

Cover Page

Order ID : Q2795

Project ID : Girard School - PA

Client : Kleinfelder

Lab Sample Number

Q2795-01
Q2795-02
Q2795-03

Client Sample Number

COMP-1
COMP-2
COMP-3

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: 8/14/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2795

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 Custody

✓

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: PRATIK PATEL

Date: 08/14/2025

LAB CHRONICLE

OrderID:	Q2795	OrderDate:	8/7/2025 11:57:00 AM
Client:	Kleinfelder	Project:	Girard School - PA
Contact:	Mark Warchol	Location:	D31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2795-01	COMP-1	SOIL			08/06/25 10:20			08/07/25
			Ammonia	SM4500-NH3		08/11/25	08/12/25 09:57	
			Anions Group1	9056A			08/07/25 13:56	
			Hexavalent Chromium	7196A		08/11/25	08/11/25 13:54	
			Trivalent Chromium	6010D			08/11/25 15:23	
Q2795-02	COMP-2	SOIL			08/06/25 11:25			08/07/25
			Ammonia	SM4500-NH3		08/11/25	08/12/25 10:08	
			Anions Group1	9056A			08/07/25 15:01	
			Hexavalent Chromium	7196A		08/11/25	08/11/25 13:59	
			Trivalent Chromium	6010D			08/11/25 15:27	
Q2795-03	COMP-3	SOIL			08/06/25 12:20			08/07/25
			Ammonia	SM4500-NH3		08/11/25	08/12/25 10:08	
			Anions Group1	9056A			08/07/25 15:23	
			Hexavalent Chromium	7196A		08/11/25	08/11/25 14:00	
			Trivalent Chromium	6010D			08/11/25 15:31	



SAMPLE DATA

Report of Analysis

Client:	Kleinfelder	Date Collected:	08/06/25 10:20
Project:	Girard School - PA	Date Received:	08/07/25
Client Sample ID:	COMP-1	SDG No.:	Q2795
Lab Sample ID:	Q2795-01	Matrix:	SOIL
		% Solid:	82.5

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Ammonia as N	2.60	U	1	2.60	5.90	mg/Kg	08/11/25 12:00	08/12/25 09:57	SM 4500-NH3 B plus G-21
Chloride	11.0	J	1	4.20	14.5	mg/Kg		08/07/25 13:56	9056A
Fluoride	3.00	J	1	2.10	9.70	mg/Kg		08/07/25 13:56	9056A
Sulfate	78.4		1	10.6	72.6	mg/Kg		08/07/25 13:56	9056A
Hexavalent Chromium	0.083	U	1	0.083	0.48	mg/Kg	08/11/25 09:15	08/11/25 13:54	7196A
Trivalent Chromium	10.7		1	0.61	0.61	mg/Kg		08/11/25 15:23	6010D

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:	Kleinfelder	Date Collected:	08/06/25 11:25
Project:	Girard School - PA	Date Received:	08/07/25
Client Sample ID:	COMP-2	SDG No.:	Q2795
Lab Sample ID:	Q2795-02	Matrix:	SOIL
		% Solid:	80.8

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Ammonia as N	2.60	U	1	2.60	6.00	mg/Kg	08/11/25 12:00	08/12/25 10:08	SM 4500-NH3 B plus G-21
Chloride	65.4		1	4.30	14.8	mg/Kg		08/07/25 15:01	9056A
Fluoride	5.30	J	1	2.20	9.90	mg/Kg		08/07/25 15:01	9056A
Sulfate	21.0	J	1	10.8	74.0	mg/Kg		08/07/25 15:01	9056A
Hexavalent Chromium	0.086	U	1	0.086	0.49	mg/Kg	08/11/25 09:15	08/11/25 13:59	7196A
Trivalent Chromium	12.9		1	0.62	0.62	mg/Kg		08/11/25 15:27	6010D

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:	Kleinfelder	Date Collected:	08/06/25 12:20
Project:	Girard School - PA	Date Received:	08/07/25
Client Sample ID:	COMP-3	SDG No.:	Q2795
Lab Sample ID:	Q2795-03	Matrix:	SOIL
		% Solid:	82

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Ammonia as N	2.70	U	1	2.70	6.00	mg/Kg	08/11/25 12:00	08/12/25 10:08	SM 4500-NH3 B plus G-21
Chloride	19.8		1	4.20	14.5	mg/Kg		08/07/25 15:23	9056A
Fluoride	3.40	J	1	2.10	9.70	mg/Kg		08/07/25 15:23	9056A
Sulfate	13.7	J	1	10.6	72.7	mg/Kg		08/07/25 15:23	9056A
Hexavalent Chromium	0.084	U	1	0.084	0.48	mg/Kg	08/11/25 09:15	08/11/25 14:00	7196A
Trivalent Chromium	14.0		1	0.61	0.61	mg/Kg		08/11/25 15:31	6010D

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: Kleinfelder

SDG No.: Q2795

Project: Girard School - PA

RunNo.: LB136743

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1						
Bromide	mg/L	10.3	10	103	90-110	08/06/2025
Chloride	mg/L	3.2	3	107	90-110	08/06/2025
Fluoride	mg/L	2	2	100	90-110	08/06/2025
Nitrite	mg/L	3.1	3	103	90-110	08/06/2025
Nitrate	mg/L	2.6	2.5	104	90-110	08/06/2025
Sulfate	mg/L	15.4	15	103	90-110	08/06/2025
Orthophosphate as P	mg/L	5	5	100	90-110	08/06/2025
Sample ID: CCV1						
Bromide	mg/L	10.2	10	102	90-110	08/07/2025
Chloride	mg/L	3	3	100	90-110	08/07/2025
Fluoride	mg/L	2	2	100	90-110	08/07/2025
Nitrite	mg/L	3	3	100	90-110	08/07/2025
Nitrate	mg/L	2.5	2.5	100	90-110	08/07/2025
Sulfate	mg/L	15.1	15	101	90-110	08/07/2025
Orthophosphate as P	mg/L	5.1	5	102	90-110	08/07/2025
Sample ID: CCV2						
Bromide	mg/L	10.2	10	102	90-110	08/07/2025
Chloride	mg/L	3.1	3	103	90-110	08/07/2025
Fluoride	mg/L	2	2	100	90-110	08/07/2025
Nitrite	mg/L	3	3	100	90-110	08/07/2025
Nitrate	mg/L	2.5	2.5	100	90-110	08/07/2025
Sulfate	mg/L	15.2	15	101	90-110	08/07/2025
Orthophosphate as P	mg/L	5.1	5	102	90-110	08/07/2025

Initial and Continuing Calibration Verification

Client: Kleinfelder

SDG No.: Q2795

Project: Girard School - PA

RunNo.: LB136775

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV Hexavalent Chromium	mg/L	0.493	0.5	99	90-110	08/11/2025
Sample ID: CCV1 Hexavalent Chromium	mg/L	0.498	0.5	100	90-110	08/11/2025
Sample ID: CCV2 Hexavalent Chromium	mg/L	0.493	0.5	99	90-110	08/11/2025
Sample ID: CCV3 Hexavalent Chromium	mg/L	0.497	0.5	99	90-110	08/11/2025

Initial and Continuing Calibration Verification

Client: Kleinfelder

SDG No.: Q2795

Project: Girard School - PA

RunNo.: LB136784

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1 Ammonia as N	mg/L	0.99	1	99	90-110	08/12/2025
Sample ID: CCV1 Ammonia as N	mg/L	0.97	1	97	90-110	08/12/2025
Sample ID: CCV2 Ammonia as N	mg/L	0.97	1	97	90-110	08/12/2025
Sample ID: CCV3 Ammonia as N	mg/L	1	1	100	90-110	08/12/2025
Sample ID: CCV4 Ammonia as N	mg/L	0.99	1	99	90-110	08/12/2025

Initial and Continuing Calibration Blank Summary

Client: Kleinfelder

SDG No.: Q2795

Project: Girard School - PA

RunNo.: LB136743

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	08/06/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	08/06/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	08/06/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	08/06/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	08/06/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	08/06/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	08/06/2025
Sample ID: CCB1							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	08/07/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	08/07/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	08/07/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	08/07/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	08/07/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	08/07/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	08/07/2025
Sample ID: CCB2							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	08/07/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	08/07/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	08/07/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	08/07/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	08/07/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	08/07/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	08/07/2025

Initial and Continuing Calibration Blank Summary

Client: Kleinfelder

SDG No.: Q2795

Project: Girard School - PA

RunNo.: LB136775

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	08/11/2025
Sample ID: CCB1 Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	08/11/2025
Sample ID: CCB2 Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	08/11/2025
Sample ID: CCB3 Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	08/11/2025

Initial and Continuing Calibration Blank Summary

Client: Kleinfelder

SDG No.: Q2795

Project: Girard School - PA

RunNo.: LB136784

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1 Ammonia as N	mg/L	0.032	0.0500	J	0.030	0.1	08/12/2025
Sample ID: CCB1 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	08/12/2025
Sample ID: CCB2 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	08/12/2025
Sample ID: CCB3 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	08/12/2025
Sample ID: CCB4 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	08/12/2025

Preparation Blank Summary

Client: Kleinfelder

SDG No.: Q2795

Project: Girard School - PA

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: LB136743BLS							
Bromide	mg/Kg	< 20.0000	20.0000	U	7	40	08/07/2025
Chloride	mg/Kg	< 6.0000	6.0000	U	3.5	12	08/07/2025
Fluoride	mg/Kg	< 4.0000	4.0000	U	1.8	8	08/07/2025
Nitrite	mg/Kg	< 6.0000	6.0000	U	1.5	12	08/07/2025
Nitrate	mg/Kg	< 5.0000	5.0000	U	1.8	10	08/07/2025
Sulfate	mg/Kg	< 30.0000	30.0000	U	8.8	60	08/07/2025
Orthophosphate as P	mg/Kg	< 10.0000	10.0000	U	6.7	20	08/07/2025
Sample ID: PB169184BL							
Hexavalent Chromium	mg/Kg	< 0.2000	0.2000	U	0.07	0.4	08/11/2025
Sample ID: PB169198BL							
Ammonia as N	mg/Kg	< 2.5000	2.5000	U	2.2	5	08/12/2025

Matrix Spike Summary

Client:	Kleinfelder	SDG No.:	Q2795
Project:	Girard School - PA	Sample ID:	Q2795-01
Client ID:	COMP-1MS	Percent Solids for Spike Sample:	82.5

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/Kg	75-125	55.3		2.60	U	58.3	1	95		08/12/2025
Bromide	mg/Kg	80-120	247		8.50	U	240	1	103		08/07/2025
Chloride	mg/Kg	80-120	83.9		11.0	J	72.3	1	101		08/07/2025
Fluoride	mg/Kg	80-120	49.2		3.00	J	48.2	1	96		08/07/2025
Nitrite	mg/Kg	80-120	73.6		1.90	U	72.3	1	102		08/07/2025
Nitrate	mg/Kg	80-120	65.8		5.90	J	60.2	1	100		08/07/2025
Sulfate	mg/Kg	80-120	424		78.4		360	1	96		08/07/2025
Orthophosphate as P	mg/Kg	80-120	123		14.0	J	120	1	91		08/07/2025

Matrix Spike Summary

Client:	Kleinfelder	SDG No.:	Q2795
Project:	Girard School - PA	Sample ID:	Q2795-01
Client ID:	COMP-1MS	Percent Solids for Spike Sample:	82.5

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	75-125	1520		0.083	U	1560	40	97		08/11/2025

Matrix Spike Summary

Client:	Kleinfelder	SDG No.:	Q2795
Project:	Girard School - PA	Sample ID:	Q2795-01
Client ID:	COMP-1MS	Percent Solids for Spike Sample:	82.5

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	85-115	46.3		0.083	U	48.5	2	96		08/11/2025

Matrix Spike Summary

Client:	Kleinfelder	SDG No.:	Q2795
Project:	Girard School - PA	Sample ID:	Q2795-01
Client ID:	COMP-1MSD	Percent Solids for Spike Sample:	82.5

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/Kg	75-125	56.0		2.60	U	59.4	1	94		08/12/2025
Bromide	mg/Kg	80-120	249		8.50	U	240	1	104		08/07/2025
Chloride	mg/Kg	80-120	85.0		11.0	J	72.6	1	102		08/07/2025
Fluoride	mg/Kg	80-120	49.8		3.00	J	48.4	1	97		08/07/2025
Nitrite	mg/Kg	80-120	74.1		1.90	U	72.6	1	102		08/07/2025
Nitrate	mg/Kg	80-120	66.2		5.90	J	60.5	1	100		08/07/2025
Sulfate	mg/Kg	80-120	429		78.4		360	1	97		08/07/2025
Orthophosphate as P	mg/Kg	80-120	122		14.0	J	120	1	90		08/07/2025

Matrix Spike Summary

Client:	Kleinfelder	SDG No.:	Q2795
Project:	Girard School - PA	Sample ID:	Q2795-01
Client ID:	COMP-1MS	Percent Solids for Spike Sample:	82.5

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	75-125	42.0		0.083	U	48.5	2	87		08/11/2025

Duplicate Sample Summary

Client: Kleinfelder Project: Girard School - PA Client ID: COMP-1DUP	SDG No.: Q2795 Sample ID: Q2795-01 Percent Solids for Spike Sample: 82.5
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Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	+/-20	0.083	U	0.083	U	1	0		08/11/2025
Ammonia as N	mg/Kg	+/-20	2.60	U	2.60	U	1	0		08/12/2025

Duplicate Sample Summary

Client: Kleinfelder Project: Girard School - PA Client ID: COMP-1MSD	SDG No.: Q2795 Sample ID: Q2795-01 Percent Solids for Spike Sample: 82.5
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Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
Bromide	mg/Kg	+/-15	247		249		1	1		08/07/2025
Chloride	mg/Kg	+/-15	83.9		85.0		1	1		08/07/2025
Fluoride	mg/Kg	+/-15	49.2		49.8		1	1		08/07/2025
Nitrate	mg/Kg	+/-15	65.8		66.2		1	1		08/07/2025
Nitrite	mg/Kg	+/-15	73.6		74.1		1	1		08/07/2025
Orthophosphate as P	mg/Kg	+/-15	123		122		1	1		08/07/2025
Sulfate	mg/Kg	+/-15	424		429		1	1		08/07/2025
Ammonia as N	mg/Kg	+/-20	55.3		56.0		1	1		08/12/2025

Laboratory Control Sample Summary

Client: Kleinfelder

SDG No.: Q2795

Project: Girard School - PA

Run No.: LB136743

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB136743BSS							
Bromide	mg/Kg	200	203		102	1	90-110	08/07/2025
Chloride	mg/Kg	60	61.0		102	1	90-110	08/07/2025
Fluoride	mg/Kg	40	40.8		102	1	90-110	08/07/2025
Nitrite	mg/Kg	60	60.5		101	1	90-110	08/07/2025
Nitrate	mg/Kg	50	50.6		101	1	90-110	08/07/2025
Sulfate	mg/Kg	300	302		101	1	90-110	08/07/2025
Orthophosphate as P	mg/Kg	100	103		103	1	90-110	08/07/2025

Laboratory Control Sample Summary

Client: Kleinfelder

SDG No.: Q2795

Project: Girard School - PA

Run No.: LB136775

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	PB169184BS							
Hexavalent Chromium	mg/Kg	20	20.0		100	1	84-110	08/11/2025

Laboratory Control Sample Summary

Client: Kleinfelder

SDG No.: Q2795

Project: Girard School - PA

Run No.: LB136784

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	PB169198BS							
Ammonia as N	mg/Kg	50	50.4		101	1	90-110	08/12/2025



RAW DATA

Instrument IC-1		Analyst: NF		Method: 300.0 / 9056A				
Ident	Con F-	Con CL-	Con NO	Con BR-	Con NO	Con HPC Con SO4	Method name date time	Initial wt/Final \ Analyst
STD1	0.000	0.000	0.000	0.000	0.000	0.000	IC1-080625 8/6/2025 10:18	10 RM/IZ
STD2	0.413	0.620	0.623	2.052	0.515	1.033	3.185 IC1-080625 8/6/2025 10:40	10 RM/IZ
STD3	0.794	1.184	1.185	3.953	0.990	2.067	5.931 IC1-080625 8/6/2025 11:01	10 RM/IZ
STD4	1.023	1.524	1.519	5.070	1.270	2.633	7.597 IC1-080625 8/6/2025 11:23	10 RM/IZ
STD5	1.972	2.981	2.982	9.960	2.483	4.695	14.838 IC1-080625 8/6/2025 11:44	10 RM/IZ
STD6	3.956	5.938	5.934	19.801	4.945	9.953	29.505 IC1-080625 8/6/2025 12:06	10 RM/IZ
STD7	5.041	7.553	7.556	25.165	6.298	12.620	37.443 IC1-080625 8/6/2025 12:27	10 RM/IZ
ICV	2.038	3.184	3.095	10.343	2.641	4.970	15.425 IC1-080625 8/6/2025 12:48	10 RM/IZ
ICB	0.000	0.000	0.000	0.000	0.000	0.000	IC1-080625 8/6/2025 13:10	10 RM/IZ
CCV	2.039	3.047	3.026	10.152	2.527	5.131	15.069 IC1-080625 8/7/2025 9:06	10 RM/IZ
CCB	0.000	0.000	0.000	0.000	0.000	0.000	IC1-080625 8/7/2025 9:28	10 RM/IZ
LB136743BLS	0.000	0.000	0.000	0.000	0.000	0.000	IC1-080625 8/7/2025 9:49	5.00g/100ml RM/IZ
LB136743BSS	2.038	3.048	3.025	10.165	2.532	5.157	15.088 IC1-080625 8/7/2025 10:11	5.00g/100ml RM/IZ
Q2795-01	0.122	0.456	0.000	0.000	0.242	0.579	3.241 IC1-080625 8/7/2025 13:56	5.01g/100ml RM/IZ
Q2795-01MS	2.041	3.483	3.055	10.257	2.730	5.121	17.600 IC1-080625 8/7/2025 14:18	5.03g/100ml RM/IZ
Q2795-01MSD	2.059	3.514	3.064	10.281	2.735	5.055	17.748 IC1-080625 8/7/2025 14:40	5.01g/100ml RM/IZ
Q2795-02	0.217	2.654	0.000	0.000	0.068	0.339	0.850 IC1-080625 8/7/2025 15:01	5.02g/100ml RM/IZ
Q2795-03	0.142	0.817	0.000	0.000	0.059	0.406	0.564 IC1-080625 8/7/2025 15:23	5.03g/100ml RM/IZ
CCV	2.033	3.054	3.030	10.153	2.533	5.104	15.150 IC1-080625 8/7/2025 15:44	10 RM/IZ
CCB	0.000	0.000	0.000	0.000	0.000	0.000	IC1-080625 8/7/2025 16:06	10 RM/IZ

Clear table

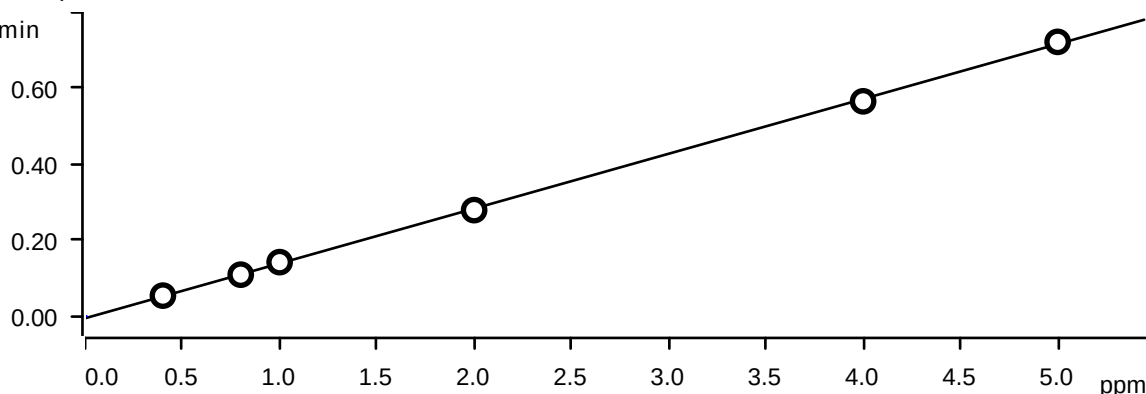
Instrument ID: IC-2 Analyst : IZ Method: 300.0 / 9056A										
concentra		concentratio	concentrati	concentrati	concentrati	concentratio	concentrati	file name	date time	Initial wt/ Analyst
ident	tion F-	n CL-	on NO2	on BR-	on NO3	n HPO4	on SO4			Final
STD1	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000 IC1-080625	8/6/2025 10:18	10 RM/IZ
STD2	0.4130	0.6200	0.6230	2.0520	0.5150	1.0330	3.1850	IC1-080625	8/6/2025 10:40	10 RM/IZ
STD3	0.7940	1.1840	1.1850	3.9530	0.9900	2.0670	5.9310	IC1-080625	8/6/2025 11:01	10 RM/IZ
STD4	1.0230	1.5240	1.5190	5.0700	1.2700	2.6330	7.5970	IC1-080625	8/6/2025 11:23	10 RM/IZ
STD5	1.9720	2.9810	2.9820	9.9600	2.4830	4.6950	14.8380	IC1-080625	8/6/2025 11:44	10 RM/IZ
STD6	3.9560	5.9380	5.9340	19.8010	4.9450	9.9530	29.5050	IC1-080625	8/6/2025 12:06	10 RM/IZ
STD7	5.0410	7.5530	7.5560	25.1650	6.2980	12.6200	37.4430	IC1-080625	8/6/2025 12:27	10 RM/IZ

True Value		True Value	True Value	True Value	True Value	True Value	True Value
ident	Value F-	CL-	NO2	BR-	NO3	HPO4	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

Relative Error F-		Relative Error CL-	Relative Error NO2	Relative Error BR-	Relative Error NO3	Relative Error HPO4	Relative Error SO4
ident							
STD1	3.2500	3.3333	3.8333	2.6000	3.0000	3.3000	6.1667
STD2	-0.7500	-1.3333	-1.2500	-1.1750	-1.0000	3.3500	-1.1500
STD3	2.3000	1.6000	1.2667	1.4000	1.6000	5.3200	1.2933
STD4	-1.4000	-0.6333	-0.6000	-0.4000	-0.6800	-6.1000	-1.0800
STD5	-1.1000	-1.0333	-1.1000	-0.9950	-1.1000	-0.4700	-1.6500
STD6	0.8200	0.7067	0.7467	0.6600	0.7680	0.9600	1.1973
STD7							

Fluoride (Anions)

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



Function: $A = -5.18233\text{E-}3 + 0.0144368 \times Q$

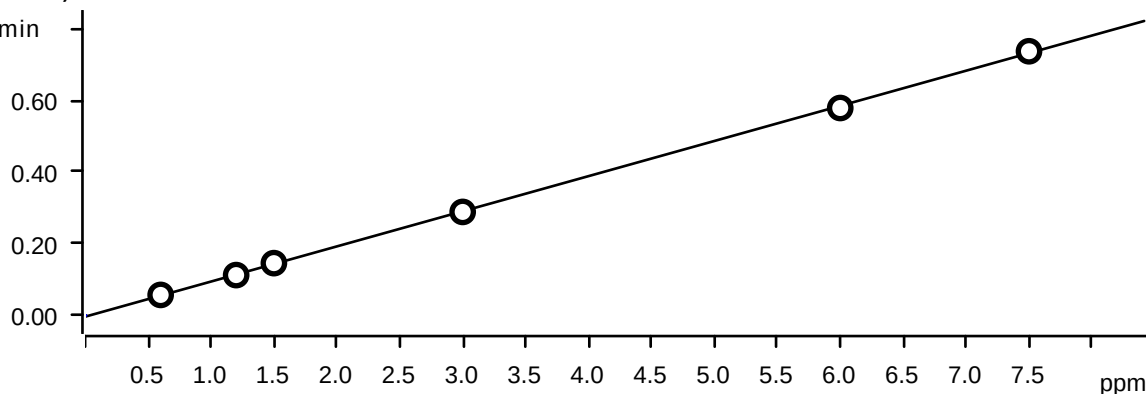
Relative standard deviation 1.650446 %

Correlation coefficient 0.999856

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	2025-08-06 10:18:54 UTC-4	used
Standard 2	1	0.400	10.0	1.0	1.0	0.054	STD2	2025-08-06 10:40:18 UTC-4	used
Standard 3	1	0.800	10.0	1.0	1.0	0.110	STD3	2025-08-06 11:01:42 UTC-4	used
Standard 4	1	1.000	10.0	1.0	1.0	0.143	STD4	2025-08-06 11:23:08 UTC-4	used
Standard 5	1	2.000	10.0	1.0	1.0	0.280	STD5	2025-08-06 11:44:33 UTC-4	used
Standard 6	1	4.000	10.0	1.0	1.0	0.566	STD6	2025-08-06 12:06:00 UTC-4	used
Standard 7	1	5.000	10.0	1.0	1.0	0.723	STD7	2025-08-06 12:27:27 UTC-4	used

Chloride (Anions)

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



Function: $A = -3.45407\text{E-}3 + 9.79772\text{E-}3 \times Q$

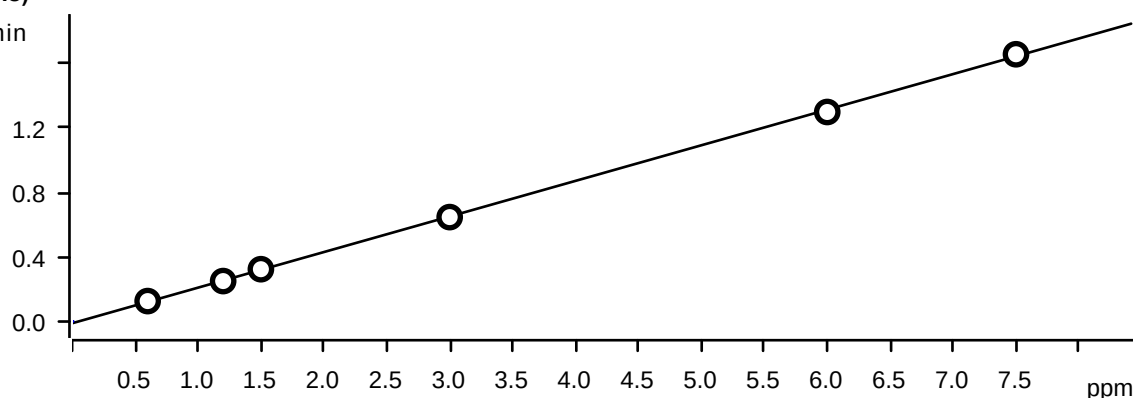
Relative standard deviation 1.384132 %

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	2025-08-06 10:18:54 UTC-4	used
Standard 2	1	0.600	10.0	1.0	1.0	0.057	STD2	2025-08-06 10:40:18 UTC-4	used
Standard 3	1	1.200	10.0	1.0	1.0	0.113	STD3	2025-08-06 11:01:42 UTC-4	used
Standard 4	1	1.500	10.0	1.0	1.0	0.146	STD4	2025-08-06 11:23:08 UTC-4	used
Standard 5	1	3.000	10.0	1.0	1.0	0.289	STD5	2025-08-06 11:44:33 UTC-4	used
Standard 6	1	6.000	10.0	1.0	1.0	0.578	STD6	2025-08-06 12:06:00 UTC-4	used
Standard 7	1	7.500	10.0	1.0	1.0	0.737	STD7	2025-08-06 12:27:27 UTC-4	used

Nitrite (Anions)

(μS/cm) x min

Function: $A = -0.0116303 + 0.0220561 \times Q$

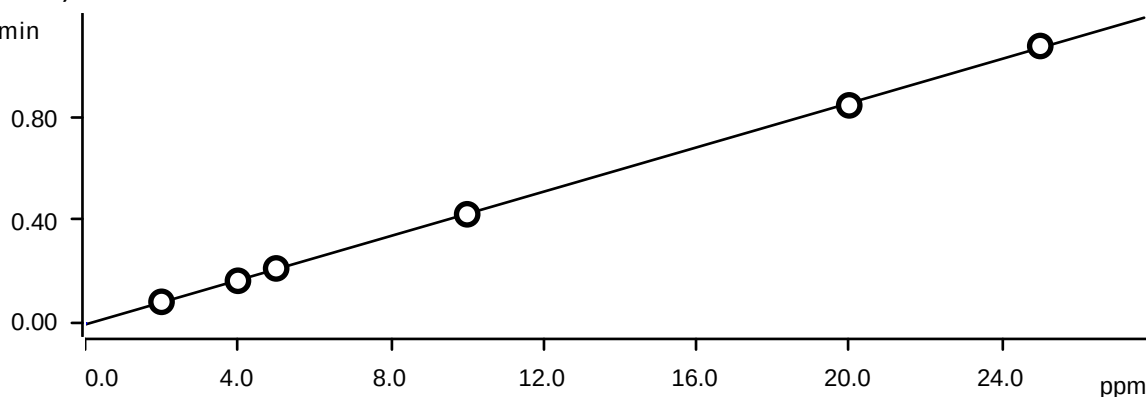
Relative standard deviation 1.449488 %

Correlation coefficient 0.999889

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	2025-08-06 10:18:54 UTC-4	used
Standard 2	1	0.600	10.0	1.0	1.0	0.126	STD2	2025-08-06 10:40:18 UTC-4	used
Standard 3	1	1.200	10.0	1.0	1.0	0.250	STD3	2025-08-06 11:01:42 UTC-4	used
Standard 4	1	1.500	10.0	1.0	1.0	0.323	STD4	2025-08-06 11:23:08 UTC-4	used
Standard 5	1	3.000	10.0	1.0	1.0	0.646	STD5	2025-08-06 11:44:33 UTC-4	used
Standard 6	1	6.000	10.0	1.0	1.0	1.297	STD6	2025-08-06 12:06:00 UTC-4	used
Standard 7	1	7.500	10.0	1.0	1.0	1.655	STD7	2025-08-06 12:27:27 UTC-4	used

Bromide (Anions)

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



Function: $A = -4.59233\text{E-}3 + 4.28617\text{E-}3 \times Q$

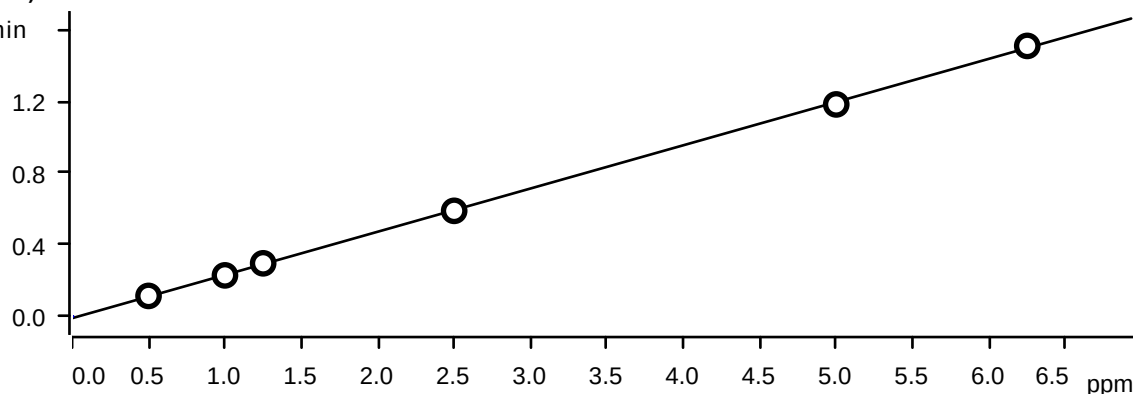
Relative standard deviation 1.283698 %

Correlation coefficient 0.999912

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	2025-08-06 10:18:54 UTC-4	used
Standard 2	1	2.000	10.0	1.0	1.0	0.083	STD2	2025-08-06 10:40:18 UTC-4	used
Standard 3	1	4.000	10.0	1.0	1.0	0.165	STD3	2025-08-06 11:01:42 UTC-4	used
Standard 4	1	5.000	10.0	1.0	1.0	0.213	STD4	2025-08-06 11:23:08 UTC-4	used
Standard 5	1	10.000	10.0	1.0	1.0	0.422	STD5	2025-08-06 11:44:33 UTC-4	used
Standard 6	1	20.000	10.0	1.0	1.0	0.844	STD6	2025-08-06 12:06:00 UTC-4	used
Standard 7	1	25.000	10.0	1.0	1.0	1.074	STD7	2025-08-06 12:27:27 UTC-4	used

Nitrate (Anions)

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



Function: $A = -9.68516\text{E-}3 + 0.0241085 \times Q$

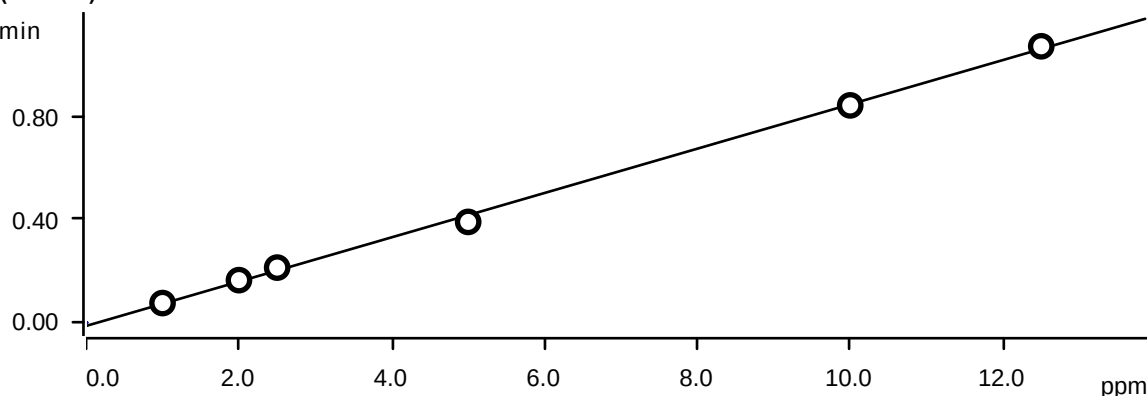
Relative standard deviation 1.469135 %

Correlation coefficient 0.999886

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	2025-08-06 10:18:54 UTC-4	used
Standard 2	1	0.500	10.0	1.0	1.0	0.115	STD2	2025-08-06 10:40:18 UTC-4	used
Standard 3	1	1.000	10.0	1.0	1.0	0.229	STD3	2025-08-06 11:01:42 UTC-4	used
Standard 4	1	1.250	10.0	1.0	1.0	0.296	STD4	2025-08-06 11:23:08 UTC-4	used
Standard 5	1	2.500	10.0	1.0	1.0	0.589	STD5	2025-08-06 11:44:33 UTC-4	used
Standard 6	1	5.000	10.0	1.0	1.0	1.182	STD6	2025-08-06 12:06:00 UTC-4	used
Standard 7	1	6.250	10.0	1.0	1.0	1.509	STD7	2025-08-06 12:27:27 UTC-4	used

Phosphate (Anions)

(μS/cm) x min

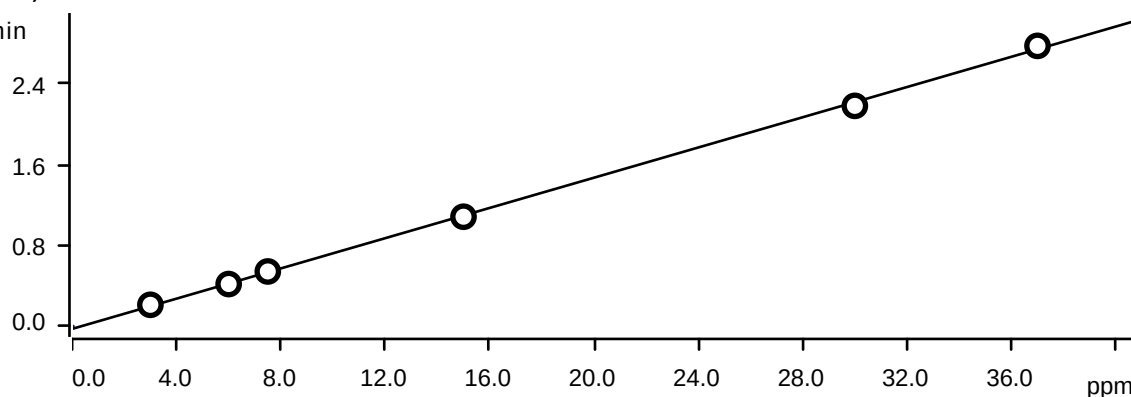
Function: $A = -0.0128563 + 8.58091E-3 \times Q$

Relative standard deviation 3.406332 %

Correlation coefficient 0.999402

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	2025-08-06 10:18:54 UTC-4	used
Standard 2	1	1.000	10.0	1.0	1.0	0.076	STD2	2025-08-06 10:40:18 UTC-4	used
Standard 3	1	2.000	10.0	1.0	1.0	0.164	STD3	2025-08-06 11:01:42 UTC-4	used
Standard 4	1	2.500	10.0	1.0	1.0	0.213	STD4	2025-08-06 11:23:08 UTC-4	used
Standard 5	1	5.000	10.0	1.0	1.0	0.390	STD5	2025-08-06 11:44:33 UTC-4	used
Standard 6	1	10.000	10.0	1.0	1.0	0.841	STD6	2025-08-06 12:06:00 UTC-4	used
Standard 7	1	12.500	10.0	1.0	1.0	1.070	STD7	2025-08-06 12:27:27 UTC-4	used

Sulfate (Anions)

 $(\mu\text{S}/\text{cm}) \times \text{min}$ Function: $A = -0.0267558 + 7.49232E-3 \times Q$

Relative standard deviation 2.236460 %

Correlation coefficient 0.999736

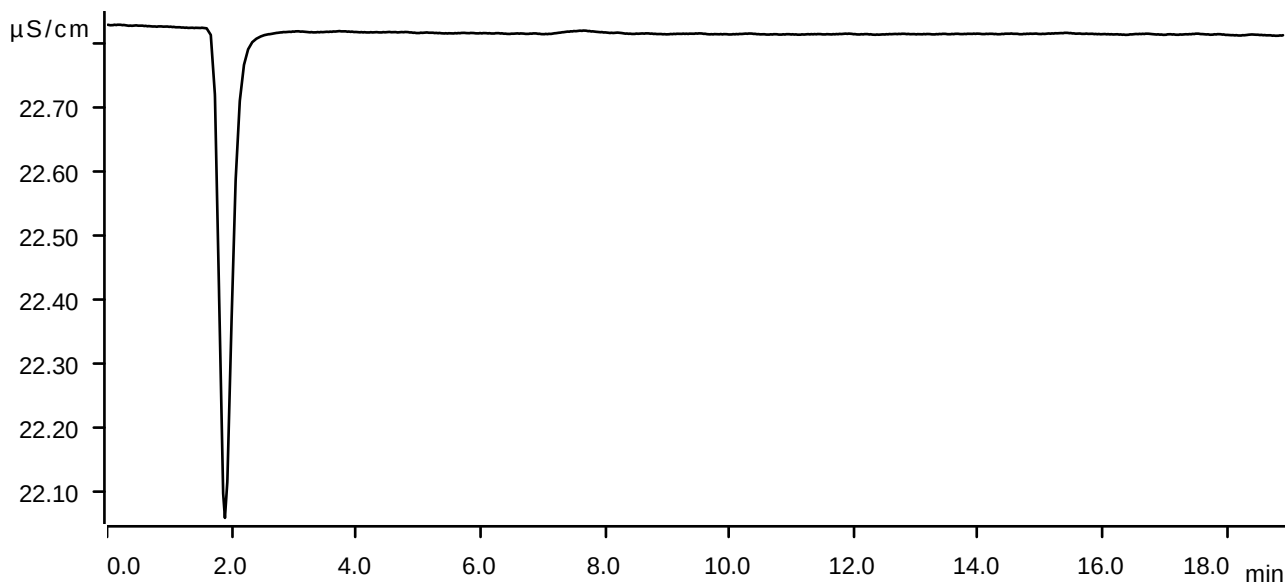
Sample type	Index	Conc.	Volume	Dilution	Sample amount	Area	Ident	Date	Used
Standard 1	1	0.000	10.0	1.0	1.0	n. d.	STD1	2025-08-06 10:18:54 UTC-4	used
Standard 2	1	3.000	10.0	1.0	1.0	0.212	STD2	2025-08-06 10:40:18 UTC-4	used
Standard 3	1	6.000	10.0	1.0	1.0	0.418	STD3	2025-08-06 11:01:42 UTC-4	used
Standard 4	1	7.500	10.0	1.0	1.0	0.542	STD4	2025-08-06 11:23:08 UTC-4	used
Standard 5	1	15.000	10.0	1.0	1.0	1.085	STD5	2025-08-06 11:44:33 UTC-4	used
Standard 6	1	30.000	10.0	1.0	1.0	2.184	STD6	2025-08-06 12:06:00 UTC-4	used
Standard 7	1	37.000	10.0	1.0	1.0	2.779	STD7	2025-08-06 12:27:27 UTC-4	used

Sample data

Ident STD1
Sample type Standard 1
Determination start 2025-08-06 10:18:54 UTC-4
Method IC1-080625
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

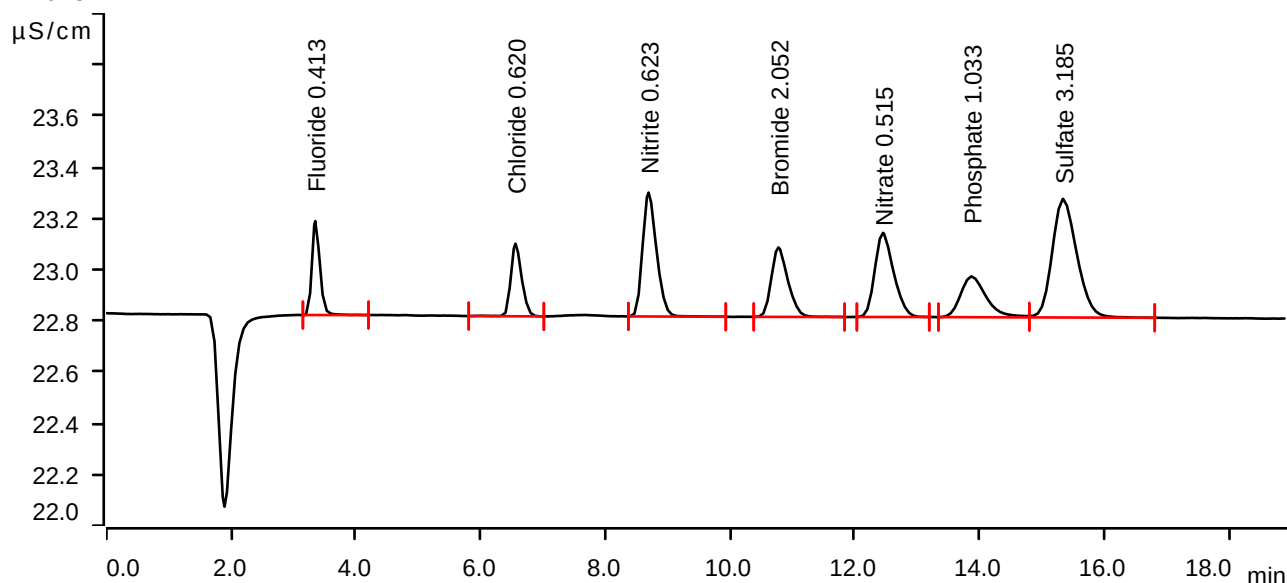
Sample data

Ident STD2
Sample type Standard 2
Determination start 2025-08-06 10:40:18 UTC-4
Method IC1-080625
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	3.350	0.0544	0.367	0.413	Fluoride
2	6.560	0.0573	0.284	0.620	Chloride
3	8.693	0.1258	0.484	0.623	Nitrite
4	10.775	0.0833	0.271	2.052	Bromide
5	12.452	0.1145	0.328	0.515	Nitrate
6	13.870	0.0758	0.159	1.033	Phosphate
7	15.340	0.2119	0.463	3.185	Sulfate

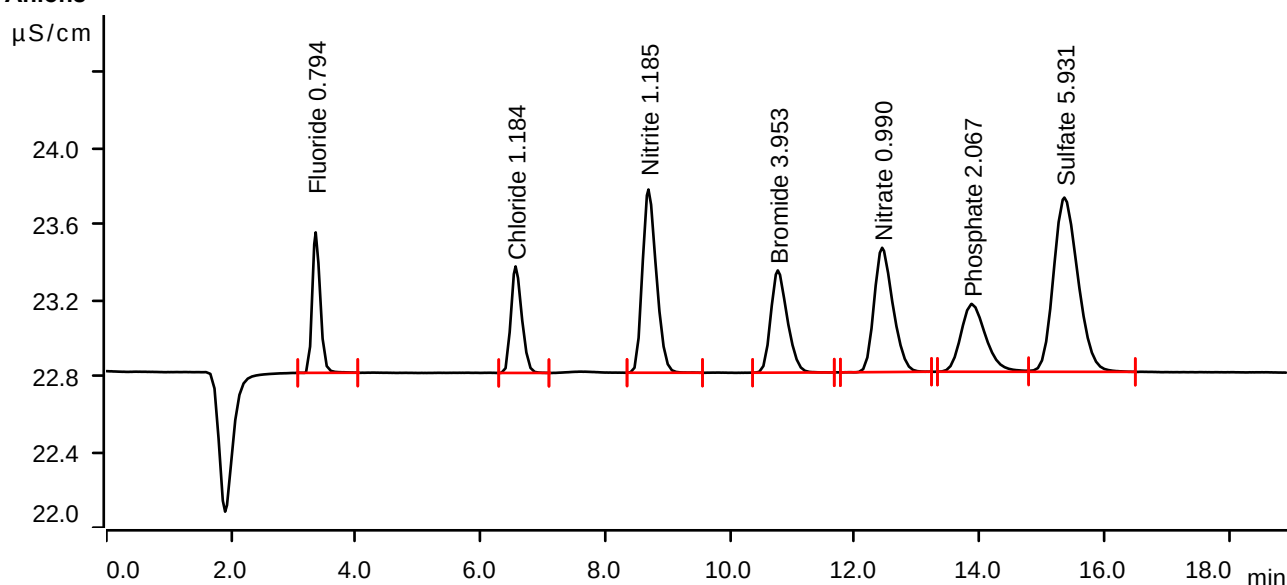
Sample data

Ident STD3
Sample type Standard 3
Determination start 2025-08-06 11:01:42 UTC-4
Method IC1-080625
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	3.357	0.1095	0.740	0.794	Fluoride
2	6.562	0.1125	0.561	1.184	Chloride
3	8.692	0.2498	0.966	1.185	Nitrite
4	10.765	0.1649	0.539	3.953	Bromide
5	12.438	0.2291	0.655	0.990	Nitrate
6	13.875	0.1645	0.358	2.067	Phosphate
7	15.360	0.4176	0.918	5.931	Sulfate

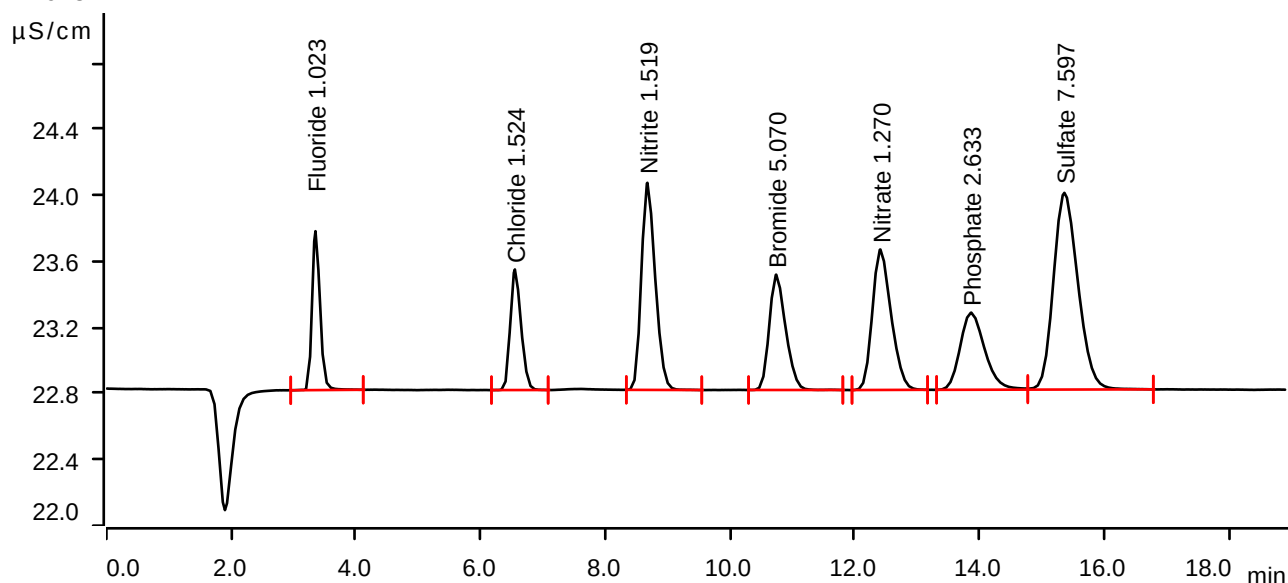
Sample data

Ident STD4
Sample type Standard 4
Determination start 2025-08-06 11:23:08 UTC-4
Method IC1-080625
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	3.353	0.1425	0.962	1.023	Fluoride
2	6.552	0.1459	0.730	1.524	Chloride
3	8.675	0.3233	1.254	1.519	Nitrite
4	10.740	0.2127	0.698	5.070	Bromide
5	12.410	0.2964	0.850	1.270	Nitrate
6	13.862	0.2131	0.467	2.633	Phosphate
7	15.360	0.5424	1.191	7.597	Sulfate

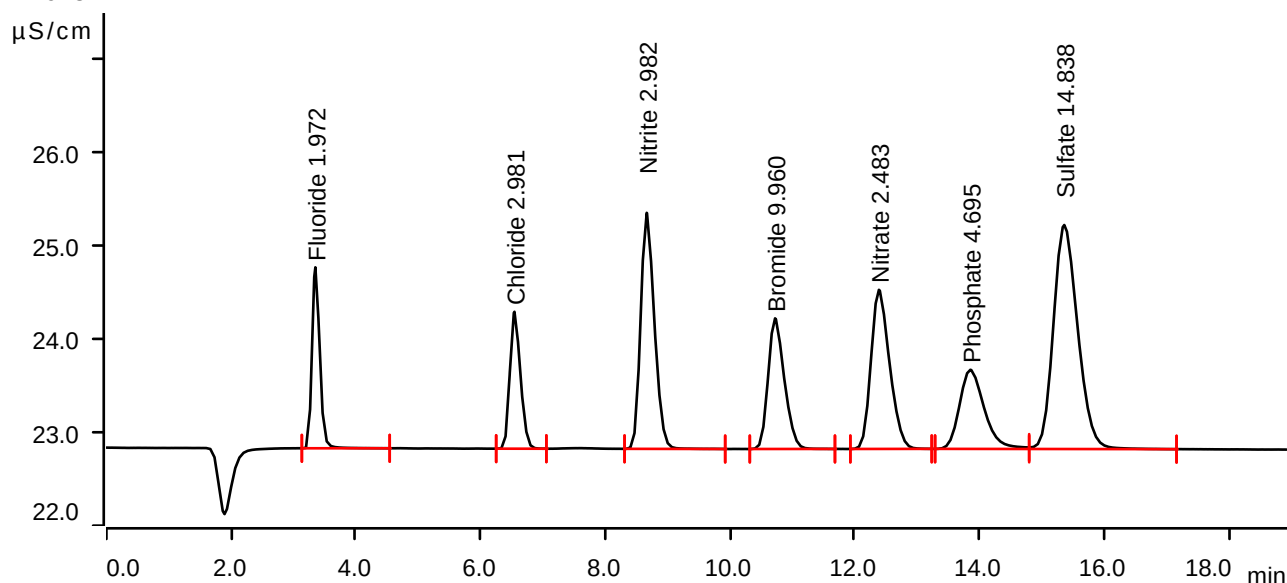
Sample data

Ident STD5
Sample type Standard 5
Determination start 2025-08-06 11:44:33 UTC-4
Method IC1-080625
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	3.352	0.2796	1.943	1.972	Fluoride
2	6.543	0.2887	1.470	2.981	Chloride
3	8.663	0.6461	2.534	2.982	Nitrite
4	10.722	0.4223	1.403	9.960	Bromide
5	12.387	0.5889	1.709	2.483	Nitrate
6	13.853	0.3900	0.850	4.695	Phosphate
7	15.358	1.0850	2.405	14.838	Sulfate

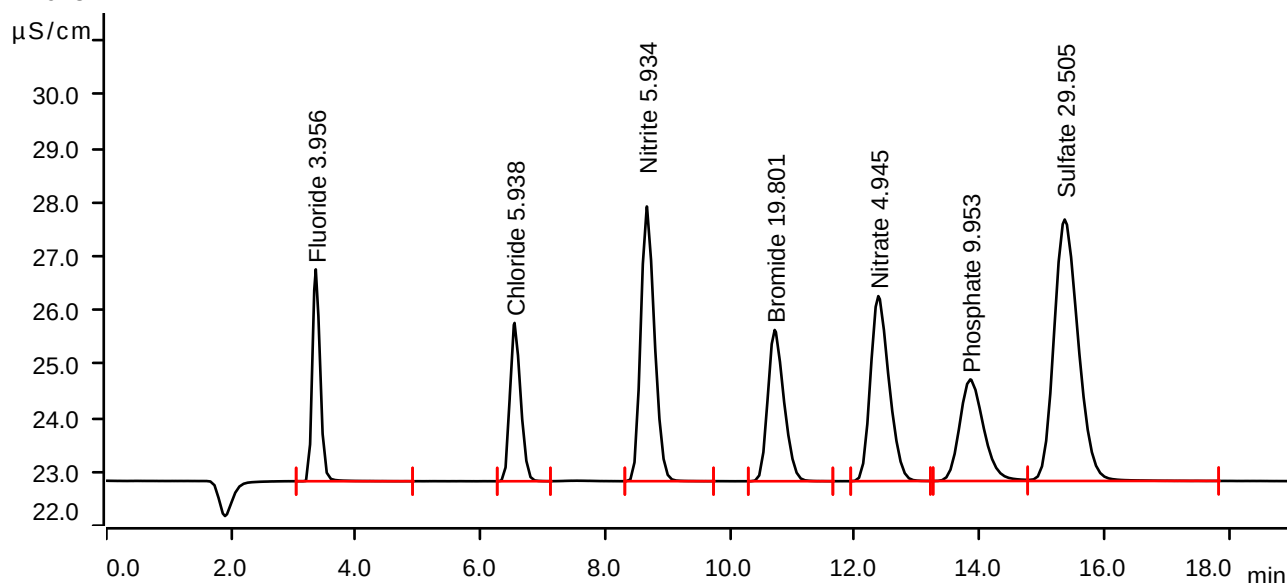
Sample data

Ident STD6
Sample type Standard 6
Determination start 2025-08-06 12:06:00 UTC-4
Method IC1-080625
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	3.358	0.5660	3.928	3.956	Fluoride
2	6.545	0.5784	2.936	5.938	Chloride
3	8.665	1.2973	5.095	5.934	Nitrite
4	10.715	0.8441	2.805	19.801	Bromide
5	12.377	1.1824	3.431	4.945	Nitrate
6	13.852	0.8412	1.884	9.953	Phosphate
7	15.365	2.1839	4.849	29.505	Sulfate

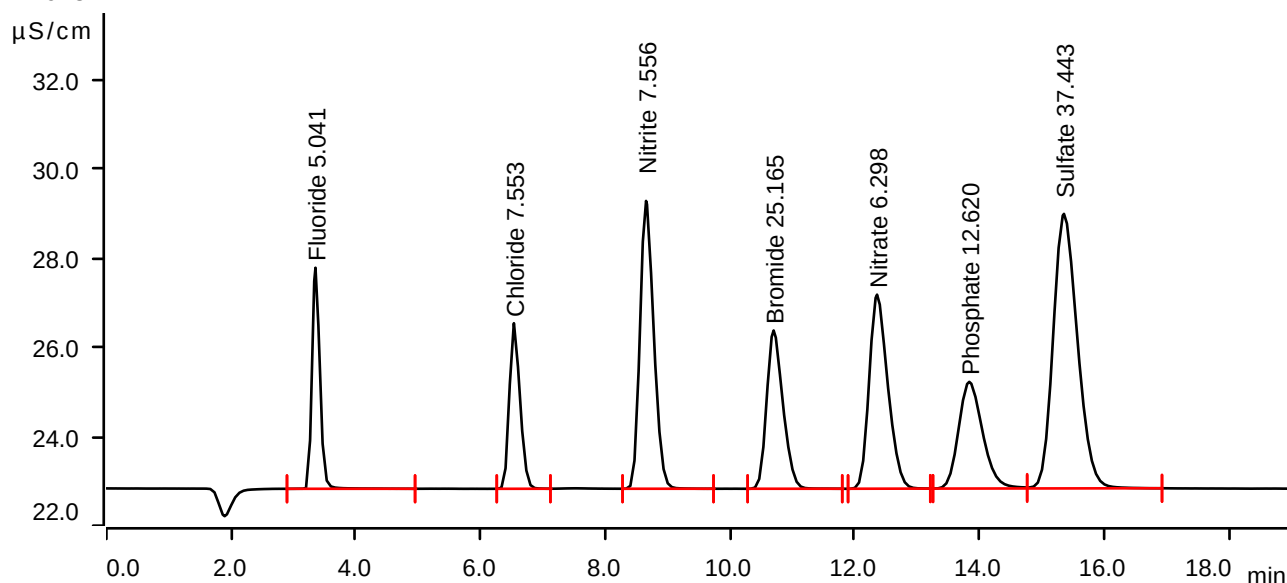
Sample data

Ident STD7
Sample type Standard 7
Determination start 2025-08-06 12:27:27 UTC-4
Method IC1-080625
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	3.353	0.7226	4.963	5.041	Fluoride
2	6.535	0.7366	3.716	7.553	Chloride
3	8.653	1.6550	6.462	7.556	Nitrite
4	10.698	1.0740	3.554	25.165	Bromide
5	12.357	1.5086	4.357	6.298	Nitrate
6	13.835	1.0700	2.396	12.620	Phosphate
7	15.353	2.7786	6.163	37.443	Sulfate

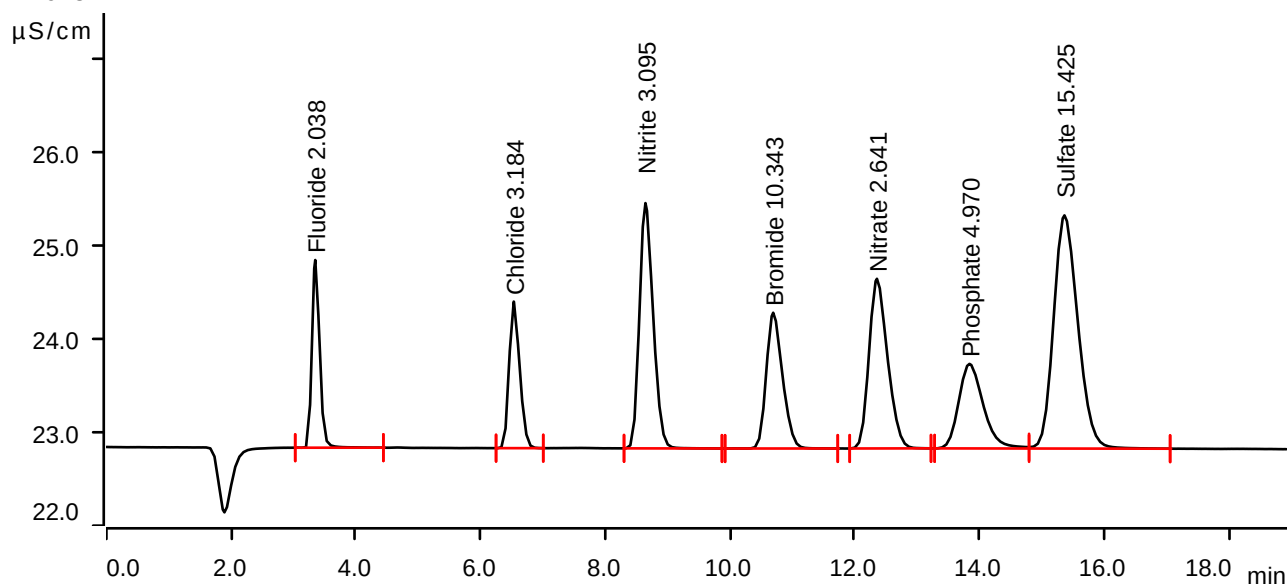
Sample data

Ident ICV
Sample type Check standard 1
Determination start 2025-08-06 12:48:56 UTC-4
Method IC1-080625
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



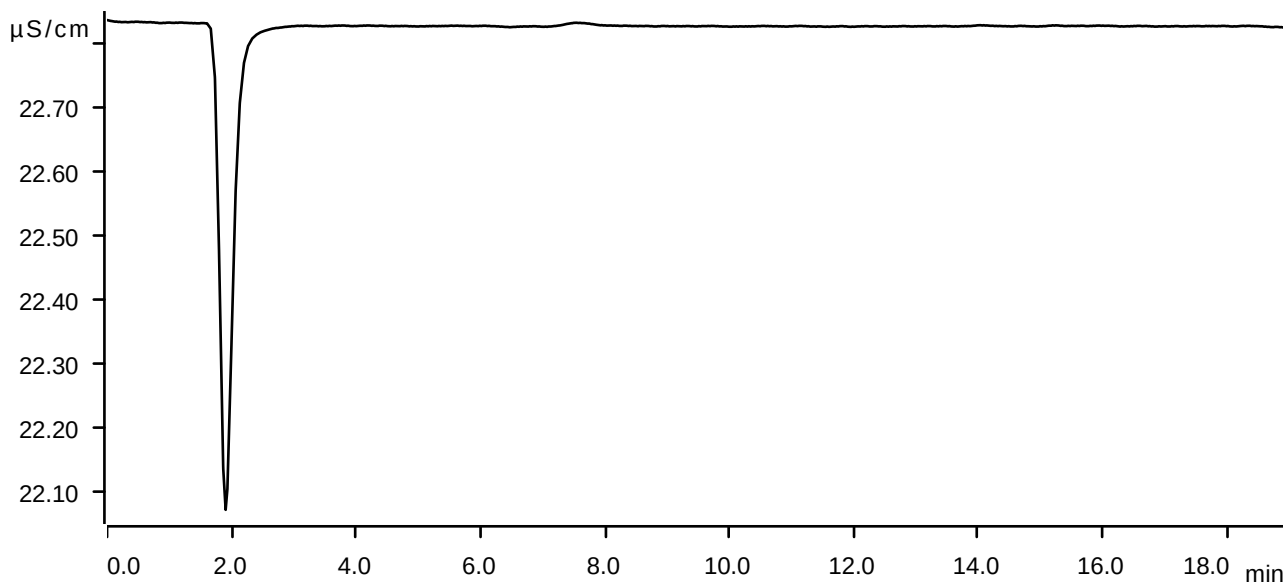
Peak number	Retention time min	Area (µS/cm) x min	Height µS/cm	Concentration ppm	Component name
1	3.350	0.2890	2.015	2.038	Fluoride
2	6.532	0.3085	1.574	3.184	Chloride
3	8.643	0.6711	2.634	3.095	Nitrite
4	10.692	0.4387	1.458	10.343	Bromide
5	12.355	0.6270	1.822	2.641	Nitrate
6	13.838	0.4136	0.908	4.970	Phosphate
7	15.362	1.1289	2.504	15.425	Sulfate

Sample data

Ident ICB
Sample type Sample
Determination start 2025-08-06 13:10:25 UTC-4
Method IC1-080625
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 12.33 MPa
Maximum pressure monitored yes
Temperature ---- °C

Anions

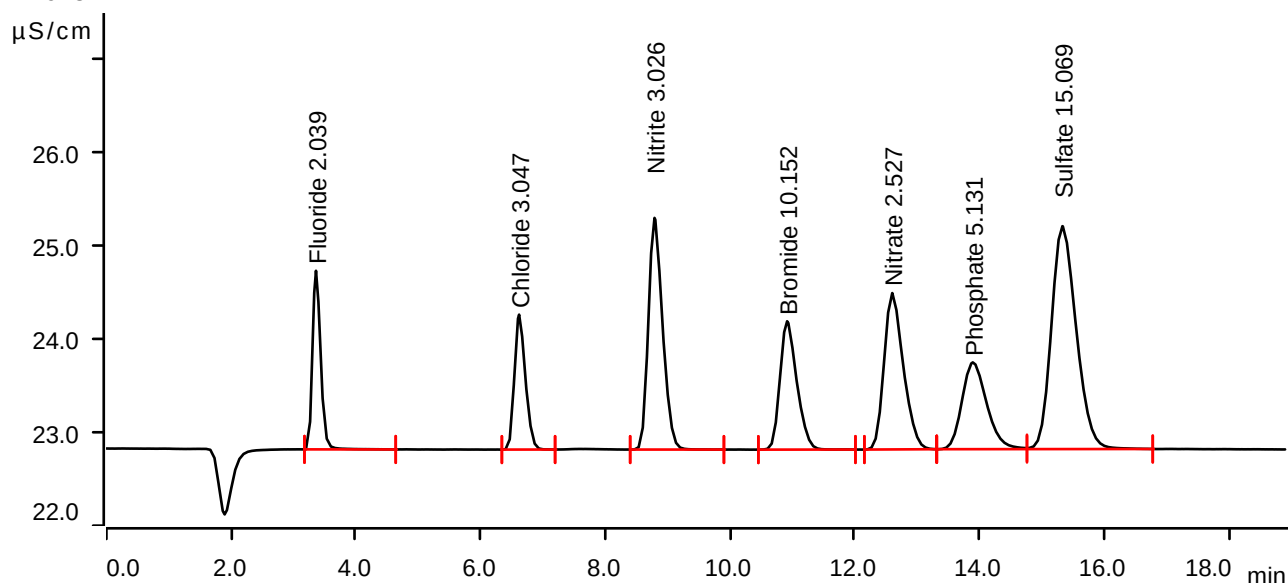
Sample data

Ident CCV
Sample type Check standard 1
Determination start 2025-08-07 09:06:49 UTC-4
Method IC1-080625
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



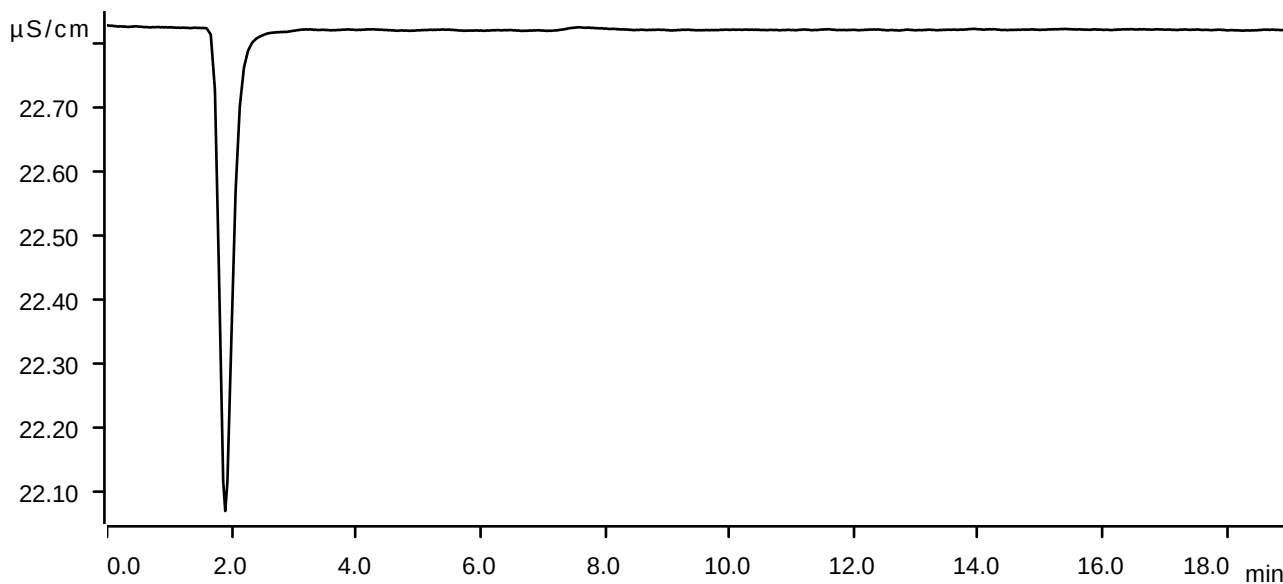
Peak number	Retention time min	Area (µS/cm) x min	Height µS/cm	Concentration ppm	Component name
1	3.362	0.2891	1.918	2.039	Fluoride
2	6.618	0.2951	1.449	3.047	Chloride
3	8.788	0.6559	2.488	3.026	Nitrite
4	10.915	0.4306	1.378	10.152	Bromide
5	12.600	0.5994	1.678	2.527	Nitrate
6	13.893	0.4274	0.932	5.131	Phosphate
7	15.328	1.1023	2.394	15.069	Sulfate

Sample data

Ident CCB
Sample type Sample
Determination start 2025-08-07 09:28:20 UTC-4
Method IC1-080625
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

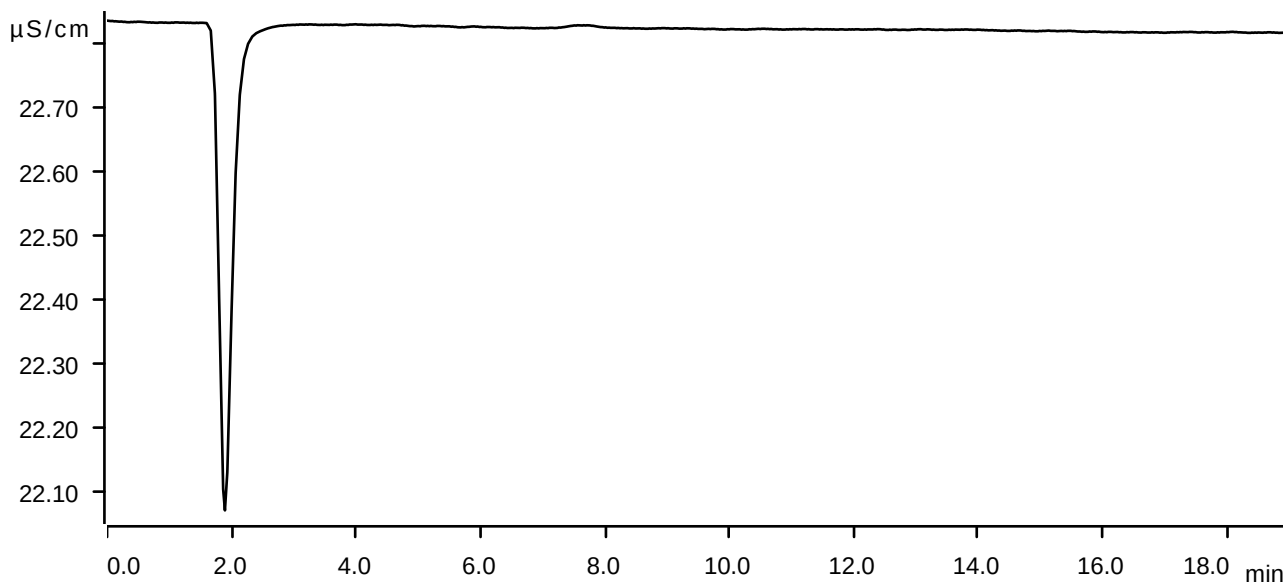
Anions

Sample data

Ident LB136743BLS
Sample type Sample
Determination start 2025-08-07 09:49:51 UTC-4
Method IC1-080625
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

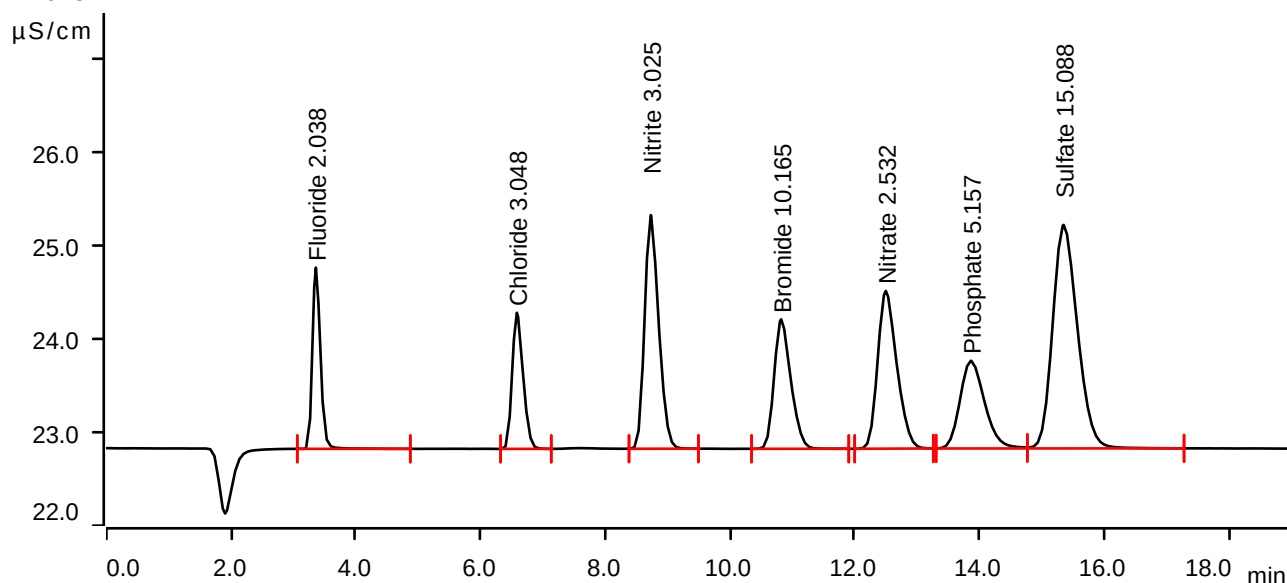
Sample data

Ident LB136743BSS
Sample type Check standard 1
Determination start 2025-08-07 10:11:22 UTC-4
Method IC1-080625
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	3.360	0.2890	1.945	2.038	Fluoride
2	6.582	0.2952	1.462	3.048	Chloride
3	8.728	0.6556	2.509	3.025	Nitrite
4	10.820	0.4311	1.391	10.165	Bromide
5	12.497	0.6007	1.694	2.532	Nitrate
6	13.860	0.4296	0.942	5.157	Phosphate
7	15.348	1.1037	2.400	15.088	Sulfate

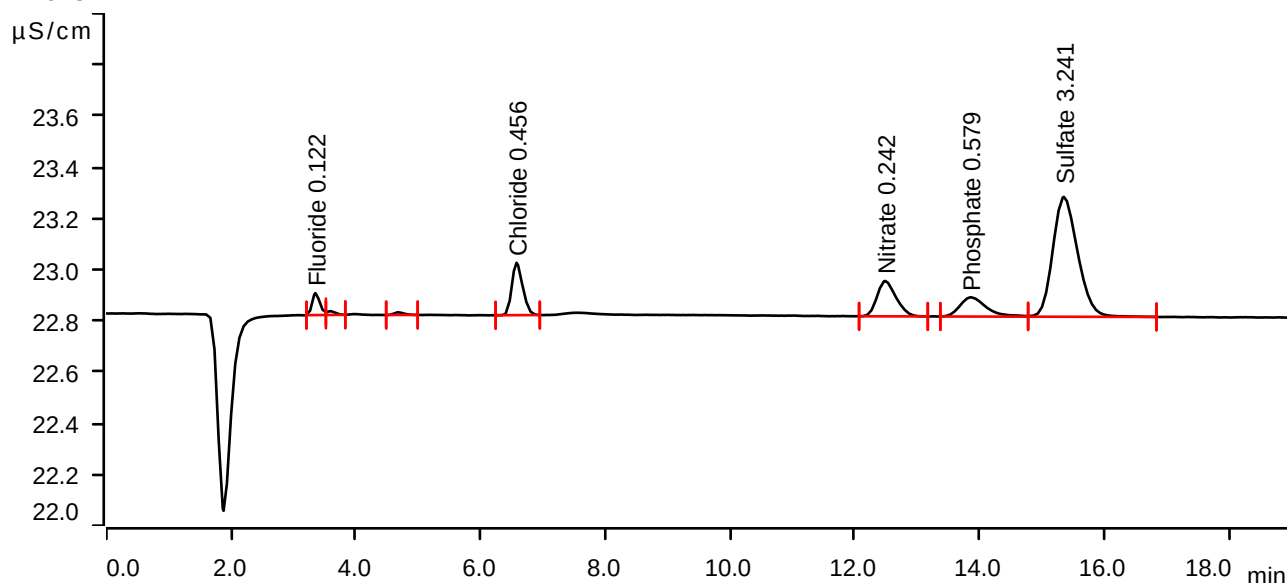
Sample data

Ident Q2795-01
Sample type Sample
Determination start 2025-08-07 13:56:55 UTC-4
Method IC1-080625
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	3.353	0.0124	0.086	0.122	Fluoride
2	3.593	0.0024	0.015	invalid	
3	4.678	0.0019	0.010	invalid	
4	6.577	0.0412	0.205	0.456	Chloride
5	12.488	0.0487	0.138	0.242	Nitrate
6	13.850	0.0368	0.075	0.579	Phosphate
7	15.352	0.2160	0.468	3.241	Sulfate

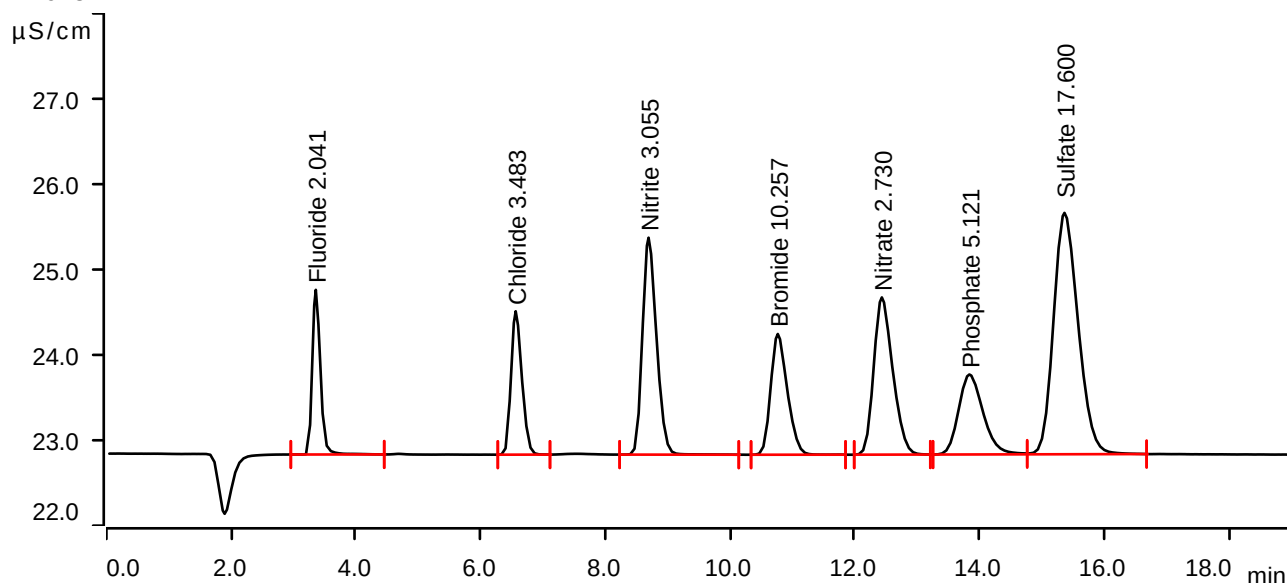
Sample data

Ident Q2795-01MS
Sample type Sample
Determination start 2025-08-07 14:18:33 UTC-4
Method IC1-080625
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	3.358	0.2894	1.928	2.041	Fluoride
2	6.563	0.3378	1.680	3.483	Chloride
3	8.693	0.6622	2.541	3.055	Nitrite
4	10.765	0.4350	1.414	10.257	Bromide
5	12.433	0.6484	1.842	2.730	Nitrate
6	13.838	0.4266	0.937	5.121	Phosphate
7	15.362	1.2919	2.828	17.600	Sulfate

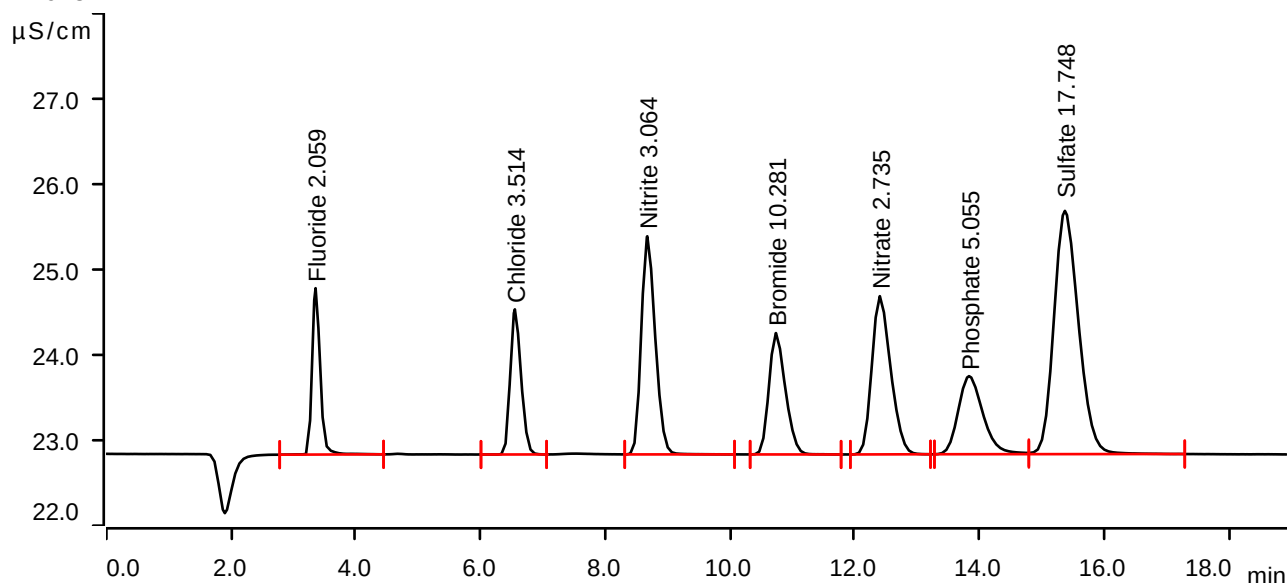
Sample data

Ident Q2795-01MSD
Sample type Sample
Determination start 2025-08-07 14:40:07 UTC-4
Method IC1-080625
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 12.56 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	3.355	0.2921	1.948	2.059	Fluoride
2	6.550	0.3408	1.700	3.514	Chloride
3	8.673	0.6641	2.555	3.064	Nitrite
4	10.737	0.4360	1.421	10.281	Bromide
5	12.402	0.6498	1.853	2.735	Nitrate
6	13.832	0.4209	0.915	5.055	Phosphate
7	15.368	1.3030	2.849	17.748	Sulfate

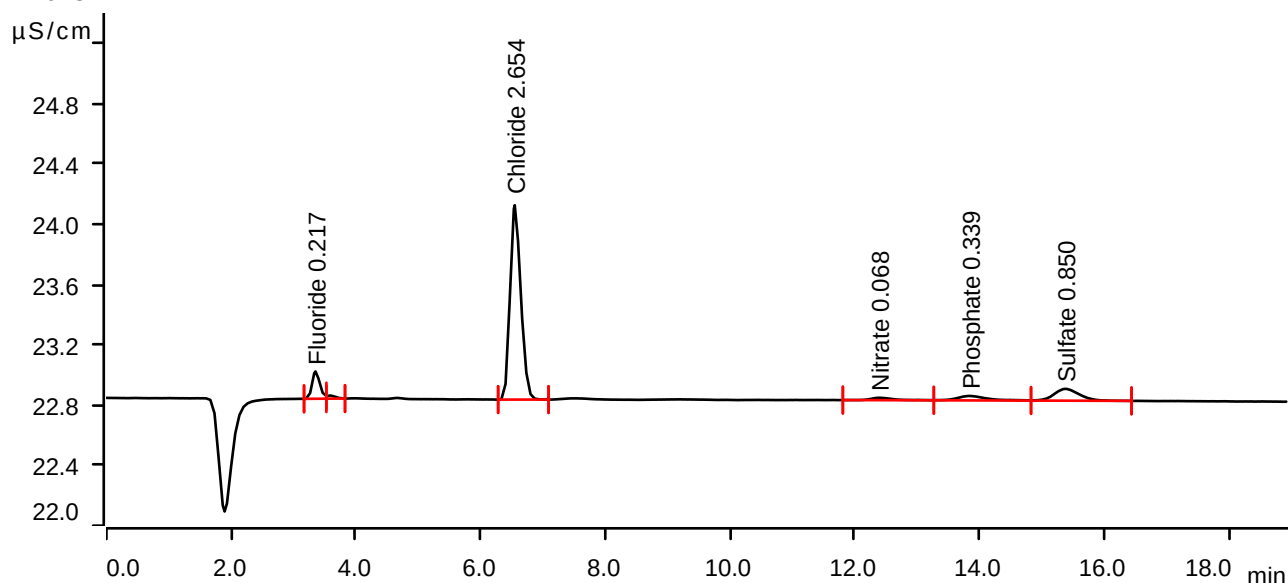
Sample data

Ident Q2795-02
Sample type Sample
Determination start 2025-08-07 15:01:43 UTC-4
Method IC1-080625
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	3.353	0.0261	0.181	0.217	Fluoride
2	3.593	0.0032	0.021	invalid	
3	6.548	0.2566	1.290	2.654	Chloride
4	12.385	0.0068	0.016	0.068	Nitrate
5	13.842	0.0162	0.030	0.339	Phosphate
6	15.370	0.0369	0.078	0.850	Sulfate

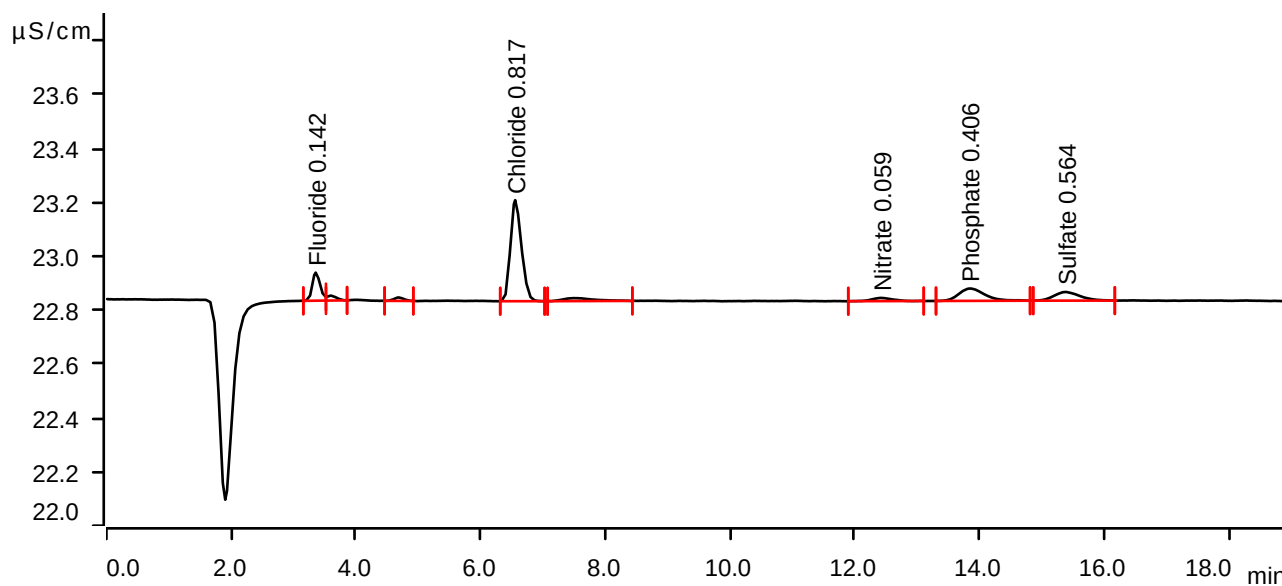
Sample data

Ident Q2795-03
Sample type Sample
Determination start 2025-08-07 15:23:21 UTC-4
Method IC1-080625
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 ($\mu\text{S/cm}$) x min	Height $\mu\text{S/cm}$	Concentration ppm	Component name
1	3.357	0.0154	0.104	0.142	Fluoride
2	3.598	0.0032	0.018	invalid	
3	4.687	0.0023	0.013	invalid	
4	6.555	0.0765	0.375	0.817	Chloride
5	7.500	0.0062	0.011	invalid	
6	12.423	0.0046	0.012	0.059	Nitrate
7	13.833	0.0220	0.046	0.406	Phosphate
8	15.387	0.0155	0.032	0.564	Sulfate

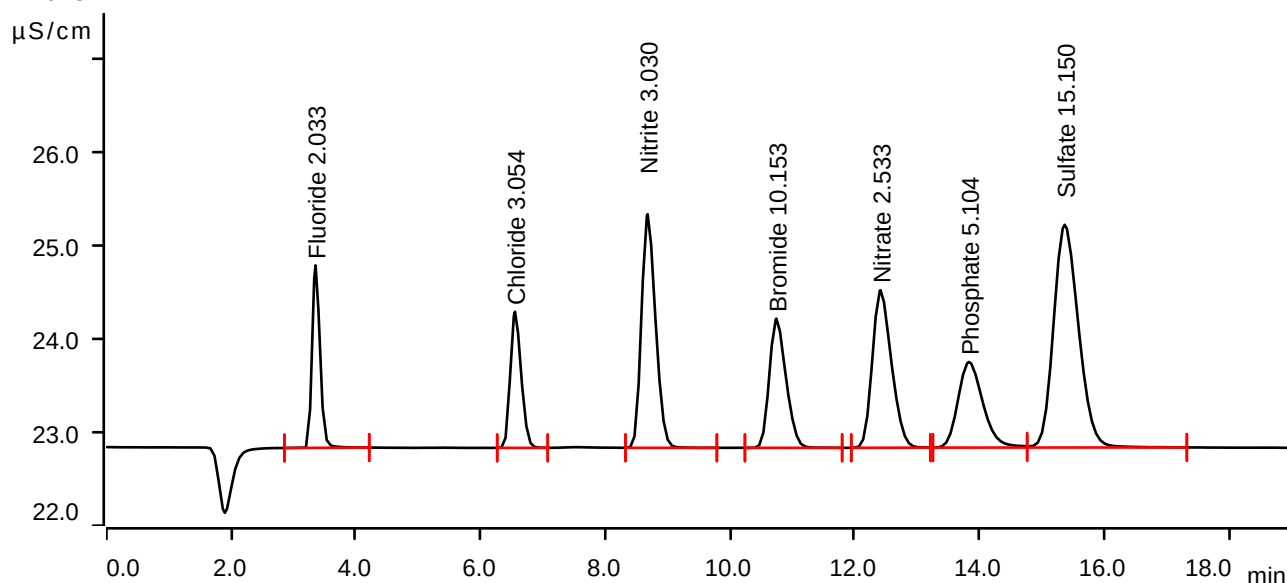
Sample data

Ident CCV
Sample type Check standard 1
Determination start 2025-08-07 15:44:56 UTC-4
Method IC1-080625
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



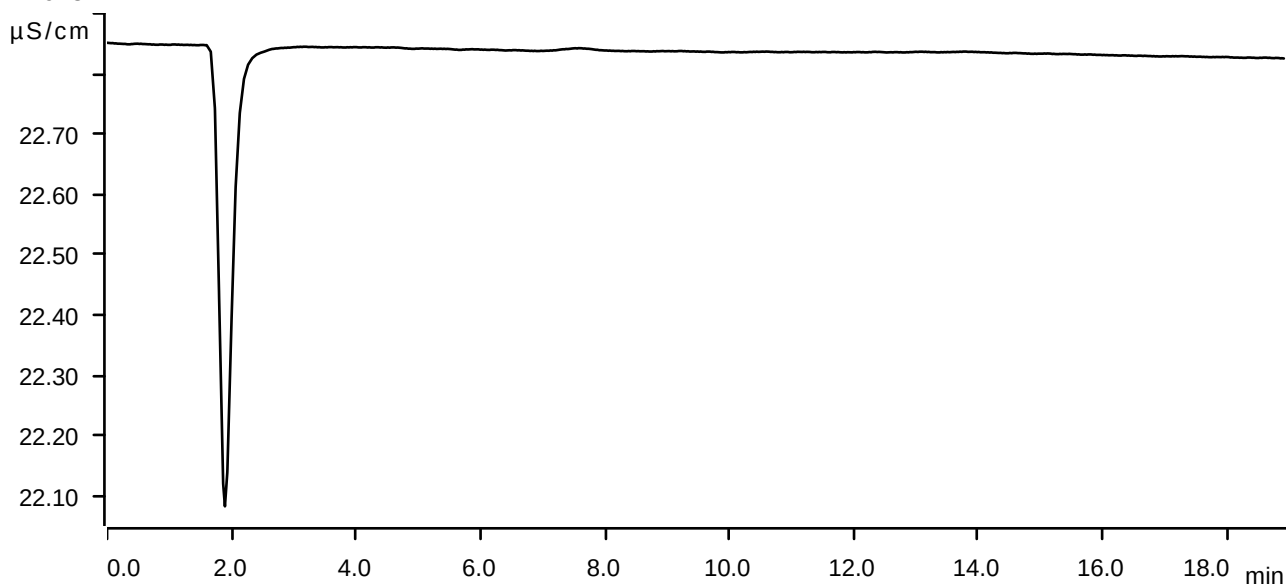
Peak number	Retention time min	Area (µS/cm) x min	Height µS/cm	Concentration ppm	Component name
1	3.355	0.2883	1.959	2.033	Fluoride
2	6.552	0.2957	1.462	3.054	Chloride
3	8.678	0.6568	2.508	3.030	Nitrite
4	10.743	0.4306	1.387	10.153	Bromide
5	12.412	0.6010	1.692	2.533	Nitrate
6	13.830	0.4251	0.920	5.104	Phosphate
7	15.365	1.1083	2.392	15.150	Sulfate

Sample data

Ident CCB
Sample type Sample
Determination start 2025-08-07 16:06:26 UTC-4
Method IC1-080625
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

Analytical Summary Report

Analysis Method: 7196A

ANALYST: rubina

Parameter: ~~Hexavalent Chromium~~

SUPERVISOR REVIEW BY: jignesh

Run Number: LB136775

pH Meter ID: WC pH Meter-1

Reagent/Standard	Lot/Log #
hexavalent chromium color reagent	WP114259
5N sulfuric acid	WP112831
HNO3 Hex-Chrome, 5M	WP112830
Hexchrome Cleaning Solution	WP113087

Intercept: 0.0009

Slope: 0.763

Regression: 0.999989

Seq	Lab ID	True Value (mg/l)	DF	Initial Vol (ml)	Final Vol (ml)	pH HNO3	pH H2SO4	Absorb.at 540nm		Absorbance Difference	Result (mg/L)	%D	Anal Date	Anal Time
								Backgrnd	Color					
1	CAL1	0	1	100	100	7.29	1.94	0.000	0.000	0.000	-0.00		08/11/2025	13:40
2	CAL2	0.01	1	100	100	7.49	1.84	0.000	0.008	0.008	0.009	-10	08/11/2025	13:41
3	CAL3	0.025	1	100	100	7.52	1.89	0.000	0.021	0.021	0.026	4	08/11/2025	13:42
4	CAL4	0.05	1	100	100	7.45	1.92	0.000	0.040	0.040	0.051	2	08/11/2025	13:43
5	CAL5	0.1	1	100	100	7.34	1.88	0.000	0.078	0.078	0.101	1	08/11/2025	13:44
6	CAL6	0.5	1	100	100	7.50	1.88	0.000	0.380	0.380	0.496	-0.8	08/11/2025	13:45
7	CAL7	1	1	100	100	7.44	1.96	0.000	0.765	0.765	1.001	0.1	08/11/2025	13:46

Analysis Method: 7196A

ANALYST:rubina

Parameter: Hexavalent Chromium

SUPERVISOR REVIEW BY:jignesh

Run Number: LB136775

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	7.42	2.04	0.000	0.377	0.377	0.493	08/11/2025	13:47
2	ICB		1	100	100	7.36	1.99	0.000	0.001	0.001	0.000	08/11/2025	13:48
3	CCV1	0.5	1	100	100	7.39	1.90	0.000	0.381	0.381	0.498	08/11/2025	13:49
4	CCB1		1	100	100	7.54	1.84	0.000	0.001	0.001	0.000	08/11/2025	13:50
5	RL Check	0.01	1	100	100	7.40	1.97	0.000	0.009	0.009	0.011	08/11/2025	13:51
6	PB169184BL		1	2.50	100	7.19	1.70	0.000	0.000	0.000	-0.001	08/11/2025	13:52
7	PB169184BS	20	1	2.50	100	7.32	1.89	0.000	0.383	0.383	0.501	08/11/2025	13:53
8	Q2795-01		1	2.55	100	7.42	1.90	0.000	0.001	0.001	0.000	08/11/2025	13:54
9	Q2795-01DU		1	2.56	100	7.47	1.97	0.000	0.001	0.001	0.000	08/11/2025	13:55
10	Q2795-01MS	40	2	2.56	100	7.40	1.90	0.000	0.339	0.339	0.443	08/11/2025	13:56
11	Q2795-01MS	1284	40	2.55	100	7.40	2.00	0.000	0.612	0.612	0.801	08/11/2025	13:57
12	Q2795-01MS	40	2	2.54	100	7.52	2.06	0.000	0.371	0.371	0.485	08/11/2025	13:58
13	Q2795-02		1	2.52	100	7.60	2.19	0.001	0.002	0.001	0.000	08/11/2025	13:59
14	Q2795-03		1	2.55	100	7.40	1.92	0.000	0.001	0.001	0.000	08/11/2025	14:00
15	Q2798-01		1	2.53	100	7.36	2.02	0.001	0.001	0.000	-0.001	08/11/2025	14:01
16	CCV2	0.5	1	100	100	7.54	1.88	0.000	0.377	0.377	0.493	08/11/2025	14:02
17	CCB2		1	100	100	7.49	1.88	0.000	0.001	0.001	0.000	08/11/2025	14:03
18	Q2800-01		1	2.57	100	7.31	2.32	0.020	0.020	0.000	-0.001	08/11/2025	14:04
19	Q2807-01		1	2.56	100	7.69	2.20	0.003	0.004	0.001	0.000	08/11/2025	14:05
20	Q2807-02		1	2.51	100	7.52	2.27	0.004	0.005	0.001	0.000	08/11/2025	14:06
21	Q2807-03		1	2.57	100	7.59	2.10	0.003	0.004	0.001	0.000	08/11/2025	14:07
22	Q2808-01		1	2.54	100	7.45	1.88	0.035	0.035	0.000	-0.001	08/11/2025	14:08
23	CCV3	0.5	1	100	100	7.35	1.83	0.000	0.380	0.380	0.497	08/11/2025	14:09
24	CCB3		1	100	100	7.46	1.94	0.000	0.001	0.001	0.000	08/11/2025	14:10

Test results

Aquakem 7.2AQ1

Page:

Alliance Technical Group
284 Sheffield Street, Mountainside, NJ 07092

Reviewed by : RM

Instrument ID : Konelab

8/12/2025 10:58

Test: Ammonia-N

Sample Id	Result	Dil. 1 +	Response	Errors
ICV1	0.991	0.0	0.201	
ICB1	0.032	0.0	0.017	
CCV1	0.969	0.0	0.196	
CCB1	0.028	0.0	0.017	
RL CHECK	0.098	0.0	0.030	
PB169198BL	0.029	0.0	0.017	
PB169198BS	1.007	0.0	0.204	
Q2795-01	0.026	0.0	0.016	
Q2795-01DUP	0.023	0.0	0.016	
Q2795-01MS	0.950	0.0	0.193	
Q2795-01MSD	0.943	0.0	0.191	
Q2795-02	0.022	0.0	0.015	
Q2795-03	0.034	0.0	0.018	
Q2807-01	0.021	0.0	0.015	
CCV2	0.968	0.0	0.196	
CCB2	0.020	0.0	0.015	
Q2807-02	0.024	0.0	0.016	
Q2807-03	0.021	0.0	0.015	
PB169199BL	0.018	0.0	0.015	
PB169199BS	0.999	0.0	0.202	
Q2804-01	0.108	0.0	0.032	
Q2804-01DUP	0.111	0.0	0.032	
Q2804-01MS	1.024	0.0	0.207	
Q2804-01MSD	1.010	0.0	0.204	
Q2813-01	15.270	0.0	2.930	Init abs., Test limit hig
Q2813-05	14.286	0.0	2.741	Init abs., Test limit hig
CCV3	1.025	0.0	0.207	
CCB3	0.020	0.0	0.015	
Q2813-01DLX10	1.453	0.0	0.289	
Q2813-05DLX10	1.280	0.0	0.256	
CCV4	0.992	0.0	0.201	
CCB4	0.020	0.0	0.015	

98% (50-150)

08/12/2025
RM

08/12/2025
RM

N 32
Mean 1.369
SD 3.5551
CV% 259.61

Aquakem v. 7.2AQ1

Results from time period:

Tue Aug 12 08:49:22 2025

Tue Aug 12 10:50:57 2025

Sample Id	Sam/Ctr/c/	Test short r	Test type	Result	Result unit	Result date and time	Stat
0.0PPM	A	Ammonia-† P		0.0238	mg/l	8/12/2025 8:49:22	
0.1PPM	A	Ammonia-† P		0.1099	mg/l	8/12/2025 8:49:23	
0.2PPM	A	Ammonia-† P		0.1986	mg/l	8/12/2025 8:49:24	
0.4PPM	A	Ammonia-† P		0.3944	mg/l	8/12/2025 8:49:25	
1.0PPM	A	Ammonia-† P		0.9869	mg/l	8/12/2025 8:49:26	
1.3PPM	A	Ammonia-† P		1.2706	mg/l	8/12/2025 8:49:27	
2.0PPM	A	Ammonia-† P		2.0492	mg/l	8/12/2025 8:49:28	
ICV1	S	Ammonia-† P		0.9911	mg/l	8/12/2025 9:47:03	
ICB1	S	Ammonia-† P		0.032	mg/l	8/12/2025 9:47:05	
CCV1	S	Ammonia-† P		0.969	mg/l	8/12/2025 9:47:08	
CCB1	S	Ammonia-† P		0.0284	mg/l	8/12/2025 9:47:10	
RL CHECK	S	Ammonia-† P		0.0981	mg/l	8/12/2025 9:47:13	
PB169198BL	S	Ammonia-† P		0.0294	mg/l	8/12/2025 9:57:47	
PB169198BS	S	Ammonia-† P		1.007	mg/l	8/12/2025 9:57:49	
Q2795-01	S	Ammonia-† P		0.0258	mg/l	8/12/2025 9:57:52	
Q2795-01DUP	S	Ammonia-† P		0.0225	mg/l	8/12/2025 9:57:53	
Q2795-01MS	S	Ammonia-† P		0.9495	mg/l	8/12/2025 9:57:55	
Q2795-01MSD	S	Ammonia-† P		0.9431	mg/l	8/12/2025 9:57:56	
Q2795-02	S	Ammonia-† P		0.0221	mg/l	8/12/2025 10:08:31	
Q2795-03	S	Ammonia-† P		0.0339	mg/l	8/12/2025 10:08:32	
Q2807-01	S	Ammonia-† P		0.0212	mg/l	8/12/2025 10:08:33	
CCV2	S	Ammonia-† P		0.9678	mg/l	8/12/2025 10:08:37	
CCB2	S	Ammonia-† P		0.0198	mg/l	8/12/2025 10:08:39	
Q2807-02	S	Ammonia-† P		0.0239	mg/l	8/12/2025 10:08:40	
Q2807-03	S	Ammonia-† P		0.0208	mg/l	8/12/2025 10:08:41	
PB169199BL	S	Ammonia-† P		0.0185	mg/l	8/12/2025 10:08:42	
PB169199BS	S	Ammonia-† P		0.9986	mg/l	8/12/2025 10:19:14	
Q2804-01	S	Ammonia-† P		0.1083	mg/l	8/12/2025 10:19:16	
Q2804-01DUP	S	Ammonia-† P		0.1108	mg/l	8/12/2025 10:19:19	
Q2804-01MS	S	Ammonia-† P		1.0238	mg/l	8/12/2025 10:19:20	
Q2804-01MSD	S	Ammonia-† P		1.0095	mg/l	8/12/2025 10:19:21	
Q2813-01	S	Ammonia-† P		15.2703	mg/l	8/12/2025 10:19:24	
Q2813-05	S	Ammonia-† P		14.2855	mg/l	8/12/2025 10:25:52	
CCV3	S	Ammonia-† P		1.0249	mg/l	8/12/2025 10:25:53	
CCB3	S	Ammonia-† P		0.0203	mg/l	8/12/2025 10:25:55	
Q2813-01DLX10	S	Ammonia-† P		1.4528	mg/l	8/12/2025 10:50:50	
Q2813-05DLX10	S	Ammonia-† P		1.2799	mg/l	8/12/2025 10:50:52	
CCV4	S	Ammonia-† P		0.9916	mg/l	8/12/2025 10:50:54	
CCB4	S	Ammonia-† P		0.0203	mg/l	8/12/2025 10:50:56	

Calibration results

Aquakem 7.2AQ1

Page:

Alliance Technical Group

284 Sheffield Street, Mountainside, NJ 07092

Reviewed by : RH

Instrument ID : Konelab

8/12/2025 8:57

Test Ammonia-N

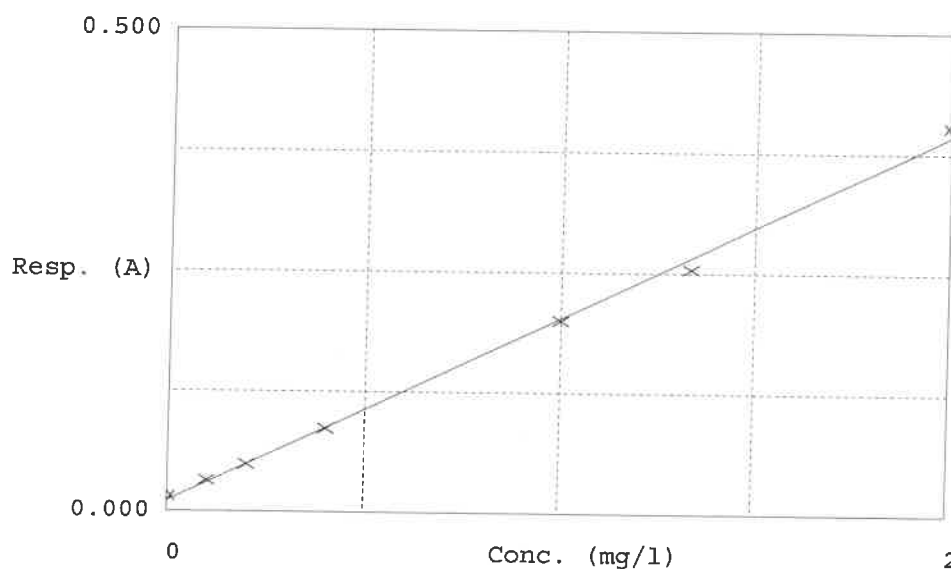
Accepted 8/12/2025 8:57

Factor 5.233

Bias 0.011

Coeff. of det. 0.997860

Errors



	Calibrator	Response	Calc. con.	Conc.	Errors
1	0.00PPM	0.016	0.0238	0.0000	✓
2	NH3-2PPM	0.032	0.1099	0.1000	9.9
3	NH3-2PPM	0.049	0.1986	0.2000	-0.7
4	NH3-2PPM	0.087	0.3944	0.4000	-1.4
5	NH3-2PPM	0.200	0.9869	1.0000	-1.3
6	NH3-2PPM	0.254	1.2706	1.3333	-2.3
7	NH3-2PPM	0.403	2.0492	2.0000	2.5

08/12/2025
RH

SOP ID : M3060A,7196A-Hex.Chromium-27

SDG No : N/A

Start Digest Date: 08/11/2025 Time : 09:15 Temp : 90 °C

Matrix : SOIL

End Digest Date: 08/11/2025 Time : 10:15 Temp : 93 °C

Pipette ID : WC

15 batch 08/11/2025 10:40 90°C
08/11/2025 11:40 91.5°C

Balance ID : WC SC-7

Hood ID : HOOD#3

Digestion tube ID : M6054

Block Thermometer ID : WC-Block#1

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

Filter paper ID : 400213

Prep Technician Signature: RT

Weigh By : RM

pH Meter ID : WC pH meter-1

Supervisor Signature: 17

Standardized Name	MLS USED	STD REF. # FROM LOG
PRE-DIGESTION SPIKE	2.0ML	WP113880
INSOLUBLE SPIKE	0.02GM	W2202
POST-DIGESTION SPIKE	2.0ML	WP113880
LCSS	1.0ML	WP113881
PBS003	50. ML	W3112

Chemical Used	ML/SAMPLE USED	Lot Number
MAGNESIUM CHLORIDE	0.4GM	W3152
PHOSPHATE BUFFER	0.5ML	WP112903
HEX. DIGESTION SOLN.	50.0ML	WP114057
5M HNO3	5-7ML	WP112830
5N H2SO4	1-3ML	WP112831
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	Vol(ml)	Comment
CAL1	CAL1	2.5ML	W3112
CAL2	CAL2	0.2ML	WP114253
CAL3	CAL3	0.5ML	WP114253
CAL4	CAL4	1ML	WP114253
CAL5	CAL5	0.2ML	WP113880
CAL6	CAL6	1ML	WP113880
CAL7	CAL7	2.0ML	WP113880
ICV	ICV	1ML	WP113881
ICB	ICB	2.5ML	W3112
CCV	CCV	1ML	WP113880
CCB	CCB	2.5ML	W3112

Extraction Conformance/Non-Conformance Comments:

08/11/2025 12:4

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
PB169184BL	PBS184	2.50	100	N/A	N/A	N/A	N/A	N/A	N/A
PB169184BS	LCS184	2.50	100	N/A	N/A	N/A	N/A	N/A	N/A
Q2795-01DUP	COMP-1DUP	2.56	100	N/A	N/A	N/A	N/A	N/A	N/A
Q2795-01MSPre	COMP-1MSPRE	2.56	100	N/A	N/A	N/A	N/A	N/A	N/A
Q2795-01MS2Ins	COMP-1MS2INS	2.55	100	N/A	N/A	N/A	N/A	N/A	N/A
Q2795-01MS3Post	COMP-1MS3POST	2.54	100	N/A	N/A	N/A	N/A	N/A	N/A
Q2795-01	COMP-1	2.55	100	N/A	N/A	N/A	N/A	N/A	N/A
Q2795-02	COMP-2	2.52	100	N/A	N/A	N/A	N/A	N/A	N/A
Q2795-03	COMP-3	2.55	100	N/A	N/A	N/A	N/A	N/A	N/A
Q2798-01	TP-6	2.53	100	N/A	N/A	N/A	N/A	N/A	N/A
Q2800-01	VNJ-222	2.57	100	N/A	N/A	N/A	N/A	N/A	N/A
Q2807-01	COMP-4	2.56	100	N/A	N/A	N/A	N/A	N/A	N/A
Q2807-02	COMP-5	2.51	100	N/A	N/A	N/A	N/A	N/A	N/A
Q2807-03	COMP-6	2.57	100	N/A	N/A	N/A	N/A	N/A	N/A
Q2808-01	TP-7	2.54	100	N/A	N/A	N/A	N/A	N/A	N/A

WORKLIST(Hardcopy Internal Chain)

WorkList Name : hex-8-11

WorkList ID : 191195

Department : Distillation

Date : 08-11-2025 08:07:16

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2795-01	COMP-1	Solid	Hexavalent Chromium	Cool 4 deg C	POWE02	D31	08/06/2025	7196A
Q2795-02	COMP-2	Solid	Hexavalent Chromium	Cool 4 deg C	POWE02	D31	08/06/2025	7196A
Q2795-03	COMP-3	Solid	Hexavalent Chromium	Cool 4 deg C	POWE02	D31	08/06/2025	7196A
Q2798-01	TP-6	Solid	Hexavalent Chromium	Cool 4 deg C	PSEG03	D21	08/07/2025	7196A
Q2800-01	VNU-222	Solid	Hexavalent Chromium	Cool 4 deg C	PSEG03	D31	08/07/2025	7196A
Q2807-01	COMP-4	Solid	Hexavalent Chromium	Cool 4 deg C	POWE02	J12	08/07/2025	7196A
Q2807-02	COMP-5	Solid	Hexavalent Chromium	Cool 4 deg C	POWE02	J12	08/07/2025	7196A
Q2807-03	COMP-6	Solid	Hexavalent Chromium	Cool 4 deg C	POWE02	J12	08/07/2025	7196A
Q2808-01	TP-7	Solid	Hexavalent Chromium	Cool 4 deg C	PSEG03	D31	08/08/2025	7196A

Date/Time 08/11/2025 08:15
 Raw Sample Received by: RM (w/c)
 Raw Sample Relinquished by: SP/AVOC1

Date/Time 08/11/2025 11:00
 Raw Sample Received by: SP/AVOC1
 Raw Sample Relinquished by: RM (w/c)

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

SDG No : N/A

Matrix : SOIL

Pipette ID : WC

Balance ID : WC SC-7

Hood ID : HOOD#2

Block ID : WC-DIST-BLOCK-1

Weigh By : RM

Start Digest Date: 08/11/2025 Time : 12:00 Temp : 150 °C

End Digest Date: 08/11/2025 Time : 13:00 Temp : 158 °C

II batch
08/11/2025 13:30 150 °C
08/11/2025 14:30 160 °C

Digestion tube ID : M5595

Block Thermometer ID : WC CYANIDE

Filter paper ID : N/A

Prep Technician Signature: *RM*

pH Meter ID : N/A

Supervisor Signature: *12*

Standard Name	MLS USED	STD REF. # FROM LOG
LCSS	1.0ML	WP114257
MS/MSD SPIKE SOL.	1.0ML	WP114256
PBS003	50.0ML	W3112
RL CHECK	0.1ML	WP114256
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
BORATE BUFFER	2.5ML	WP111325
NAOH 6N	0.5-2.0ML	WP111318
H2SO4 0.04N	5.0ML	WP112828
pH strip-Ammonia	N/A	W3133
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:

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
08/11/2025 14:45	<i>RM</i> <i>WC</i>	<i>RM</i> <i>WC</i>
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
PB169198BL	PBS198	1.00	50	N/A	N/A	N/A	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
PB169198BS	LCS198	1.00	50	N/A	N/A	N/A	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q2795-01DUP	COMP-1DUP	1.03	50	N/A	N/A	N/A	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q2795-01MS	COMP-1MS	1.04	50	N/A	N/A	N/A	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q2795-01MSD	COMP-1MSD	1.02	50	N/A	N/A	N/A	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q2795-01	COMP-1	1.03	50	N/A	N/A	N/A	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q2795-02	COMP-2	1.04	50	N/A	N/A	N/A	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q2795-03	COMP-3	1.01	50	N/A	N/A	N/A	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q2807-01	COMP-4	1.02	50	N/A	N/A	N/A	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q2807-02	COMP-5	1.04	50	N/A	N/A	N/A	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q2807-03	COMP-6	1.03	50	N/A	N/A	N/A	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A

WORKLIST(Hardcopy Internal Chain)

WorkList Name : ammonia soil-8-11

WorkList ID : 191196

Department : Distillation

Date : 08-11-2025 08:08:22

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2795-01	COMP-1	Solid	Ammonia	Cool 4 deg C	POWE02	D31	08/06/2025	SM4500-NH3
Q2795-02	COMP-2	Solid	Ammonia	Cool 4 deg C	POWE02	D31	08/06/2025	SM4500-NH3
Q2795-03	COMP-3	Solid	Ammonia	Cool 4 deg C	POWE02	D31	08/06/2025	SM4500-NH3
Q2807-01	COMP-4	Solid	Ammonia	Cool 4 deg C	POWE02	J12	08/07/2025	SM4500-NH3
Q2807-02	COMP-5	Solid	Ammonia	Cool 4 deg C	POWE02	J12	08/07/2025	SM4500-NH3
Q2807-03	COMP-6	Solid	Ammonia	Cool 4 deg C	POWE02	J12	08/07/2025	SM4500-NH3

Date/Time 08/11/2025 10:50
 Raw Sample Received by: RM WSG
 Raw Sample Relinquished by: M WLC

Date/Time 08/11/2025 15:25
 Raw Sample Received by: JBC
 Raw Sample Relinquished by: RYUWA

Instrument ID: IC-1

Daily Analysis Runlog For Sequence/QC Batch ID # LB136743

Review By	rubina	Review On	8/11/2025 1:13:44 PM
Supervise By	Iwona	Supervise On	8/11/2025 2:02:19 PM
SubDirectory	LB136743	Test	Anions
STD. NAME	STD REF.#		
ICAL Standard	WP114185,WP114186,WP114187,WP114188,WP114189,WP114190,WP114191		
ICV Standard	WP114192		
CCV Standard	WP114206		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	WP114209		
Chk Standard	WP114193,WP114194		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	STD1	STD1	CAL1	08/06/25 10:18	All standards, samples, and	RM/IZ	OK
2	STD2	STD2	CAL2	08/06/25 10:40	QC are filtered through	RM/IZ	OK
3	STD3	STD3	CAL3	08/06/25 11:01	0.45um, filter lot W3160	RM/IZ	OK
4	STD4	STD4	CAL4	08/06/25 11:23		RM/IZ	OK
5	STD5	STD5	CAL5	08/06/25 11:44		RM/IZ	OK
6	STD6	STD6	CAL6	08/06/25 12:06		RM/IZ	OK
7	STD7	STD7	CAL7	08/06/25 12:27		RM/IZ	OK
8	ICV1	ICV1	ICV	08/06/25 12:48		RM/IZ	OK
9	ICB1	ICB1	ICB	08/06/25 13:10		RM/IZ	OK
10	CCV1	CCV1	CCV	08/07/25 09:06		RM/IZ	OK
11	CCB1	CCB1	CCB	08/07/25 09:28		RM/IZ	OK
12	LB136743BLS	LB136743BLS	MB	08/07/25 09:49		RM/IZ	OK
13	LB136743BSS	LB136743BSS	LCS	08/07/25 10:11		RM/IZ	OK
14	Q2795-01	COMP-1	SAM	08/07/25 13:56		RM/IZ	OK
15	Q2795-01MS	COMP-1MS	MS	08/07/25 14:18	5ml W3092	RM/IZ	OK
16	Q2795-01MSD	COMP-1MSD	MSD	08/07/25 14:40	5ml W3092	RM/IZ	OK
17	Q2795-02	COMP-2	SAM	08/07/25 15:01		RM/IZ	OK
18	Q2795-03	COMP-3	SAM	08/07/25 15:23		RM/IZ	OK

Instrument ID: IC-1

Daily Analysis Runlog For Sequence/QC Batch ID # LB136743

Review By	rubina	Review On	8/11/2025 1:13:44 PM
Supervise By	Iwona	Supervise On	8/11/2025 2:02:19 PM
SubDirectory	LB136743	Test	Anions
STD. NAME	STD REF.#		
ICAL Standard	WP114185,WP114186,WP114187,WP114188,WP114189,WP114190,WP114191		
ICV Standard	WP114192		
CCV Standard	WP114206		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	WP114209		
Chk Standard	WP114193,WP114194		

19	CCV2	CCV2	CCV	08/07/25 15:44		RM/IZ	OK
20	CCB2	CCB2	CCB	08/07/25 16:06		RM/IZ	OK

Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QC Batch ID # LB136775

Review By	rubina	Review On	8/11/2025 3:59:36 PM
Supervise By	jignesh	Supervise On	8/11/2025 4:35:22 PM
SubDirectory	LB136775	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	WP114259,WP112831,WP112830,WP113087		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	08/11/25 13:40		rubina	OK
2	CAL2	CAL2	CAL	08/11/25 13:41		rubina	OK
3	CAL3	CAL3	CAL	08/11/25 13:42		rubina	OK
4	CAL4	CAL4	CAL	08/11/25 13:43		rubina	OK
5	CAL5	CAL5	CAL	08/11/25 13:44		rubina	OK
6	CAL6	CAL6	CAL	08/11/25 13:45		rubina	OK
7	CAL7	CAL7	CAL	08/11/25 13:46		rubina	OK
8	ICV	ICV	ICV	08/11/25 13:47		rubina	OK
9	ICB	ICB	ICB	08/11/25 13:48		rubina	OK
10	CCV1	CCV1	CCV	08/11/25 13:49		rubina	OK
11	CCB1	CCB1	CCB	08/11/25 13:50		rubina	OK
12	RL Check	RL Check	RL	08/11/25 13:51		rubina	OK
13	PB169184BL	PB169184BL	MB	08/11/25 13:52		rubina	OK
14	PB169184BS	PB169184BS	LCS	08/11/25 13:53		rubina	OK
15	Q2795-01	COMP-1	SAM	08/11/25 13:54		rubina	OK
16	Q2795-01DUP	COMP-1DUP	DUP	08/11/25 13:55		rubina	OK
17	Q2795-01MSPre	COMP-1MS	MS	08/11/25 13:56		rubina	OK
18	Q2795-01MS2Ins	COMP-1MS	MS	08/11/25 13:57		rubina	OK

Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QC Batch ID # LB136775

Review By	rubina	Review On	8/11/2025 3:59:36 PM
Supervise By	jignesh	Supervise On	8/11/2025 4:35:22 PM
SubDirectory	LB136775	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	WP114259,WP112831,WP112830,WP113087		

19	Q2795-01MS3Post	COMP-1MS	MS	08/11/25 13:58		rubina	OK
20	Q2795-02	COMP-2	SAM	08/11/25 13:59		rubina	OK
21	Q2795-03	COMP-3	SAM	08/11/25 14:00		rubina	OK
22	Q2798-01	TP-6	SAM	08/11/25 14:01		rubina	OK
23	CCV2	CCV2	CCV	08/11/25 14:02		rubina	OK
24	CCB2	CCB2	CCB	08/11/25 14:03		rubina	OK
25	Q2800-01	VNJ-222	SAM	08/11/25 14:04		rubina	OK
26	Q2807-01	COMP-4	SAM	08/11/25 14:05		rubina	OK
27	Q2807-02	COMP-5	SAM	08/11/25 14:06		rubina	OK
28	Q2807-03	COMP-6	SAM	08/11/25 14:07		rubina	OK
29	Q2808-01	TP-7	SAM	08/11/25 14:08		rubina	OK
30	CCV3	CCV3	CCV	08/11/25 14:09		rubina	OK
31	CCB3	CCB3	CCB	08/11/25 14:10		rubina	OK

Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QC Batch ID # LB136784

Review By	rubina	Review On	8/13/2025 10:22:10 AM
Supervise By	Sohil	Supervise On	8/13/2025 11:12:27 AM
SubDirectory	LB136784	Test	Ammonia
STD. NAME	STD REF.#		
ICAL Standard	WP114262		
ICV Standard	WP114264		
CCV Standard	WP114263		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	WP114257		
Chk Standard	WP114258,WP114133,WP113929,WP114132		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	0.0PPM	0.0PPM	CAL1	08/12/25 08:49		rubina	OK
2	0.1PPM	0.1PPM	CAL2	08/12/25 08:49		rubina	OK
3	0.2PPM	0.2PPM	CAL3	08/12/25 08:49		rubina	OK
4	0.4PPM	0.4PPM	CAL4	08/12/25 08:49		rubina	OK
5	1.0PPM	1.0PPM	CAL5	08/12/25 08:49		rubina	OK
6	1.3PPM	1.3PPM	CAL6	08/12/25 08:49		rubina	OK
7	2.0PPM	2.0PPM	CAL7	08/12/25 08:49		rubina	OK
8	ICV1	ICV1	ICV	08/12/25 09:47		rubina	OK
9	ICB1	ICB1	ICB	08/12/25 09:47		rubina	OK
10	CCV1	CCV1	CCV	08/12/25 09:47		rubina	OK
11	CCB1	CCB1	CCB	08/12/25 09:47		rubina	OK
12	RL	RL	SAM	08/12/25 09:47		rubina	OK
13	PB169198BL	PB169198BL	MB	08/12/25 09:57		rubina	OK
14	PB169198BS	PB169198BS	LCS	08/12/25 09:57		rubina	OK
15	Q2795-01	COMP-1	SAM	08/12/25 09:57		rubina	OK
16	Q2795-01DUP	COMP-1DUP	DUP	08/12/25 09:57		rubina	OK
17	Q2795-01MS	COMP-1MS	MS	08/12/25 09:57		rubina	OK
18	Q2795-01MSD	COMP-1MSD	MSD	08/12/25 09:57		rubina	OK

Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QC Batch ID # LB136784

Review By	rubina	Review On	8/13/2025 10:22:10 AM
Supervise By	Sohil	Supervise On	8/13/2025 11:12:27 AM
SubDirectory	LB136784	Test	Ammonia
STD. NAME	STD REF.#		
ICAL Standard	WP114262		
ICV Standard	WP114264		
CCV Standard	WP114263		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	WP114257		
Chk Standard	WP114258,WP114133,WP113929,WP114132		

19	Q2795-02	COMP-2	SAM	08/12/25 10:08		rubina	OK
20	Q2795-03	COMP-3	SAM	08/12/25 10:08		rubina	OK
21	Q2807-01	COMP-4	SAM	08/12/25 10:08		rubina	OK
22	CCV2	CCV2	CCV	08/12/25 10:08		rubina	OK
23	CCB2	CCB2	CCB	08/12/25 10:08		rubina	OK
24	Q2807-02	COMP-5	SAM	08/12/25 10:08		rubina	OK
25	Q2807-03	COMP-6	SAM	08/12/25 10:08		rubina	OK
26	PB169199BL	PB169199BL	MB	08/12/25 10:08		rubina	OK
27	PB169199BS	PB169199BS	LCS	08/12/25 10:19		rubina	OK
28	Q2804-01	WATER-TREATMENT	SAM	08/12/25 10:19		rubina	OK
29	Q2804-01DUP	WATER-TREATMENT	DUP	08/12/25 10:19		rubina	OK
30	Q2804-01MS	WATER-TREATMENT	MS	08/12/25 10:19		rubina	OK
31	Q2804-01MSD	WATER-TREATMENT	MSD	08/12/25 10:19		rubina	OK
32	Q2813-01	EFFLUENT	SAM	08/12/25 10:19	High	rubina	Dilution
33	Q2813-05	INFLUENT	SAM	08/12/25 10:25	High	rubina	Dilution
34	CCV3	CCV3	CCV	08/12/25 10:25		rubina	OK
35	CCB3	CCB3	CCB	08/12/25 10:25		rubina	OK
36	Q2813-01DL	EFFLUENTDL	SAM	08/12/25 10:50	Report 10X	rubina	Confirms
37	Q2813-05DL	INFLUENTDL	SAM	08/12/25 10:50	Report 10X	rubina	Confirms
38	CCV4	CCV4	CCV	08/12/25 10:50		rubina	OK

Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QC Batch ID # LB136784

Review By	rubina	Review On	8/13/2025 10:22:10 AM
Supervise By	Sohil	Supervise On	8/13/2025 11:12:27 AM
SubDirectory	LB136784	Test	Ammonia
STD. NAME	STD REF.#		
ICAL Standard	WP114262		
ICV Standard	WP114264		
CCV Standard	WP114263		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	WP114257		
Chk Standard	WP114258,WP114133,WP113929,WP114132		

39	CCB4	CCB4	CCB	08/12/25 10:50		rubina	OK
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Instrument ID: GRAVIMETRIC

Daily Analysis Runlog For Sequence/QC Batch ID # LB136811

Review By	Sohil	Review On	8/15/2025 4:24:47 PM
Supervise By	jignesh	Supervise On	8/14/2025 4:46:15 PM
SubDirectory	LB136811	Test	Trivalent 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	N/A		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	Q2795-01	COMP-1	SAM	08/11/25 15:23			OK
2	Q2795-02	COMP-2	SAM	08/11/25 15:27			OK
3	Q2795-03	COMP-3	SAM	08/11/25 15:31			OK
4	Q2807-01	COMP-4	SAM	08/11/25 18:42			OK
5	Q2807-02	COMP-5	SAM	08/11/25 18:47			OK
6	Q2807-03	COMP-6	SAM	08/11/25 18:51			OK



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 8/8/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:10
In Date: 08/07/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:17
Out Date: 08/08/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB136742

Lab ID	Client SampleID	Dish #	Dish Wt (g) (A)	Sample Wt (g)	Dish + Sample Wt (g) (B)	Dish+Dry Sample Wt (g) (C)	% Solid	Comments
Q2793-01	VNJ-231	1	1.15	10.43	11.58	10.82	92.7	
Q2793-02	VNJ-231	2	1.19	10.40	11.59	11.12	95.5	
Q2795-01	COMP-1	3	1.15	10.60	11.75	9.9	82.5	
Q2795-02	COMP-2	4	1.19	10.17	11.36	9.41	80.8	
Q2795-03	COMP-3	5	1.13	10.86	11.99	10.03	82.0	
Q2798-01	TP-6	6	1.18	10.17	11.35	10.25	89.2	
Q2798-02	TP-6-EPH	7	1.18	10.51	11.69	10.04	84.3	
Q2798-03	TP-6-VOC	8	1.18	10.21	11.39	10.06	87.0	
Q2800-01	VNJ-222	12	1.16	10.57	11.73	10.99	93.0	
Q2801-01	TR-04-080725	13	1.17	10.36	11.53	11.05	95.4	
Q2801-02	TR-04-080725-E2	14	1.14	10.41	11.55	10.71	91.9	
Q2802-01	S-1A	9	1.15	10.84	11.99	10.96	90.5	
Q2802-02	S-1B	10	1.16	10.20	11.36	9.04	77.3	
Q2802-03	S-2	11	1.15	10.84	11.99	10.4	85.3	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

136742

WorkList Name : %1-080725

WorkList ID : 191140

Department : Wet-Chemistry

Date : 08-07-2025 07:55:24

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2793-01	VNJ-231	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/07/2025	Chemtech -SO
Q2793-02	VNJ-231	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/07/2025	Chemtech -SO
Q2795-01	COMP-1	Solid	Percent Solids	Cool 4 deg C	POWE02	D31	08/06/2025	Chemtech -SO
Q2795-02	COMP-2	Solid	Percent Solids	Cool 4 deg C	POWE02	D31	08/06/2025	Chemtech -SO
Q2795-03	COMP-3	Solid	Percent Solids	Cool 4 deg C	POWE02	D31	08/06/2025	Chemtech -SO
Q2798-01	TP-6	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	08/07/2025	Chemtech -SO
Q2798-02	TP-6-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	08/07/2025	Chemtech -SO
Q2798-03	TP-6-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D21	08/07/2025	Chemtech -SO
Q2800-01	VNJ-222	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	08/07/2025	Chemtech -SO
Q2801-01	TR-04-080725	Solid	Percent Solids	Cool 4 deg C	PSEG05	D21	08/07/2025	Chemtech -SO
Q2801-02	TR-04-080725-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D21	08/07/2025	Chemtech -SO
Q2802-01	S-1A	Solid	Percent Solids	Cool 4 deg C	EARTH03	J13	08/07/2025	Chemtech -SO
Q2802-02	S-1B	Solid	Percent Solids	Cool 4 deg C	EARTH03	J13	08/07/2025	Chemtech -SO
Q2802-03	S-2	Solid	Percent Solids	Cool 4 deg C	EARTH03	J13	08/07/2025	Chemtech -SO

08/07/25

Date/Time 08/07/25 15:30

Raw Sample Received by: 88 601

Raw Sample Relinquished by: ASH

Date/Time 08/07/25 15:30

Raw Sample Received by: ASH

Raw Sample Relinquished by: 88 601



SHIPPING DOCUMENTS

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Kleinfelder
ADDRESS: 180 Sheree Blvd. Suite 3800
CITY: Exton STATE: PA ZIP: 19341
ATTENTION: Mark Warchol
PHONE: 484-883-3892 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Girard School
PROJECT NO.: 26001558.001A LOCATION: Philadelphia
PROJECT MANAGER: Mark Warchol
e-mail: mwarchol@kleinfelder.com
PHONE: 484-883-3892 FAX:

CLIENT BILLING INFORMATION

BILL TO: PO#: Same
ADDRESS:
CITY: STATE: ZIP:
ATTENTION: PHONE:

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) 5 DAYS*
HARDCOPY (DATA PACKAGE): 5 DAYS*
EDD: 5 DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

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

PAVED Historic
Cleaner Hold

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS	
			COMP	GRAB	DATE	TIME		E	E								← Specify Preservatives	
1.	COMP-1	Soil	✓		8/6/25	10:20	4	✓									A-HCl	D-NaOH
2.	COMP-2					11:25	1	↓									B-HNO3	E-ICE
3.	COMP-3		↓			12:20	1	↓									C-H2SO4	F-OTHER
4.	SB-1			✓		9:40	1		✓									
5.	SB-2					9:50	1		↓									
6.	SB-3					10:00	1		↓									
7.	SB-4					10:15	1		↓									
8.	SB-5					10:35	1		↓									
9.	SB-6					10:50	1		↓									
10.	SB-7		↓	↓		11:00	1		↓									

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

RELINQUISHED BY SAMPLER: 1. [Signature]	DATE/TIME: 8/6/25	RECEIVED BY: 1. [Signature]	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP
RELINQUISHED BY SAMPLER: 2. [Signature]	DATE/TIME: 11:28 8/7/25	RECEIVED BY: 2. [Signature]	Comments: Hold grab samples SB-1 thru SB-12 2.8"
RELINQUISHED BY SAMPLER: 3. [Signature]	DATE/TIME:	RECEIVED BY: 3. [Signature]	IF Gun #1

Page 1 of 2 CLIENT: ☐ Hand Delivered ☒ Other FedEx Shipment Complete ☐ YES ☐ NO

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Kleinfelder
ADDRESS: 180 Saeree Blvd. Suite 3800
CITY: Exton STATE: PA ZIP: 19341
ATTENTION: Mark Warchol
PHONE: 484-883-3892 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Girard School
PROJECT NO.: 1600/558-001A LOCATION: Philadelphia
PROJECT MANAGER: Mark Warchol
e-mail: mwarchol@kleinfelder.com
PHONE: 484-883-3892 FAX:

CLIENT BILLING INFORMATION

BILL TO: PO#:
ADDRESS: Same
CITY: STATE: ZIP:
ATTENTION: PHONE:

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) 5 DAYS*
HARDCOPY (DATA PACKAGE): 5 DAYS*
EDD: 5 DAYS*

*TO BE APPROVED BY CHEMTECH

STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

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

PRESERVATIVES

COMMENTS

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES										← Specify Preservatives A-HCl D-NaOH B-HNO3 E-ICE C-H2SO4 F-OTHER
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	SB-8	Soil		✓	8/6/25	11:20	1		✓								
2.	SB-9	↓		↓	↓	11:50	↓		↓								
3.	SB-10	↓		↓	↓	12:00	↓		↓								
4.	SB-11	↓		↓	↓	12:10	↓		↓								
5.	SB-12	↓		↓	↓	12:15	↓		↓								
6.																	
7.																	
8.																	
9.																	
10.																	

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

RELINQUISHED BY SAMPLER: 1. <i>[Signature]</i>	DATE/TIME: 8/6/25	RECEIVED BY: 1. <i>[Signature]</i>	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 28 °C Comments: <i>[Signature]</i> Page 2 of 2
RELINQUISHED BY SAMPLER: 2. <i>[Signature]</i>	DATE/TIME: 1128 8/7/25	RECEIVED BY: 2. <i>[Signature]</i>	
RELINQUISHED BY SAMPLER: 3. <i>[Signature]</i>	DATE/TIME:	RECEIVED BY: 3. <i>[Signature]</i>	

CLIENT: ☐ Hand Delivered ☒ Other FedEx
Shipment Complete
☐ YES ☐ NO

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

LOGIN REPORT/SAMPLE TRANSFER

YG 08/12/2025

Order ID : Q2795	POWE02	Order Date : 8/7/2025 11:57:00 AM Girard School-PA	Project Mgr :
Client Name : Kleinfelder		Project Name : Girard School	Report Type : Results+QC
Client Contact : Mark Warchol		Receive DateTime : 8/7/2025 11:28:00 AM	EDD Type : EXCEL NOCLEANUP
Invoice Name : Kleinfelder		Purchase Order :	Hard Copy Date :
Invoice Contact : Mark Warchol			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2795-01	COMP-1	Solid	08/06/2025	10:20					
					VOCMS Group1		8260D	5 Bus. Days	
Q2795-02	COMP-2	Solid	08/06/2025	11:25					
					VOCMS Group1		8260D	5 Bus. Days	
Q2795-03	COMP-3	Solid	08/06/2025	12:20					
					VOCMS Group1		8260D	5 Bus. Days	

Relinquished By :

Date / Time :

CP
8/7/25 1240

Received By :

Date / Time :

Sam
8/7/25 12:40 *11-11-6*
F 22

Storage Area : VOA Refridgerator Room