP NUT2 - Complex Nutrients	WP0925	8270-11
1	1	0	PT-NUT3-WP	WP NUT3 - Nitrite Only	WP0925	8270-69
1	1	0	PT-OGR1L-WP	WP Oil and Grease 1L	WP0925	8270-103
1	1	0	PT-CL-WP	WP Residual Chlorine	WP0925	8270-13
1	1	0	PT-PH-WP	WP pH	WP0925	8270-15
1	1	0	PT-CN-WP	WP Cyanide	WP0925	8270-14

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Golden, CO 80403

Tel: +1-303-940-0033
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9:25

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PO2-3159	Net 30	ZCM-100	1500470	FedEx 2nd Day	Golden, CO

Qty Ordered	Qty Shipped	Qty Backorder	Part Number	Part Description	Study Number	Lot Number
1	1	0	PT-PHEN-WP	WP Phenolics	WP0925	8270-16
1	1	0	PT-S2-WP	WP Sulfide	WP0925	8270-22
1	1	0	PT-SSOL-WP	WP Settleable Solids	WP0925	8270-17
1	1	0	PT-VSOL-WP	WP Volatile Solids	WP0925	8270-18
1	1	0	PT-TURB-WP	WP Turbidity	WP0925	8270-20
1	1	0	PT-SIO2-WP	WP Silica	WP0925	8270-21
1	1	0	PT-COL-WP	WP Color	WP0925	8270-51
1	1	0	PT-VOA-WP	WP Volatiles	WP0925	8270-26
1	1	0	PT-BN-WP	WP Base Neutrals	WP0925	8270-27
1	1	0	PT-ACIDS-WP	WP Acids	WP0925	8270-28
1	1	0	PT-PEST-WP	WP Pesticides	WP0925	8270-29
1	1	0	PT-CHLR-WP	WP Chlordane	WP0925	8270-30
1	1	0	PT-TXP-WP	WP Toxaphene	WP0925	8270-31
1	1	0	PT-PCBW-WP	WP PCBs in Water	WP0925	8270-32
1	1	0	PT-HERB-WP	WP Herbicides	WP0925	8270-36
1	1	0	RR-TPH1L-WP	WP TPH 1L	R41815	R41815-104
1	1	0	RR-PAH-WP	WP PAH-Low Level	R41815	R41815-37
1	1	0	RR-GAS-WP	WP Gasoline Range Organics	R41815	R41815-62
1	1	0	RR-DIES-WP	WP Diesel Range Organics	R41815	R41815-63
1	1	0	RR-8011-WP	WP EDB/DBCP/TCP	R41815	R41815-98

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

Laboratory Certification

Certified By	License No.
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255425
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312