

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

LAB CHRONICLE

OrderID:	Q3443	OrderDate:	10/23/2025 12:04:00 PM
Client:	ATG-GREENVILLE AEC	Project:	AEC-2025-0013
Contact:	Daniel Maalouf	Location:	D41

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3443-01	SW-1	WATER			10/23/25 12:00			10/23/25
			Phosphorus-Total	365.3		10/31/25	10/31/25 13:39	
			Total Nitrogen	Cal			10/29/25 14:34	
			TSS	SM2540 D			10/24/25 12:30	
			Ammonia	SM4500-NH3		10/28/25	10/29/25 11:38	
			Anions Group1	300.0			10/24/25 15:28	
			TKN	SM4500-N Org C-11 plus NH3 B plus G-11		10/29/25	10/29/25 14:34	
Q3443-01DL	SW-1DL	WATER			10/23/25 00:00			10/23/25
			Anions Group1	300.0			10/24/25 16:12	



SAMPLE DATA

Report of Analysis

Client: ATG-GREENVILLE AEC
Project: AEC-2025-0013
Client Sample ID: SW-1
Lab Sample ID: Q3443-01

Date Collected: 10/23/25 00:00
Date Received: 10/23/25
SDG No.: Q3443
Matrix: WATER
% Solid: 0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Ammonia as N	0.15		1	0.030	0.10	mg/L	10/28/25 14:50	10/29/25 11:38	SM 4500-NH3 B plus G-21
Nitrite	0.074	U	1	0.074	0.60	mg/L		10/24/25 15:28	300.0
Nitrate	19.8	OR	1	0.095	0.50	mg/L		10/24/25 15:28	300.0
Nitrate+Nitrite	17.7		1	1.02	5.60	mg/L		10/24/25 15:28	300.0
Phosphorus, Total	0.64		1	0.0050	0.050	mg/L	10/31/25 10:00	10/31/25 13:39	365.3
TKN	3.00		1	0.11	0.50	mg/L	10/29/25 08:50	10/29/25 14:34	SM4500-N Org C-21 plus NH3 B plus G-21
Nitrogen	20.7		1	0.31	1.30	mg/L		10/29/25 14:34	SM 4500-N Org C-11 plus NH3 B plus G-11
TSS	73.2		1	1.00	4.00	mg/L		10/24/25 12:30	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

Report of Analysis

Client: ATG-GREENVILLE AEC
Project: AEC-2025-0013
Client Sample ID: SW-1DL
Lab Sample ID: Q3443-01DL

Date Collected: 10/23/25 00:00
Date Received: 10/23/25
SDG No.: Q3443
Matrix: WATER
% Solid: 0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Nitrate	17.7	D	10	0.95	5.00	mg/L		10/24/25 16:12	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



QC RESULT SUMMARY

Initial and Continuing Calibration Verification

Client: ATG-GREENVILLE AEC

SDG No.: Q3443

Project: AEC-2025-0013

RunNo.: LB137653

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1						
Bromide	mg/L	9.8	10	98	90-110	10/09/2025
Chloride	mg/L	2.9	3	97	90-110	10/09/2025
Fluoride	mg/L	2	2	100	90-110	10/09/2025
Nitrite	mg/L	2.9	3	97	90-110	10/09/2025
Nitrate	mg/L	2.4	2.5	96	90-110	10/09/2025
Sulfate	mg/L	14.7	15	98	90-110	10/09/2025
Orthophosphate as P	mg/L	5	5	100	90-110	10/09/2025
Sample ID: CCV1						
Bromide	mg/L	10.5	10	105	90-110	10/24/2025
Chloride	mg/L	3.1	3	103	90-110	10/24/2025
Fluoride	mg/L	2	2	100	90-110	10/24/2025
Nitrite	mg/L	3.1	3	103	90-110	10/24/2025
Nitrate	mg/L	2.6	2.5	104	90-110	10/24/2025
Sulfate	mg/L	15.7	15	105	90-110	10/24/2025
Orthophosphate as P	mg/L	4.7	5	94	90-110	10/24/2025
Sample ID: CCV2						
Bromide	mg/L	10.6	10	106	90-110	10/24/2025
Chloride	mg/L	3.2	3	107	90-110	10/24/2025
Fluoride	mg/L	2.1	2	105	90-110	10/24/2025
Nitrite	mg/L	3.2	3	107	90-110	10/24/2025
Nitrate	mg/L	2.6	2.5	104	90-110	10/24/2025
Sulfate	mg/L	15.6	15	104	90-110	10/24/2025
Orthophosphate as P	mg/L	5	5	100	90-110	10/24/2025

Initial and Continuing Calibration Verification

Client: ATG-GREENVILLE AEC

SDG No.: Q3443

Project: AEC-2025-0013

RunNo.: LB137693

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1 Ammonia as N	mg/L	0.98	1	98	90-110	10/29/2025
Sample ID: CCV1 Ammonia as N	mg/L	0.97	1	97	90-110	10/29/2025
Sample ID: CCV2 Ammonia as N	mg/L	0.97	1	97	90-110	10/29/2025
Sample ID: CCV3 Ammonia as N	mg/L	0.95	1	95	90-110	10/29/2025
Sample ID: CCV4 Ammonia as N	mg/L	0.99	1	99	90-110	10/29/2025

Initial and Continuing Calibration Verification

Client: ATG-GREENVILLE AEC

SDG No.: Q3443

Project: AEC-2025-0013

RunNo.: LB137696

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID:	ICV1						
TKN		mg/L	5	5	100	90-110	10/29/2025
Sample ID:	CCV1						
TKN		mg/L	4.9	5	98	90-110	10/29/2025
Sample ID:	CCV2						
TKN		mg/L	5	5	100	90-110	10/29/2025

Initial and Continuing Calibration Verification

Client: ATG-GREENVILLE AEC

SDG No.: Q3443

Project: AEC-2025-0013

RunNo.: LB137729

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV Phosphorus, Total	mg/L	0.517	0.50	103	90-110	10/31/2025
Sample ID: CCV1 Phosphorus, Total	mg/L	0.502	0.50	100	90-110	10/31/2025
Sample ID: CCV2 Phosphorus, Total	mg/L	0.493	0.50	99	90-110	10/31/2025

Initial and Continuing Calibration Blank Summary

Client: ATG-GREENVILLE AEC

SDG No.: Q3443

Project: AEC-2025-0013

RunNo.: LB137653

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	10/09/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	10/09/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	10/09/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	10/09/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	10/09/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	10/09/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	10/09/2025
Sample ID: CCB1							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	10/24/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	10/24/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	10/24/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	10/24/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	10/24/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	10/24/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	10/24/2025
Sample ID: CCB2							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	10/24/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	10/24/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	10/24/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	10/24/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	10/24/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	10/24/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	10/24/2025

Initial and Continuing Calibration Blank Summary

Client: ATG-GREENVILLE AEC

SDG No.: Q3443

Project: AEC-2025-0013

RunNo.: LB137693

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	10/29/2025
Sample ID: CCB1 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	10/29/2025
Sample ID: CCB2 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	10/29/2025
Sample ID: CCB3 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	10/29/2025
Sample ID: CCB4 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	10/29/2025

Initial and Continuing Calibration Blank Summary

Client: ATG-GREENVILLE AEC

SDG No.: Q3443

Project: AEC-2025-0013

RunNo.: LB137696

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	10/29/2025
Sample ID: CCB1 TKN	mg/L	< 0.2500	0.2500	U	0.11	0.5	10/29/2025
Sample ID: CCB2 TKN	mg/L	< 0.2500	0.2500	U	0.11	0.5	10/29/2025

Initial and Continuing Calibration Blank Summary

Client: ATG-GREENVILLE AEC

SDG No.: Q3443

Project: AEC-2025-0013

RunNo.: LB137729

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB Phosphorus, Total	mg/L	0.007	0.0250	J	0.0045	0.05	10/31/2025
Sample ID: CCB1 Phosphorus, Total	mg/L	0.010	0.0250	J	0.0045	0.05	10/31/2025
Sample ID: CCB2 Phosphorus, Total	mg/L	0.007	0.0250	J	0.0045	0.05	10/31/2025

Preparation Blank Summary

Client: ATG-GREENVILLE AEC

SDG No.: Q3443

Project: AEC-2025-0013

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: LB137648BL							
TSS	mg/L	1	2.0000	J	1	4	10/24/2025
Sample ID: LB137653BLW							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	10/24/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	10/24/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	10/24/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	10/24/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	10/24/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	10/24/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	10/24/2025
Sample ID: PB170299BL							
Ammonia as N	mg/L	< 0.0500	0.0500	U	0.03	0.1	10/29/2025
Sample ID: PB170300BL							
TKN	mg/L	< 0.2500	0.2500	U	0.11	0.5	10/29/2025
Sample ID: PB170350BL							
Phosphorus, Total	mg/L	0.01	0.0250	J	0.005	0.05	10/31/2025

Matrix Spike Summary

Client:	ATG-GREENVILLE AEC	SDG No.:	Q3443
Project:	AEC-2025-0013	Sample ID:	Q3442-01
Client ID:	SW-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
Bromide	mg/L	80-120	10.4		0.37	U	10	1	104		10/24/2025
Phosphorus, Total	mg/L	90-110	0.50		0.025	J	0.5	1	94		10/31/2025
Chloride	mg/L	80-120	3.50		0.41	J	3	1	103		10/24/2025
Fluoride	mg/L	80-120	2.10		0.11	U	2	1	105		10/24/2025
TKN	mg/L	75-125	4.70		0.22	J	5	1	90		10/29/2025
Nitrite	mg/L	80-120	3.10		0.074	U	3	1	103		10/24/2025
Nitrate	mg/L	80-120	2.60		0.095	U	2.5	1	104		10/24/2025
Sulfate	mg/L	80-120	18.8		3.80		15	1	100		10/24/2025
Orthophosphate as P	mg/L	80-120	5.40		0.34	U	5	1	108		10/24/2025

Matrix Spike Summary

Client:	ATG-GREENVILLE AEC	SDG No.:	Q3443
Project:	AEC-2025-0013	Sample ID:	Q3442-01
Client ID:	SW-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
Bromide	mg/L	80-120	9.80		0.37	U	10	1	98		10/24/2025
Phosphorus, Total	mg/L	90-110	0.50		0.025	J	0.5	1	96		10/31/2025
Chloride	mg/L	80-120	3.30		0.41	J	3	1	96		10/24/2025
Fluoride	mg/L	80-120	1.90		0.11	U	2	1	95		10/24/2025
TKN	mg/L	75-125	4.70		0.22	J	5	1	90		10/29/2025
Nitrite	mg/L	80-120	2.90		0.074	U	3	1	97		10/24/2025
Nitrate	mg/L	80-120	2.40		0.095	U	2.5	1	96		10/24/2025
Sulfate	mg/L	80-120	18.0		3.80		15	1	95		10/24/2025
Orthophosphate as P	mg/L	80-120	4.90		0.34	U	5	1	98		10/24/2025

Matrix Spike Summary

Client:	ATG-GREENVILLE AEC	SDG No.:	Q3443
Project:	AEC-2025-0013	Sample ID:	Q3477-03
Client ID:	SOUTH-MAHWAH-WATERMS	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Ammonia as N	mg/L	75-125	1.00		0.030	U	1	1	100		10/29/2025

Matrix Spike Summary

Client:	ATG-GREENVILLE AEC	SDG No.:	Q3443
Project:	AEC-2025-0013	Sample ID:	Q3477-03
Client ID:	SOUTH-MAHWAH-WATERMSD	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Ammonia as N	mg/L	75-125	1.00		0.030	U	1	1	100		10/29/2025

Duplicate Sample Summary

Client: ATG-GREENVILLE AEC Project: AEC-2025-0013 Client ID: SW-1DUP	SDG No.: Q3443 Sample ID: Q3442-01 Percent Solids for Spike Sample: 0
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Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
TKN	mg/L	+/-20	0.22	J	0.22	J	1	0		10/29/2025
Phosphorus, Total	mg/L	+/-20	0.025	J	0.024	J	1	4.08		10/31/2025

Duplicate Sample Summary

Client: ATG-GREENVILLE AEC	SDG No.: Q3443
Project: AEC-2025-0013	Sample ID: Q3442-01
Client ID: SW-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
Fluoride	mg/L	+/-20	2.10		1.90		1	10		10/24/2025
Orthophosphate as P	mg/L	+/-20	5.40		4.90		1	10		10/24/2025
Sulfate	mg/L	+/-20	18.8		18.0		1	4		10/24/2025
Bromide	mg/L	+/-20	10.4		9.80		1	6		10/24/2025
Chloride	mg/L	+/-20	3.50		3.30		1	6		10/24/2025
Nitrite	mg/L	+/-20	3.10		2.90		1	7		10/24/2025
Nitrate	mg/L	+/-20	2.60		2.40		1	8		10/24/2025
TKN	mg/L	+/-20	4.70		4.70		1	0		10/29/2025
Phosphorus, Total	mg/L	+/-20	0.50		0.50		1	1.2		10/31/2025

Duplicate Sample Summary

Client:	ATG-GREENVILLE AEC	SDG No.:	Q3443
Project:	AEC-2025-0013	Sample ID:	Q3448-01
Client ID:	DSN001DUP	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	27.5		27.1		1	1.47		10/24/2025

Duplicate Sample Summary

Client:	ATG-GREENVILLE AEC	SDG No.:	Q3443
Project:	AEC-2025-0013	Sample ID:	Q3477-03
Client ID:	SOUTH-MAHWAH-WATERDUP	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Ammonia as N	mg/L	+/-20	0.030	U	0.030	U	1	0		10/29/2025

Duplicate Sample Summary

Client:	ATG-GREENVILLE AEC	SDG No.:	Q3443
Project:	AEC-2025-0013	Sample ID:	Q3477-03
Client ID:	SOUTH-MAHWAH-WATERMSD	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Ammonia as N	mg/L	+/-20	1.00		1.00		1	0		10/29/2025

Laboratory Control Sample Summary

Client: ATG-GREENVILLE AEC

SDG No.: Q3443

Project: AEC-2025-0013

Run No.: LB137648

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB137648BS							
TSS	mg/L	550	531		96	1	90-110	10/24/2025

Laboratory Control Sample Summary

Client: ATG-GREENVILLE AEC

SDG No.: Q3443

Project: AEC-2025-0013

Run No.: LB137653

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB137653BSW							
Bromide	mg/L	10	10.6		106	1	90-110	10/24/2025
Chloride	mg/L	3	3.20		107	1	90-110	10/24/2025
Fluoride	mg/L	2	2.10		105	1	90-110	10/24/2025
Nitrite	mg/L	3	3.10		103	1	90-110	10/24/2025
Nitrate	mg/L	2.5	2.60		104	1	90-110	10/24/2025
Sulfate	mg/L	15	15.6		104	1	90-110	10/24/2025
Orthophosphate as P	mg/L	5	4.70		94	1	90-110	10/24/2025

Laboratory Control Sample Summary

Client: ATG-GREENVILLE AEC

SDG No.: Q3443

Project: AEC-2025-0013

Run No.: LB137693

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	PB170299BS							
Ammonia as N	mg/L	1	1.00		100	1	90-110	10/29/2025

Laboratory Control Sample Summary

Client: ATG-GREENVILLE AEC

SDG No.: Q3443

Project: AEC-2025-0013

Run No.: LB137696

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	PB170300BS							
TKN	mg/L	5	5.10		102	1	90-110	10/29/2025

Laboratory Control Sample Summary

Client: ATG-GREENVILLE AEC

SDG No.: Q3443

Project: AEC-2025-0013

Run No.: LB137729

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	PB170350BS							
Phosphorus, Total	mg/L	0.50	0.52		103	1	90-110	10/31/2025



RAW DATA

TOTAL SUSPENDED SOLIDS - SM2540D

SUPERVISOR: Iwona

ANALYST: jignesh

Date: 10/23/2025

Run Number: LB137648

BalanceID: WC SC-5

OvenID: WC OVEN-1

FilterID: 17416528

ThermometerID: WET OVEN#1

TEMP1 IN: 104 °C 10/23/2025 15:00 TEMP1 OUT: 103 °C 10/23/2025 16:00
 TEMP2 IN: 104 °C 10/23/2025 16:30 TEMP2 OUT: 103 °C 10/23/2025 17:30
 TEMP3 IN: 104 °C 10/24/2025 12:30 TEMP3 OUT: 103 °C 10/24/2025 14:20
 TEMP4 IN: 104 °C 10/24/2025 15:00 TEMP4 OUT: 103 °C 10/24/2025 16:30

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	LB137648BL	LB137648BL	1.5893	1.5893	100	1.5894	1.5894	1.5894	0.0001	1
2	LB137648BS	LB137648BS	1.6931	1.6932	100	1.7463	1.7463	1.7463	0.0531	531
3	Q3420-05	COMPOSITE	1.4910	1.4911	1000	1.5052	1.5052	1.5052	0.0141	14.1
4	Q3428-02	Comp	1.4962	1.4962	500	1.6724	1.6724	1.6724	0.1762	352.4
5	Q3432-01	OUTFALL-001	1.4849	1.4849	100	1.5343	1.5343	1.5343	0.0494	494
6	Q3442-01	SW-1	1.4795	1.4795	500	1.5041	1.5041	1.5041	0.0246	49.2
7	Q3443-01	SW-1	1.4727	1.4727	500	1.5093	1.5093	1.5093	0.0366	73.2
8	Q3448-01	DSN001	1.4921	1.4922	1000	1.5197	1.5197	1.5197	0.0275	27.5
9	Q3448-01DUP	DSN001DUP	1.4919	1.4920	1000	1.5191	1.5191	1.5191	0.0271	27.1
10	Q3462-01	SW-1	1.5002	1.5002	200	1.5789	1.5789	1.5789	0.0787	393.5

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

Weight (g) = C - B

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

WB 132648

WORKLIST(Hardcopy Internal Chain)

WorkList Name : TSS Q3442 WorkList ID : 192654 Department : Wet-Chemistry Date : 10-24-2025 08:10:24

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3420-05 A	COMPOSITE	Water	TSS	Cool 4 deg C	DALT01	J22	10/21/2025	SM2540 D
Q3428-02 B	Comp	Water	TSS	Cool 4 deg C	ARAM01	J13	10/22/2025	SM2540 D
Q3432-01 A	OUTFALL-001	Water	TSS	Cool 4 deg C	ATGG01	D51	10/20/2025	SM2540 D
Q3442-01 D	SW-1	Water	TSS	Cool 4 deg C	ATGG01	D41	10/18/2025	SM2540 D
Q3443-01 A	SW-1	Water	TSS	Cool 4 deg C	ATGG01	D41	10/23/2025	SM2540 D
Q3448-01 C, P	DSN001	Water	TSS	Cool 4 deg C	PSEG04	D41	10/23/2025	SM2540 D
Q3462-01 A	SW-1	Water	TSS	Cool 4 deg C	ATGG01	D31	10/18/2025	SM2540 D

Date/Time 10/24/25 09:30
Raw Sample Received by: [Signature]
Raw Sample Relinquished by: [Signature]

Date/Time 10/24/25 17:00
Raw Sample Received by: [Signature]
Raw Sample Relinquished by: [Signature]

Instrument IC-1		Analyst: RM		Method: 300.0 / 9056A		Initial wt/ Analyst				
Ident	Con F-	Con CL-	Con NO2	Con BR-	Con NO3	Con HPO4	Con SO4	Method name	date time	
STD1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	IC1-100925	10/9/2025 10:46	10 RM/IZ
STD2	0.440	0.646	0.652	2.141	0.541	1.118	3.299	IC1-100925	10/9/2025 11:08	10 RM/IZ
STD3	0.813	1.225	1.222	4.073	1.019	1.947	6.091	IC1-100925	10/9/2025 11:29	10 RM/IZ
STD4	0.993	1.497	1.496	4.994	1.249	2.669	7.507	IC1-100925	10/9/2025 11:51	10 RM/IZ
STD5	1.954	2.923	2.922	9.773	2.435	4.828	14.557	IC1-100925	10/9/2025 12:12	10 RM/IZ
STD6	3.928	5.923	5.920	19.752	4.934	9.517	29.510	IC1-100925	10/9/2025 12:34	10 RM/IZ
STD7	5.072	7.585	7.589	25.268	6.323	12.920	37.537	IC1-100925	10/9/2025 12:55	10 RM/IZ
ICV	1.970	2.918	2.942	9.842	2.398	5.003	14.702	IC1-100925	10/9/2025 13:16	10 RM/IZ
ICB	0.000	0.000	0.000	0.000	0.000	0.000	0.000	IC1-100925	10/9/2025 13:38	10 RM/IZ
CCV	2.011	3.145	3.126	10.533	2.620	4.708	15.658	IC1-100925	10/24/2025 10:26	10 RM/IZ
CCB	0.000	0.000	0.000	0.000	0.000	0.000	0.000	IC1-100925	10/24/2025 10:47	10 RM/IZ
LB137653BLW	0.000	0.000	0.000	0.000	0.000	0.000	0.000	IC1-100925	10/24/2025 11:09	10 RM/IZ
LB137653BSW	2.057	3.167	3.143	10.585	2.634	4.743	15.604	IC1-100925	10/24/2025 11:30	10 RM/IZ
Q3442-01	0.000	0.413	0.000	0.000	0.069	0.000	3.759	IC1-100925	10/24/2025 14:24	10 RM/IZ
Q3442-01MS	2.087	3.508	3.109	10.438	2.573	5.402	18.808	IC1-100925	10/24/2025 14:45	10 RM/IZ
Q3442-01MSD	1.949	3.293	2.906	9.761	2.405	4.855	17.959	IC1-100925	10/24/2025 15:07	10 RM/IZ
Q3443-01	0.000	12.517	0.000	0.000	19.797	0.415	2267.456	IC1-100925	10/24/2025 15:28	10 RM/IZ
Q3462-01	1.243	13.764	0.000	0.000	0.839	0.378	2299.943	IC1-100925	10/24/2025 15:50	10 RM/IZ
Q3443-01DLX10	0.043	1.258	0.000	0.000	1.768	0.000	187.156	IC1-100925	10/24/2025 16:12	10 RM/IZ
CCV	2.064	3.162	3.150	10.584	2.639	4.988	15.638	IC1-100925	10/24/2025 16:33	10 RM/IZ
CCB	0.000	0.000	0.000	0.000	0.000	0.000	0.000	IC1-100925	10/24/2025 16:54	10 RM/IZ

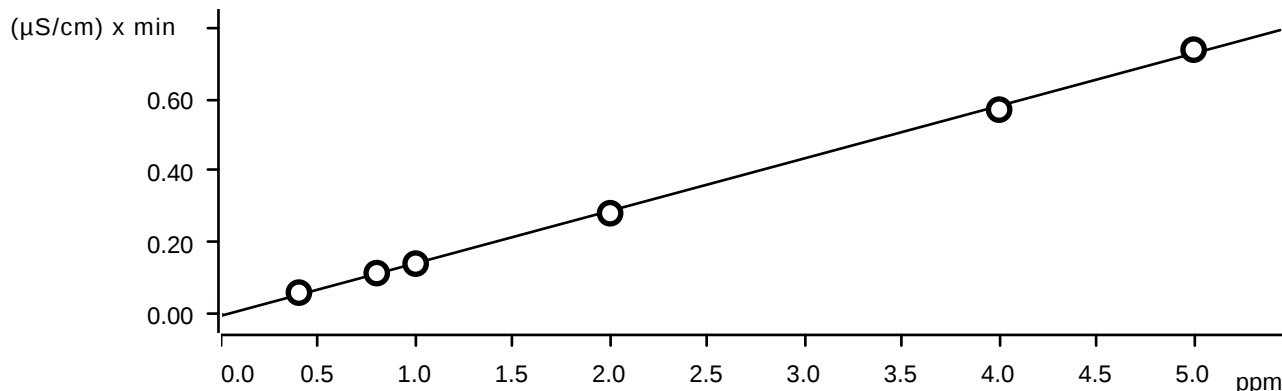
Clear table

Instrument ID: IC-2 Analyst : IZ Method: 300.0 / 9056A											
ident	concentra tion F-	concentratio n CL-	concentrati on NO2	concentrati on BR-	concentrati on NO3	concentrati on HPO4	concentrati on SO4	file name	date time	Initial wt/ Final	Analyst
STD1	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	IC1-100925	10/9/2025 10:46	10	RM/IZ
STD2	0.4400	0.6460	0.6520	2.1410	0.5410	1.1180	3.2990	IC1-100925	10/9/2025 11:08	10	RM/IZ
STD3	0.8130	1.2250	1.2220	4.0730	1.0190	1.9470	6.0910	IC1-100925	10/9/2025 11:29	10	RM/IZ
STD4	0.9930	1.4970	1.4960	4.9940	1.2490	2.6690	7.5070	IC1-100925	10/9/2025 11:51	10	RM/IZ
STD5	1.9540	2.9230	2.9220	9.7730	2.4350	4.8280	14.5570	IC1-100925	10/9/2025 12:12	10	RM/IZ
STD6	3.9280	5.9230	5.9200	19.7520	4.9340	9.5170	29.5100	IC1-100925	10/9/2025 12:34	10	RM/IZ
STD7	5.0720	7.5850	7.5890	25.2680	6.3230	12.9200	37.5370	IC1-100925	10/9/2025 12:55	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	10.0000	7.6667	8.6667	7.0500	8.2000	11.8000	9.9667
STD3	1.6250	2.0833	1.8333	1.8250	1.9000	-2.6500	1.5167
STD4	-0.7000	-0.2000	-0.2667	-0.1200	-0.0800	6.7600	0.0933
STD5	-2.3000	-2.5667	-2.6000	-2.2700	-2.6000	-3.4400	-2.9533
STD6	-1.8000	-1.2833	-1.3333	-1.2400	-1.3200	-4.8300	-1.6333
STD7	1.4400	1.1333	1.1867	1.0720	1.1680	3.3600	1.4514

Fluoride (Anions)



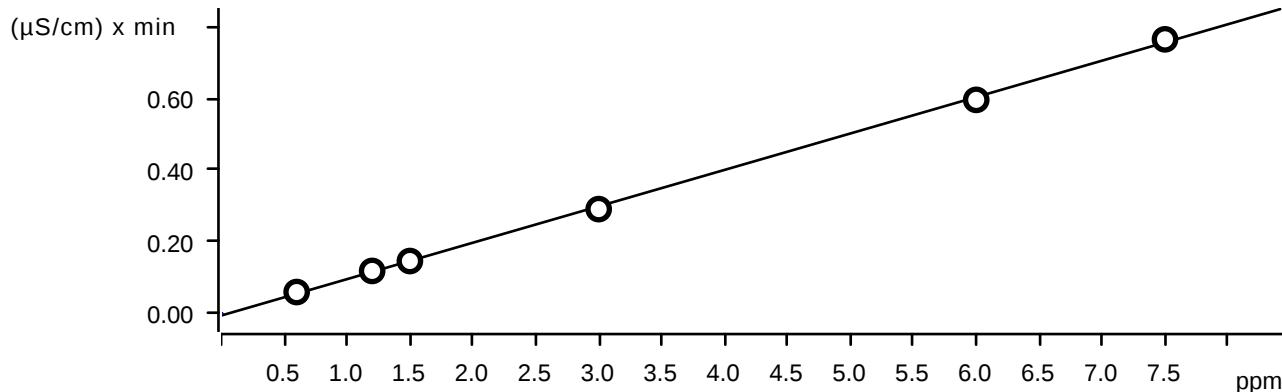
Function: $A = -3.86859E-3 + 0.0146255 \times Q$

Relative standard deviation 2.744994 %

Correlation coefficient 0.999599

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	2025-10-09 10:46:54 UTC-4	used
Standard 2	1	0.400	10.0	1.0	1.0	0.061	STD2	2025-10-09 11:08:18 UTC-4	used
Standard 3	1	0.800	10.0	1.0	1.0	0.115	STD3	2025-10-09 11:29:42 UTC-4	used
Standard 4	1	1.000	10.0	1.0	1.0	0.141	STD4	2025-10-09 11:51:08 UTC-4	used
Standard 5	1	2.000	10.0	1.0	1.0	0.282	STD5	2025-10-09 12:12:34 UTC-4	used
Standard 6	1	4.000	10.0	1.0	1.0	0.571	STD6	2025-10-09 12:34:00 UTC-4	used
Standard 7	1	5.000	10.0	1.0	1.0	0.738	STD7	2025-10-09 12:55:27 UTC-4	used

Chloride (Anions)

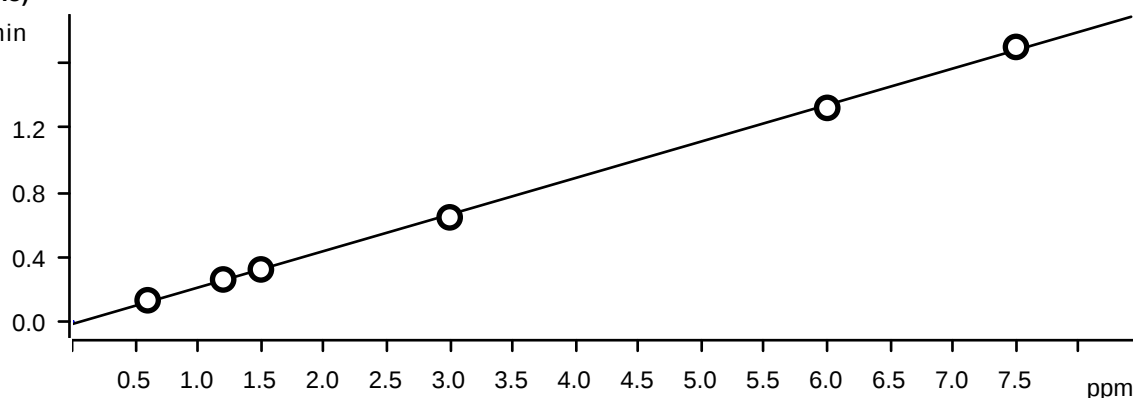


Function: $A = -5.87555E-3 + 0.0101528 \times Q$

Relative standard deviation 2.276543 %

Correlation coefficient 0.999727

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	2025-10-09 10:46:54 UTC-4	used
Standard 2	1	0.600	10.0	1.0	1.0	0.060	STD2	2025-10-09 11:08:18 UTC-4	used
Standard 3	1	1.200	10.0	1.0	1.0	0.119	STD3	2025-10-09 11:29:42 UTC-4	used
Standard 4	1	1.500	10.0	1.0	1.0	0.146	STD4	2025-10-09 11:51:08 UTC-4	used
Standard 5	1	3.000	10.0	1.0	1.0	0.291	STD5	2025-10-09 12:12:34 UTC-4	used
Standard 6	1	6.000	10.0	1.0	1.0	0.596	STD6	2025-10-09 12:34:00 UTC-4	used
Standard 7	1	7.500	10.0	1.0	1.0	0.764	STD7	2025-10-09 12:55:27 UTC-4	used

Nitrite (Anions) $(\mu\text{S}/\text{cm}) \times \text{min}$ Function: $A = -0.0165604 + 0.0226258 \times Q$

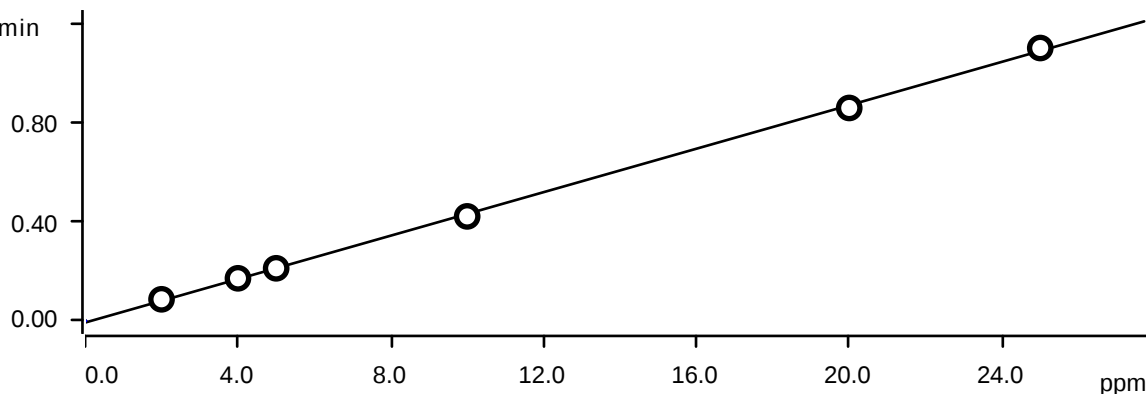
Relative standard deviation 2.379226 %

Correlation coefficient 0.999705

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	2025-10-09 10:46:54 UTC-4	used
Standard 2	1	0.600	10.0	1.0	1.0	0.131	STD2	2025-10-09 11:08:18 UTC-4	used
Standard 3	1	1.200	10.0	1.0	1.0	0.260	STD3	2025-10-09 11:29:42 UTC-4	used
Standard 4	1	1.500	10.0	1.0	1.0	0.322	STD4	2025-10-09 11:51:08 UTC-4	used
Standard 5	1	3.000	10.0	1.0	1.0	0.645	STD5	2025-10-09 12:12:34 UTC-4	used
Standard 6	1	6.000	10.0	1.0	1.0	1.323	STD6	2025-10-09 12:34:00 UTC-4	used
Standard 7	1	7.500	10.0	1.0	1.0	1.700	STD7	2025-10-09 12:55:27 UTC-4	used

Bromide (Anions)

($\mu\text{S}/\text{cm}$) $\times$ min



Function: $A = -6.89623E-3 + 4.37562E-3 \times Q$

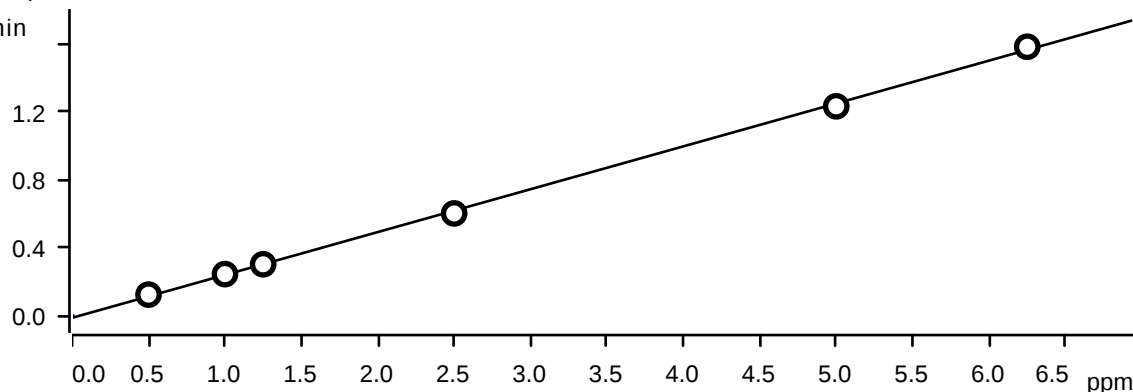
Relative standard deviation: 2.114692 %

Correlation coefficient: 0.999763

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	2025-10-09 10:46:54 UTC-4	used
Standard 2	1	2.000	10.0	1.0	1.0	0.087	STD2	2025-10-09 11:08:18 UTC-4	used
Standard 3	1	4.000	10.0	1.0	1.0	0.171	STD3	2025-10-09 11:29:42 UTC-4	used
Standard 4	1	5.000	10.0	1.0	1.0	0.212	STD4	2025-10-09 11:51:08 UTC-4	used
Standard 5	1	10.000	10.0	1.0	1.0	0.421	STD5	2025-10-09 12:12:34 UTC-4	used
Standard 6	1	20.000	10.0	1.0	1.0	0.857	STD6	2025-10-09 12:34:00 UTC-4	used
Standard 7	1	25.000	10.0	1.0	1.0	1.099	STD7	2025-10-09 12:55:27 UTC-4	used

Nitrate (Anions)

($\mu\text{S}/\text{cm}$) $\times$ min

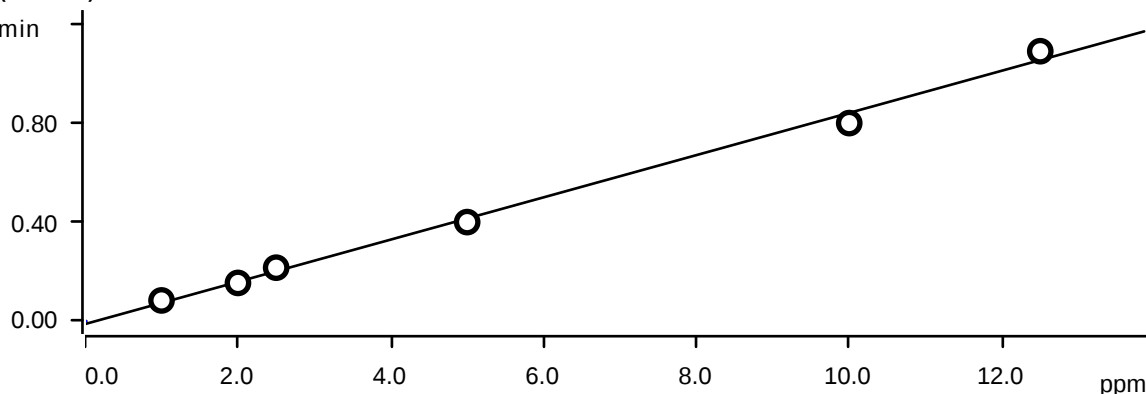


Function: $A = -0.0141807 + 0.0252306 \times Q$

Relative standard deviation: 2.346972 %

Correlation coefficient 0.999712

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	2025-10-09 10:46:54 UTC-4	used
Standard 2	1	0.500	10.0	1.0	1.0	0.122	STD2	2025-10-09 11:08:18 UTC-4	used
Standard 3	1	1.000	10.0	1.0	1.0	0.243	STD3	2025-10-09 11:29:42 UTC-4	used
Standard 4	1	1.250	10.0	1.0	1.0	0.301	STD4	2025-10-09 11:51:08 UTC-4	used
Standard 5	1	2.500	10.0	1.0	1.0	0.600	STD5	2025-10-09 12:12:34 UTC-4	used
Standard 6	1	5.000	10.0	1.0	1.0	1.231	STD6	2025-10-09 12:34:00 UTC-4	used
Standard 7	1	6.250	10.0	1.0	1.0	1.581	STD7	2025-10-09 12:55:27 UTC-4	used

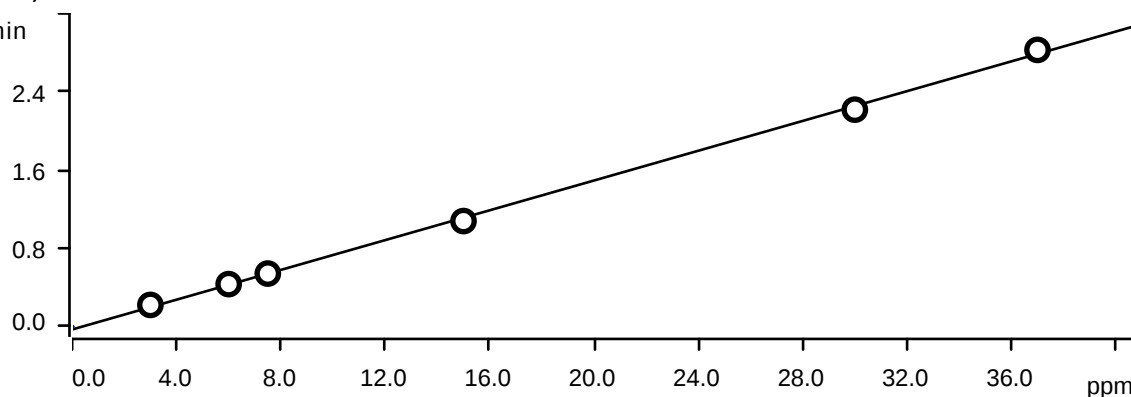
Phosphate (Anions) $(\mu\text{S}/\text{cm}) \times \text{min}$ Function: $A = -0.0117521 + 8.50315E-3 \times Q$

Relative standard deviation 6.489714 %

Correlation coefficient 0.997825

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	2025-10-09 10:46:54 UTC-4	used
Standard 2	1	1.000	10.0	1.0	1.0	0.083	STD2	2025-10-09 11:08:18 UTC-4	used
Standard 3	1	2.000	10.0	1.0	1.0	0.154	STD3	2025-10-09 11:29:42 UTC-4	used
Standard 4	1	2.500	10.0	1.0	1.0	0.215	STD4	2025-10-09 11:51:08 UTC-4	used
Standard 5	1	5.000	10.0	1.0	1.0	0.399	STD5	2025-10-09 12:12:34 UTC-4	used
Standard 6	1	10.000	10.0	1.0	1.0	0.798	STD6	2025-10-09 12:34:00 UTC-4	used
Standard 7	1	12.500	10.0	1.0	1.0	1.087	STD7	2025-10-09 12:55:27 UTC-4	used

Sulfate (Anions)

 $(\mu\text{S}/\text{cm}) \times \text{min}$ Function: $A = -0.0307148 + 7.61403E-3 \times Q$

Relative standard deviation 2.830893 %

Correlation coefficient 0.999580

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	2025-10-09 10:46:54 UTC-4	used
Standard 2	1	3.000	10.0	1.0	1.0	0.220	STD2	2025-10-09 11:08:18 UTC-4	used
Standard 3	1	6.000	10.0	1.0	1.0	0.433	STD3	2025-10-09 11:29:42 UTC-4	used
Standard 4	1	7.500	10.0	1.0	1.0	0.541	STD4	2025-10-09 11:51:08 UTC-4	used
Standard 5	1	15.000	10.0	1.0	1.0	1.078	STD5	2025-10-09 12:12:34 UTC-4	used
Standard 6	1	30.000	10.0	1.0	1.0	2.216	STD6	2025-10-09 12:34:00 UTC-4	used
Standard 7	1	37.000	10.0	1.0	1.0	2.827	STD7	2025-10-09 12:55:27 UTC-4	used

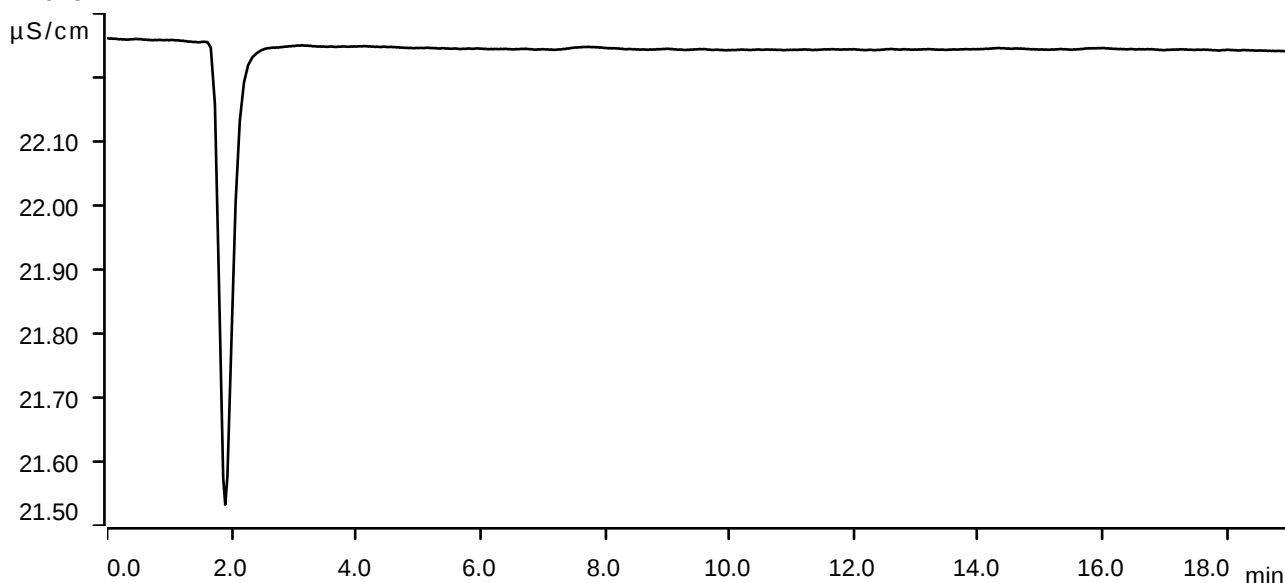
Sample data

Ident STD1
Sample type Standard 1
Determination start 2025-10-09 10:46:54 UTC-4
Method IC1-100925
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 13.57 MPa
Maximum pressure monitored yes
Temperature ---- °C

Anions



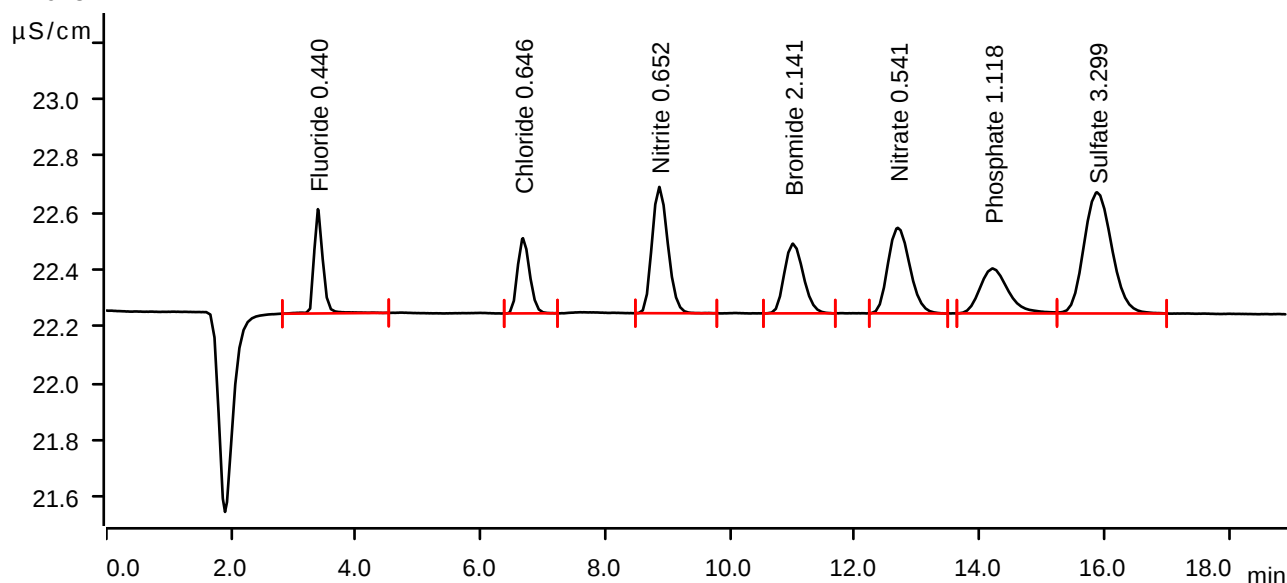
Sample data

Ident STD2
Sample type Standard 2
Determination start 2025-10-09 11:08:18 UTC-4
Method IC1-100925
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 13.34 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	0.0605	0.366	0.440	Fluoride
2	6.680	0.0597	0.264	0.646	Chloride
3	8.865	0.1310	0.444	0.652	Nitrite
4	11.008	0.0868	0.245	2.141	Bromide
5	12.692	0.1222	0.301	0.541	Nitrate
6	14.212	0.0833	0.158	1.118	Phosphate
7	15.883	0.2204	0.426	3.299	Sulfate

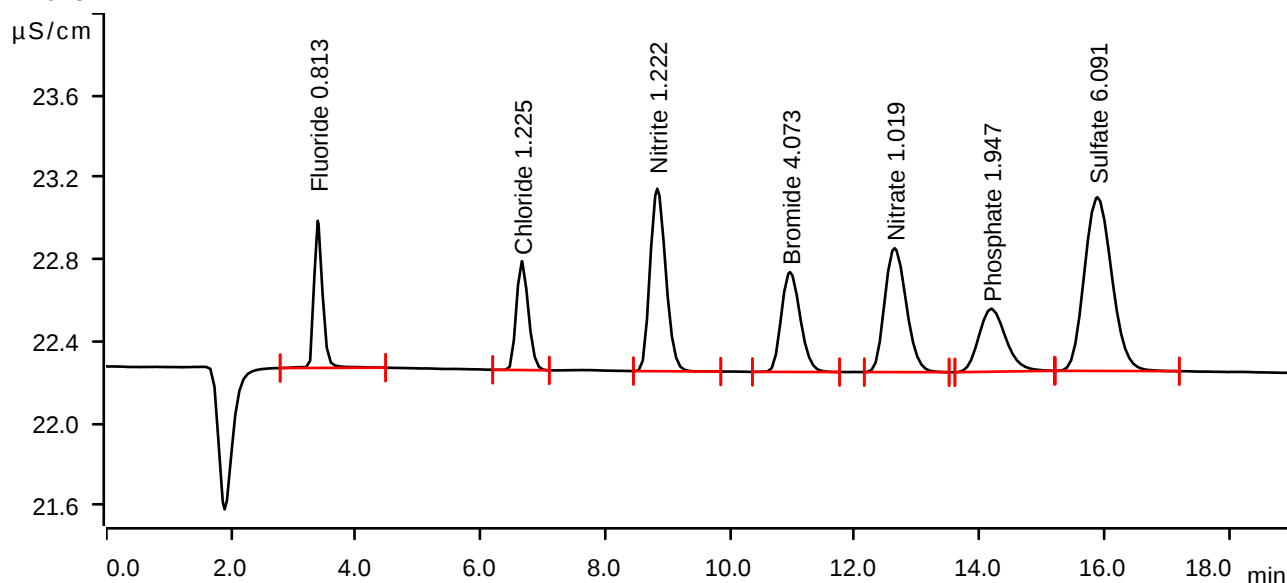
Sample data

Ident STD3
Sample type Standard 3
Determination start 2025-10-09 11:29:42 UTC-4
Method IC1-100925
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	3.388	0.1150	0.718	0.813	Fluoride
2	6.662	0.1185	0.531	1.225	Chloride
3	8.833	0.2598	0.891	1.222	Nitrite
4	10.962	0.1713	0.487	4.073	Bromide
5	12.637	0.2429	0.605	1.019	Nitrate
6	14.187	0.1538	0.307	1.947	Phosphate
7	15.888	0.4330	0.848	6.091	Sulfate

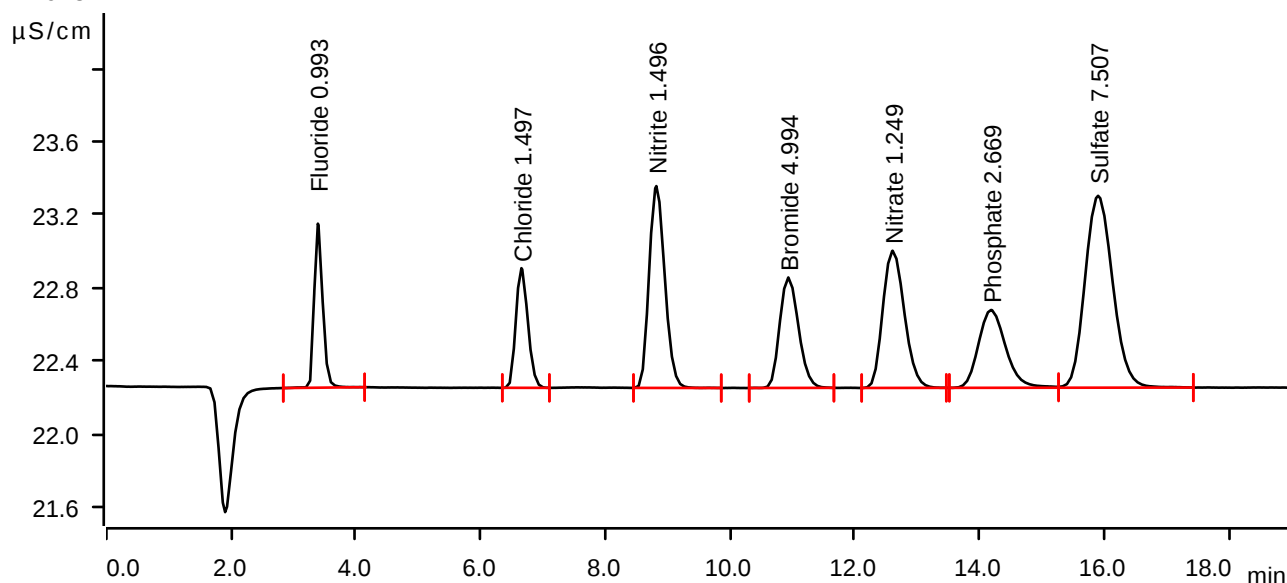
Sample data

Ident STD4
Sample type Standard 4
Determination start 2025-10-09 11:51:08 UTC-4
Method IC1-100925
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 13.34 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	0.1414	0.897	0.993	Fluoride
2	6.655	0.1461	0.654	1.497	Chloride
3	8.818	0.3220	1.103	1.496	Nitrite
4	10.933	0.2116	0.604	4.994	Bromide
5	12.607	0.3009	0.750	1.249	Nitrate
6	14.185	0.2152	0.426	2.669	Phosphate
7	15.900	0.5409	1.049	7.507	Sulfate

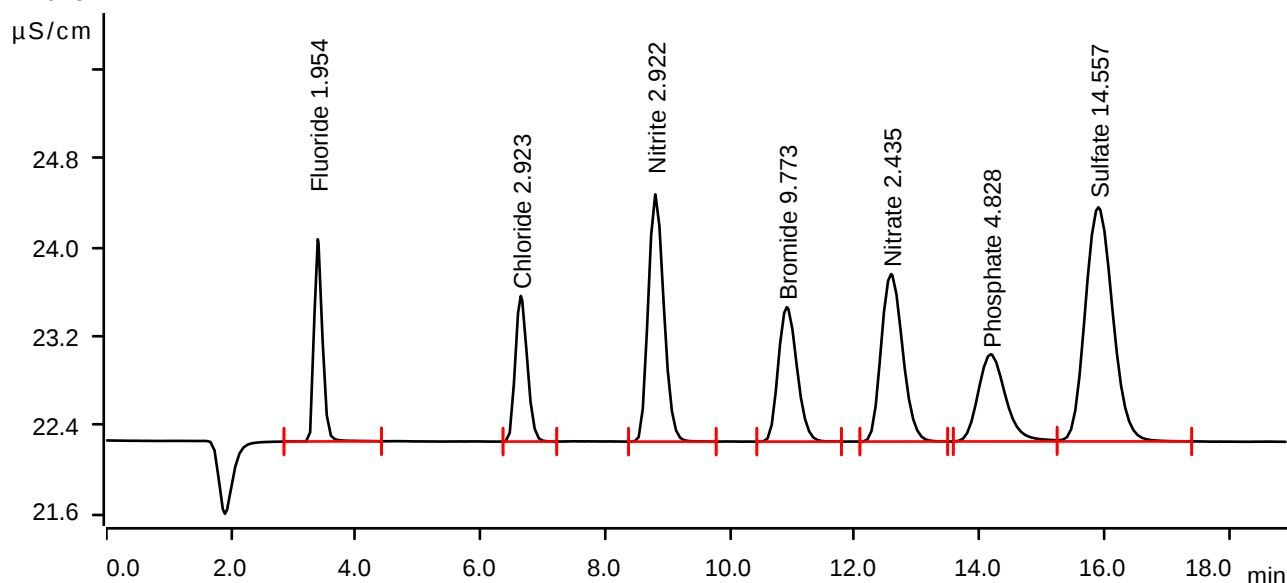
Sample data

Ident STD5
Sample type Standard 5
Determination start 2025-10-09 12:12:34 UTC-4
Method IC1-100925
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	3.390	0.2819	1.816	1.954	Fluoride
2	6.645	0.2909	1.308	2.923	Chloride
3	8.803	0.6446	2.221	2.922	Nitrite
4	10.910	0.4207	1.208	9.773	Bromide
5	12.582	0.6001	1.504	2.435	Nitrate
6	14.178	0.3988	0.783	4.828	Phosphate
7	15.905	1.0776	2.103	14.557	Sulfate

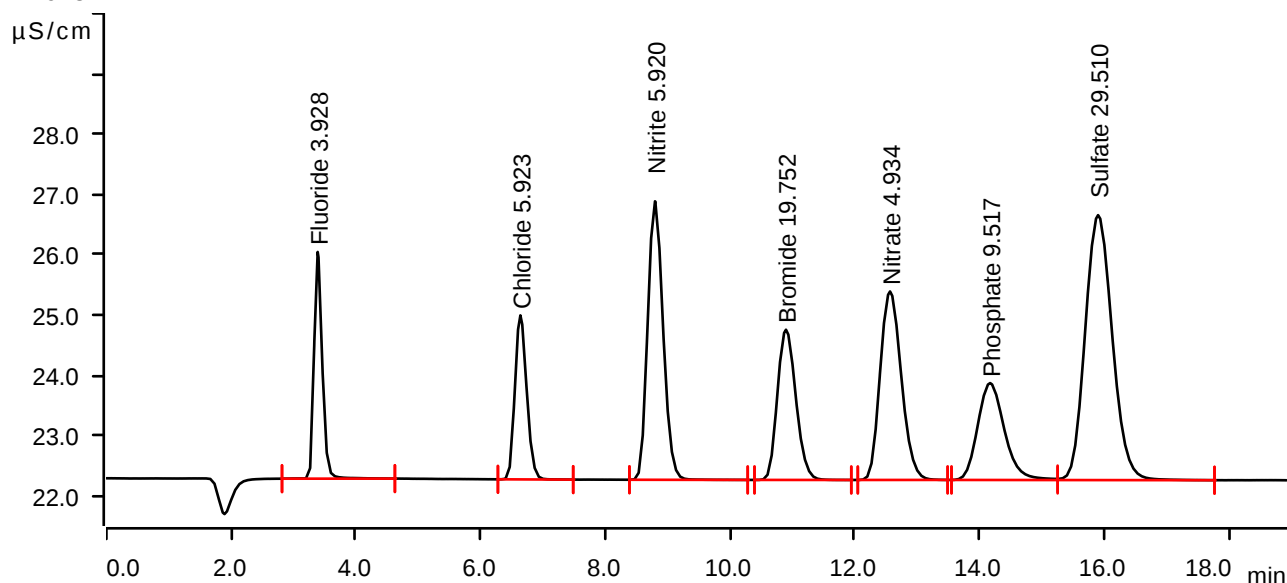
Sample data

Ident STD6
Sample type Standard 6
Determination start 2025-10-09 12:34:00 UTC-4
Method IC1-100925
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	0.5707	3.761	3.928	Fluoride
2	6.638	0.5955	2.722	5.923	Chloride
3	8.797	1.3228	4.622	5.920	Nitrite
4	10.897	0.8574	2.493	19.752	Bromide
5	12.565	1.2307	3.128	4.934	Nitrate
6	14.170	0.7975	1.608	9.517	Phosphate
7	15.900	2.2162	4.397	29.510	Sulfate

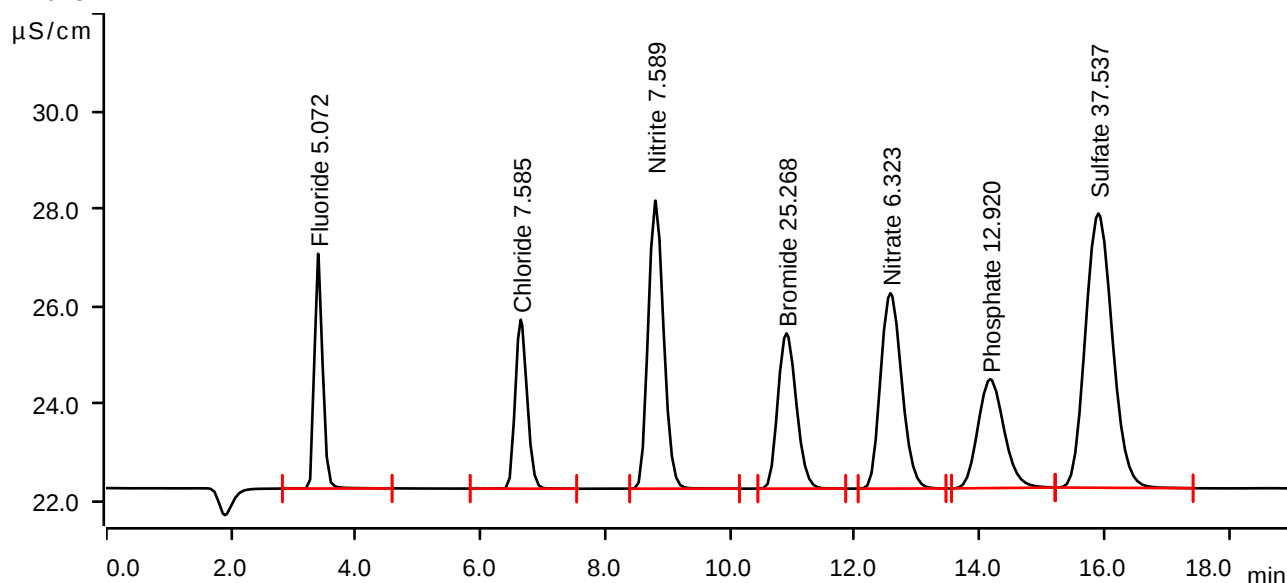
Sample data

Ident STD7
Sample type Standard 7
Determination start 2025-10-09 12:55:27 UTC-4
Method IC1-100925
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 13.01 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	0.7379	4.813	5.072	Fluoride
2	6.643	0.7642	3.464	7.585	Chloride
3	8.805	1.7004	5.904	7.589	Nitrite
4	10.905	1.0987	3.182	25.268	Bromide
5	12.572	1.5811	4.005	6.323	Nitrate
6	14.172	1.0869	2.232	12.920	Phosphate
7	15.905	2.8273	5.621	37.537	Sulfate

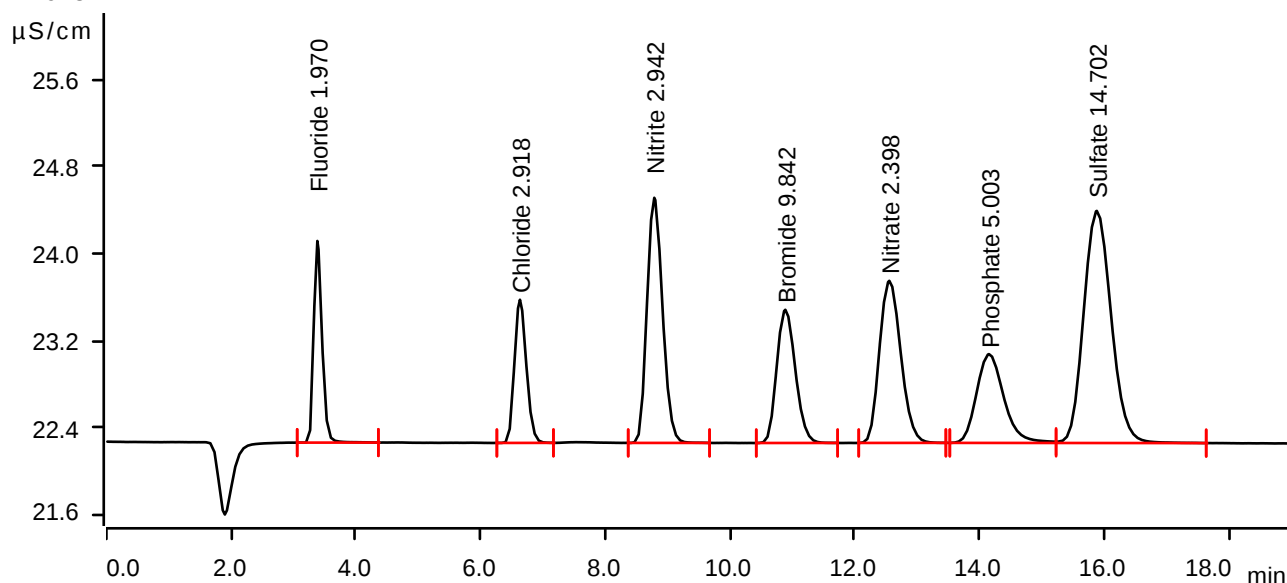
Sample data

Ident ICV
Sample type Check standard 1
Determination start 2025-10-09 13:16:55 UTC-4
Method IC1-100925
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 13.23 MPa
Maximum pressure monitored yes
Temperature ---- °C

Anions



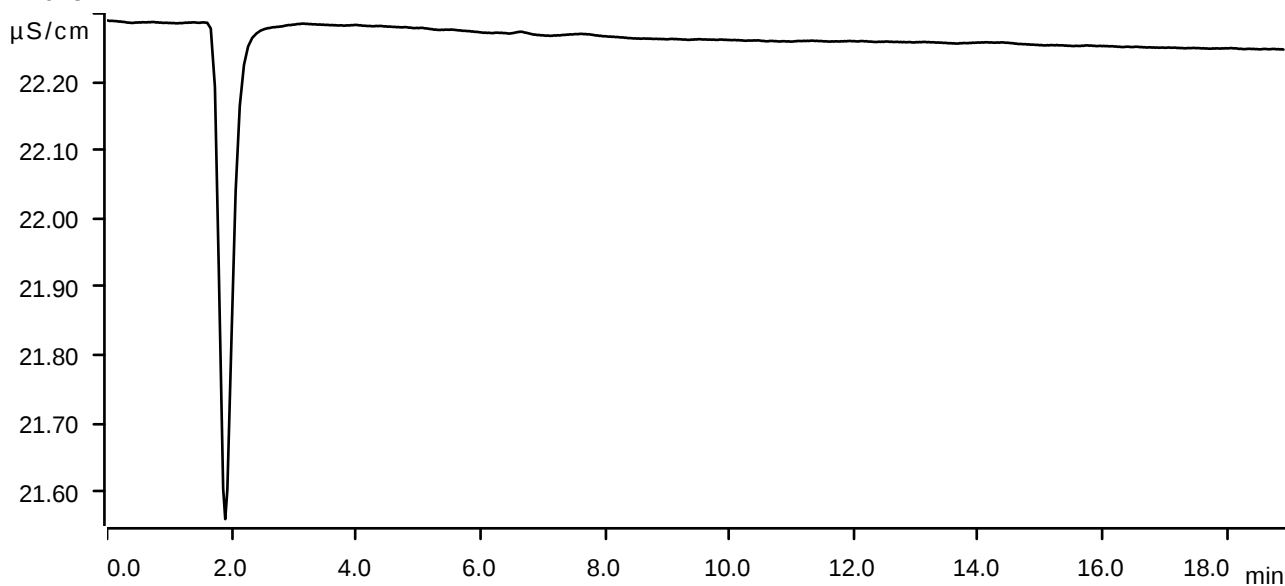
Peak number	Retention time min	Area (µS/cm) x min	Height µS/cm	Concentration ppm	Component name
1	3.383	0.2843	1.850	1.970	Fluoride
2	6.632	0.2904	1.314	2.918	Chloride
3	8.785	0.6491	2.249	2.942	Nitrite
4	10.887	0.4238	1.222	9.842	Bromide
5	12.553	0.5909	1.487	2.398	Nitrate
6	14.152	0.4137	0.815	5.003	Phosphate
7	15.880	1.0887	2.130	14.702	Sulfate

Sample data

Ident ICB
Sample type Sample
Determination start 2025-10-09 13:38:24 UTC-4
Method IC1-100925
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 13.12 MPa
Maximum pressure monitored yes
Temperature ---- °C

Anions

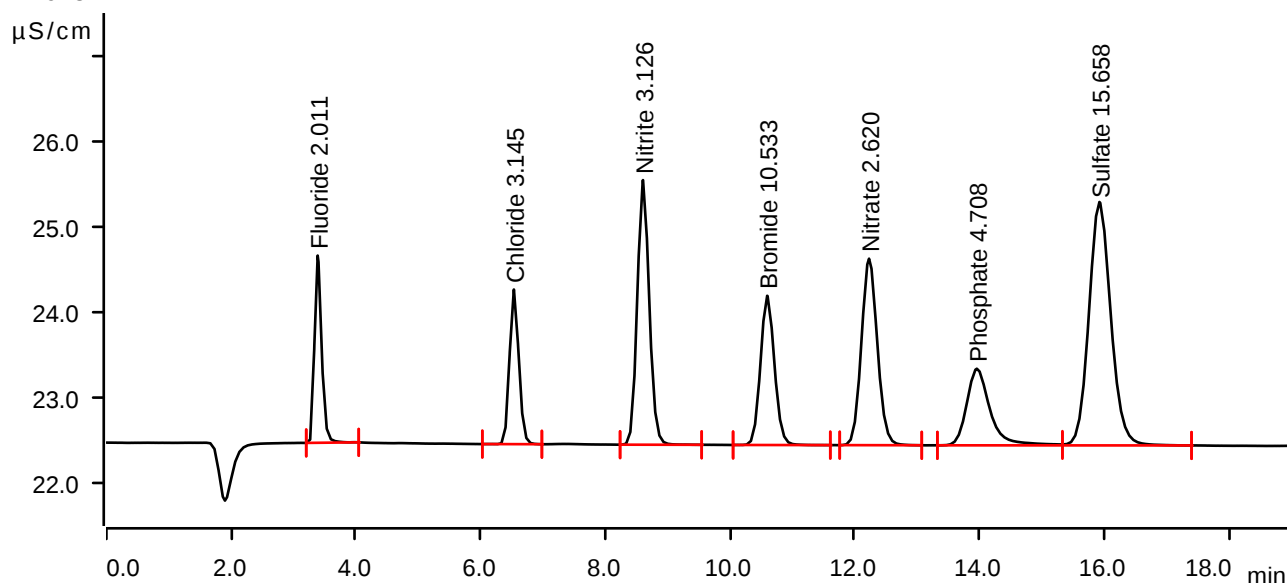
Sample data

Ident CCV
 Sample type Check standard 1
 Determination start 2025-10-24 10:26:27 UTC-4
 Method IC1-100925
 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 12.16 MPa
 Maximum pressure monitored yes
 Temperature ---- °C

Anions



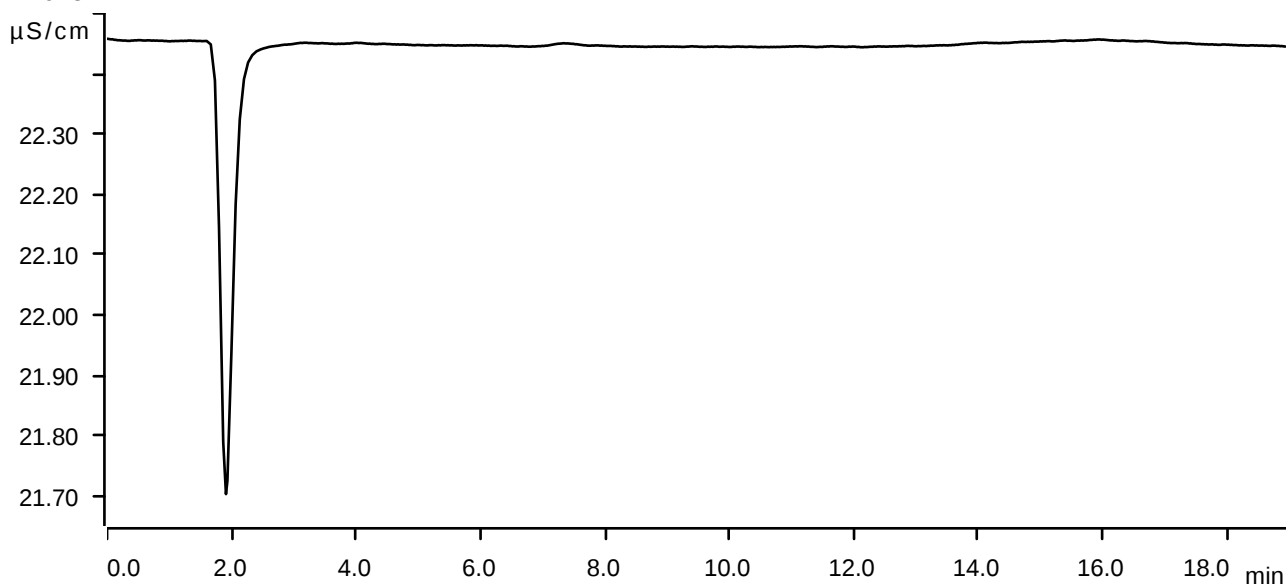
Peak number	Retention time min	Area (µS/cm) x min	Height µS/cm	Concentration ppm	Component name
1	3.388	0.2902	2.193	2.011	Fluoride
2	6.535	0.3134	1.811	3.145	Chloride
3	8.605	0.6908	3.100	3.126	Nitrite
4	10.595	0.4540	1.748	10.533	Bromide
5	12.228	0.6469	2.185	2.620	Nitrate
6	13.957	0.3886	0.897	4.708	Phosphate
7	15.922	1.1615	2.851	15.658	Sulfate

Sample data

Ident CCB
Sample type Sample
Determination start 2025-10-24 10:47:57 UTC-4
Method IC1-100925
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 12.16 MPa
Maximum pressure monitored yes
Temperature ---- °C

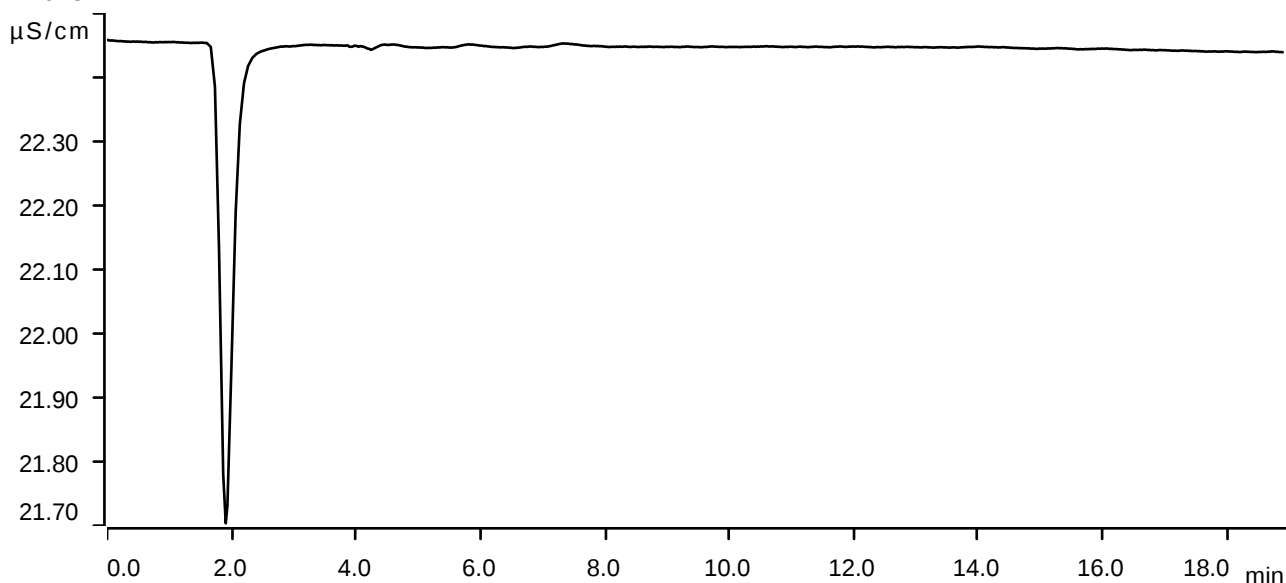
Anions

Sample data

Ident LB137653BLW
Sample type Sample
Determination start 2025-10-24 11:09:27 UTC-4
Method IC1-100925
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 11.99 MPa
Maximum pressure monitored yes
Temperature ---- °C

Anions

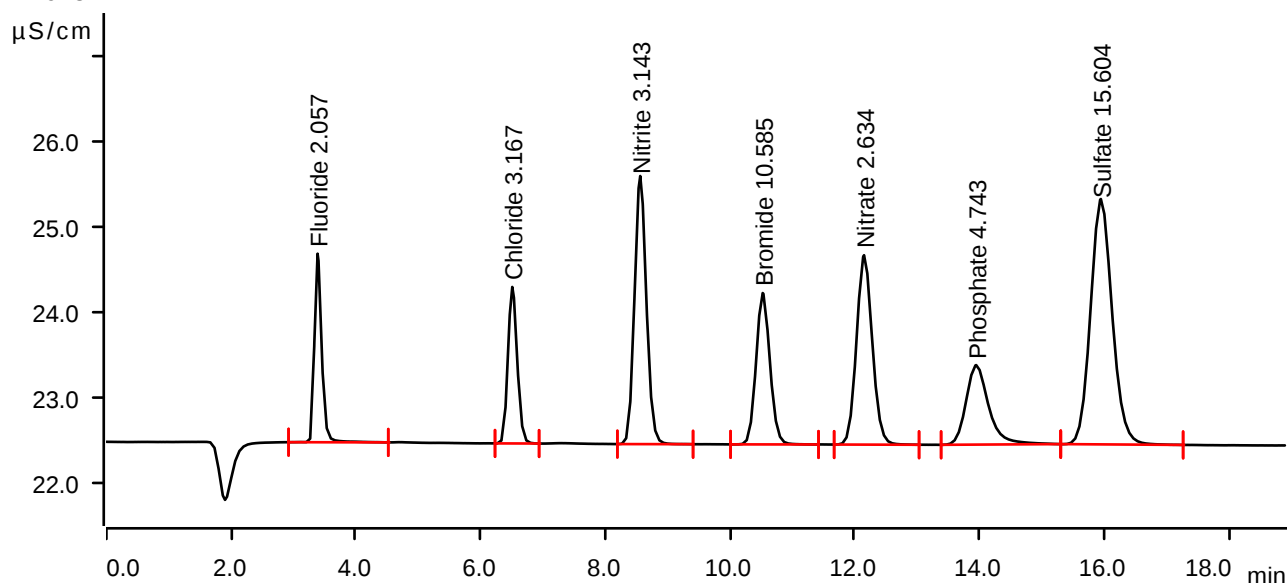
Sample data

Ident LB137653BSW
Sample type Check standard 1
Determination start 2025-10-24 11:30:58 UTC-4
Method IC1-100925
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 11.94 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	3.387	0.2970	2.208	2.057	Fluoride
2	6.508	0.3157	1.833	3.167	Chloride
3	8.560	0.6947	3.141	3.143	Nitrite
4	10.523	0.4563	1.773	10.585	Bromide
5	12.148	0.6505	2.219	2.634	Nitrate
6	13.947	0.3916	0.931	4.743	Phosphate
7	15.945	1.1574	2.874	15.604	Sulfate

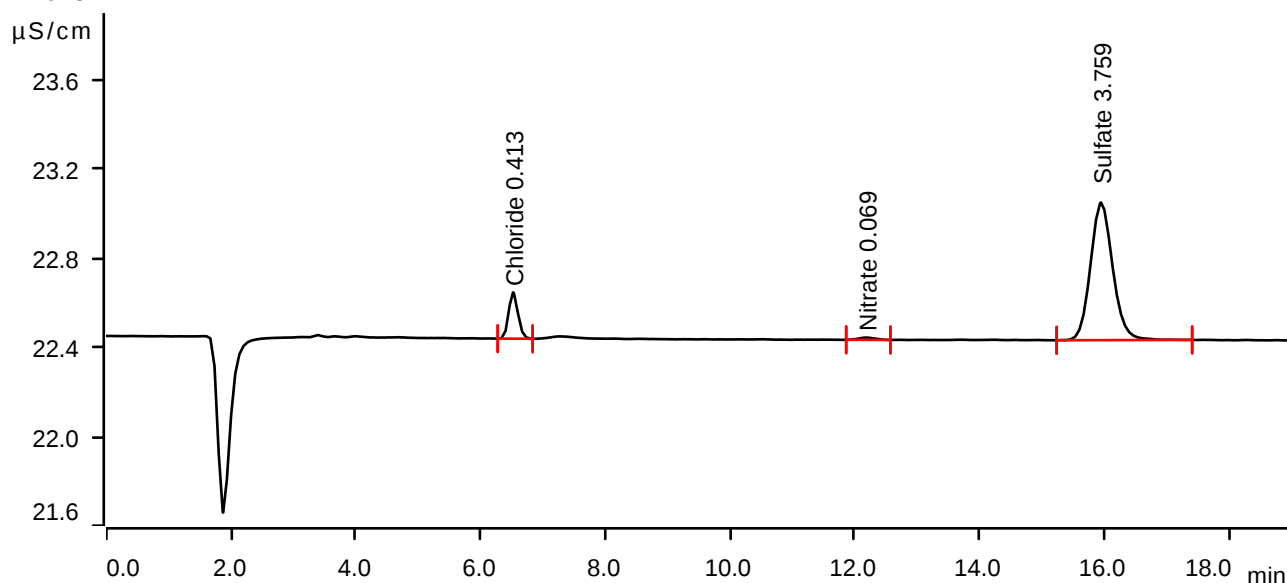
Sample data

Ident Q3442-01
Sample type Sample
Determination start 2025-10-24 14:24:07 UTC-4
Method IC1-100925
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 12.05 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	6.520	0.0361	0.208	0.413	Chloride
2	12.187	0.0032	0.010	0.069	Nitrate
3	15.948	0.2555	0.618	3.759	Sulfate

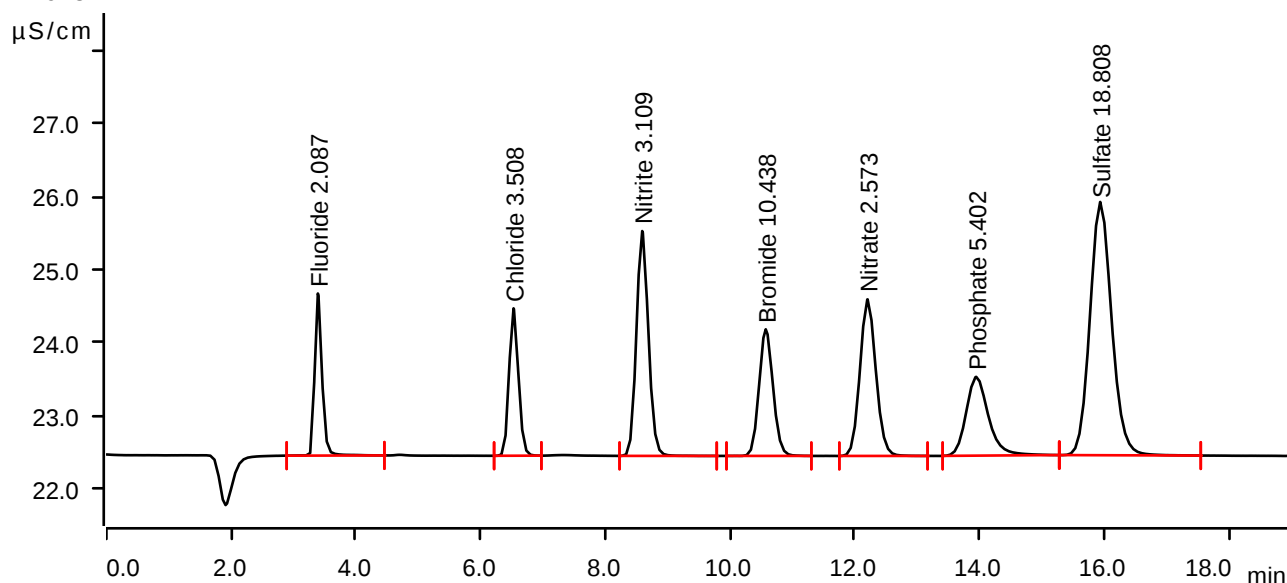
Sample data

Ident Q3442-01MS
Sample type Sample
Determination start 2025-10-24 14:45:45 UTC-4
Method IC1-100925
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 12.05 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	0.3014	2.215	2.087	Fluoride
2	6.528	0.3503	2.014	3.508	Chloride
3	8.592	0.6869	3.073	3.109	Nitrite
4	10.572	0.4498	1.731	10.438	Bromide
5	12.205	0.6349	2.140	2.573	Nitrate
6	13.947	0.4476	1.077	5.402	Phosphate
7	15.935	1.4014	3.461	18.808	Sulfate

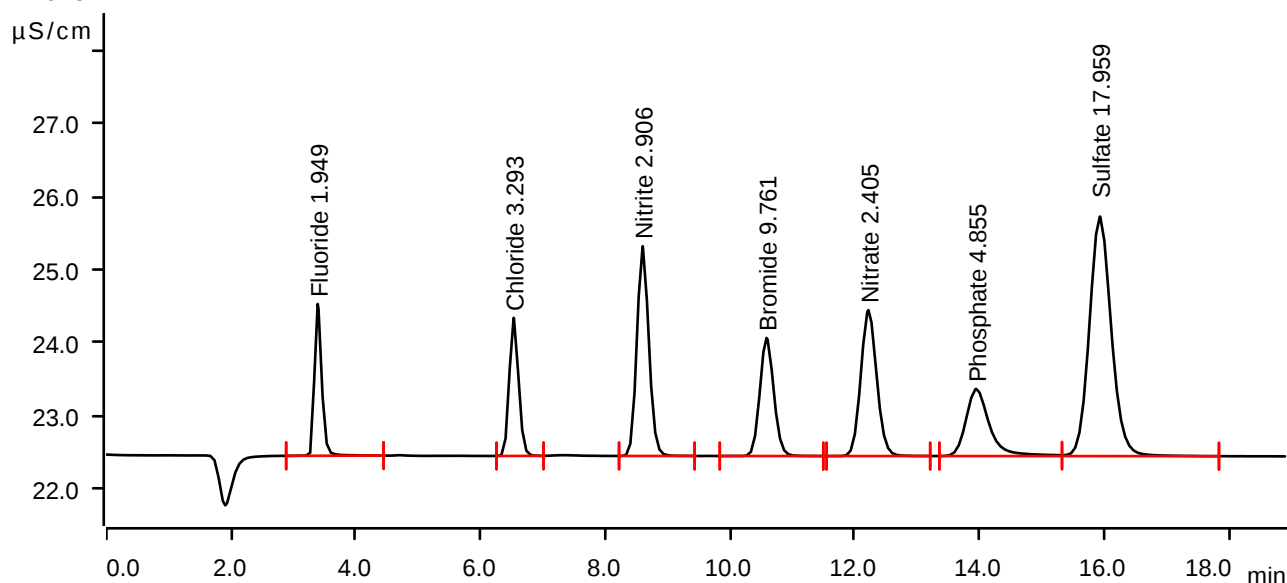
Sample data

Ident Q3442-01MSD
Sample type Sample
Determination start 2025-10-24 15:07:17 UTC-4
Method IC1-100925
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 12.11 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	0.2812	2.074	1.949	Fluoride
2	6.530	0.3285	1.887	3.293	Chloride
3	8.598	0.6408	2.866	2.906	Nitrite
4	10.585	0.4202	1.614	9.761	Bromide
5	12.218	0.5926	1.995	2.405	Nitrate
6	13.947	0.4011	0.917	4.855	Phosphate
7	15.928	1.3367	3.274	17.959	Sulfate

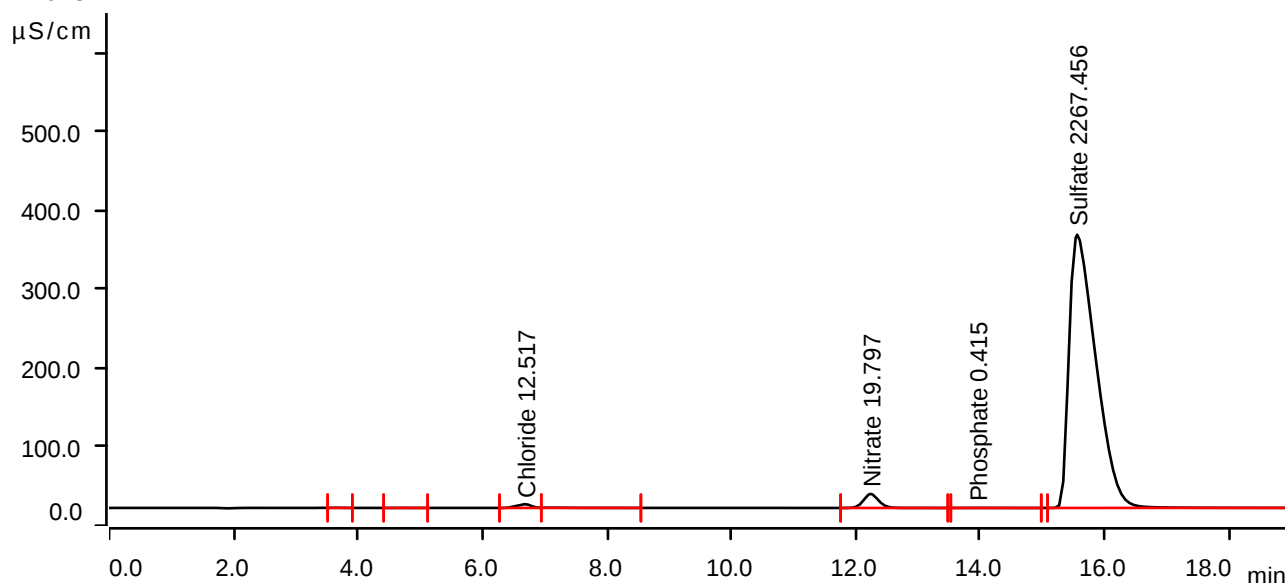
Sample data

Ident Q3443-01
Sample type Sample
Determination start 2025-10-24 15:28:51 UTC-4
Method IC1-100925
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 12.22 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	3.652	0.0270	0.185	invalid	
2	4.735	0.0068	0.027	invalid	
3	6.688	1.2650	4.687	12.517	Chloride
4	7.097	0.1959	0.331	invalid	
5	12.238	4.9806	17.817	19.797	Nitrate
6	13.952	0.0236	0.048	0.415	Phosphate
7	15.558	172.6140	346.726	2267.456	Sulfate

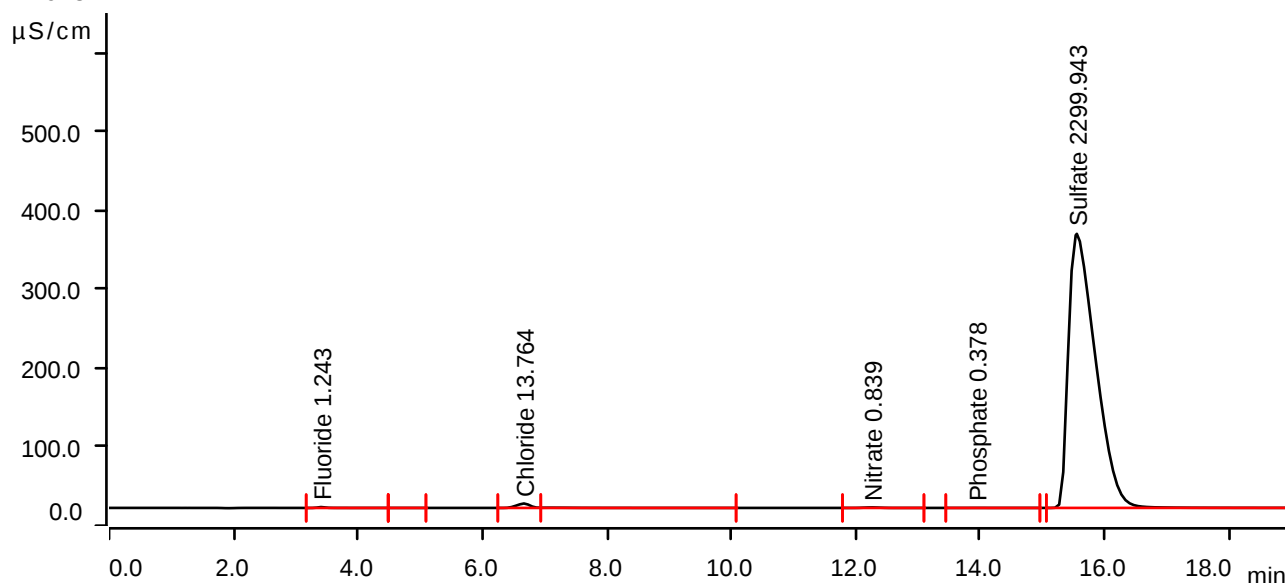
Sample data

Ident Q3462-01
Sample type Sample
Determination start 2025-10-24 15:50:26 UTC-4
Method IC1-100925
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 12.11 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	3.408	0.1779	1.087	1.243	Fluoride
2	4.710	0.0026	0.013	invalid	
3	6.668	1.3916	5.616	13.764	Chloride
4	7.100	0.2143	0.316	invalid	
5	12.257	0.1976	0.670	0.839	Nitrate
6	13.940	0.0204	0.043	0.378	Phosphate
7	15.552	175.0876	347.815	2299.943	Sulfate

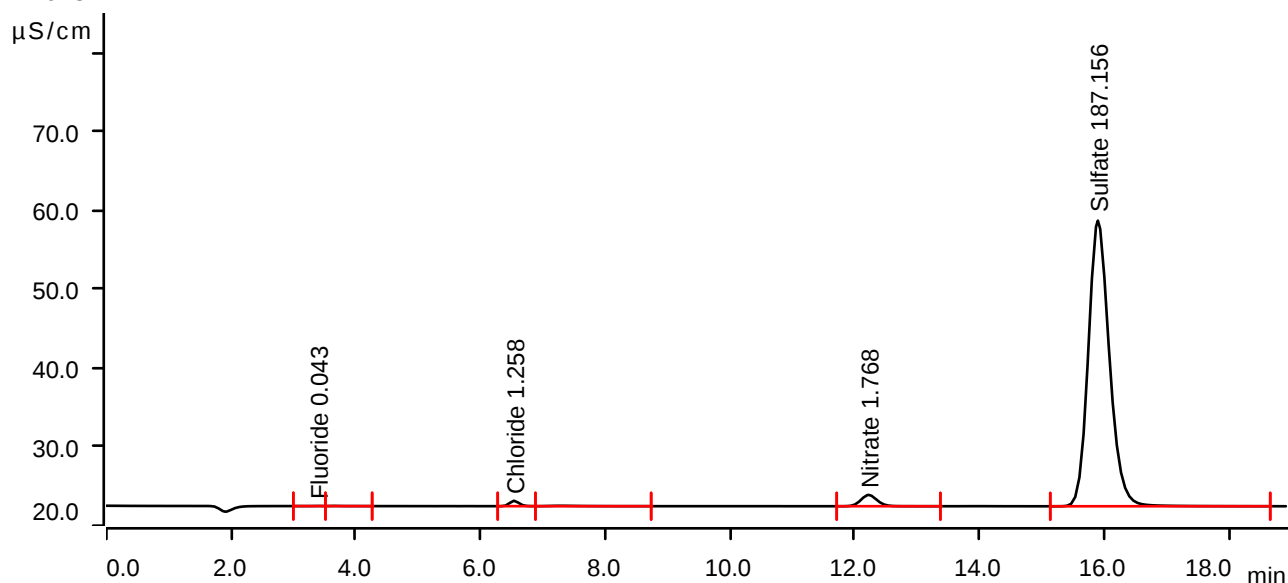
Sample data

Ident Q3443-01DLX10
Sample type Sample
Determination start 2025-10-24 16:12:00 UTC-4
Method IC1-100925
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 12.22 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	0.0025	0.015	0.043	Fluoride
2	3.658	0.0046	0.023	invalid	
3	6.537	0.1218	0.684	1.258	Chloride
4	7.297	0.0275	0.050	invalid	
5	12.220	0.4320	1.436	1.768	Nitrate
6	15.897	14.2194	36.248	187.156	Sulfate

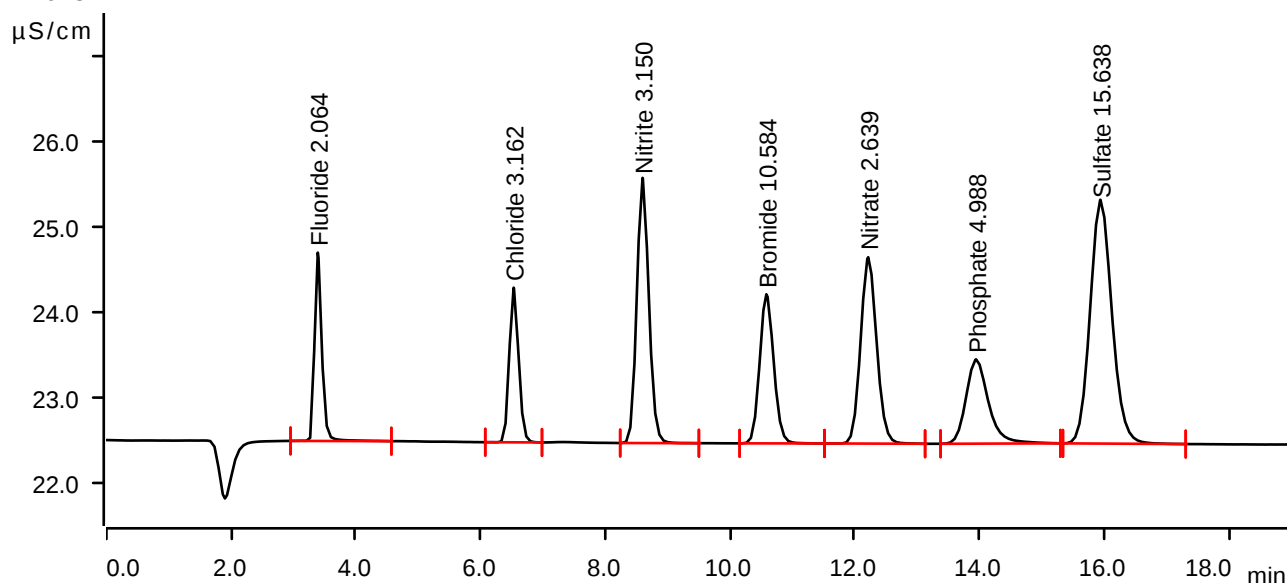
Sample data

Ident CCV
 Sample type Check standard 1
 Determination start 2025-10-24 16:33:25 UTC-4
 Method IC1-100925
 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 12.11 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	0.2981	2.206	2.064	Fluoride
2	6.530	0.3152	1.812	3.162	Chloride
3	8.597	0.6961	3.107	3.150	Nitrite
4	10.582	0.4562	1.746	10.584	Bromide
5	12.215	0.6515	2.183	2.639	Nitrate
6	13.945	0.4124	0.987	4.988	Phosphate
7	15.938	1.1600	2.857	15.638	Sulfate

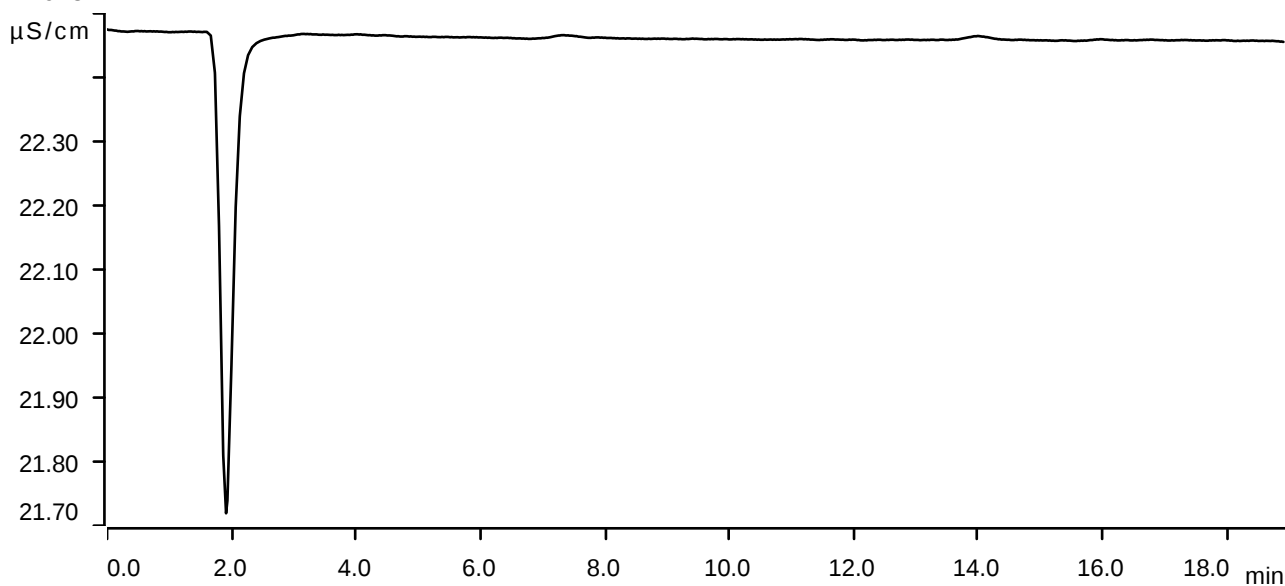
Sample data

Ident CCB
Sample type Sample
Determination start 2025-10-24 16:54:55 UTC-4
Method IC1-100925
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 12.11 MPa
Maximum pressure monitored yes
Temperature ---- °C

Anions



LB137693

Test results

Aquakem 7.2AQ1

Page:

Alliance Technical Group

284 Sheffield Street, Mountainside, NJ 07092

Reviewed by : RM

Instrument ID : Konelab

10/29/2025 12:16

Test: Ammonia-N

Sample Id	Result	Dil. 1 +	Response	Errors
ICV1	0.985	0.0	0.214	
ICB1	0.018	0.0	0.021	
CCV1	0.972	0.0	0.212	
CCB1	0.015	0.0	0.020	
RL CHECK	0.092	0.0	0.036	
PB170299BL	0.021	0.0	0.022	
PB170299BS	1.001	0.0	0.218	
Q2441-01	6.577	0.0	1.333	
Q2441-02	6.977	0.0	1.413	
Q3443-01	0.145	0.0	0.046	
Q3462-01	0.037	0.0	0.025	
Q3477-03	0.018	0.0	0.021	
Q3477-03DUP	0.024	0.0	0.022	
Q3477-03MS	1.002	0.0	0.218	
CCV2	0.967	0.0	0.211	
CCB2	0.014	0.0	0.020	
Q3477-03MSD	1.015	0.0	0.220	
CCV3	0.955	0.0	0.208	
CCB3	0.024	0.0	0.022	
Q3441-01DLX5	1.278	0.0	0.273	
Q3441-02DLX5	1.361	0.0	0.290	
CCV4	0.986	0.0	0.215	
CCB4	0.014	0.0	0.020	

92% (50-150)

10/29/2025

RM

Test limit high

Test limit high

N 23
Mean 1.065
SD 1.8725
CV% 175.81

Aquakem v. 7.2AQ1

Results from time period:

Wed Oct 29 09:59:36 2025

Wed Oct 29 12:15:38 2025

Sample Id	Sam/Ctr/c#	Test short r	Test type	Result	Result unit	Result date and time	Stat
0.0PPM	A	Ammonia-† P		0.0139	mg/l	10/29/2025 9:59:36	
0.1PPM	A	Ammonia-† P		0.1127	mg/l	10/29/2025 9:59:37	
0.2PPM	A	Ammonia-† P		0.2	mg/l	10/29/2025 9:59:38	
0.4PPM	A	Ammonia-† P		0.3833	mg/l	10/29/2025 9:59:39	
1.0PPM	A	Ammonia-† P		0.9719	mg/l	10/29/2025 9:59:40	
1.3PPM	A	Ammonia-† P		1.3376	mg/l	10/29/2025 9:59:41	
2.0PPM	A	Ammonia-† P		2.0139	mg/l	10/29/2025 9:59:42	
ICV1	S	Ammonia-† P		0.9845	mg/l	10/29/2025 11:27:36	
ICB1	S	Ammonia-† P		0.0176	mg/l	10/29/2025 11:27:38	
CCV1	S	Ammonia-† P		0.9724	mg/l	10/29/2025 11:27:40	
CCB1	S	Ammonia-† P		0.0148	mg/l	10/29/2025 11:27:42	
RL CHECK	S	Ammonia-† P		0.0917	mg/l	10/29/2025 11:27:46	
PB170299BL	S	Ammonia-† P		0.0213	mg/l	10/29/2025 11:38:21	
PB170299BS	S	Ammonia-† P		1.0013	mg/l	10/29/2025 11:38:24	
Q2441-01	S	Ammonia-† P		6.5772	mg/l	10/29/2025 11:38:25	
Q2441-02	S	Ammonia-† P		6.9768	mg/l	10/29/2025 11:38:26	
Q3443-01	S	Ammonia-† P		0.1451	mg/l	10/29/2025 11:38:27	
Q3462-01	S	Ammonia-† P		0.0367	mg/l	10/29/2025 11:38:28	
Q3477-03	S	Ammonia-† P		0.0178	mg/l	10/29/2025 11:38:31	
Q3477-03DUP	S	Ammonia-† P		0.0243	mg/l	10/29/2025 11:49:02	
Q3477-03MS	S	Ammonia-† P		1.0017	mg/l	10/29/2025 11:49:04	
CCV2	S	Ammonia-† P		0.967	mg/l	10/29/2025 11:49:06	
CCB2	S	Ammonia-† P		0.0135	mg/l	10/29/2025 11:49:08	
Q3477-03MSD	S	Ammonia-† P		1.0146	mg/l	10/29/2025 11:49:10	
CCV3	S	Ammonia-† P		0.9549	mg/l	10/29/2025 11:49:13	
CCB3	S	Ammonia-† P		0.0241	mg/l	10/29/2025 11:54:31	
Q3441-01DLX5	S	Ammonia-† P		1.2783	mg/l	10/29/2025 12:15:32	
Q3441-02DLX5	S	Ammonia-† P		1.3609	mg/l	10/29/2025 12:15:33	
CCV4	S	Ammonia-† P		0.9861	mg/l	10/29/2025 12:15:36	
CCB4	S	Ammonia-† P		0.0135	mg/l	10/29/2025 12:15:38	

Calibration results

Aquakem 7.2AQ1

Page:

Alliance Technical Group

284 Sheffield Street, Mountainside, NJ 07092

Reviewed by : RM

Instrument ID : Konelab

10/29/2025 10:09

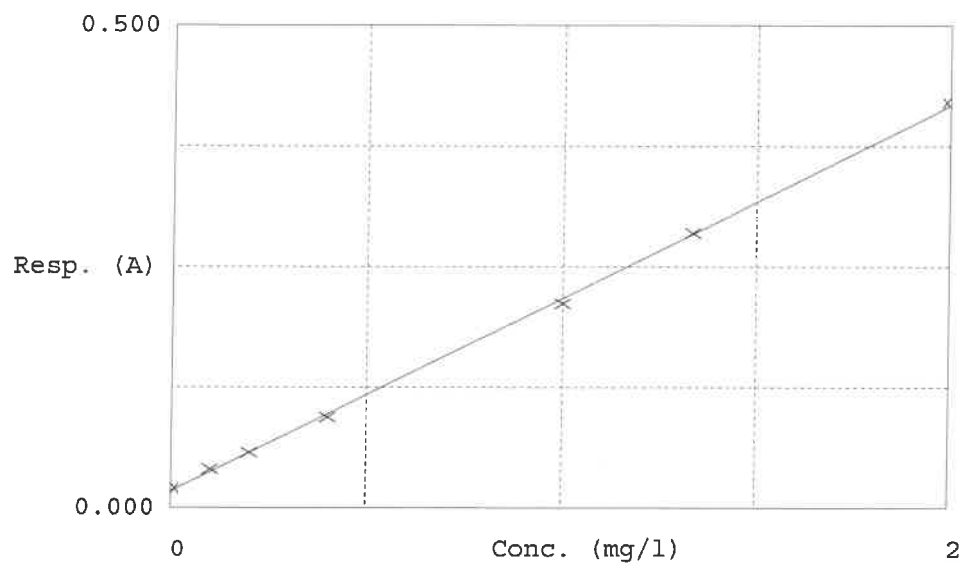
Test Ammonia-N

Accepted 10/29/2025 10:09

Factor 5.001
Bias 0.017

Coeff. of det. 0.999514

Errors



	Calibrator	Response	Calc. con.	Conc.	Errors
1	0.00PPM	0.020	0.0139	0.0000	-
2	NH3-2PPM	0.040	0.1127	0.1000	12.7
3	NH3-2PPM	0.057	0.2000	0.2000	0.0
4	NH3-2PPM	0.094	0.3833	0.4000	-4.2
5	NH3-2PPM	0.212	0.9719	1.0000	-2.8
6	NH3-2PPM	0.285	1.3376	1.3333	2.9
7	NH3-2PPM	0.420	2.0139	2.0000	0.7

10/29/2025
RM

LB137696

Test results

Aquakem 7.2AQ1

Page:

Alliance Technical Group

284 Sheffield Street, Mountainside, NJ 07092

Reviewed by : RM

Instrument ID : Konelab

10/29/2025 14:38

Test: TKN-NH3

Sample Id	Result	Dil. 1 +	Response	Errors
ICV1	5.011	0.0	1.050	
ICB1	0.077	0.0	0.024	
CCV1	4.925	0.0	1.032	
CCB1	0.069	0.0	0.022	
RL CHECK	0.484	0.0	0.108	
PB170300BL	0.074	0.0	0.023	
PB170300BS	5.076	0.0	1.063	
Q3442-01	0.222	0.0	0.054	
Q3442-01DUP	0.221	0.0	0.053	
Q3442-01MS	4.688	0.0	0.983	
Q3442-01MSD	4.729	0.0	0.991	
Q3443-01	2.980	0.0	0.627	
Q3462-01	1.630	0.0	0.347	
Q3477-03	0.255	0.0	0.060	
CCV2	4.961	0.0	1.040	
CCB2	0.077	0.0	0.024	

97% (50-150)
10/29/2025
RM

N 16
Mean 2.217
SD 2.2710
CV% 102.42

Aquakem v. 7.2AQ1

Results from time period:

Wed Oct 29 12:58:19 2025

Wed Oct 29 14:34:28 2025

Sample Id	Sam/Ctr/c/	Test short r	Test type	Result	Result unit	Result date and time	Stat
0.0PPM	A	TKN-NH3	P	0.0847	mg/l	10/29/2025 12:58:19	
0.5PPM	A	TKN-NH3	P	0.5181	mg/l	10/29/2025 12:58:20	
1.0PPM	A	TKN-NH3	P	0.9798	mg/l	10/29/2025 12:58:21	
2.5PPM	A	TKN-NH3	P	2.4497	mg/l	10/29/2025 12:58:22	
5.0PPM	A	TKN-NH3	P	4.9028	mg/l	10/29/2025 12:58:23	
6.7PPM	A	TKN-NH3	P	6.6743	mg/l	10/29/2025 12:58:24	
10.0PPM	A	TKN-NH3	P	10.0572	mg/l	10/29/2025 12:58:25	
ICV1	S	TKN-NH3	P	5.0105	mg/l	10/29/2025 14:15:17	
ICB1	S	TKN-NH3	P	0.0774	mg/l	10/29/2025 14:15:19	
CCV1	S	TKN-NH3	P	4.9247	mg/l	10/29/2025 14:15:20	
CCB1	S	TKN-NH3	P	0.0689	mg/l	10/29/2025 14:15:23	
RL CHECK	S	TKN-NH3	P	0.4842	mg/l	10/29/2025 14:15:26	
PB170300BL	S	TKN-NH3	P	0.0742	mg/l	10/29/2025 14:25:57	
PB170300BS	S	TKN-NH3	P	5.0758	mg/l	10/29/2025 14:26:00	
Q3442-01	S	TKN-NH3	P	0.2223	mg/l	10/29/2025 14:26:01	
Q3442-01DUP	S	TKN-NH3	P	0.2209	mg/l	10/29/2025 14:26:03	
Q3442-01MS	S	TKN-NH3	P	4.6878	mg/l	10/29/2025 14:26:05	
Q3442-01MSD	S	TKN-NH3	P	4.7293	mg/l	10/29/2025 14:26:06	
Q3443-01	S	TKN-NH3	P	2.9797	mg/l	10/29/2025 14:34:21	
Q3462-01	S	TKN-NH3	P	1.6297	mg/l	10/29/2025 14:34:22	
Q3477-03	S	TKN-NH3	P	0.2546	mg/l	10/29/2025 14:34:23	
CCV2	S	TKN-NH3	P	4.961	mg/l	10/29/2025 14:34:24	
CCB2	S	TKN-NH3	P	0.077	mg/l	10/29/2025 14:34:26	

Calibration results

Aquakem 7.2AQ1

Page:

Alliance Technical Group

284 Sheffield Street, Mountainside, NJ 07092

Reviewed by : RM

Instrument ID : Konelab

10/29/2025 13:16

Test TKN-NH3

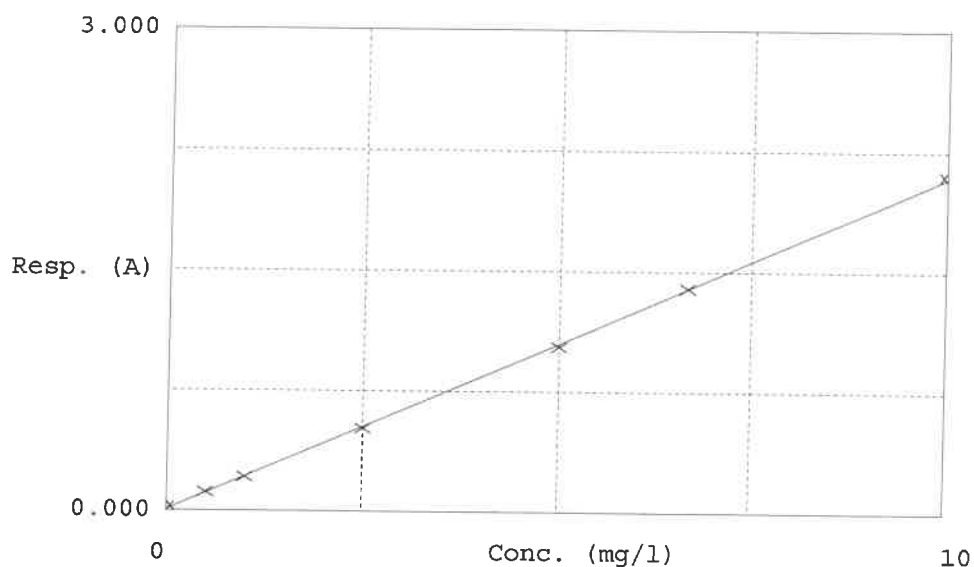
Accepted 10/29/2025 13:15

Factor 4.807

Bias 0.008

Coeff. of det. 0.999720

Errors



	Calibrator	Response	Calc. con.	Conc.	Errors
1	0.00PPM	0.025	0.0847	0.0000	-
2	TKN-10	0.115	0.5181	0.5000	3.6
3	TKN-10	0.211	0.9798	1.0000	-2.0
4	TKN-10	0.517	2.4497	2.5000	-2.0
5	TKN-10	1.027	4.9028	5.0000	-1.9
6	TKN-10	1.396	6.6743	6.6667	-0.4
7	TKN-10	2.100	10.0572	10.0000	0.6

10/29/2025
RM

Analytical Summary Report

Analysis Method: 365.3
Parameter: Phosphorus-Total
Run Number: LB137729

ANALYST: Iwona
SUPERVISOR REVIEW BY: jignesh

Reagent/Standard	Lot/Log #
calibration std. phosphate 1 ppm	WP115403
calibration std. phosphate 0.5 ppm	WP115402
calibration std. phosphate 0.3 ppm	WP115401
calibration std. phosphate 0.1 ppm	WP115400
calibration std. phosphate 0.05 ppm	WP115399
calibration std. 0 ppm	WP115398
phosphate CCV std.	WP115405
5N sulfuric acid	WP115340
Combined reagent	WP115408
Phenolphthalein indicator	WP113378
Sodium hydroxide, 1N	WP113878
Phosphate ICV-LCS Std	WP115404

Intercept: -0.0027 Slope: 0.657 Regression: 0.999783

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	0.004		10/31/2025	13:30
2	CAL2	0.05	1	50	50	0.033	0.054	8	10/31/2025	13:30
3	CAL3	0.10	1	50	50	0.065	0.103	3	10/31/2025	13:31
4	CAL4	0.30	1	50	50	0.184	0.284	-5.3	10/31/2025	13:31
5	CAL5	0.50	1	50	50	0.326	0.5	0	10/31/2025	13:32
6	CAL6	1.00	1	50	50	0.657	1.004	0.4	10/31/2025	13:32

Analytical Summary Report

Analysis Method: 365.3

ANALYST: Iwona

Parameter: Phosphorus-Total

SUPERVISOR REVIEW BY: jignesh

Run Number: LB137729

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	0.337	0.517	10/31/2025	13:33
2	ICB		1	50	50	0.002	0.007	10/31/2025	13:33
3	CCV1	0.50	1	50	50	0.327	0.502	10/31/2025	13:34
4	CCB1		1	50	50	0.004	0.010	10/31/2025	13:34
5	RL Check	0.05	1	50	50	0.027	0.045	10/31/2025	13:35
6	PB170350BL		1	50	50	0.004	0.010	10/31/2025	13:35
7	PB170350BS	0.50	1	50	50	0.337	0.517	10/31/2025	13:36
8	Q3420-05		1	50	50	0.118	0.184	10/31/2025	13:36
9	Q3442-01		1	50	50	0.014	0.025	10/31/2025	13:37
10	Q3442-01DUP		1	50	50	0.013	0.024	10/31/2025	13:37
11	Q3442-01MS	0.50	1	50	50	0.324	0.497	10/31/2025	13:38
12	Q3442-01MSD	0.50	1	50	50	0.328	0.503	10/31/2025	13:38
13	Q3443-01		1	50	50	0.416	0.637	10/31/2025	13:39
14	Q3462-01		1	50	50	0.078	0.123	10/31/2025	13:39
15	CCV2	0.50	1	50	50	0.321	0.493	10/31/2025	13:40
16	CCB2		1	50	50	0.002	0.007	10/31/2025	13:40

SOP ID : MSM4500-NH3 B,G-Ammonia-18

SDG No : N/A

Start Digest Date: 10/28/2025 Time : 14:50 Temp : 150 °C

Matrix : WATER

End Digest Date: 10/28/2025 Time : 15:50 Temp : 157 °C

Pipette ID : WC

11 batch
10/28/2025 16:15 150 °C
10/28/2025 17:15 160 °C

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*

Standard Name	MLS USED	STD REF. # FROM LOG
LCSW	1.0ML	WP115088
MS/MSD SPIKE SOL.	1.0ML	WP115087
PBW	50.0ML	W3112
RL CHECK	0.1ML	WP115087
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	WP115336
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
10/28/2025 17:25	<i>RM (WC)</i>	<i>RM (WC)</i>
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	Initial Vol (ml)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
PB170299BL	PBW299	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
PB170299BS	LCS299	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q3441-01	001 WILLETS PT BLVD (OCT)	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q3441-02	002 35TH AVE (OCT)	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q3443-01	SW-1	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q3462-01	SW-1	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q3477-03	SOUTH-MAHWAH-WATER	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q3477-03DUP	SOUTH-MAHWAH-WATERDUP	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q3477-03MS	SOUTH-MAHWAH-WATERMS	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q3477-03MSD	SOUTH-MAHWAH-WATERMSD	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-10-24. WorkList ID : 192682 Department : Distillation Date : 10-24-2025 16:58:01

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3443-01	SW-1	Water	Ammonia	Conc H2SO4 to pH < 2	ATGG01	D41	10/23/2025	SM4500-NH3
Q3462-01	SW-1	Water	Ammonia	Conc H2SO4 to pH < 2	ATGG01	D31	10/18/2025	SM4500-NH3
Q3477-03	SOUTH-MAHWAH-WATER	Water	Ammonia	Conc H2SO4 to pH < 2	PSEG03	D41	10/28/2025	SM4500-NH3
Q3441-01	001 Willets Pt Blvd (Oct)	Water	Ammonia	Conc H2SO4 to pH < 2	TULL01	J11	10/22/2025	SM4500-NH3
Q3441-02	002 35th Ave (Oct)	Water	Ammonia	Conc H2SO4 to pH < 2	TULL01	J11	10/22/2025	SM4500-NH3

Date/Time 10/28/2025 13:15
 Raw Sample Received by: RM Coxy
 Raw Sample Relinquished by: RM Coxy

Date/Time 10/28/2025 16:10
 Raw Sample Received by: RM Coxy
 Raw Sample Relinquished by: RM Coxy

SOP ID : MSM4500-N Org C-TKN-12

SDG No : N/A

Start Digest Date: 10/29/2025 Time : 08:50 Temp : 380 °C

Matrix : WATER

End Digest Date: 10/29/2025 Time : 10:20 Temp : 385 °C

Pipette ID : WC

Start Distillation Date: 10/29/2025 Time : 10:50 Temp : 150 °C

Balance ID : N/A

End Distillation Date: 10/29/2025 Time : 11:50 Temp : 159 °C

Hood ID : HOOD#283

Digestion tube ID : M5595

Block Thermometer ID : Therm#2(2179)

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

Standard Name	MLS USED	STD REF. # FROM LOG
TKN CAL STD	50.0ML	WP115372
TKN CCV STD	50.0ML	WP115373
TKN ICV STD	50.0ML	WP115374
TKN LCS STD	50.0ML	WP115375
MS/MSD SPIKE SOL.	0.25ML	WP115085

Chemical Used	ML/SAMPLE USED	Lot Number
TKN DIGESTION FLUID	10.0ML	WP113135
TKN DISTILLATION BUFFER	10.0ML	WP114445
H2SO4 0.04N	5.0ML	WP115336
pH Paper 0-14	N/A	W3241
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:

RL CHECK 10ML FROM WP115373 ,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
10/29/2025 12:05	RM CWC	RM CWC
10/29/2025 13:35	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	Initial Vol (ml)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
PB170300BL	PBW300	50	50	<2	N/A	N/A	N/A	PH AFTER ADDING DIST BUFFER>11	N/A
PB170300BS	LCS300	50	50	<2	N/A	N/A	N/A	PH AFTER ADDING DIST BUFFER>11	N/A
Q3442-01DUP	SW-1DUP	50	50	<2	N/A	N/A	N/A	PH AFTER ADDING DIST BUFFER>11	N/A
Q3442-01MS	SW-1MS	50	50	<2	N/A	N/A	N/A	PH AFTER ADDING DIST BUFFER>11	N/A
Q3442-01MSD	SW-1MSD	50	50	<2	N/A	N/A	N/A	PH AFTER ADDING DIST BUFFER>11	N/A
Q3442-01	SW-1	50	50	<2	N/A	N/A	N/A	PH AFTER ADDING DIST BUFFER>11	N/A
Q3443-01	SW-1	50	50	<2	N/A	N/A	N/A	PH AFTER ADDING DIST BUFFER>11	N/A
Q3462-01	SW-1	50	50	<2	N/A	N/A	N/A	PH AFTER ADDING DIST BUFFER>11	N/A
Q3477-03	SOUTH-MAHWAH-WATER	50	50	<2	N/A	N/A	N/A	PH AFTER ADDING DIST BUFFER>11	N/A

WORKLIST(Hardcopy Internal Chain)

WorkList Name : TKN-10-24.

WorkList ID : 192681

Department : Distillation

Date : 10-24-2025 16:57:07

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3442-01	SW-1	Water	TKN	Conc H2SO4 to pH < 2	ATGG01	D41	10/18/2025	SM4500 N Org
Q3443-01	SW-1	Water	TKN	Conc H2SO4 to pH < 2	ATGG01	D41	10/23/2025	SM4500 N Org
Q3462-01	SW-1	Water	TKN	Conc H2SO4 to pH < 2	ATGG01	D31	10/18/2025	SM4500 N Org
Q3477-03	SOUTH-MAHWAH-WATER	Water	TKN	Conc H2SO4 to pH < 2	PSEG03	D41	10/28/2025	SM4500 N Org

Date/Time 10/29/2025 08:20
 Raw Sample Received by: RM CWG
 Raw Sample Relinquished by: RM CWG

Date/Time 10/29/2025 11:10
 Raw Sample Received by: JPC
 Raw Sample Relinquished by: RM CWG

SOP ID : M365.3 & SM4500-P E-19

SDG No : N/A

Start Digest Date: 10/31/2025 Time : 10:00 Temp : 94 °C

Matrix : WATER

End Digest Date: 10/31/2025 Time : 11:00 Temp : 96 °C

Pipette ID : WC

Balance ID : N/A

Hood ID : HOOD#3

Digestion tube ID : M5595

Block Thermometer ID : WC-BLOCK#1

Block ID : WC S-1, WC S-2

Filter paper ID : 400213

Prep Technician Signature: *12*

Weigh By : N/A

pH Meter ID : N/A

Supervisor Signature: *JP*

Standardized 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	WP115406
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
11N H2SO4	1ML	WP115089
AMMONIUM PERSULFATE	0.4g	W3035
pH Paper 0-14	N/A	W3241
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	WP115398
CAL2	CAL2	50.0ML	WP115399
CAL3	CAL3	50.0ML	WP115400
CAL4	CAL4	50.0ML	WP115401
CAL5	CAL5	50.0ML	WP115402
CAL6	CAL6	50.0ML	WP115403
ICV	ICV	50.0ML	WP115404
ICB	ICB	50.0ML	W3112
CCV	CCV	50.0ML	WP115405
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

12
10/31/25

Lab Sample ID	Client Sample ID	Initial Vol (ml)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
PB170350BL	PBW350	50	50	<2	N/A	N/A	N/A	N/A	N/A
PB170350BS	LCS350	50	50	<2	N/A	N/A	N/A	N/A	N/A
Q3420-05	COMPOSITE	50	50	<2	N/A	N/A	N/A	N/A	N/A
Q3442-01	SW-1	50	50	<2	N/A	N/A	N/A	N/A	N/A
Q3442-01MS	SW-1MS	50	50	<2	N/A	N/A	N/A	N/A	N/A
Q3442-01MSD	SW-1MSD	50	50	<2	N/A	N/A	N/A	N/A	N/A
Q3442-01DUP	SW-1DUP	50	50	<2	N/A	N/A	N/A	N/A	N/A
Q3443-01	SW-1	50	50	<2	N/A	N/A	N/A	N/A	N/A
Q3462-01	SW-1	50	50	<2	N/A	N/A	N/A	N/A	N/A

WORKLIST(Hardcopy Internal Chain)

WorkList Name : totalphos-1031 WorkList ID : 192817 Department : Distillation Date : 10-31-2025 08:31:01

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3420-05	COMPOSITE	Water	Phosphorus-Total	Conc H2SO4 to pH < 2	DALT01	J22	10/21/2025	365.3
Q3442-01	SW-1	Water	Phosphorus-Total	Conc H2SO4 to pH < 2	ATGG01	D41	10/18/2025	365.3
Q3443-01	SW-1	Water	Phosphorus-Total	Conc H2SO4 to pH < 2	ATGG01	D41	10/23/2025	365.3
Q3462-01	SW-1	Water	Phosphorus-Total	Conc H2SO4 to pH < 2	ATGG01	D31	10/18/2025	365.3

Date/Time 10/31/25 09:10
 Raw Sample Received by: 1265CJ
 Raw Sample Relinquished by: 286C09

Date/Time 10/31/25 10:25
 Raw Sample Received by: 286C09
 Raw Sample Relinquished by: 1265CJ

Instrument ID: WC SC-3

Daily Analysis Runlog For Sequence/QC Batch ID # LB137648

Review By	jignesh	Review On	10/27/2025 11:53:44 AM
Supervise By	Iwona	Supervise On	10/27/2025 12:08:52 PM
SubDirectory	LB137648	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	LB137648BL	LB137648BL	MB	10/24/25 12:30		jignesh	OK
2	LB137648BS	LB137648BS	LCS	10/24/25 12:30	55 mg w3186 + 100ml w3112	jignesh	OK
3	Q3420-05	COMPOSITE	SAM	10/24/25 12:30		jignesh	OK
4	Q3428-02	Comp	SAM	10/24/25 12:30		jignesh	OK
5	Q3432-01	OUTFALL-001	SAM	10/24/25 12:30		jignesh	OK
6	Q3442-01	SW-1	SAM	10/24/25 12:30		jignesh	OK
7	Q3443-01	SW-1	SAM	10/24/25 12:30		jignesh	OK
8	Q3448-01	DSN001	SAM	10/24/25 12:30		jignesh	OK
9	Q3448-01DUP	DSN001DUP	DUP	10/24/25 12:30		jignesh	OK
10	Q3462-01	SW-1	SAM	10/24/25 12:30		jignesh	OK

Instrument ID: IC-1

Daily Analysis Runlog For Sequence/QC Batch ID # LB137653

Review By	rubina	Review On	10/29/2025 11:46:12 AM
Supervise By	Iwona	Supervise On	10/29/2025 11:51:50 AM
SubDirectory	LB137653	Test	Anions
STD. NAME	STD REF.#		
ICAL Standard	WP115135,WP115136,WP115137,WP115138,WP115139,WP115140,WP115141		
ICV Standard	WP115142		
CCV Standard	WP115318		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	WP115319		
Chk Standard	WP115144,WP115345		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	STD1	STD1	CAL1	10/09/25 10:46	All standards, samples, and	RM/IZ	OK
2	STD2	STD2	CAL2	10/09/25 11:08	QC are filtered through	RM/IZ	OK
3	STD3	STD3	CAL3	10/09/25 11:29	0.45um, filter lot W3160	RM/IZ	OK
4	STD4	STD4	CAL4	10/09/25 11:51		RM/IZ	OK
5	STD5	STD5	CAL5	10/09/25 12:12		RM/IZ	OK
6	STD6	STD6	CAL6	10/09/25 12:34		RM/IZ	OK
7	STD7	STD7	CAL7	10/09/25 12:55		RM/IZ	OK
8	ICV1	ICV1	ICV	10/09/25 13:16		RM/IZ	OK
9	ICB1	ICB1	ICB	10/09/25 13:38		RM/IZ	OK
10	CCV1	CCV1	CCV	10/24/25 10:26		RM/IZ	OK
11	CCB1	CCB1	CCB	10/24/25 10:47		RM/IZ	OK
12	LB137653BLW	LB137653BLW	MB	10/24/25 11:09		RM/IZ	OK
13	LB137653BSW	LB137653BSW	LCS	10/24/25 11:30		RM/IZ	OK
14	Q3442-01	SW-1	SAM	10/24/25 14:24		RM/IZ	OK
15	Q3442-01MS	SW-1MS	MS	10/24/25 14:45	9.5ml of sample, 0.5mL W3096	RM/IZ	OK
16	Q3442-01MSD	SW-1MSD	MSD	10/24/25 15:07	9.5ml of sample, 0.5mL W3096	RM/IZ	OK
17	Q3443-01	SW-1	SAM	10/24/25 15:28		RM/IZ	OK
18	Q3462-01	SW-1	SAM	10/24/25 15:50		RM/IZ	OK

Instrument ID: IC-1

Daily Analysis Runlog For Sequence/QC Batch ID # LB137653

Review By	rubina	Review On	10/29/2025 11:46:12 AM
Supervise By	Iwona	Supervise On	10/29/2025 11:51:50 AM
SubDirectory	LB137653	Test	Anions
STD. NAME	STD REF.#		
ICAL Standard	WP115135,WP115136,WP115137,WP115138,WP115139,WP115140,WP115141		
ICV Standard	WP115142		
CCV Standard	WP115318		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	WP115319		
Chk Standard	WP115144,WP115345		

19	Q3443-01DL	SW-1DL	SAM	10/24/25 16:12		RM/IZ	OK
20	CCV2	CCV2	CCV	10/24/25 16:33		RM/IZ	OK
21	CCB2	CCB2	CCB	10/24/25 16:54		RM/IZ	OK

Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QC Batch ID # LB137693

Review By	rubina	Review On	10/30/2025 9:01:43 AM
Supervise By	Iwona	Supervise On	10/30/2025 9:59:52 AM
SubDirectory	LB137693	Test	Ammonia
STD. NAME	STD REF.#		
ICAL Standard	WP115376		
ICV Standard	WP115378		
CCV Standard	WP115377		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	WP115088		
Chk Standard	WP115290,WP114133,WP113929,WP114132		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	0.0PPM	0.0PPM	CAL1	10/29/25 09:59		rubina	OK
2	0.1PPM	0.1PPM	CAL2	10/29/25 09:59		rubina	OK
3	0.2PPM	0.2PPM	CAL3	10/29/25 09:59		rubina	OK
4	0.4PPM	0.4PPM	CAL4	10/29/25 09:59		rubina	OK
5	1.0PPM	1.0PPM	CAL5	10/29/25 09:59		rubina	OK
6	1.3PPM	1.3PPM	CAL6	10/29/25 09:59		rubina	OK
7	2.0PPM	2.0PPM	CAL7	10/29/25 09:59		rubina	OK
8	ICV1	ICV1	ICV	10/29/25 11:27		rubina	OK
9	ICB1	ICB1	ICB	10/29/25 11:27		rubina	OK
10	CCV1	CCV1	CCV	10/29/25 11:27		rubina	OK
11	CCB1	CCB1	CCB	10/29/25 11:27		rubina	OK
12	RL	RL	LOQ	10/29/25 11:27		rubina	OK
13	PB170299BL	PB170299BL	MB	10/29/25 11:38		rubina	OK
14	PB170299BS	PB170299BS	LCS	10/29/25 11:38		rubina	OK
15	Q3441-01	001 Willets Pt Blvd (O	SAM	10/29/25 11:38	NH3 is high	rubina	Dilution
16	Q3441-02	002 35th Ave (Oct)	SAM	10/29/25 11:38	NH3 is high	rubina	Dilution
17	Q3443-01	SW-1	SAM	10/29/25 11:38		rubina	OK
18	Q3462-01	SW-1	SAM	10/29/25 11:38		rubina	OK

Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QC Batch ID # LB137693

Review By	rubina	Review On	10/30/2025 9:01:43 AM
Supervise By	Iwona	Supervise On	10/30/2025 9:59:52 AM
SubDirectory	LB137693	Test	Ammonia
STD. NAME	STD REF.#		
ICAL Standard	WP115376		
ICV Standard	WP115378		
CCV Standard	WP115377		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	WP115088		
Chk Standard	WP115290,WP114133,WP113929,WP114132		

19	Q3477-03	SOUTH-MAHWAH-W	SAM	10/29/25 11:38		rubina	OK
20	Q3477-03DUP	SOUTH-MAHWAH-W	DUP	10/29/25 11:49		rubina	OK
21	Q3477-03MS	SOUTH-MAHWAH-W	MS	10/29/25 11:49		rubina	OK
22	CCV2	CCV2	CCV	10/29/25 11:49		rubina	OK
23	CCB2	CCB2	CCB	10/29/25 11:49		rubina	OK
24	Q3477-03MSD	SOUTH-MAHWAH-W	MSD	10/29/25 11:49		rubina	OK
25	CCV3	CCV3	CCV	10/29/25 11:49		rubina	OK
26	CCB3	CCB3	CCB	10/29/25 11:54		rubina	OK
27	Q3441-01DL	001 Willets Pt Blvd (O	SAM	10/29/25 12:15	5X For NH3	rubina	Confirms
28	Q3441-02DL	002 35th Ave (Oct)DL	SAM	10/29/25 12:15	5X For NH3	rubina	Confirms
29	CCV4	CCV4	CCV	10/29/25 12:15		rubina	OK
30	CCB4	CCB4	CCB	10/29/25 12:15		rubina	OK

Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QC Batch ID # LB137696

Review By	rubina	Review On	10/30/2025 9:03:30 AM
Supervise By	Iwona	Supervise On	10/30/2025 10:00:07 AM
SubDirectory	LB137696	Test	TKN
STD. NAME	STD REF.#		
ICAL Standard	WP115372		
ICV Standard	WP115374		
CCV Standard	WP115373		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	WP115375		
Chk Standard	WP115290,WP114133,WP113929,WP114132		

Sr#	SampleID	ClientID	QcType	Date	Comment	Operator	Status
1	0.0PPM	0.0PPM	CAL1	10/29/25 12:58		rubina	OK
2	0.5PPM	0.5PPM	CAL2	10/29/25 12:58		rubina	OK
3	1.0PPM	1.0PPM	CAL3	10/29/25 12:58		rubina	OK
4	2.5PPM	2.5PPM	CAL4	10/29/25 12:58		rubina	OK
5	5.0PPM	5.0PPM	CAL5	10/29/25 12:58		rubina	OK
6	6.7PPM	6.7PPM	CAL6	10/29/25 12:58		rubina	OK
7	10.0PPM	10.0PPM	CAL7	10/29/25 12:58		rubina	OK
8	ICV1	ICV1	ICV	10/29/25 14:15		rubina	OK
9	ICB1	ICB1	ICB	10/29/25 14:15		rubina	OK
10	CCV1	CCV1	CCV	10/29/25 14:15		rubina	OK
11	CCB1	CCB1	CCB	10/29/25 14:15		rubina	OK
12	RL	RL	LOQ	10/29/25 14:15		rubina	OK
13	PB170300BL	PB170300BL	MB	10/29/25 14:25		rubina	OK
14	PB170300BS	PB170300BS	LCS	10/29/25 14:26		rubina	OK
15	Q3442-01	SW-1	SAM	10/29/25 14:26		rubina	OK
16	Q3442-01DUP	SW-1DUP	DUP	10/29/25 14:26		rubina	OK
17	Q3442-01MS	SW-1MS	MS	10/29/25 14:26		rubina	OK
18	Q3442-01MSD	SW-1MSD	MSD	10/29/25 14:26		rubina	OK

Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QC Batch ID # LB137696

Review By	rubina	Review On	10/30/2025 9:03:30 AM
Supervise By	Iwona	Supervise On	10/30/2025 10:00:07 AM
SubDirectory	LB137696	Test	TKN
STD. NAME	STD REF.#		
ICAL Standard	WP115372		
ICV Standard	WP115374		
CCV Standard	WP115373		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	WP115375		
Chk Standard	WP115290,WP114133,WP113929,WP114132		

19	Q3443-01	SW-1	SAM	10/29/25 14:34		rubina	OK
20	Q3462-01	SW-1	SAM	10/29/25 14:34		rubina	OK
21	Q3477-03	SOUTH-MAHWAH-W	SAM	10/29/25 14:34		rubina	OK
22	CCV2	CCV2	CCV	10/29/25 14:34		rubina	OK
23	CCB2	CCB2	CCB	10/29/25 14:34		rubina	OK

Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QC Batch ID # LB137729

Review By	Iwona	Review On	10/31/2025 3:56:24 PM
Supervise By	jignesh	Supervise On	10/31/2025 3:57:50 PM
SubDirectory	LB137729	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	WP115403,WP115402,WP115401,WP115400,WP115399,WP115398,WP115405,WP115340,WP115408,WP113378,V		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	10/31/25 13:30		rubina	OK
2	CAL2	CAL2	CAL	10/31/25 13:30		rubina	OK
3	CAL3	CAL3	CAL	10/31/25 13:31		rubina	OK
4	CAL4	CAL4	CAL	10/31/25 13:31		rubina	OK
5	CAL5	CAL5	CAL	10/31/25 13:32		rubina	OK
6	CAL6	CAL6	CAL	10/31/25 13:32		rubina	OK
7	ICV	ICV	ICV	10/31/25 13:33		rubina	OK
8	ICB	ICB	ICB	10/31/25 13:33		rubina	OK
9	CCV1	CCV1	CCV	10/31/25 13:34		rubina	OK
10	CCB1	CCB1	CCB	10/31/25 13:34		rubina	OK
11	RL Check	RL Check	RL	10/31/25 13:35		rubina	OK
12	PB170350BL	PB170350BL	MB	10/31/25 13:35		rubina	OK
13	PB170350BS	PB170350BS	LCS	10/31/25 13:36		rubina	OK
14	Q3420-05	COMPOSITE	SAM	10/31/25 13:36		rubina	OK
15	Q3442-01	SW-1	SAM	10/31/25 13:37		rubina	OK
16	Q3442-01DUP	SW-1DUP	DUP	10/31/25 13:37		rubina	OK
17	Q3442-01MS	SW-1MS	MS	10/31/25 13:38		rubina	OK
18	Q3442-01MSD	SW-1MSD	MSD	10/31/25 13:38		rubina	OK

Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QC Batch ID # LB137729

Review By	Iwona	Review On	10/31/2025 3:56:24 PM
Supervise By	jignesh	Supervise On	10/31/2025 3:57:50 PM
SubDirectory	LB137729	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	WP115403,WP115402,WP115401,WP115400,WP115399,WP115398,WP115405,WP115340,WP115408,WP113378,V		

19	Q3443-01	SW-1	SAM	10/31/25 13:39		rubina	OK
20	Q3462-01	SW-1	SAM	10/31/25 13:39		rubina	OK
21	CCV2	CCV2	CCV	10/31/25 13:40		rubina	OK
22	CCB2	CCB2	CCB	10/31/25 13:40		rubina	OK



SHIPPING DOCUMENTS



284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax: (908) 788-9222
www.chemtech.net

CHAIN OF CUSTODY RECORD

Alliance Project Number: AEC-2025-0013

COC Number:

Q3443

CLIENT INFORMATION		PROJECT INFORMATION				BILLING INFORMATION																	
COMPANY: Durham School Services		PROJECT NAME: CSC 6600 Jefferson Hills				BILL TO: dede.golding@alliancetg.com					PO#												
ADDRESS: 1 John C Dean Memorial Boulevard		PROJECT #: AEC-2025-0013 LOCATION: PA				ADDRESS:																	
CITY: Jefferson Hills STATE: PA ZIP:		PROJECT MANAGER:				CITY:					STATE: ZIP:												
ATTENTION: staci.bruce@alliancetg.com		E-MAIL:				ATTENTION:					PHONE:												
PHONE: FAX:		PHONE: FAX:				ANALYSIS																	
DATA TURNAROUND INFORMATION		DATA DELIVERABLE INFORMATION				PRESERVATIVES										COMMENTS							
FAX: DAYS* HARD COPY: DAYS* EDD DAYS* * TO BE APPROVED BY ALLIANCE STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS		☐ RESULTS ONLY ☐ RESULTS + QC ☐ New Jersey REDUCED ☐ New Jersey CLP ☐ EDD Format				☐ USEPA CLP ☐ New York State ASP "B" ☐ New York State ASP "A" ☐ Other				Oil & Grease TSS Total Phosphorus Total Nitrogen 1 2 3 4 5 6 7 8 9										<- Specify Preservatives A-HCl B-HNO3 C-H2SO4 D-NaOH E-ICE F-Other			
CHEMTECH SAMPLE ID		PROJECT SAMPLE IDENTIFICATION		SAMPLE MATRIX		SAMPLE TYPE		SAMPLE COLLECTION		# of Bottles		1 2 3 4 5 6 7 8 9											
1.		SW-1		SW		COMP GRAB		DATE TIME		# of Bottles		1 1 1 1											
2.																							
3.																							
4.																							
5.																							
6.																							
7.																							
8.																							
9.																							
10.																							
SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY																							
RELINQUISHED BY SAMPLER		DATE/TIME		RECEIVED BY		Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant ☐ Cooler Temp 4.5 C MeOH extraction requires an additional 4oz. Jar for percent solid Comments:																	
1.				1137																			
RELINQUISHED BY		DATE/TIME		RECEIVED BY																			
2.				2.																			
RELINQUISHED BY		DATE/TIME		RECEIVED FOR LAB BY																			
3.				3.																			
Page of						SHIPPED VIA: CLIENT: ☐ Hand Delivered ☐ Overnight ALLIANCE: ☐ Picked Up ☐ Overnight						Shipment Complete ☐ YES ☐ NO											
WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY																							

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