

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:	Q3155	OrderDate:	9/19/2025 1:05:00 PM
Client:	Kleinfelder	Project:	Tanner G. Duckrey Public School
Contact:	Mark Warchol	Location:	D41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3155-01	COMP-1	SOIL			09/18/25 09:55			09/19/25
			Ammonia	SM4500-NH3		09/19/25	09/22/25 12:32	
			Anions Group1	9056A			09/22/25 10:31	
			Hexavalent Chromium	7196A		09/23/25	09/23/25 13:14	
			Trivalent Chromium	6010D			09/24/25 15:37	
Q3155-02	COMP-2	SOIL			09/18/25 10:40			09/19/25
			Ammonia	SM4500-NH3		09/19/25	09/22/25 12:42	
			Anions Group1	9056A			09/22/25 11:36	
			Hexavalent Chromium	7196A		09/23/25	09/23/25 13:14	
			Trivalent Chromium	6010D			09/24/25 15:50	
Q3155-03	COMP-3	SOIL			09/18/25 11:30			09/19/25
			Ammonia	SM4500-NH3		09/19/25	09/22/25 12:42	
			Anions Group1	9056A			09/22/25 11:57	
			Hexavalent Chromium	7196A		09/23/25	09/23/25 13:15	
			Trivalent Chromium	6010D			09/24/25 15:54	



SAMPLE DATA

Report of Analysis

Client:	Kleinfelder	Date Collected:	09/18/25 09:55
Project:	Tanner G. Duckrey Public School	Date Received:	09/19/25
Client Sample ID:	COMP-1	SDG No.:	Q3155
Lab Sample ID:	Q3155-01	Matrix:	SOIL
		% Solid:	87.8

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Ammonia as N	2.40	U	1	2.40	5.50	mg/Kg	09/19/25 15:45	09/22/25 12:32	SM 4500-NH3 B plus G-21
Chloride	16.6		1	3.90	13.6	mg/Kg		09/22/25 10:31	9056A
Fluoride	3.70	J	1	2.00	9.10	mg/Kg		09/22/25 10:31	9056A
Sulfate	31.3	J	1	9.90	68.1	mg/Kg		09/22/25 10:31	9056A
Hexavalent Chromium	0.078	U	1	0.078	0.45	mg/Kg	09/23/25 08:45	09/23/25 13:14	7196A
Trivalent Chromium	24.9		1	0.57	0.57	mg/Kg		09/24/25 15:37	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:	09/18/25 10:40
Project:	Tanner G. Duckrey Public School	Date Received:	09/19/25
Client Sample ID:	COMP-2	SDG No.:	Q3155
Lab Sample ID:	Q3155-02	Matrix:	SOIL
		% Solid:	91.1

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Ammonia as N	2.40	U	1	2.40	5.40	mg/Kg	09/19/25 15:45	09/22/25 12:42	SM 4500-NH3 B plus G-21
Chloride	4.30	J	1	3.80	13.1	mg/Kg		09/22/25 11:36	9056A
Fluoride	3.20	J	1	1.90	8.70	mg/Kg		09/22/25 11:36	9056A
Sulfate	20.9	J	1	9.60	65.3	mg/Kg		09/22/25 11:36	9056A
Hexavalent Chromium	0.076	U	1	0.076	0.43	mg/Kg	09/23/25 08:45	09/23/25 13:14	7196A
Trivalent Chromium	17.7		1	0.55	0.55	mg/Kg		09/24/25 15:50	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:	09/18/25 11:30
Project:	Tanner G. Duckrey Public School	Date Received:	09/19/25
Client Sample ID:	COMP-3	SDG No.:	Q3155
Lab Sample ID:	Q3155-03	Matrix:	SOIL
		% Solid:	91.8

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.
Ammonia as N	2.30	U	1	2.30	5.30	mg/Kg	09/19/25 15:45	09/22/25 12:42	SM 4500-NH3 B plus G-21
Chloride	4.30	J	1	3.80	13.0	mg/Kg		09/22/25 11:57	9056A
Fluoride	2.90	J	1	1.90	8.70	mg/Kg		09/22/25 11:57	9056A
Sulfate	17.9	J	1	9.50	65.1	mg/Kg		09/22/25 11:57	9056A
Hexavalent Chromium	0.076	U	1	0.076	0.43	mg/Kg	09/23/25 08:45	09/23/25 13:15	7196A
Trivalent Chromium	18.3		1	0.55	0.55	mg/Kg		09/24/25 15:54	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.: Q3155

Project: Tanner G. Duckrey Public School

RunNo.: LB137254

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1						
Bromide	mg/L	10	10	100	90-110	09/09/2025
Chloride	mg/L	3	3	100	90-110	09/09/2025
Fluoride	mg/L	2	2	100	90-110	09/09/2025
Nitrite	mg/L	3	3	100	90-110	09/09/2025
Nitrate	mg/L	2.5	2.5	100	90-110	09/09/2025
Sulfate	mg/L	14.8	15	99	90-110	09/09/2025
Orthophosphate as P	mg/L	5	5	100	90-110	09/09/2025
Sample ID: CCV1						
Bromide	mg/L	9.9	10	99	90-110	09/22/2025
Chloride	mg/L	2.9	3	97	90-110	09/22/2025
Fluoride	mg/L	2	2	100	90-110	09/22/2025
Nitrite	mg/L	2.9	3	97	90-110	09/22/2025
Nitrate	mg/L	2.4	2.5	96	90-110	09/22/2025
Sulfate	mg/L	14.6	15	97	90-110	09/22/2025
Orthophosphate as P	mg/L	4.9	5	98	90-110	09/22/2025
Sample ID: CCV2						
Bromide	mg/L	9.9	10	99	90-110	09/22/2025
Chloride	mg/L	2.9	3	97	90-110	09/22/2025
Fluoride	mg/L	2	2	100	90-110	09/22/2025
Nitrite	mg/L	2.9	3	97	90-110	09/22/2025
Nitrate	mg/L	2.4	2.5	96	90-110	09/22/2025
Sulfate	mg/L	14.6	15	97	90-110	09/22/2025
Orthophosphate as P	mg/L	5	5	100	90-110	09/22/2025

Initial and Continuing Calibration Verification

Client: Kleinfelder

SDG No.: Q3155

Project: Tanner G. Duckrey Public School

RunNo.: LB137261

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	09/22/2025
Sample ID: CCV1 Ammonia as N	mg/L	1	1	100	90-110	09/22/2025
Sample ID: CCV2 Ammonia as N	mg/L	1	1	100	90-110	09/22/2025
Sample ID: CCV3 Ammonia as N	mg/L	1	1	100	90-110	09/22/2025

Initial and Continuing Calibration Verification

Client: Kleinfelder

SDG No.: Q3155

Project: Tanner G. Duckrey Public School

RunNo.: LB137276

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV Hexavalent Chromium	mg/L	0.496	0.5	99	90-110	09/23/2025
Sample ID: CCV1 Hexavalent Chromium	mg/L	0.493	0.5	99	90-110	09/23/2025
Sample ID: CCV2 Hexavalent Chromium	mg/L	0.492	0.5	98	90-110	09/23/2025
Sample ID: CCV3 Hexavalent Chromium	mg/L	0.493	0.5	99	90-110	09/23/2025

Initial and Continuing Calibration Blank Summary

Client: Kleinfelder

SDG No.: Q3155

Project: Tanner G. Duckrey Public School

RunNo.: LB137254

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	09/09/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	09/09/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	09/09/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	09/09/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	09/09/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	09/09/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	09/09/2025
Sample ID: CCB1							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	09/22/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	09/22/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	09/22/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	09/22/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	09/22/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	09/22/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	09/22/2025
Sample ID: CCB2							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	09/22/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	09/22/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	09/22/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	09/22/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	09/22/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	09/22/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	09/22/2025

Initial and Continuing Calibration Blank Summary

Client: Kleinfelder

SDG No.: Q3155

Project: Tanner G. Duckrey Public School

RunNo.: LB137261

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	09/22/2025
Sample ID: CCB1 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	09/22/2025
Sample ID: CCB2 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	09/22/2025
Sample ID: CCB3 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.030	0.1	09/22/2025

Initial and Continuing Calibration Blank Summary

Client: Kleinfelder

SDG No.: Q3155

Project: Tanner G. Duckrey Public School

RunNo.: LB137276

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	09/23/2025
Sample ID: CCB1 Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	09/23/2025
Sample ID: CCB2 Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	09/23/2025
Sample ID: CCB3 Hexavalent Chromium	mg/L	< 0.0050	0.0050	U	0.0029	0.01	09/23/2025

Preparation Blank Summary

Client: Kleinfelder

SDG No.: Q3155

Project: Tanner G. Duckrey Public School

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: LB137254BLS							
Bromide	mg/Kg	< 20.0000	20.0000	U	7	40	09/22/2025
Chloride	mg/Kg	< 6.0000	6.0000	U	3.5	12	09/22/2025
Fluoride	mg/Kg	< 4.0000	4.0000	U	1.8	8	09/22/2025
Nitrite	mg/Kg	< 6.0000	6.0000	U	1.5	12	09/22/2025
Nitrate	mg/Kg	< 5.0000	5.0000	U	1.8	10	09/22/2025
Sulfate	mg/Kg	< 30.0000	30.0000	U	8.8	60	09/22/2025
Orthophosphate as P	mg/Kg	< 10.0000	10.0000	U	6.7	20	09/22/2025
Sample ID: PB169778BL							
Ammonia as N	mg/Kg	< 2.5000	2.5000	U	2.2	5	09/22/2025
Sample ID: PB169786BL							
Hexavalent Chromium	mg/Kg	< 0.2000	0.2000	U	0.07	0.4	09/23/2025

Matrix Spike Summary

Client:	Kleinfelder	SDG No.:	Q3155
Project:	Tanner G. Duckrey Public School	Sample ID:	Q3133-07
Client ID:	VNJ-210MS	Percent Solids for Spike Sample:	92.4

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	1350		0.075	U	1390	40	97		09/23/2025

Matrix Spike Summary

Client:	Kleinfelder	SDG No.:	Q3155
Project:	Tanner G. Duckrey Public School	Sample ID:	Q3133-07
Client ID:	VNJ-210MS	Percent Solids for Spike Sample:	92.4

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	41.3		0.075	U	43.3	2	95		09/23/2025

Matrix Spike Summary

Client:	Kleinfelder	SDG No.:	Q3155
Project:	Tanner G. Duckrey Public School	Sample ID:	Q3133-07
Client ID:	VNJ-210MS	Percent Solids for Spike Sample:	92.4

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	35.8		0.075	U	43.3	2	83		09/23/2025

Matrix Spike Summary

Client:	Kleinfelder	SDG No.:	Q3155
Project:	Tanner G. Duckrey Public School	Sample ID:	Q3155-01
Client ID:	COMP-1MS	Percent Solids for Spike Sample:	87.8

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	58.5		2.40	U	55.8	1	105		09/22/2025
Bromide	mg/Kg	80-120	223		8.00	U	230	1	97		09/22/2025
Chloride	mg/Kg	80-120	86.8		16.6		67.7	1	104		09/22/2025
Fluoride	mg/Kg	80-120	44.0		3.70	J	45.1	1	89		09/22/2025
Nitrite	mg/Kg	80-120	66.1		1.70	U	67.7	1	98		09/22/2025
Nitrate	mg/Kg	80-120	57.3		4.30	J	56.4	1	94		09/22/2025
Sulfate	mg/Kg	80-120	353		31.3	J	340	1	95		09/22/2025
Orthophosphate as P	mg/Kg	80-120	104		7.60	U	110	1	94		09/22/2025

Matrix Spike Summary

Client:	Kleinfelder	SDG No.:	Q3155
Project:	Tanner G. Duckrey Public School	Sample ID:	Q3155-01
Client ID:	COMP-1MSD	Percent Solids for Spike Sample:	87.8

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	57.6		2.40	U	56.4	1	102		09/22/2025
Bromide	mg/Kg	80-120	224		8.00	U	230	1	97		09/22/2025
Chloride	mg/Kg	80-120	86.9		16.6		68.1	1	103		09/22/2025
Fluoride	mg/Kg	80-120	44.9		3.70	J	45.4	1	91		09/22/2025
Nitrite	mg/Kg	80-120	66.4		1.70	U	68.1	1	98		09/22/2025
Nitrate	mg/Kg	80-120	57.6		4.30	J	56.7	1	94		09/22/2025
Sulfate	mg/Kg	80-120	354		31.3	J	340	1	95		09/22/2025
Orthophosphate as P	mg/Kg	80-120	109		7.60	U	110	1	99		09/22/2025

Duplicate Sample Summary

Client:	Kleinfelder	SDG No.:	Q3155
Project:	Tanner G. Duckrey Public School	Sample ID:	Q3133-07
Client ID:	VNJ-210DUP	Percent Solids for Spike Sample:	92.4

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Hexavalent Chromium	mg/Kg	+/-20	0.075	U	0.075	U	1	0		09/23/2025

Duplicate Sample Summary

Client: Kleinfelder	SDG No.: Q3155
Project: Tanner G. Duckrey Public School	Sample ID: Q3155-01
Client ID: COMP-1DUP	Percent Solids for Spike Sample: 87.8

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Ammonia as N	mg/Kg	+/-20	2.40	U	2.40	U	1	0		09/22/2025

Duplicate Sample Summary

Client: Kleinfelder	SDG No.: Q3155
Project: Tanner G. Duckrey Public School	Sample ID: Q3155-01
Client ID: COMP-1MSD	Percent Solids for Spike Sample: 87.8

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
Bromide	mg/Kg	+/-15	223		224		1	0		09/22/2025
Chloride	mg/Kg	+/-15	86.8		86.9		1	0		09/22/2025
Nitrite	mg/Kg	+/-15	66.1		66.4		1	0		09/22/2025
Sulfate	mg/Kg	+/-15	353		354		1	0		09/22/2025
Nitrate	mg/Kg	+/-15	57.3		57.6		1	1		09/22/2025
Fluoride	mg/Kg	+/-15	44.0		44.9		1	2		09/22/2025
Orthophosphate as P	mg/Kg	+/-15	104		109		1	5		09/22/2025
Ammonia as N	mg/Kg	+/-20	58.5		57.6		1	2		09/22/2025

Laboratory Control Sample Summary

Client: Kleinfelder

SDG No.: Q3155

Project: Tanner G. Duckrey Public School

Run No.: LB137254

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB137254BSS							
Bromide	mg/Kg	200	196		98	1	90-110	09/22/2025
Chloride	mg/Kg	60	57.8		96	1	90-110	09/22/2025
Fluoride	mg/Kg	40	39.2		98	1	90-110	09/22/2025
Nitrite	mg/Kg	60	58.4		97	1	90-110	09/22/2025
Nitrate	mg/Kg	50	47.6		95	1	90-110	09/22/2025
Sulfate	mg/Kg	300	290		97	1	90-110	09/22/2025
Orthophosphate as P	mg/Kg	100	99.2		99	1	90-110	09/22/2025

Laboratory Control Sample Summary

Client: Kleinfelder

SDG No.: Q3155

Project: Tanner G. Duckrey Public School

Run No.: LB137261

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	PB169778BS							
Ammonia as N	mg/Kg	50	48.6		97	1	90-110	09/22/2025

Laboratory Control Sample Summary

Client: Kleinfelder

SDG No.: Q3155

Project: Tanner G. Duckrey Public School

Run No.: LB137276

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	PB169786BS							
Hexavalent Chromium	mg/Kg	20	19.8		99	1	84-110	09/23/2025



RAW DATA

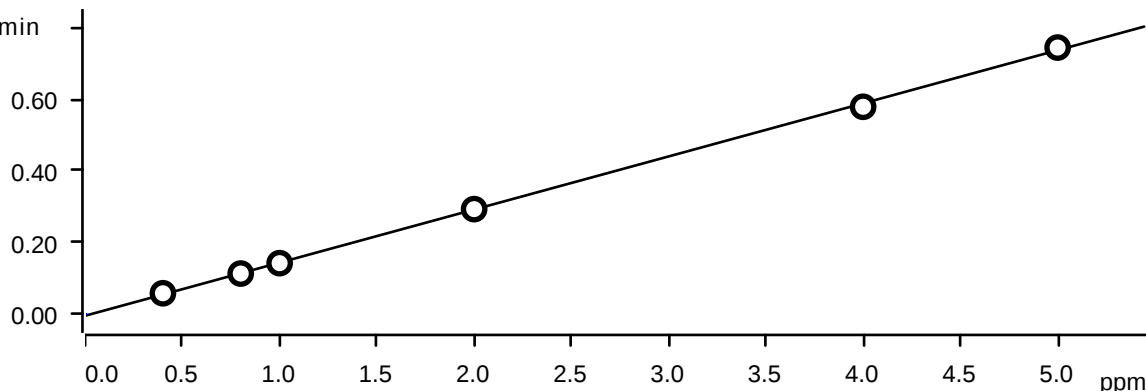
Instrument IC-1		Analyst: RM		Method: 300.0 / 9056A					
Ident	Con F-	Con CL-	Con NO2	Con BR-	Con NO3	Con HPO4	Con SO4	Method nar date time	Initial wt/Final Analyst
STD1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	IC1-090925 9/9/2025 10:21	10 RM/IZ
STD2	0.423	0.641	0.632	2.091	0.529	1.063	3.237	IC1-090925 9/9/2025 10:42	10 RM/IZ
STD3	0.794	1.189	1.197	3.984	0.997	2.006	6.010	IC1-090925 9/9/2025 11:25	10 RM/IZ
STD4	0.990	1.475	1.473	4.920	1.228	2.461	7.371	IC1-090925 9/9/2025 11:47	10 RM/IZ
STD5	2.008	3.012	3.027	10.105	2.514	4.978	15.047	IC1-090925 9/9/2025 13:36	10 RM/IZ
STD6	3.935	5.921	5.894	19.658	4.924	9.905	29.203	IC1-090925 9/9/2025 13:58	10 RM/IZ
STD7	5.050	7.561	7.577	25.243	6.308	12.587	37.633	IC1-090925 9/9/2025 14:41	10 RM/IZ
ICV	2.001	2.995	2.988	9.985	2.483	5.041	14.797	IC1-090925 9/9/2025 15:02	10 RM/IZ
ICB	0.000	0.063	0.000	0.000	0.000	0.000	0.000	IC1-090925 9/9/2025 15:45	10 RM/IZ
CCV	1.964	2.905	2.927	9.879	2.391	4.942	14.559	IC1-090925 9/22/2025 9:05	10 RM/IZ
CCB	0.000	0.000	0.000	0.000	0.066	0.000	0.451	IC1-090925 9/22/2025 9:27	10 RM/IZ
LB137254BLS	0.000	0.000	0.000	0.000	0.000	0.000	0.000	IC1-090925 9/22/2025 9:48	5.00g/100mL RM/IZ
LB137254BSS	1.961	2.890	2.921	9.814	2.382	4.960	14.489	IC1-090925 9/22/2025 10:10	5.00g/100mL RM/IZ
Q3155-01	0.163	0.733	0.000	0.000	0.188	0.000	1.380	IC1-090925 9/22/2025 10:31	5.02g/100mL RM/IZ
Q3155-01MS	1.952	3.848	2.929	9.885	2.540	4.625	15.641	IC1-090925 9/22/2025 10:53	5.05g/100mL RM/IZ
Q3155-01MSD	1.980	3.830	2.925	9.876	2.538	4.789	15.588	IC1-090925 9/22/2025 11:14	5.02g/100mL RM/IZ
Q3155-02	0.148	0.196	0.000	0.000	0.099	0.000	0.958	IC1-090925 9/22/2025 11:36	5.04g/100mL RM/IZ
Q3155-03	0.135	0.199	0.000	0.000	0.078	0.148	0.827	IC1-090925 9/22/2025 11:57	5.02g/100mL RM/IZ
CCV	1.984	2.901	2.942	9.857	2.392	4.999	14.560	IC1-090925 9/22/2025 12:19	10 RM/IZ
CCB	0.000	0.000	0.000	0.000	0.000	0.000	0.449	IC1-090925 9/22/2025 12:41	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	concentratio n 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	IC1-090925	9/9/2025 10:21	10	RM/IZ
STD2	0.4230	0.6410	0.6320	2.0910	0.5290	1.0630	3.2370	IC1-090925	9/9/2025 10:42	10	RM/IZ
STD3	0.7940	1.1890	1.1970	3.9840	0.9970	2.0060	6.0100	IC1-090925	9/9/2025 11:25	10	RM/IZ
STD4	0.9900	1.4750	1.4730	4.9200	1.2280	2.4610	7.3710	IC1-090925	9/9/2025 11:47	10	RM/IZ
STD5	2.0080	3.0120	3.0270	10.1050	2.5140	4.9780	15.0470	IC1-090925	9/9/2025 13:36	10	RM/IZ
STD6	3.9350	5.9210	5.8940	19.6580	4.9240	9.9050	29.2030	IC1-090925	9/9/2025 13:58	10	RM/IZ
STD7	5.0500	7.5610	7.5770	25.2430	6.3080	12.5870	37.6330	IC1-090925	9/9/2025 14:41	10	RM/IZ
ident	True Value F-	True Value CL-	True Value NO2	True Value BR-	True Value NO3	True Value HPO4	True Value SO4				
STD1	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000				
STD2	0.4000	0.6000	0.6000	2.0000	0.5000	1.0000	3.0000				
STD3	0.8000	1.2000	1.2000	4.0000	1.0000	2.0000	6.0000				
STD4	1.0000	1.5000	1.5000	5.0000	1.2500	2.5000	7.5000				
STD5	2.0000	3.0000	3.0000	10.0000	2.5000	5.0000	15.0000				
STD6	4.0000	6.0000	6.0000	20.0000	5.0000	10.0000	30.0000				
STD7	5.0000	7.5000	7.5000	25.0000	6.2500	12.5000	37.0000				
ident	Relative Error F-	Relative Error CL-	Relative Error NO2	Relative Error BR-	Relative Error NO3	Relative Error HPO4	Relative Error SO4				
STD1											
STD2	5.7500	6.8333	5.3333	4.5500	5.8000	6.3000	7.9000				
STD3	-0.7500	-0.9167	-0.2500	-0.4000	-0.3000	0.3000	0.1667				
STD4	-1.0000	-1.6667	-1.8000	-1.6000	-1.7600	-1.5600	-1.7200				
STD5	0.4000	0.4000	0.9000	1.0500	0.5600	-0.4400	0.3133				
STD6	-1.6250	-1.3167	-1.7667	-1.7100	-1.5200	-0.9500	-2.6567				
STD7	1.0000	0.8133	1.0267	0.9720	0.9280	0.6960	1.7108				

Fluoride (Anions)

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



Function: $A = -3.91674\text{E-}3 + 0.0148053 \times Q$

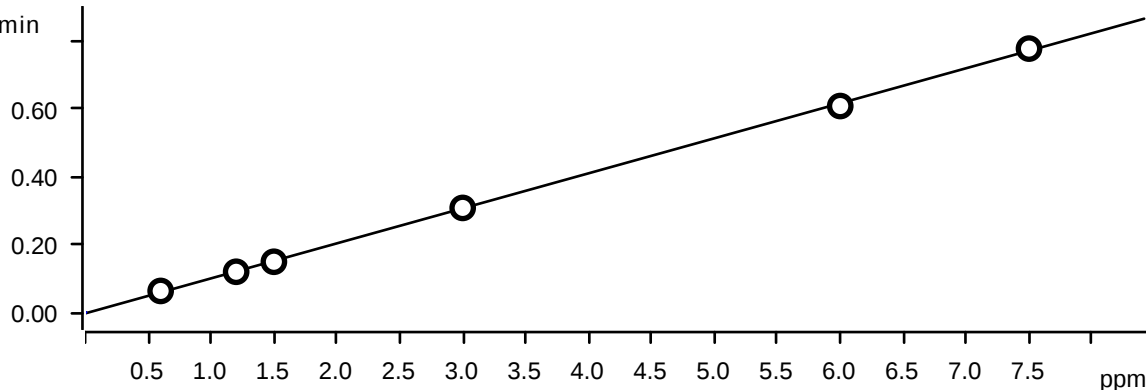
Relative standard deviation 1.985504 %

Correlation coefficient 0.999790

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

Chloride (Anions)

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

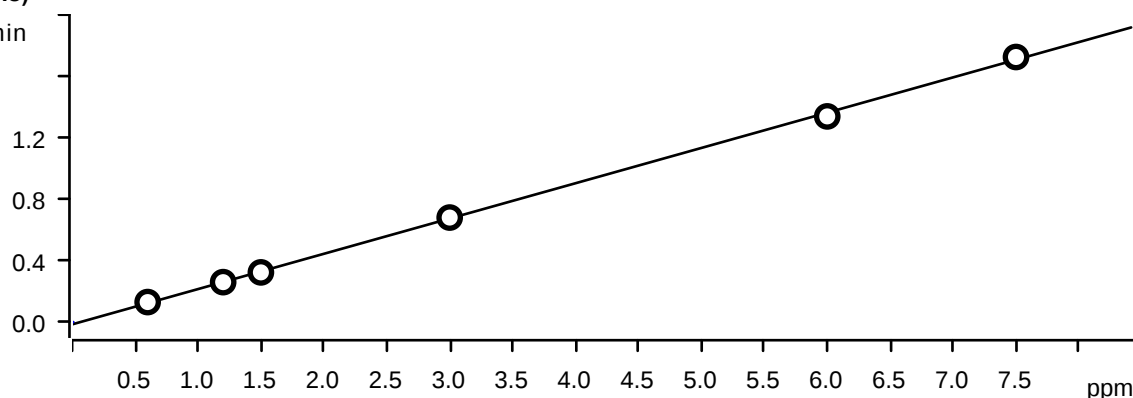


Function: $A = -2.97735\text{E-}3 + 0.0103068 \times Q$

Relative standard deviation 1.712968 %

Correlation coefficient 0.999843

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

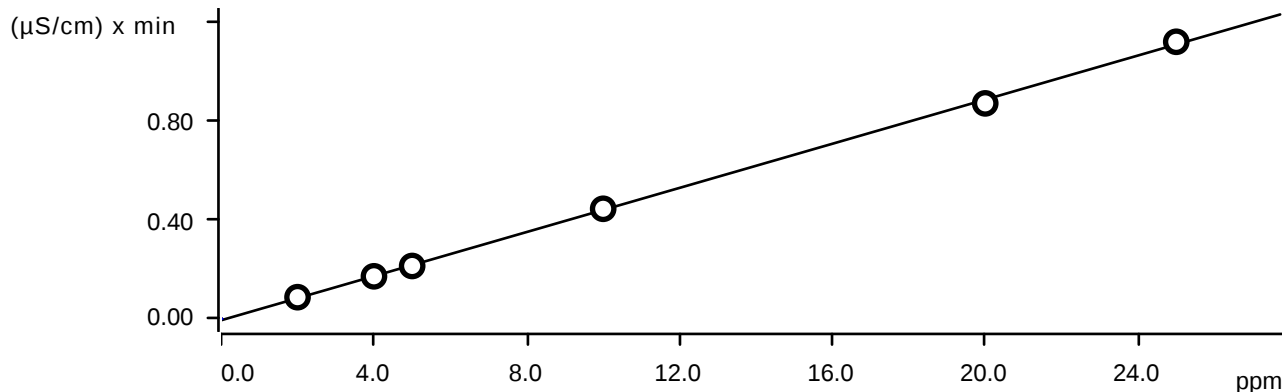
Nitrite (Anions) $(\mu\text{S/cm}) \times \text{min}$ Function: $A = -0.0143669 + 0.0229543 \times Q$

Relative standard deviation 2.170764 %

Correlation coefficient 0.999753

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

Bromide (Anions)



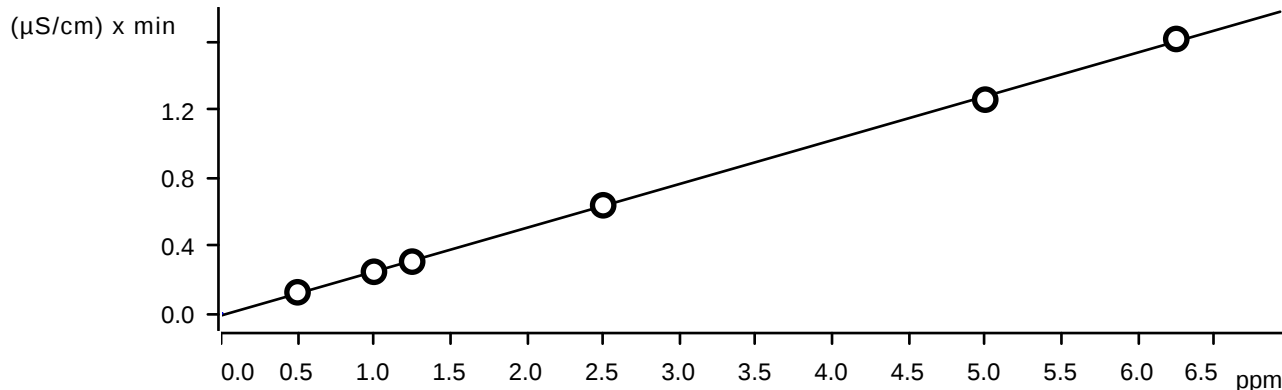
Function: $A = - 5.68247E-3 + 4.44287E-3 \times Q$

Relative standard deviation 2.066849 %

Correlation coefficient 0.999773

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

Nitrate (Anions)

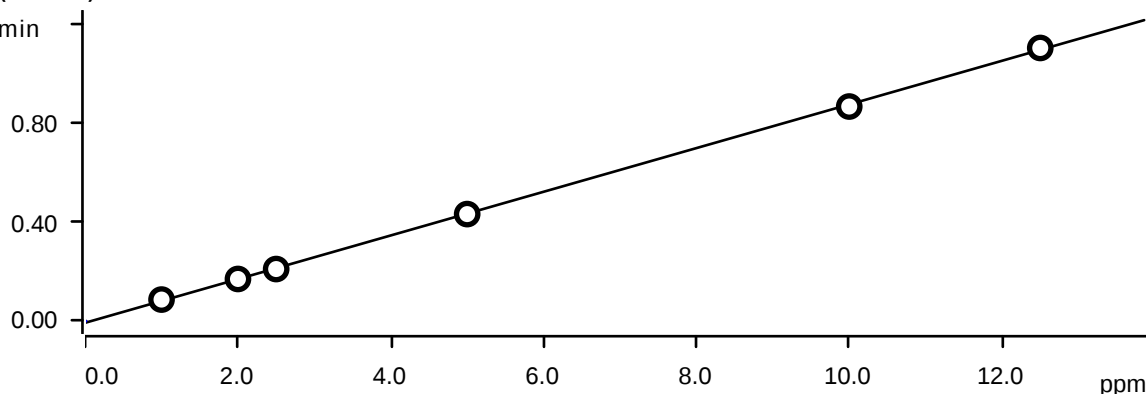


Function: $A = - 0.0122982 + 0.0258010 \times Q$

Relative standard deviation 1.914251 %

Correlation coefficient 0.999807

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

Phosphate (Anions) $(\mu\text{S}/\text{cm}) \times \text{min}$ Function: $A = -6.72192E-3 + 8.79335E-3 \times Q$

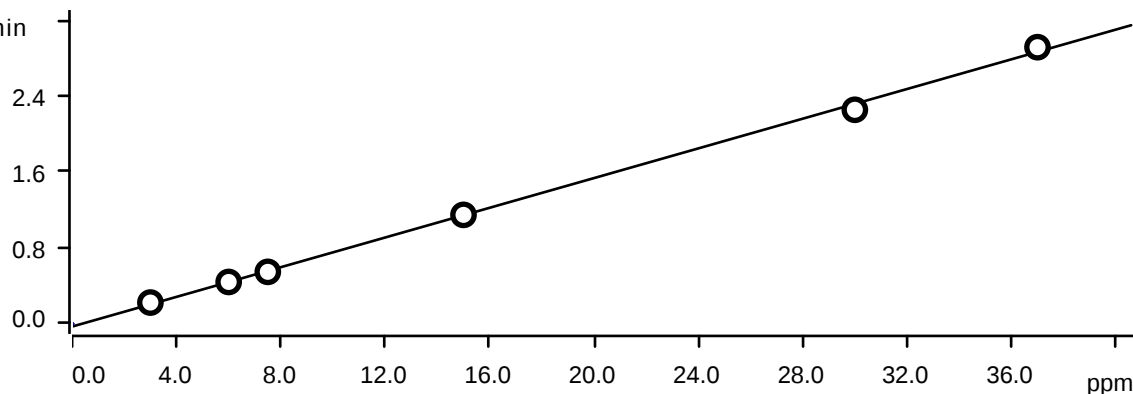
Relative standard deviation 1.384046 %

Correlation coefficient 0.999898

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

Sulfate (Anions)

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



Function: $A = -0.0295615 + 7.81954E-3 \times Q$

Relative standard deviation 3.285067 %

Correlation coefficient 0.999433

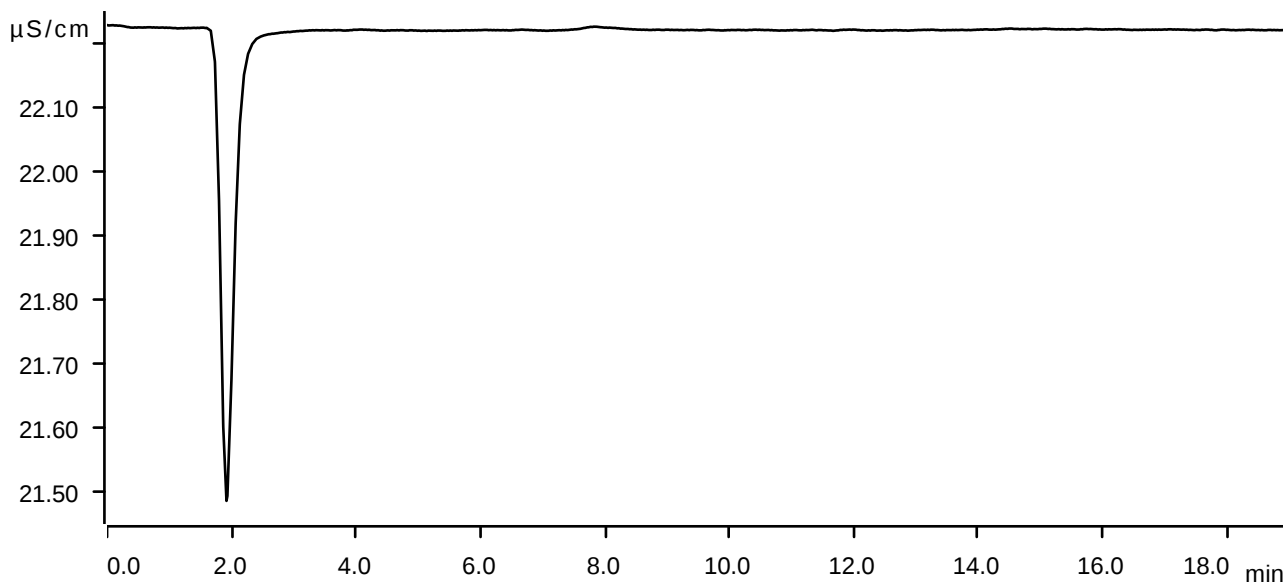
Sample type	Index	Conc.	Volume	Dilution	Sample amount	Area	Ident	Date	Used
Standard 1	1	0.000	10.0	1.0	1.0	n. d.	STD1	2025-09-09 10:21:26 UTC-4	used
Standard 2	1	3.000	10.0	1.0	1.0	0.224	STD2	2025-09-09 10:42:49 UTC-4	used
Standard 3	1	6.000	10.0	1.0	1.0	0.440	STD3	2025-09-09 11:25:44 UTC-4	used
Standard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

Sample data

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

Anions

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

Anions

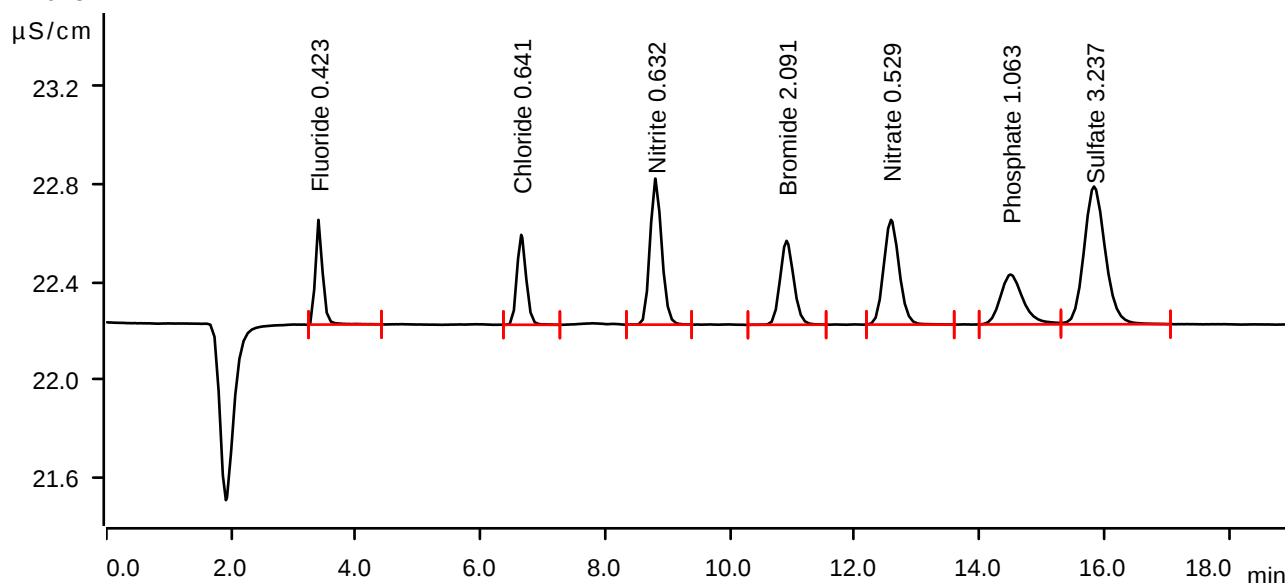
Sample data

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

Anions

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

Anions



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

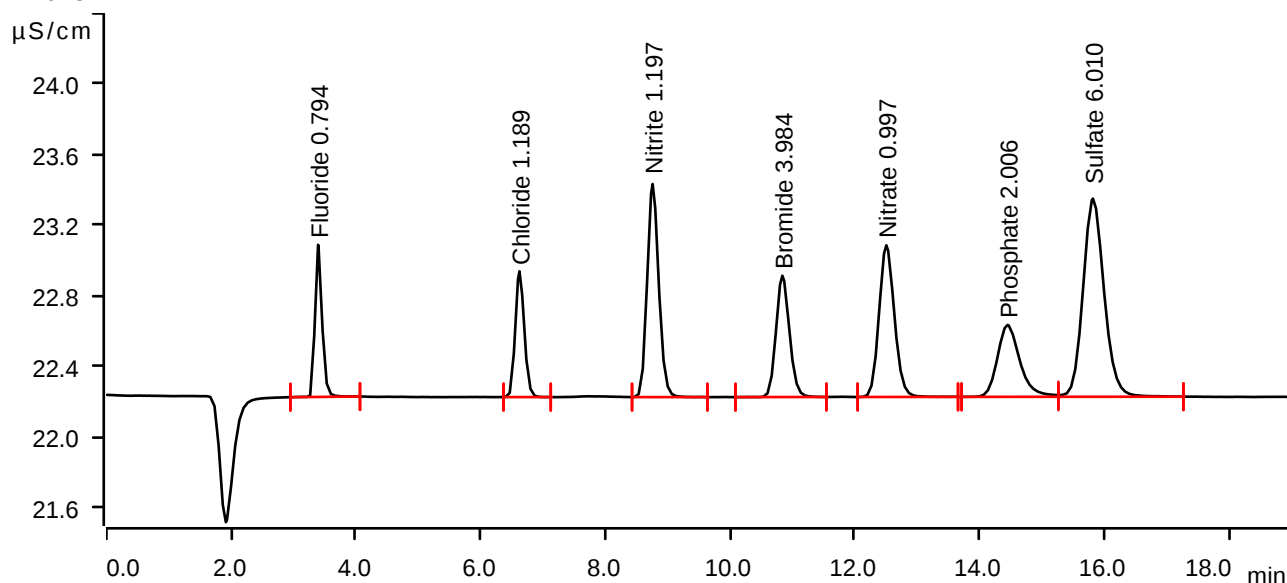
Sample data

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

Anions

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

Anions



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

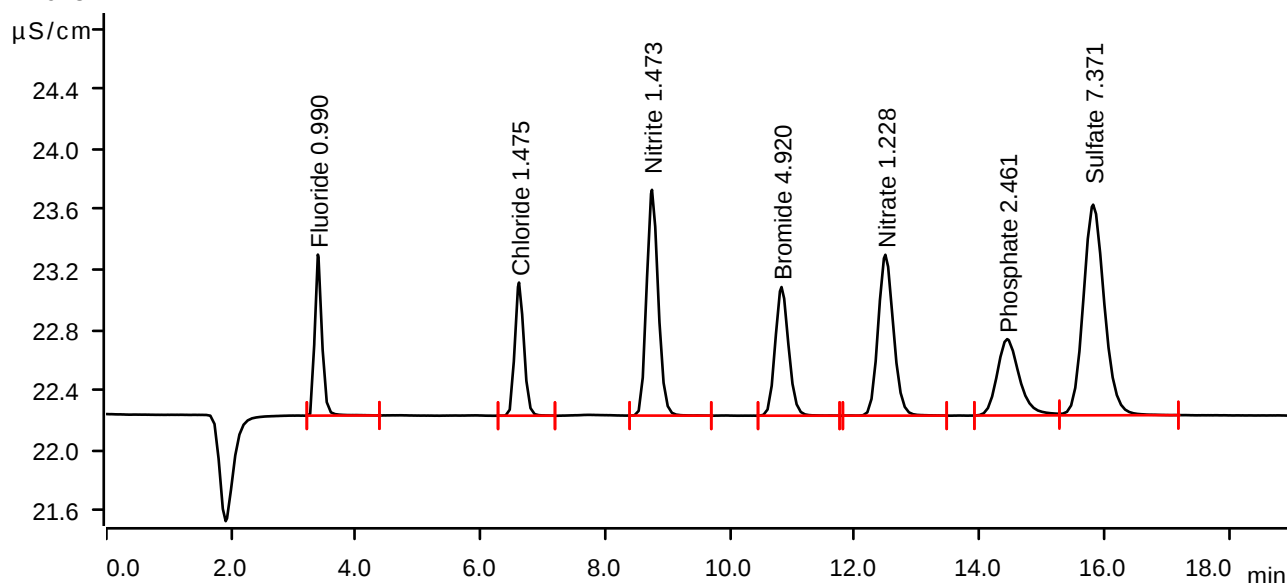
Sample data

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

Anions

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

Anions



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

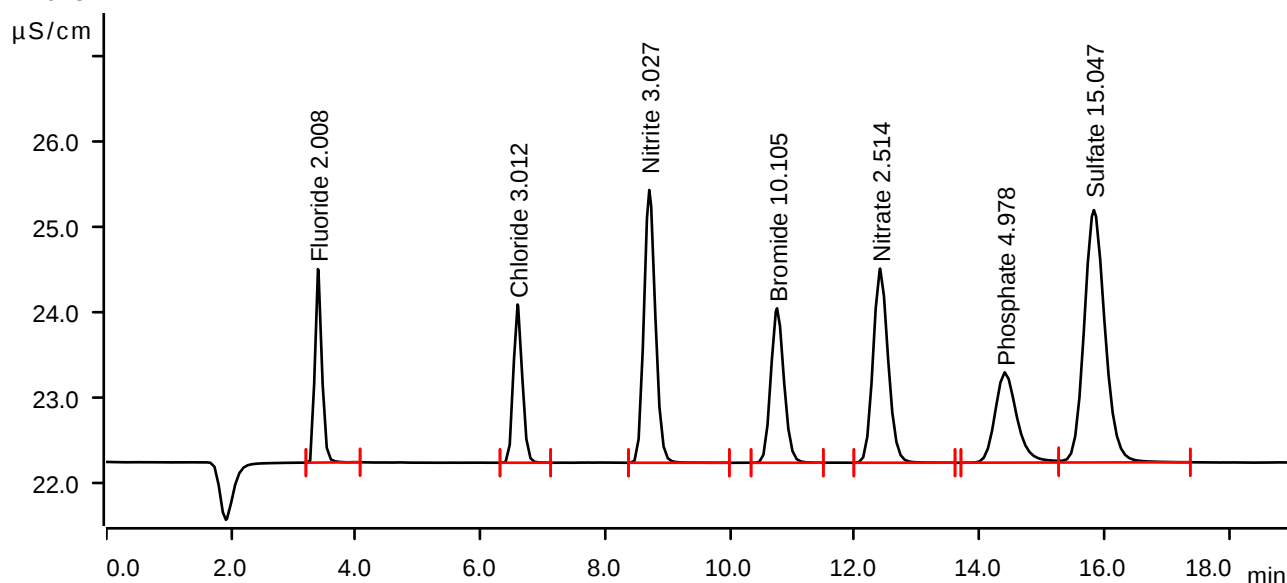
Sample data

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

Anions

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

Anions



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

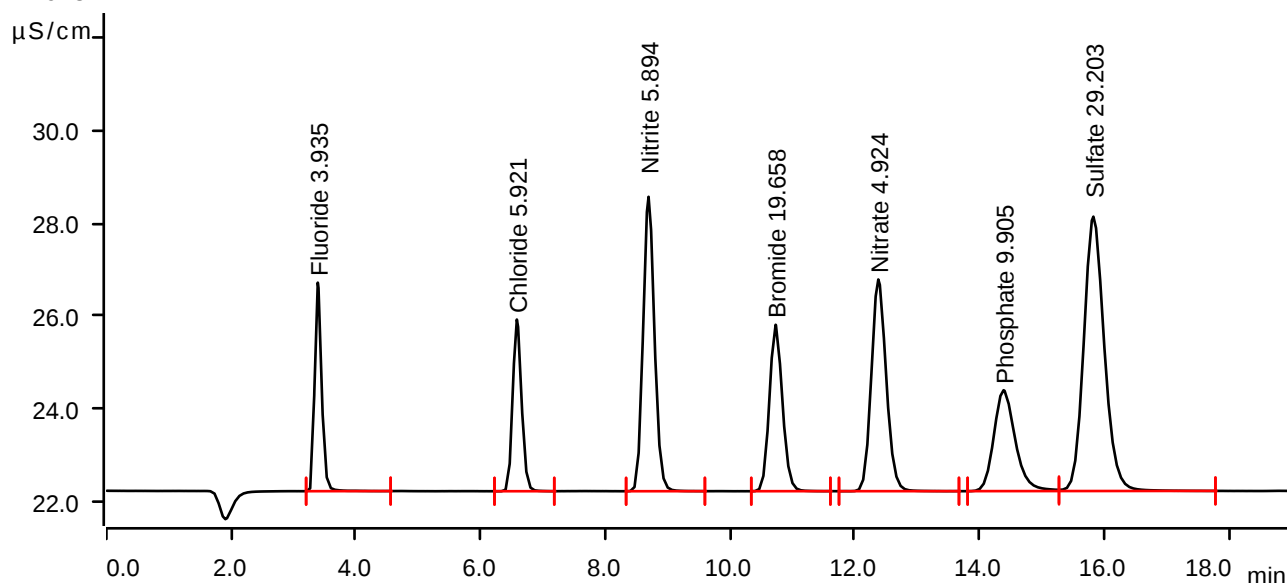
Sample data

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

Anions

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

Anions



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

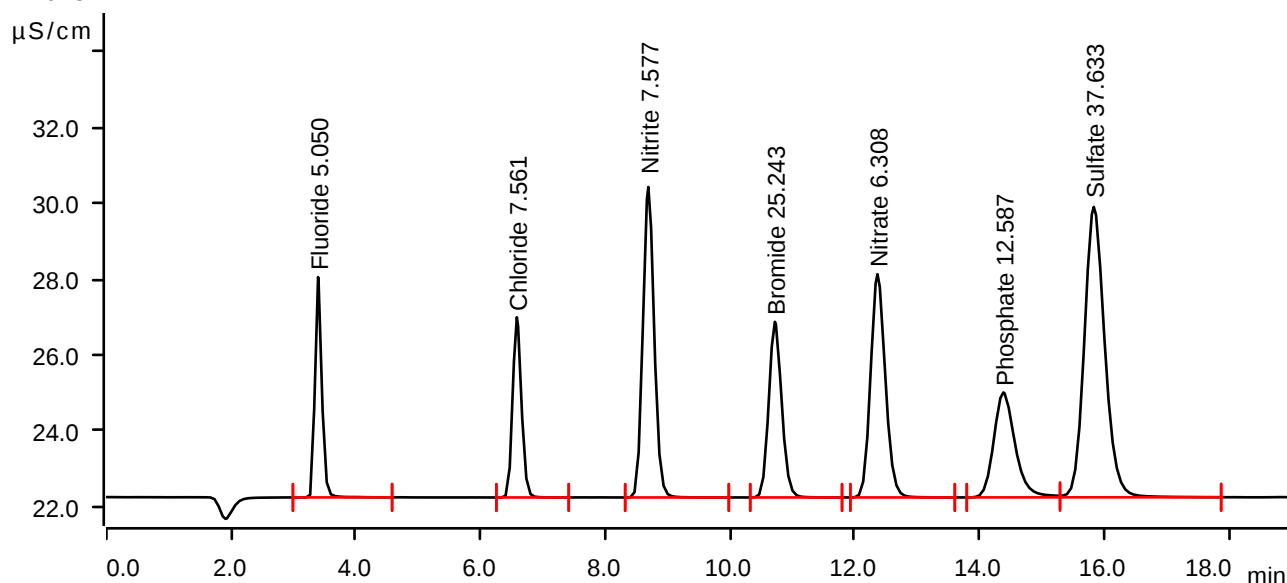
Sample data

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

Anions

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

Anions



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

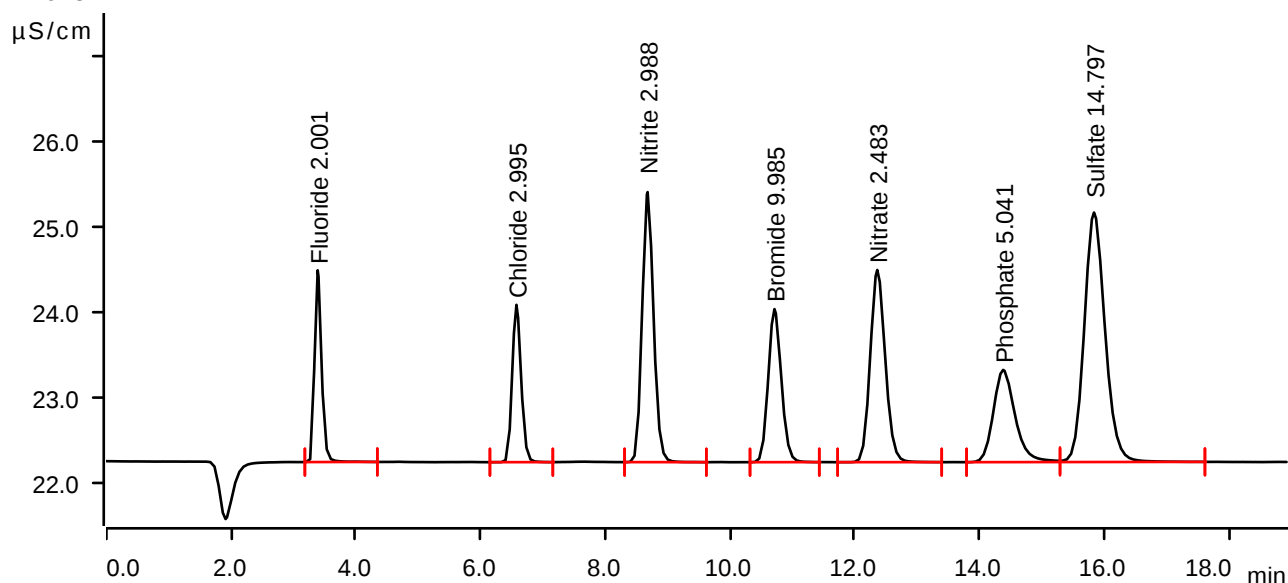
Sample data

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

Anions

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

Anions



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

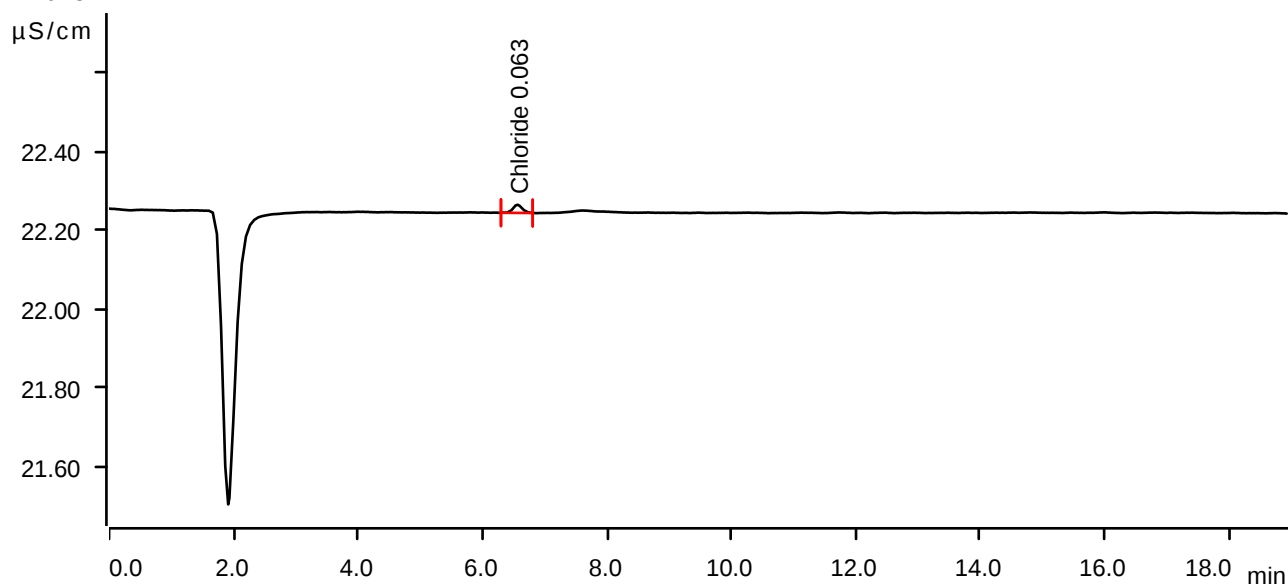
Sample data

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

Anions

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

Anions



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

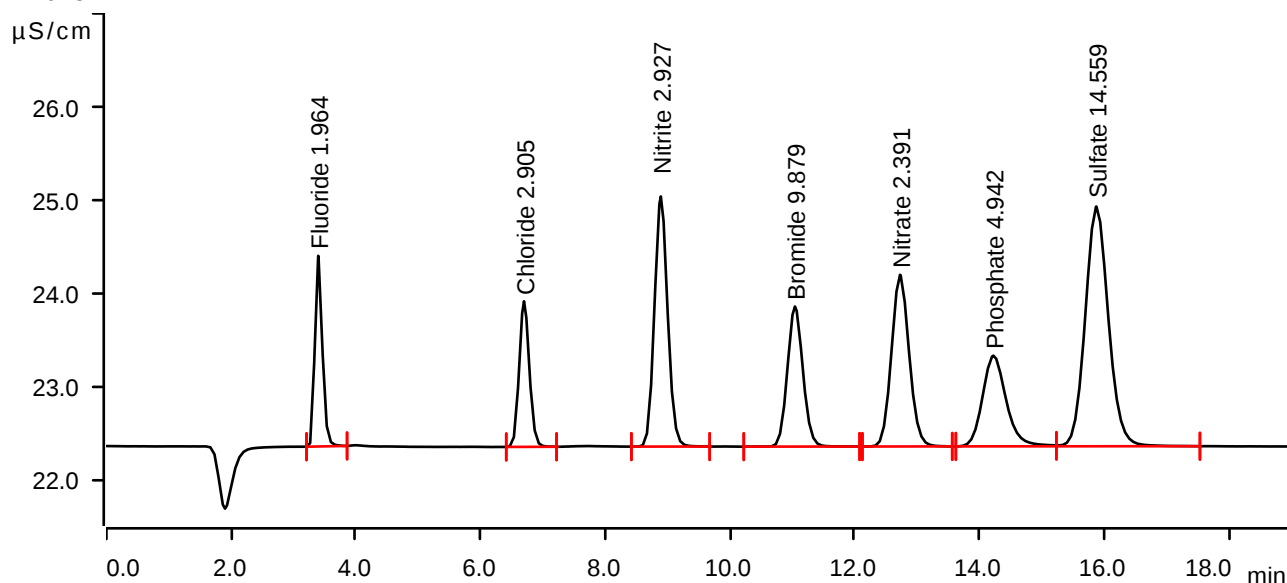
Sample data

Ident CCV
Sample type Check standard 1
Determination start 2025-09-22 09:05:32 UTC-4
Method IC1-090925
Operator

Anions

Data source Conductivity detector 1 (Eco IC 1)
Channel Conductivity
Recording time 19.0 min
Integration Automatically
Column type Metrosep A Supp 19 - 150/4.0
Eluent composition not defined
Flow 0.700 mL/min
Maximum flow monitored yes
Pressure 13.40 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	3.397	0.2869	2.048	1.964	Fluoride
2	6.697	0.2965	1.563	2.905	Chloride
3	8.890	0.6576	2.686	2.927	Nitrite
4	11.040	0.4332	1.504	9.879	Bromide
5	12.725	0.6047	1.844	2.391	Nitrate
6	14.222	0.4279	0.974	4.942	Phosphate
7	15.873	1.1089	2.575	14.559	Sulfate

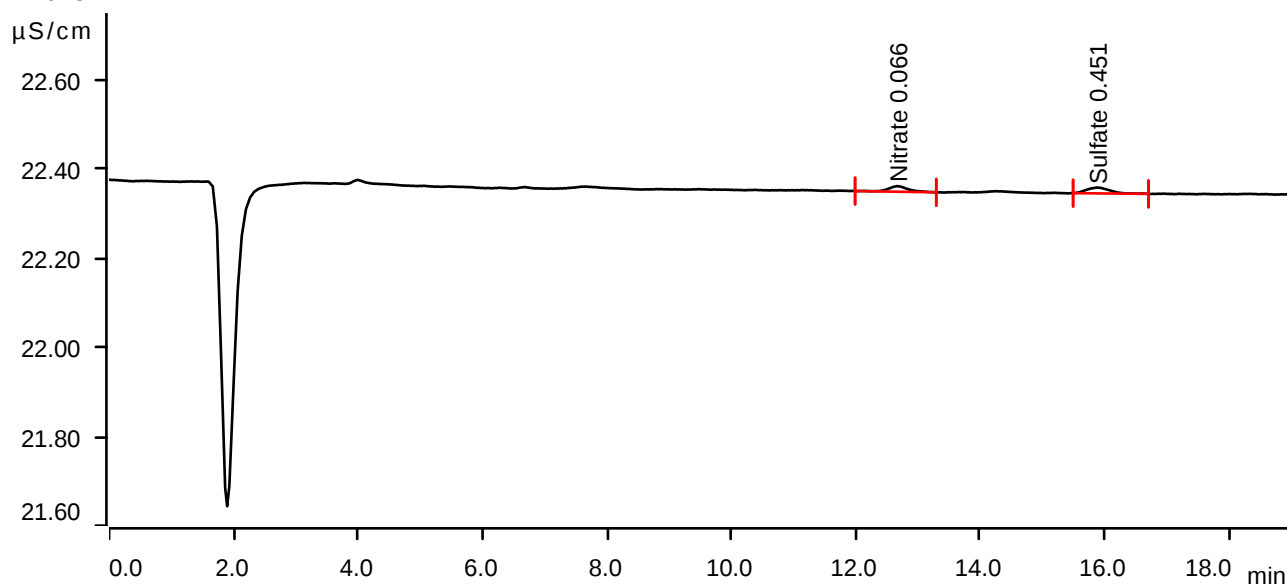
Sample data

Ident CCB
Sample type Sample
Determination start 2025-09-22 09:27:03 UTC-4
Method IC1-090925
Operator

Anions

Data source Conductivity detector 1 (Eco IC 1)
Channel Conductivity
Recording time 19.0 min
Integration Automatically
Column type Metrosep A Supp 19 - 150/4.0
Eluent composition not defined
Flow 0.700 mL/min
Maximum flow monitored yes
Pressure 13.23 MPa
Maximum pressure monitored yes
Temperature ---- °C

Anions



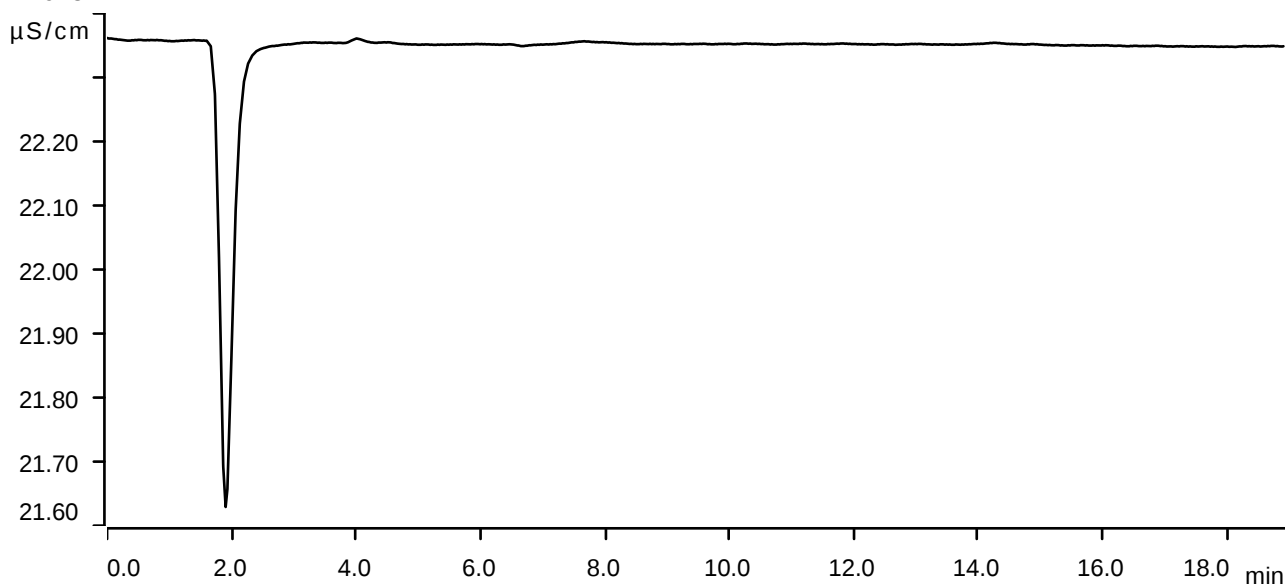
Peak number	Retention time min	Area (µS/cm) x min	Height µS/cm	Concentration ppm	Component name
1	12.663	0.0046	0.013	0.066	Nitrate
2	15.872	0.0057	0.013	0.451	Sulfate

Sample data

Ident LB137254BLS
Sample type Sample
Determination start 2025-09-22 09:48:34 UTC-4
Method IC1-090925
Operator

Anions

Data source Conductivity detector 1 (Eco IC 1)
Channel Conductivity
Recording time 19.0 min
Integration Automatically
Column type Metrosep A Supp 19 - 150/4.0
Eluent composition not defined
Flow 0.700 mL/min
Maximum flow monitored yes
Pressure 13.12 MPa
Maximum pressure monitored yes
Temperature ---- °C

Anions

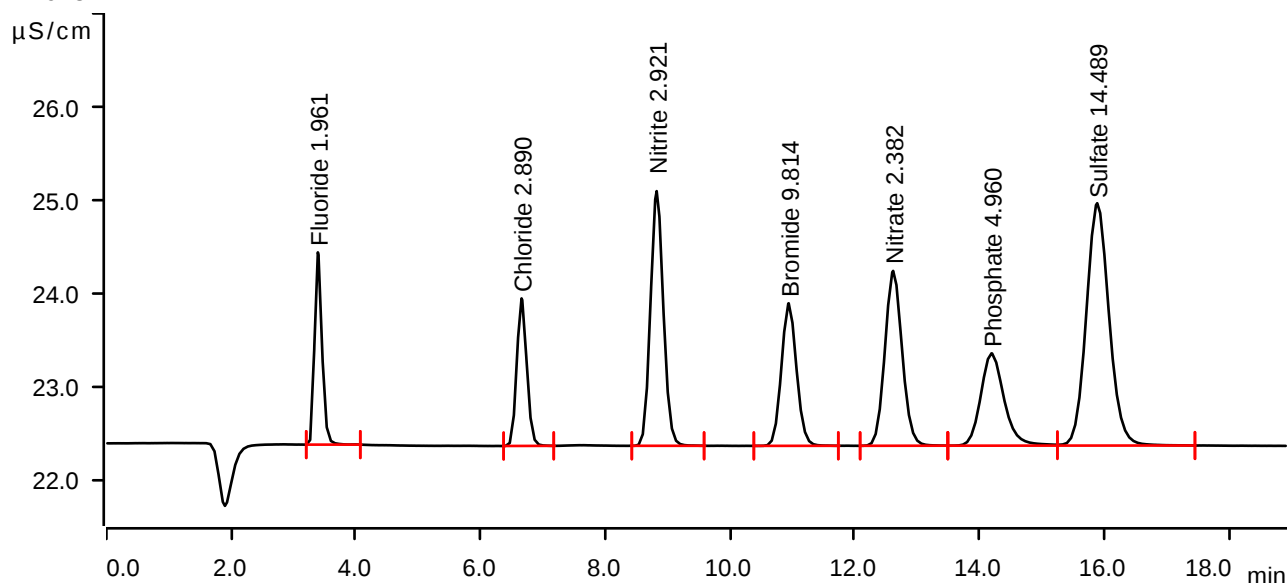
Sample data

Ident LB137254BSS
Sample type Check standard 1
Determination start 2025-09-22 10:10:06 UTC-4
Method IC1-090925
Operator

Anions

Data source Conductivity detector 1 (Eco IC 1)
Channel Conductivity
Recording time 19.0 min
Integration Automatically
Column type Metrosep A Supp 19 - 150/4.0
Eluent composition not defined
Flow 0.700 mL/min
Maximum flow monitored yes
Pressure 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	3.392	0.2863	2.064	1.961	Fluoride
2	6.657	0.2948	1.584	2.890	Chloride
3	8.823	0.6562	2.735	2.921	Nitrite
4	10.940	0.4304	1.531	9.814	Bromide
5	12.615	0.6023	1.878	2.382	Nitrate
6	14.192	0.4295	0.992	4.960	Phosphate
7	15.887	1.1034	2.602	14.489	Sulfate

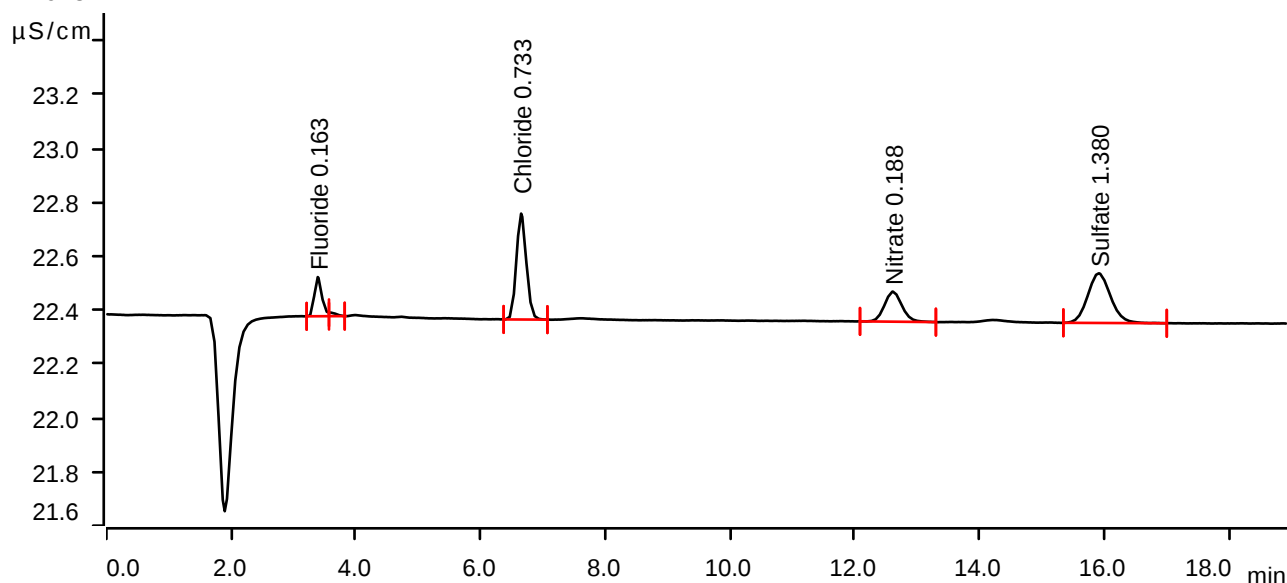
Sample data

Ident Q3155-01
Sample type Sample
Determination start 2025-09-22 10:31:39 UTC-4
Method IC1-090925
Operator

Anions

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

Anions



Peak number	Retention time min	Area (µS/cm) x min	Height µS/cm	Concentration ppm	Component name
1	3.390	0.0201	0.145	0.163	Fluoride
2	3.593	0.0017	0.013	invalid	
3	6.650	0.0726	0.393	0.733	Chloride
4	12.610	0.0362	0.112	0.188	Nitrate
5	15.913	0.0784	0.184	1.380	Sulfate

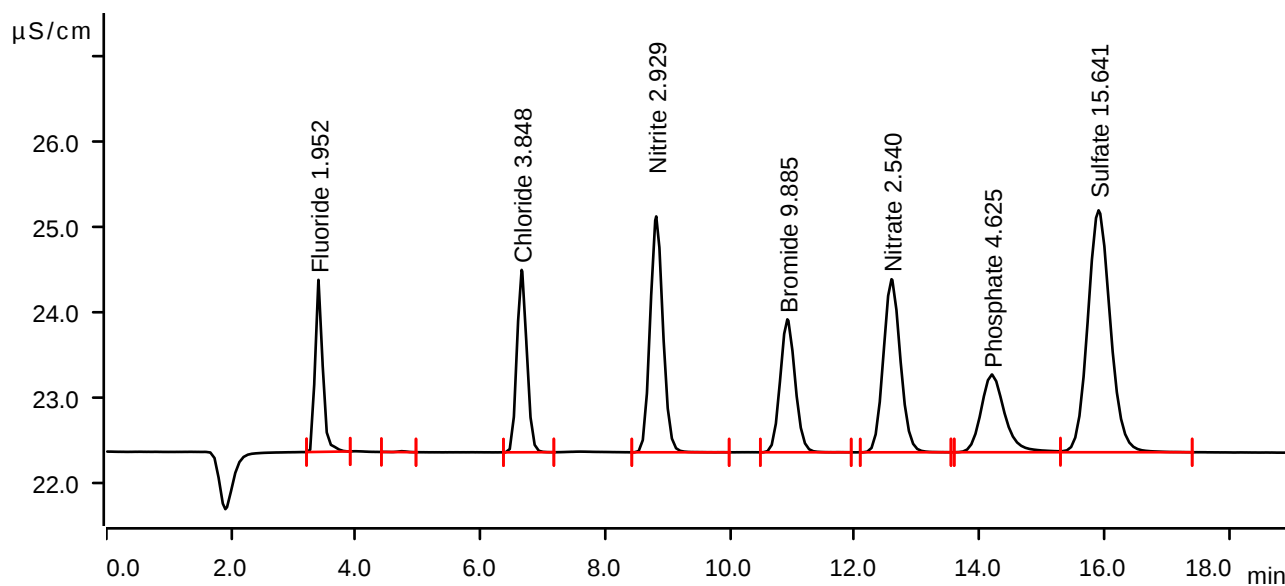
Sample data

Ident Q3155-01MS
Sample type Sample
Determination start 2025-09-22 10:53:12 UTC-4
Method IC1-090925
Operator

Anions

Data source Conductivity detector 1 (Eco IC 1)
Channel Conductivity
Recording time 19.0 min
Integration Automatically
Column type Metrosep A Supp 19 - 150/4.0
Eluent composition not defined
Flow 0.700 mL/min
Maximum flow monitored yes
Pressure 13.12 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	3.400	0.2851	2.015	1.952	Fluoride
2	4.735	0.0018	0.011	invalid	
3	6.658	0.3936	2.136	3.848	Chloride
4	8.817	0.6580	2.763	2.929	Nitrite
5	10.918	0.4335	1.557	9.885	Bromide
6	12.588	0.6431	2.027	2.540	Nitrate
7	14.197	0.4000	0.911	4.625	Phosphate
8	15.908	1.1935	2.834	15.641	Sulfate

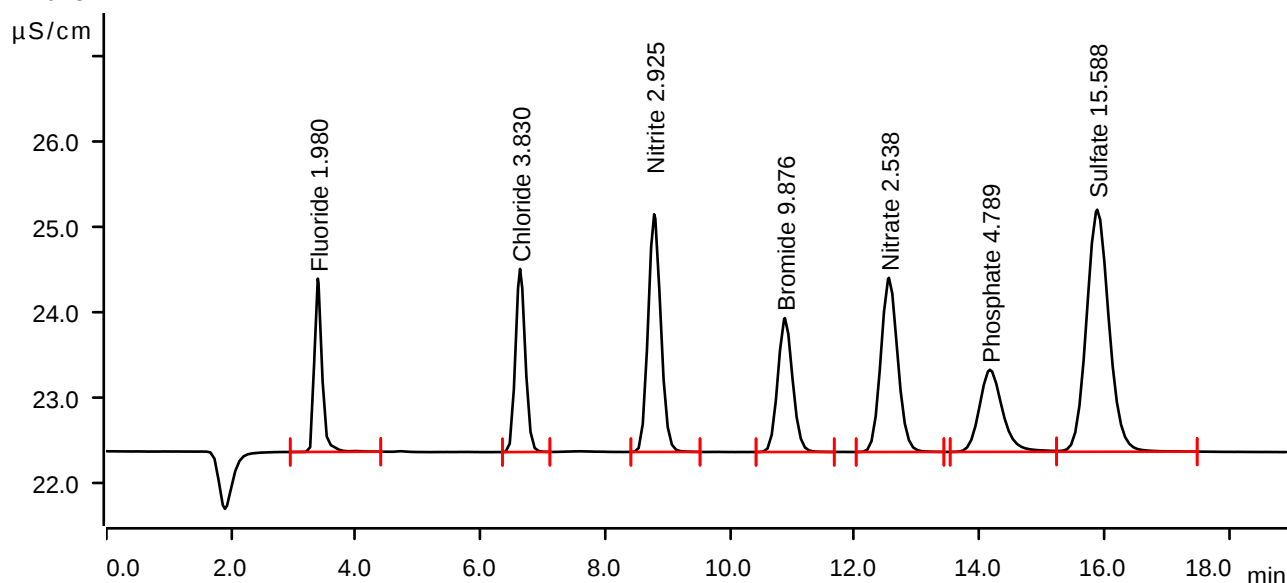
Sample data

Ident Q3155-01MSD
Sample type Sample
Determination start 2025-09-22 11:14:47 UTC-4
Method IC1-090925
Operator

Anions

Data source Conductivity detector 1 (Eco IC 1)
Channel Conductivity
Recording time 19.0 min
Integration Automatically
Column type Metrosep A Supp 19 - 150/4.0
Eluent composition not defined
Flow 0.700 mL/min
Maximum flow monitored yes
Pressure 13.12 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	0.2892	2.029	1.980	Fluoride
2	6.633	0.3918	2.146	3.830	Chloride
3	8.783	0.6571	2.783	2.925	Nitrite
4	10.880	0.4331	1.568	9.876	Bromide
5	12.547	0.6425	2.040	2.538	Nitrate
6	14.167	0.4144	0.962	4.789	Phosphate
7	15.887	1.1893	2.835	15.588	Sulfate

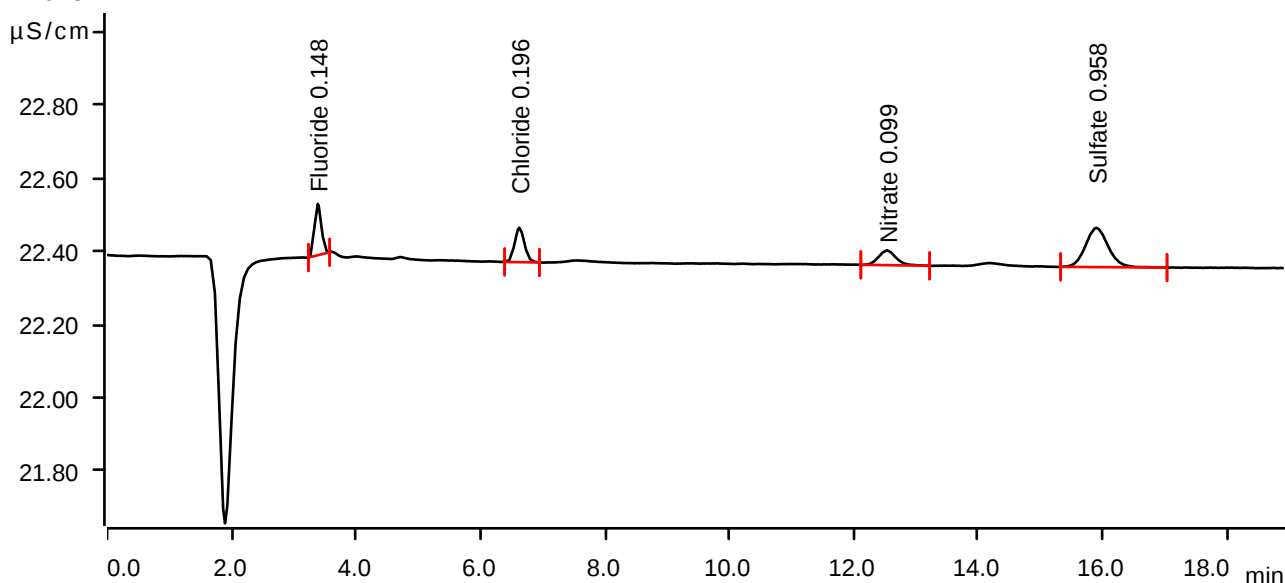
Sample data

Ident Q3155-02
Sample type Sample
Determination start 2025-09-22 11:36:24 UTC-4
Method IC1-090925
Operator

Anions

Data source Conductivity detector 1 (Eco IC 1)
Channel Conductivity
Recording time 19.0 min
Integration Automatically
Column type Metrosep A Supp 19 - 150/4.0
Eluent composition not defined
Flow 0.700 mL/min
Maximum flow monitored yes
Pressure 12.84 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	3.387	0.0180	0.141	0.148	Fluoride
2	6.625	0.0172	0.094	0.196	Chloride
3	12.535	0.0131	0.041	0.099	Nitrate
4	15.898	0.0453	0.107	0.958	Sulfate

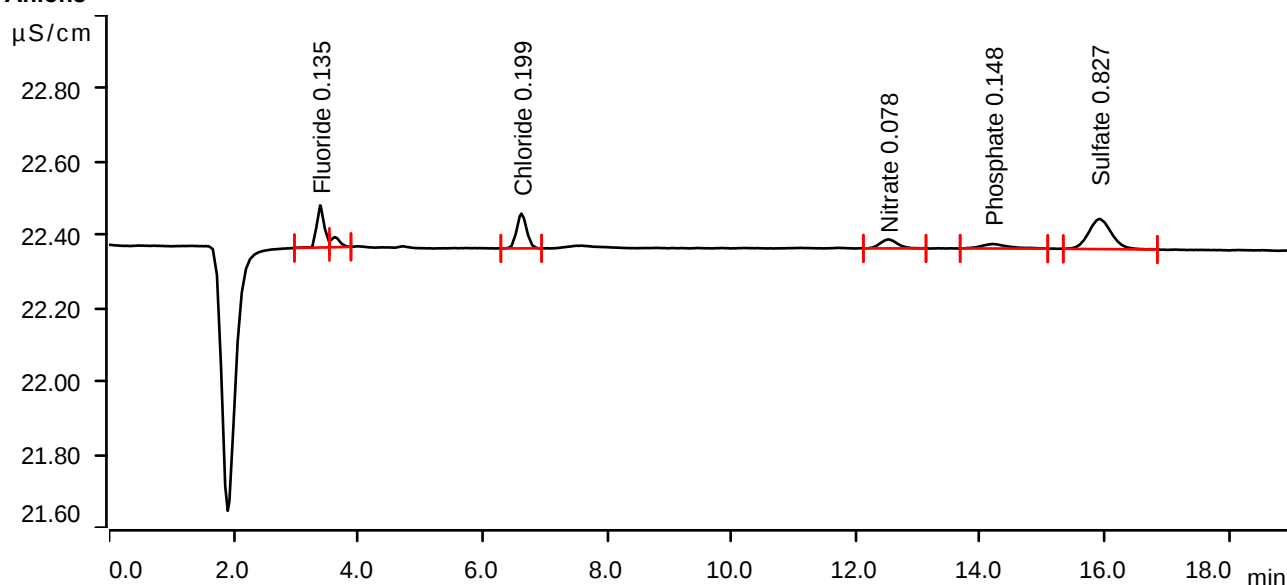
Sample data

Ident Q3155-03
Sample type Sample
Determination start 2025-09-22 11:57:59 UTC-4
Method IC1-090925
Operator

Anions

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

Anions



Peak number	Retention time min	Area (µS/cm) x min	Height µS/cm	Concentration ppm	Component name
1	3.393	0.0160	0.115	0.135	Fluoride
2	3.628	0.0045	0.028	invalid	
3	6.627	0.0175	0.095	0.199	Chloride
4	12.538	0.0079	0.024	0.078	Nitrate
5	14.202	0.0063	0.012	0.148	Phosphate
6	15.912	0.0351	0.082	0.827	Sulfate

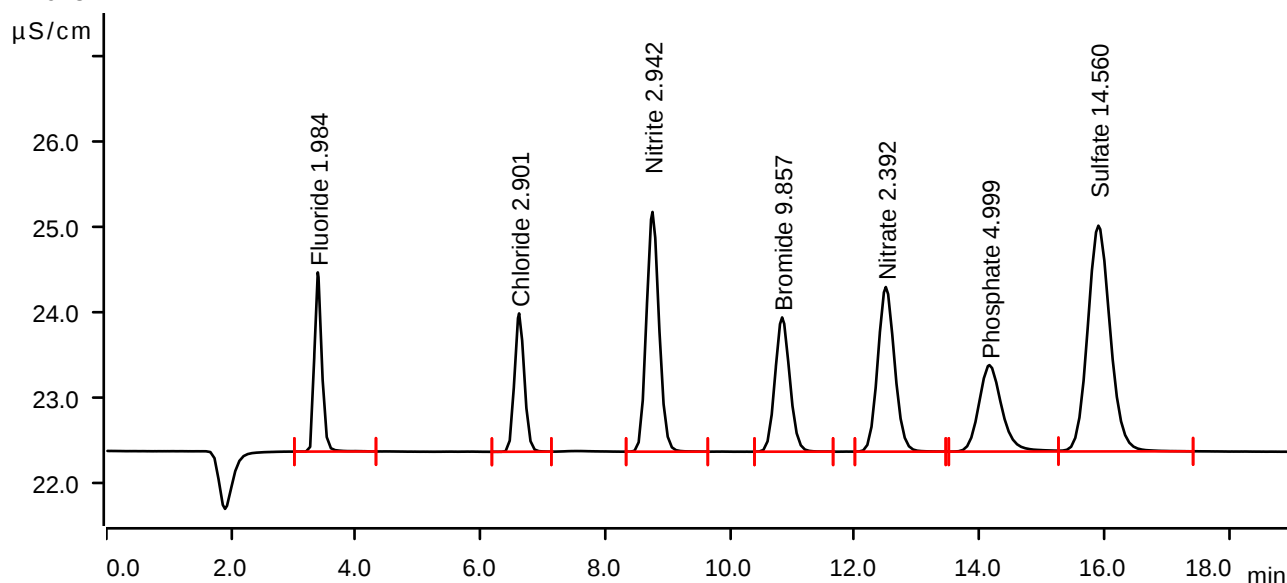
Sample data

Ident CCV
Sample type Check standard 1
Determination start 2025-09-22 12:19:34 UTC-4
Method IC1-090925
Operator

Anions

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

Anions



Peak number	Retention time min	Area (µS/cm) x min	Height µS/cm	Concentration ppm	Component name
1	3.390	0.2898	2.098	1.984	Fluoride
2	6.618	0.2960	1.620	2.901	Chloride
3	8.757	0.6610	2.808	2.942	Nitrite
4	10.835	0.4322	1.573	9.857	Bromide
5	12.497	0.6050	1.928	2.392	Nitrate
6	14.158	0.4329	1.013	4.999	Phosphate
7	15.905	1.1089	2.645	14.560	Sulfate

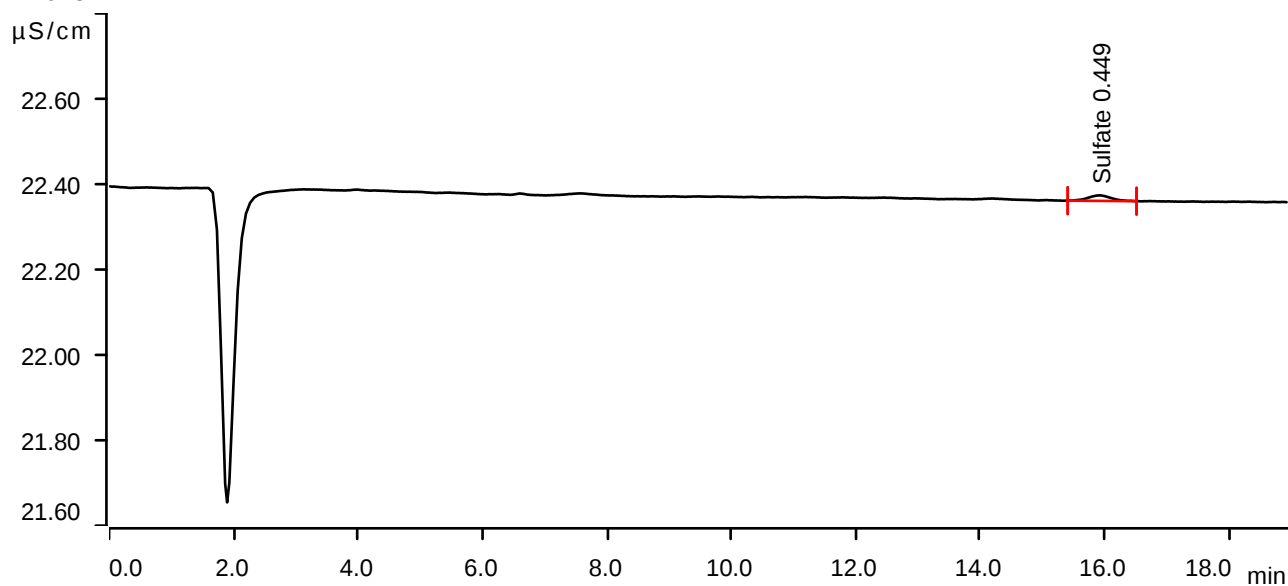
Sample data

Ident CCB
Sample type Sample
Determination start 2025-09-22 12:41:05 UTC-4
Method IC1-090925
Operator

Anions

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

Anions



Peak number	Retention time	Area	Height	Concentration	Component name
	min	(µS/cm) x min	µS/cm	ppm	
1	15.927	0.0056	0.013	0.449	Sulfate

1613726

Test results

Aquakem 7.2AQ1

Page: 1

Alliance Technical Group
284 Sheffield Street, Mountainside, NJ 07092

Reviewed by : RM

Instrument ID : Konelab

9/22/2025 13:24

Test: Ammonia-N

Sample Id	Result	Dil. 1 +	Response	Errors
ICV1	0.991	0.0	0.206	
ICB1	0.017	0.0	0.017	
CCV1	0.999	0.0	0.208	
CCB1	0.014	0.0	0.016	
RL CHECK	0.090	0.0	0.031	
PB169778BL	0.015	0.0	0.017	
PB169778BS	0.972	0.0	0.202	
Q3155-01	0.024	0.0	0.018	
Q3155-01DUP	0.026	0.0	0.019	
Q3155-01MS	1.048	0.0	0.217	
Q3155-01MSD	1.021	0.0	0.212	
Q3155-02	0.009	0.0	0.015	
Q3155-03	0.023	0.0	0.018	
RL CHECK-	0.094	0.0	0.032	
CCV2	1.005	0.0	0.209	
CCB2	0.019	0.0	0.017	
PB169780BL	0.017	0.0	0.017	
PB169780BS	1.003	0.0	0.208	
Q3135-01	0.321	0.0	0.076	
Q3151-02	0.038	0.0	0.021	
Q3151-02DUP	0.039	0.0	0.021	
Q3151-02MS	1.044	0.0	0.217	
Q3151-02MSD	1.049	0.0	0.217	
CCV3	1.000	0.0	0.208	
CCB3	0.019	0.0	0.017	

90% (50-150) 09/22/2025 RM

94% (50-150) 09/22/2025 RM

N 25
Mean 0.436
SD 0.4851
CV% 111.28

Aquakem v. 7.2AQ1

Results from time period:

Mon Sep 22 10:37:26 2025

Mon Sep 22 13:21:27 2025

Sample Id	Sam/Ctr/c/	Test short r	Test type	Result	Result unit	Result date and time	Stat
0.0PPM	A	Ammonia-† P		0.018	mg/l	9/22/2025 10:37:26	
0.1PPM	A	Ammonia-† P		0.1097	mg/l	9/22/2025 10:37:27	
0.2PPM	A	Ammonia-† P		0.2066	mg/l	9/22/2025 10:37:28	
0.4PPM	A	Ammonia-† P		0.3912	mg/l	9/22/2025 10:37:29	
1.0PPM	A	Ammonia-† P		0.9524	mg/l	9/22/2025 10:37:30	
1.3PPM	A	Ammonia-† P		1.3265	mg/l	9/22/2025 10:37:31	
2.0PPM	A	Ammonia-† P		2.029	mg/l	9/22/2025 10:37:32	
ICV1	S	Ammonia-† P		0.991	mg/l	9/22/2025 12:21:12	
ICB1	S	Ammonia-† P		0.0169	mg/l	9/22/2025 12:21:15	
CCV1	S	Ammonia-† P		0.9989	mg/l	9/22/2025 12:21:16	
CCB1	S	Ammonia-† P		0.014	mg/l	9/22/2025 12:21:19	
RL CHECK	S	Ammonia-† P		0.09	mg/l	9/22/2025 12:21:22	
PB169778BL	S	Ammonia-† P		0.0155	mg/l	9/22/2025 12:31:56	
PB169778BS	S	Ammonia-† P		0.9716	mg/l	9/22/2025 12:31:58	
Q3155-01	S	Ammonia-† P		0.0244	mg/l	9/22/2025 12:32:00	
Q3155-01DUP	S	Ammonia-† P		0.0264	mg/l	9/22/2025 12:32:02	
Q3155-01MS	S	Ammonia-† P		1.0477	mg/l	9/22/2025 12:32:04	
Q3155-01MSD	S	Ammonia-† P		1.0213	mg/l	9/22/2025 12:32:06	
Q3155-02	S	Ammonia-† P		0.009	mg/l	9/22/2025 12:42:40	
Q3155-03	S	Ammonia-† P		0.023	mg/l	9/22/2025 12:42:41	
RL CHECK	S	Ammonia-† P		0.0943	mg/l	9/22/2025 12:42:46	
CCV2	S	Ammonia-† P		1.0048	mg/l	9/22/2025 12:42:48	
CCB2	S	Ammonia-† P		0.019	mg/l	9/22/2025 12:42:51	
PB169780BL	S	Ammonia-† P		0.0171	mg/l	9/22/2025 12:53:22	
PB169780BS	S	Ammonia-† P		1.0025	mg/l	9/22/2025 12:53:25	
Q3135-01	S	Ammonia-† P		0.3208	mg/l	9/22/2025 12:53:26	
Q3151-02	S	Ammonia-† P		0.0382	mg/l	9/22/2025 12:53:28	
Q3151-02DUP	S	Ammonia-† P		0.0386	mg/l	9/22/2025 12:53:31	
Q3151-02MS	S	Ammonia-† P		1.0444	mg/l	9/22/2025 13:21:22	
Q3151-02MSD	S	Ammonia-† P		1.0486	mg/l	9/22/2025 13:21:23	
CCV3	S	Ammonia-† P		1.0001	mg/l	9/22/2025 13:21:24	
CCB3	S	Ammonia-† P		0.0186	mg/l	9/22/2025 13:21:27	

Calibration results

Aquakem 7.2AQ1

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Alliance Technical Group
284 Sheffield Street, Mountainside, NJ 07092

Reviewed by : RM Instrument ID : Konelab

9/22/2025 11:01

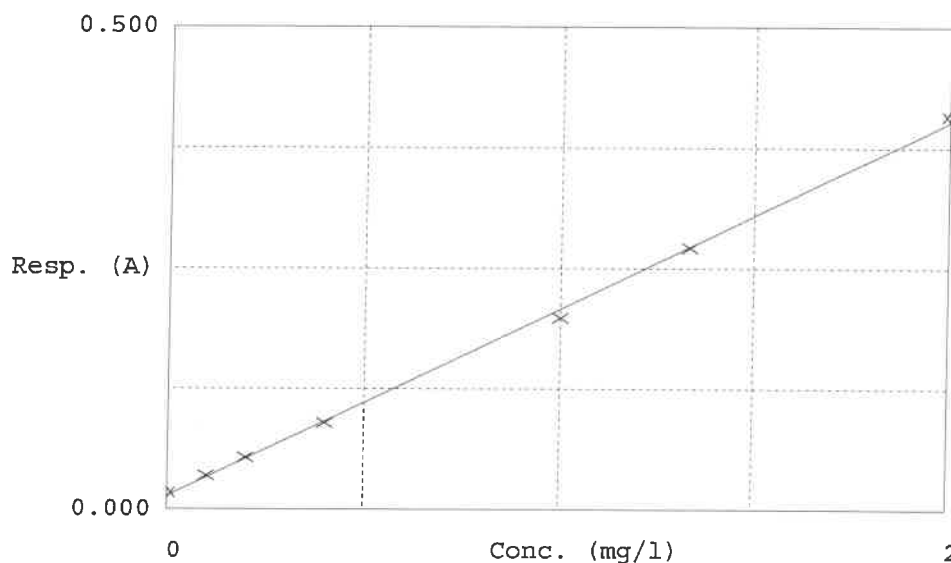
Test Ammonia-N

Accepted 9/22/2025 11:01

Factor 5.147
Bias 0.014

Coeff. of det. 0.998904

Errors



	Calibrator	Response	Calc. con.	Conc.	Errors
1	0.00PPM	0.017	0.0180	0.0000	-
2	NH3-2PPM	0.035	0.1097	0.1000	9.7
3	NH3-2PPM	0.054	0.2066	0.2000	3.3
4	NH3-2PPM	0.090	0.3912	0.4000	-2.2
5	NH3-2PPM	0.199	0.9524	1.0000	-4.8
6	NH3-2PPM	0.271	1.3265	1.3333	2.6
7	NH3-2PPM	0.408	2.0290	2.0000	1.5

09/22/2025
RM

Analytical Summary Report

Analysis Method: 7196A

ANALYST: rubina

Parameter: ~~Hexavalent Chromium~~

SUPERVISOR REVIEW BY: Iwona

Run Number: LB137276

pH Meter ID: WC pH Meter-1

Reagent/Standard	Lot/Log #
hexavalent chromium color reagent	WP114869
5N sulfuric acid	WP112831
HNO3 Hex-Chrome, 5M	WP112830
Hexchrome Cleaning Solution	WP114310

Intercept: 0.0003

Slope: 0.7641

Regression: 0.999927

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	7.28	1.70	0.000	0.000	0.000	-0.00		09/23/2025	13:00
2	CAL2	0.01	1	100	100	7.33	1.81	0.000	0.009	0.009	0.011	10	09/23/2025	13:00
3	CAL3	0.025	1	100	100	7.36	1.88	0.000	0.021	0.021	0.027	8	09/23/2025	13:01
4	CAL4	0.05	1	100	100	7.45	1.94	0.000	0.039	0.039	0.050	0	09/23/2025	13:01
5	CAL5	0.1	1	100	100	7.40	1.92	0.000	0.078	0.078	0.101	1	09/23/2025	13:02
6	CAL6	0.5	1	100	100	7.36	1.84	0.000	0.375	0.375	0.490	-2	09/23/2025	13:02
7	CAL7	1	1	100	100	7.42	1.97	0.000	0.768	0.768	1.004	0.4	09/23/2025	13:03

Analytical Summary Report

Analysis Method: 7196A

ANALYST:rubina

Parameter: Hexavalent Chromium

SUPERVISOR REVIEW BY:Iwona

Run Number: LB137276

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	7.47	2.06	0.000	0.379	0.379	0.496	09/23/2025	13:03
2	ICB		1	100	100	7.37	1.88	0.000	0.001	0.001	0.001	09/23/2025	13:04
3	CCV1	0.5	1	100	100	7.44	1.91	0.000	0.377	0.377	0.493	09/23/2025	13:04
4	CCB1		1	100	100	7.31	1.98	0.000	0.000	0.000	0.000	09/23/2025	13:05
5	RL Check	0.01	1	100	100	7.42	2.04	0.000	0.009	0.009	0.011	09/23/2025	13:05
6	PB169786BL		1	2.50	100	7.41	2.04	0.000	0.001	0.001	0.001	09/23/2025	13:06
7	PB169786BS	20	1	2.50	100	7.48	1.96	0.000	0.379	0.379	0.496	09/23/2025	13:06
8	Q3118-01		1	2.52	100	7.42	1.92	0.000	0.001	0.001	0.001	09/23/2025	13:07
9	Q3133-01		1	2.54	100	7.36	2.10	0.002	0.003	0.001	0.001	09/23/2025	13:07
10	Q3133-03		1	2.55	100	7.52	1.90	0.007	0.007	0.000	0.000	09/23/2025	13:08
11	Q3133-05		1	2.58	100	7.64	2.06	0.004	0.005	0.001	0.001	09/23/2025	13:08
12	Q3133-07		1	2.53	100	7.39	2.10	0.000	0.001	0.001	0.001	09/23/2025	13:09
13	Q3133-07DU		1	2.52	100	7.52	2.16	0.000	0.001	0.001	0.001	09/23/2025	13:09
14	Q3133-07MS	40	2	2.53	100	7.36	2.10	0.000	0.320	0.320	0.418	09/23/2025	13:10
15	Q3133-07MS	1284	40	2.55	100	7.52	2.06	0.000	0.606	0.606	0.793	09/23/2025	13:10
16	CCV2	0.5	1	100	100	7.39	2.10	0.000	0.376	0.376	0.492	09/23/2025	13:11
17	CCB2		1	100	100	7.26	2.01	0.000	0.001	0.001	0.001	09/23/2025	13:11
18	Q3133-07MS	40	2	2.53	100	7.39	2.19	0.000	0.369	0.369	0.483	09/23/2025	13:12
19	Q3152-01		1	2.57	100	7.59	1.90	0.004	0.004	0.000	0.000	09/23/2025	13:12
20	Q3153-01		1	2.52	100	7.52	2.19	0.007	0.008	0.001	0.001	09/23/2025	13:13
21	Q3153-05		1	2.57	100	7.51	2.09	0.006	0.006	0.000	0.000	09/23/2025	13:13
22	Q3155-01		1	2.55	100	7.42	1.90	0.020	0.020	0.000	0.000	09/23/2025	13:14
23	Q3155-02		1	2.53	100	7.31	2.07	0.020	0.020	0.000	0.000	09/23/2025	13:14
24	Q3155-03		1	2.52	100	7.36	1.90	0.015	0.016	0.001	0.001	09/23/2025	13:15
25	Q3159-01		1	2.55	100	7.29	1.84	0.000	0.001	0.001	0.001	09/23/2025	13:15
26	Q3159-03		1	2.51	100	7.60	2.15	0.002	0.002	0.000	0.000	09/23/2025	13:16
27	CCV3	0.5	1	100	100	7.40	1.88	0.000	0.377	0.377	0.493	09/23/2025	13:16
28	CCB3		1	100	100	7.46	1.94	0.000	0.000	0.000	0.000	09/23/2025	13:17

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

SDG No : N/A

Start Digest Date: 09/19/2025 Time : 15:45 Temp : 150 °C

Matrix : SOIL

End Digest Date: 09/19/2025 Time : 16:45 Temp : 159 °C

Pipette ID : WC

Balance ID : WC SC-7

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 : RM

pH Meter ID : N/A

Supervisor Signature:

12

Standard Name	MLS USED	STD REF. # FROM LOG
LCSS	1.0ML	WP114786
MS/MSD SPIKE SOL.	1.0ML	WP114785
RL CHECK	0.1ML	WP114785
PBS003	50.0ML	W3112
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
BORATE BUFFER	2.5ML	WP113836
NAOH 6N	0.5-2.0ML	WP113887
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

Extraction Conformance/Non-Conformance Comments:

ALL GLASSWEAR ARE STEAMED OUT AND THERE WERE NO TRACE OF AMMONIA USING NESLER REAGENT WP114104,

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
09/19/2025 17:00	RM WC	RM WC
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
PB169778BL	PBS778	1.00	50	N/A	N/A	N/A	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
PB169778BS	LCS778	1.00	50	N/A	N/A	N/A	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q3155-01DUP	COMP-1DUP	1.03	50	N/A	N/A	N/A	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q3155-01MS	COMP-1MS	1.02	50	N/A	N/A	N/A	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q3155-01MSD	COMP-1MSD	1.01	50	N/A	N/A	N/A	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q3155-01	COMP-1	1.03	50	N/A	N/A	N/A	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q3155-02	COMP-2	1.02	50	N/A	N/A	N/A	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q3155-03	COMP-3	1.02	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-3155

WorkList ID : 191993

Department : Distillation

Date : 09-19-2025 12:52:19

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3155-01	COMP-1	Solid	Ammonia	Cool 4 deg C	POWE02	D41	09/19/2025	SM4500-NH3
Q3155-02	COMP-2	Solid	Ammonia	Cool 4 deg C	POWE02	D41	09/19/2025	SM4500-NH3
Q3155-03	COMP-3	Solid	Ammonia	Cool 4 deg C	POWE02	D41	09/19/2025	SM4500-NH3

Date/Time 09/19/2025 14.30
 Raw Sample Received by: RY (WC)
 Raw Sample Relinquished by: RY (WC)

Date/Time 09/19/2025 16.12
 Raw Sample Received by: RY (WC)
 Raw Sample Relinquished by: RY (WC)

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

SDG No : N/A

Matrix : SOIL

Pipette ID : WC

Balance ID : WC SC-7

Hood ID : HOOD#3

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

Weigh By : RM

Start Digest Date: 09/23/2025 Time : 08:45 Temp : 90 °C

End Digest Date: 09/23/2025 Time : 09:45 Temp : 93 °C

11 batch 09/23/2025 10:25 90°C
09/23/2025 11:25 95°C } RM

Digestion tube ID : M6054

Block Thermometer ID : WC-Block#1

Filter paper ID : 400213

Prep Technician Signature: RM

pH Meter ID : WC pH meter-1

Supervisor Signature: 12

Standard 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	WP114447
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
N/A	N/A	N/A

LAB SAMPLE ID	CLIENT SAMPLE ID	Vol(ml)	Comment
CAL1	CAL1	2.5ML	W3112
CAL2	CAL2	0.2ML	WP114858
CAL3	CAL3	0.5ML	WP114858
CAL4	CAL4	1ML	WP114858
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:

N/A

09/23/2025 RM

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
PB169786BL	PBS786	2.50	100	N/A	N/A	N/A	N/A	N/A	N/A
PB169786BS	LCS786	2.50	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3118-01	EO-01-091625	2.52	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3133-01	VNJ-238	2.54	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3133-03	VNJ-222	2.55	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3133-05	361	2.58	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3133-07	VNJ-210	2.53	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3133-07DUP	VNJ-210DUP	2.52	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3133-07MSPre	VNJ-210MSPRE	2.53	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3133-07MS2Ins	VNJ-210MS2INS	2.55	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3133-07MS3Post	VNJ-210MS3POST	2.53	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3152-01	EO-02-091925	2.57	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3153-01	OR-500-COMP-39	2.52	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3153-05	OR-500-COMP-40	2.57	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3155-01	COMP-1	2.55	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3155-02	COMP-2	2.53	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3155-03	COMP-3	2.52	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3159-01	VNJ-245	2.55	100	N/A	N/A	N/A	N/A	N/A	N/A
Q3159-03	VNJ-255	2.51	100	N/A	N/A	N/A	N/A	N/A	N/A

WORKLIST(Hardcopy Internal Chain)

WorkList Name : hex-9-22

WorkList ID : 192009

Department : Distillation

Date : 09-22-2025 17:02:39

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3118-01	EO-01-091625	Solid	Hexavalent Chromium	Cool 4 deg C	PSEG05	D31	09/16/2025	7196A
Q3133-01	VNJ-238	Solid	Hexavalent Chromium	Cool 4 deg C	PSEG03	D31	09/18/2025	7196A
Q3133-03	VNJ-222	Solid	Hexavalent Chromium	Cool 4 deg C	PSEG03	D31	09/18/2025	7196A
Q3133-05	361	Solid	Hexavalent Chromium	Cool 4 deg C	PSEG03	D31	09/18/2025	7196A
Q3133-07	VNJ-210	Solid	Hexavalent Chromium	Cool 4 deg C	PSEG03	D31	09/18/2025	7196A
Q3152-01	EO-02-091925	Solid	Hexavalent Chromium	Cool 4 deg C	PSEG03	D31	09/18/2025	7196A
Q3153-01	OR-500-COMP-39	Solid	Hexavalent Chromium	Cool 4 deg C	PSEG05	D31	09/19/2025	7196A
Q3153-05	OR-500-COMP-40	Solid	Hexavalent Chromium	Cool 4 deg C	PSEG03	D31	09/19/2025	7196A
Q3155-01	COMP-1	Solid	Hexavalent Chromium	Cool 4 deg C	PSEG03	D31	09/19/2025	7196A
Q3155-02	COMP-2	Solid	Hexavalent Chromium	Cool 4 deg C	POWE02	D41	09/19/2025	7196A
Q3155-03	COMP-3	Solid	Hexavalent Chromium	Cool 4 deg C	POWE02	D41	09/19/2025	7196A
Q3159-01	VNJ-245	Solid	Hexavalent Chromium	Cool 4 deg C	POWE02	D41	09/19/2025	7196A
Q3159-03	VNJ-255	Solid	Hexavalent Chromium	Cool 4 deg C	PSEG03	D31	09/22/2025	7196A

Date/Time 09/23/2025 08:10
 Raw Sample Received by: RH CWY
 Raw Sample Relinquished by: J. COOK

Date/Time 09/23/2025 11:00
 Raw Sample Received by: J. COOK
 Raw Sample Relinquished by: RH CWY

Instrument ID: IC-1

Daily Analysis Runlog For Sequence/QC Batch ID # LB137254

Review By	rubina	Review On	9/24/2025 9:39:12 AM
Supervise By	Iwona	Supervise On	9/24/2025 10:24:47 AM
SubDirectory	LB137254	Test	Anions
STD. NAME	STD REF.#		
ICAL Standard	WP114677,WP114678,WP114679,WP114680,WP114681,WP114682,WP114683		
ICV Standard	WP114684		
CCV Standard	WP114853		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	WP114854		
Chk Standard	WP114685,WP114686		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	STD1	STD1	CAL1	09/09/25 10:21	All standards, samples, and	RM/IZ	OK
2	STD2	STD2	CAL2	09/09/25 10:42	QC are filtered through	RM/IZ	OK
3	STD3	STD3	CAL3	09/09/25 11:25	0.45um, filter lot W3160	RM/IZ	OK
4	STD4	STD4	CAL4	09/09/25 11:47		RM/IZ	OK
5	STD5	STD5	CAL5	09/09/25 13:36		RM/IZ	OK
6	STD6	STD6	CAL6	09/09/25 13:58		RM/IZ	OK
7	STD7	STD7	CAL7	09/09/25 14:41		RM/IZ	OK
8	ICV1	ICV1	ICV	09/09/25 15:02		RM/IZ	OK
9	ICB1	ICB1	ICB	09/09/25 15:45		RM/IZ	OK
10	CCV1	CCV1	CCV	09/22/25 09:05		RM/IZ	OK
11	CCB1	CCB1	CCB	09/22/25 09:27		RM/IZ	OK
12	LB137254BLS	LB137254BLS	MB	09/22/25 09:48		RM/IZ	OK
13	LB137254BSS	LB137254BSS	LCS	09/22/25 10:10		RM/IZ	OK
14	Q3155-01	COMP-1	SAM	09/22/25 10:31		RM/IZ	OK
15	Q3155-01MS	COMP-1MS	MS	09/22/25 10:53	5ml W3092	RM/IZ	OK
16	Q3155-01MSD	COMP-1MSD	MSD	09/22/25 11:14	5ml W3092	RM/IZ	OK
17	Q3155-02	COMP-2	SAM	09/22/25 11:36		RM/IZ	OK
18	Q3155-03	COMP-3	SAM	09/22/25 11:57		RM/IZ	OK

Instrument ID: IC-1

Daily Analysis Runlog For Sequence/QC Batch ID # LB137254

Review By	rubina	Review On	9/24/2025 9:39:12 AM
Supervise By	Iwona	Supervise On	9/24/2025 10:24:47 AM
SubDirectory	LB137254	Test	Anions
STD. NAME	STD REF.#		
ICAL Standard	WP114677,WP114678,WP114679,WP114680,WP114681,WP114682,WP114683		
ICV Standard	WP114684		
CCV Standard	WP114853		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	WP114854		
Chk Standard	WP114685,WP114686		

19	CCV2	CCV2	CCV	09/22/25 12:19		RM/IZ	OK
20	CCB2	CCB2	CCB	09/22/25 12:41		RM/IZ	OK

Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QC Batch ID # LB137261

Review By	rubina	Review On	9/23/2025 9:29:31 AM
Supervise By	Iwona	Supervise On	9/23/2025 12:10:12 PM
SubDirectory	LB137261	Test	Ammonia
STD. NAME	STD REF.#		
ICAL Standard	WP114850		
ICV Standard	WP114852		
CCV Standard	WP114851		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	WP114786		
Chk Standard	WP114799,WP114133,WP113929,WP114132		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	0.0PPM	0.0PPM	CAL1	09/22/25 10:37		rubina	OK
2	0.1PPM	0.1PPM	CAL2	09/22/25 10:37		rubina	OK
3	0.2PPM	0.2PPM	CAL3	09/22/25 10:37		rubina	OK
4	0.4PPM	0.4PPM	CAL4	09/22/25 10:37		rubina	OK
5	1.0PPM	1.0PPM	CAL5	09/22/25 10:37		rubina	OK
6	1.3PPM	1.3PPM	CAL6	09/22/25 10:37		rubina	OK
7	2.0PPM	2.0PPM	CAL7	09/22/25 10:37		rubina	OK
8	ICV1	ICV1	ICV	09/22/25 12:21		rubina	OK
9	ICB1	ICB1	ICB	09/22/25 12:21		rubina	OK
10	CCV1	CCV1	CCV	09/22/25 12:21		rubina	OK
11	CCB1	CCB1	CCB	09/22/25 12:21		rubina	OK
12	RL	RL	LOQ	09/22/25 12:21		rubina	OK
13	PB169778BL	PB169778BL	MB	09/22/25 12:31		rubina	OK
14	PB169778BS	PB169778BS	LCS	09/22/25 12:31		rubina	OK
15	Q3155-01	COMP-1	SAM	09/22/25 12:32		rubina	OK
16	Q3155-01DUP	COMP-1DUP	DUP	09/22/25 12:32		rubina	OK
17	Q3155-01MS	COMP-1MS	MS	09/22/25 12:32		rubina	OK
18	Q3155-01MSD	COMP-1MSD	MSD	09/22/25 12:32		rubina	OK

Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QC Batch ID # LB137261

Review By	rubina	Review On	9/23/2025 9:29:31 AM
Supervise By	Iwona	Supervise On	9/23/2025 12:10:12 PM
SubDirectory	LB137261	Test	Ammonia
STD. NAME	STD REF.#		
ICAL Standard	WP114850		
ICV Standard	WP114852		
CCV Standard	WP114851		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	WP114786		
Chk Standard	WP114799,WP114133,WP113929,WP114132		

19	Q3155-02	COMP-2	SAM	09/22/25 12:42		rubina	OK
20	Q3155-03	COMP-3	SAM	09/22/25 12:42		rubina	OK
21	RL	RL	LOQ	09/22/25 12:42		rubina	OK
22	CCV2	CCV2	CCV	09/22/25 12:42		rubina	OK
23	CCB2	CCB2	CCB	09/22/25 12:42		rubina	OK
24	PB169780BL	PB169780BL	MB	09/22/25 12:53		rubina	OK
25	PB169780BS	PB169780BS	LCS	09/22/25 12:53		rubina	OK
26	Q3135-01	MH-121	SAM	09/22/25 12:53		rubina	OK
27	Q3151-02	1402	SAM	09/22/25 12:53		rubina	OK
28	Q3151-02DUP	1402DUP	DUP	09/22/25 12:53		rubina	OK
29	Q3151-02MS	1402MS	MS	09/22/25 13:21		rubina	OK
30	Q3151-02MSD	1402MSD	MSD	09/22/25 13:21		rubina	OK
31	CCV3	CCV3	CCV	09/22/25 13:21		rubina	OK
32	CCB3	CCB3	CCB	09/22/25 13:21		rubina	OK

Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QC Batch ID # LB137276

Review By	rubina	Review On	9/23/2025 1:38:29 PM
Supervise By	Iwona	Supervise On	9/23/2025 1:38:51 PM
SubDirectory	LB137276	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	WP114869,WP112831,WP112830,WP114310		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	09/23/25 13:00		rubina	OK
2	CAL2	CAL2	CAL	09/23/25 13:00		rubina	OK
3	CAL3	CAL3	CAL	09/23/25 13:01		rubina	OK
4	CAL4	CAL4	CAL	09/23/25 13:01		rubina	OK
5	CAL5	CAL5	CAL	09/23/25 13:02		rubina	OK
6	CAL6	CAL6	CAL	09/23/25 13:02		rubina	OK
7	CAL7	CAL7	CAL	09/23/25 13:03		rubina	OK
8	ICV	ICV	ICV	09/23/25 13:03		rubina	OK
9	ICB	ICB	ICB	09/23/25 13:04		rubina	OK
10	CCV1	CCV1	CCV	09/23/25 13:04		rubina	OK
11	CCB1	CCB1	CCB	09/23/25 13:05		rubina	OK
12	RL Check	RL Check	RL	09/23/25 13:05		rubina	OK
13	PB169786BL	PB169786BL	MB	09/23/25 13:06		rubina	OK
14	PB169786BS	PB169786BS	LCS	09/23/25 13:06		rubina	OK
15	Q3118-01	EO-01-091625	SAM	09/23/25 13:07		rubina	OK
16	Q3133-01	VNJ-238	SAM	09/23/25 13:07		rubina	OK
17	Q3133-03	VNJ-222	SAM	09/23/25 13:08		rubina	OK
18	Q3133-05	361	SAM	09/23/25 13:08		rubina	OK

Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QC Batch ID # LB137276

Review By	rubina	Review On	9/23/2025 1:38:29 PM
Supervise By	Iwona	Supervise On	9/23/2025 1:38:51 PM
SubDirectory	LB137276	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	WP114869,WP112831,WP112830,WP114310		

19	Q3133-07	VNJ-210	SAM	09/23/25 13:09		rubina	OK
20	Q3133-07DUP	VNJ-210DUP	DUP	09/23/25 13:09		rubina	OK
21	Q3133-07MSPre	VNJ-210MS	MS	09/23/25 13:10		rubina	OK
22	Q3133-07MS2Ins	VNJ-210MS	MS	09/23/25 13:10		rubina	OK
23	CCV2	CCV2	CCV	09/23/25 13:11		rubina	OK
24	CCB2	CCB2	CCB	09/23/25 13:11		rubina	OK
25	Q3133-07MS3Post	VNJ-210MS	MS	09/23/25 13:12		rubina	OK
26	Q3152-01	EO-02-091925	SAM	09/23/25 13:12		rubina	OK
27	Q3153-01	OR-500-COMP-39	SAM	09/23/25 13:13		rubina	OK
28	Q3153-05	OR-500-COMP-40	SAM	09/23/25 13:13		rubina	OK
29	Q3155-01	COMP-1	SAM	09/23/25 13:14		rubina	OK
30	Q3155-02	COMP-2	SAM	09/23/25 13:14		rubina	OK
31	Q3155-03	COMP-3	SAM	09/23/25 13:15		rubina	OK
32	Q3159-01	VNJ-245	SAM	09/23/25 13:15		rubina	OK
33	Q3159-03	VNJ-255	SAM	09/23/25 13:16		rubina	OK
34	CCV3	CCV3	CCV	09/23/25 13:16		rubina	OK
35	CCB3	CCB3	CCB	09/23/25 13:17		rubina	OK

Instrument ID: GRAVIMETRIC

Daily Analysis Runlog For Sequence/QC Batch ID # LB137311

Review By	rubina	Review On	9/25/2025 3:50:10 PM
Supervise By	Iwona	Supervise On	9/25/2025 3:50:17 PM
SubDirectory	LB137311	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	Q3155-01	COMP-1	SAM	09/24/25 15:37		Ayul	OK
2	Q3155-02	COMP-2	SAM	09/24/25 15:50		Ayul	OK
3	Q3155-03	COMP-3	SAM	09/24/25 15:54		Ayul	OK



PERCENT SOLID

Supervisor: Iwona
Analyst: JIGNESH
Date: 9/22/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:10
In Date: 09/19/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:37
Out Date: 09/20/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB137247

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
Q3143-05	SVOC-GPC-BLANK	1	1.00	1.00	2.00	2.00	100.0	
Q3143-06	PEST-GPC-BLANK	2	1.00	1.00	2.00	2.00	100.0	
Q3143-07	PEST-GPC-BLANK-SPIKE	3	1.00	1.00	2.00	2.00	100.0	
Q3143-08	SVOC-GPC2-BLANK	4	1.00	1.00	2.00	2.00	100.0	
Q3143-09	PEST-GPC2-BLANK	5	1.00	1.00	2.00	2.00	100.0	
Q3143-10	PEST -GPC2-BLANK-SPIKE	6	1.00	1.00	2.00	2.00	100.0	
Q3145-01	SP-A	7	1.14	10.75	11.89	10.28	85.0	
Q3145-02	SP-A-EPH-2	8	1.19	10.41	11.6	10.1	85.6	
Q3145-03	SP-B	9	1.19	10.10	11.29	9.75	84.8	
Q3145-04	SP-B-EPH-2	10	1.13	10.64	11.77	10.28	86.0	
Q3146-01	MECHANIC-ST-PAINT-CHIP S	11	1.00	1.00	2.00	2.00	100.0	PAINT CHIPS SAMPLE
Q3147-01	S-1	12	1.18	10.22	11.4	10.7	93.2	
Q3147-02	S-2	13	1.16	10.55	11.71	10.8	91.4	
Q3147-03	S-3	14	1.19	10.42	11.61	10.84	92.6	
Q3147-04	S-4	15	1.16	10.21	11.37	10.34	89.9	
Q3147-05	S-5	16	1.19	10.13	11.32	10.6	92.9	
Q3147-06	S-6	17	1.19	10.36	11.55	10.74	92.2	
Q3147-07	S-7	18	1.19	10.72	11.91	11.00	91.5	
Q3147-08	S-8	19	1.16	10.55	11.71	10.7	90.4	
Q3147-09	S-9	20	1.19	10.28	11.47	10.55	91.1	
Q3147-10	S-10	21	1.19	10.77	11.96	11.32	94.1	
Q3147-11	S-11	22	1.17	10.58	11.75	10.97	92.6	
Q3147-12	S-12	23	1.13	10.67	11.8	10.88	91.4	
Q3147-13	S-13	24	1.19	10.70	11.89	11.15	93.1	
Q3147-14	S-14	25	1.19	10.39	11.58	10.85	93.0	
Q3147-15	S-15	26	1.11	10.77	11.88	10.96	91.5	
Q3147-16	S-16	27	1.19	10.32	11.51	10.47	89.9	
Q3147-17	S-17	28	1.15	10.58	11.73	10.8	91.2	



PERCENT SOLID

Supervisor: Iwona
Analyst: JIGNESH
Date: 9/22/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:10
In Date: 09/19/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:37
Out Date: 09/20/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB137247

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
Q3147-18	S-18	29	1.18	10.70	11.88	10.95	91.3	
Q3147-19	S-19	30	1.14	10.92	12.06	11.17	91.8	
Q3147-20	S-20	31	1.15	11.56	12.71	11.72	91.4	
Q3147-21	S-21	32	1.18	10.61	11.79	10.96	92.2	
Q3147-22	S-22	33	1.19	11.06	12.25	11.15	90.1	
Q3147-23	S-23	34	1.15	10.40	11.55	10.6	90.9	
Q3147-24	S-24	35	1.19	10.75	11.94	11.14	92.6	
Q3147-25	S-25	36	1.18	10.24	11.42	10.72	93.2	
Q3147-26	S-26	37	1.15	10.35	11.5	11.04	95.6	
Q3147-27	S-27	38	1.15	10.26	11.41	10.27	88.9	
Q3147-28	S-28	39	1.16	11.34	12.5	11.72	93.1	
Q3147-29	S-29	40	1.19	11.23	12.42	11.42	91.1	
Q3147-30	S-30	41	1.13	10.34	11.47	10.94	94.9	
Q3147-31	S-31	42	1.15	11.25	12.4	11.9	95.6	
Q3147-32	S-32	43	1.15	10.91	12.06	11.51	95.0	
Q3150-01	MER Rd Con Ed	44	1.15	10.51	11.66	10.67	90.6	
Q3150-02	MER Rd Con Ed	45	1.15	10.51	11.66	10.67	90.6	
Q3150-03	Mid Site Grid 5-7	46	1.16	10.02	11.18	8.85	76.7	
Q3150-04	Mid Site Grid 5-7	47	1.16	10.02	11.18	8.85	76.7	
Q3151-01	MH-OIL	48	1.00	1.00	2.00	2.00	100.0	oil sample
Q3152-01	EO-02-091925	49	1.14	10.86	12.00	11.16	92.3	
Q3152-02	EO-02-091925-E2	50	1.14	10.38	11.52	10.64	91.5	
Q3153-01	OR-500-COMP-39	51	1.18	10.64	11.82	11.07	93.0	
Q3153-02	OR-500-VOC-115	52	1.17	10.52	11.69	11.13	94.7	
Q3153-03	OR-500-115	53	1.19	10.49	11.68	10.88	92.4	
Q3153-05	OR-500-COMP-40	54	1.19	10.15	11.34	10.00	86.8	
Q3153-06	OR-500-VOC-116	55	1.14	10.30	11.44	10.41	90.0	
Q3153-07	OR-500-116	56	1.13	10.37	11.5	10.15	87.0	



PERCENT SOLID

Supervisor: Iwona
Analyst: JIGNESH
Date: 9/22/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:10
In Date: 09/19/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:37
Out Date: 09/20/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB137247

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
Q3155-01	COMP-1	57	1.11	10.26	11.37	10.12	87.8	
Q3155-02	COMP-2	58	1.14	10.30	11.44	10.52	91.1	
Q3155-03	COMP-3	59	1.18	10.23	11.41	10.57	91.8	
Q3157-01	20-DEAD-1	60	1.19	10.91	12.1	11.11	90.9	

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

WORKLIST(Hardcopy Internal Chain)

13247

WorkList Name : %1-091925

WorkList ID : 191953

Department : Wet-Chemistry

Date : 09-19-2025 09:51:17

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3143-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	ALLI03	I52	09/12/2025	Chemtech -SO
Q3143-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	ALLI03	I52	09/12/2025	Chemtech -SO
Q3143-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	ALLI03	I52	09/12/2025	Chemtech -SO
Q3143-08	SVOC-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	ALLI03	I52	09/12/2025	Chemtech -SO
Q3143-09	PEST-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	ALLI03	I52	09/12/2025	Chemtech -SO
Q3143-10	PEST -GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	ALLI03	I52	09/12/2025	Chemtech -SO
Q3145-01	SP-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/19/2025	Chemtech -SO
Q3145-02	SP-A-EPH-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/19/2025	Chemtech -SO
Q3145-03	SP-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/19/2025	Chemtech -SO
Q3145-04	SP-B-EPH-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/19/2025	Chemtech -SO
Q3146-01	MECHANIC-ST-PAINT-CHIPS	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	09/19/2025	Chemtech -SO
Q3147-01	S-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/15/2025	Chemtech -SO
Q3147-02	S-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/15/2025	Chemtech -SO
Q3147-03	S-3	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/15/2025	Chemtech -SO
Q3147-04	S-4	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/15/2025	Chemtech -SO
Q3147-05	S-5	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/15/2025	Chemtech -SO
Q3147-06	S-6	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/15/2025	Chemtech -SO
Q3147-07	S-7	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/15/2025	Chemtech -SO
Q3147-08	S-8	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/15/2025	Chemtech -SO
Q3147-09	S-9	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/15/2025	Chemtech -SO
Q3147-10	S-10	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/15/2025	Chemtech -SO

Date/Time 09-19-25 15:00

Raw Sample Received by: JWC

Raw Sample Relinquished by: JWC

Date/Time 09-19-25

Raw Sample Received by: JWC

Raw Sample Relinquished by: JWC

WORKLIST(Hardcopy Internal Chain)

13247

WorkList Name : %1-091925

WorkList ID : 191953

Department : Wet-Chemistry

Date : 09-19-2025 09:51:17

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3147-11	S-11	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/15/2025	Chemtech -SO
Q3147-12	S-12	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/15/2025	Chemtech -SO
Q3147-13	S-13	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/15/2025	Chemtech -SO
Q3147-14	S-14	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/15/2025	Chemtech -SO
Q3147-15	S-15	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/15/2025	Chemtech -SO
Q3147-16	S-16	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/15/2025	Chemtech -SO
Q3147-17	S-17	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/15/2025	Chemtech -SO
Q3147-18	S-18	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/15/2025	Chemtech -SO
Q3147-19	S-19	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/15/2025	Chemtech -SO
Q3147-20	S-20	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/15/2025	Chemtech -SO
Q3147-21	S-21	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/15/2025	Chemtech -SO
Q3147-22	S-22	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/15/2025	Chemtech -SO
Q3147-23	S-23	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/15/2025	Chemtech -SO
Q3147-24	S-24	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/15/2025	Chemtech -SO
Q3147-25	S-25	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/15/2025	Chemtech -SO
Q3147-26	S-26	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/15/2025	Chemtech -SO
Q3147-27	S-27	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/15/2025	Chemtech -SO
Q3147-28	S-28	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/15/2025	Chemtech -SO
Q3147-29	S-29	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/15/2025	Chemtech -SO
Q3147-30	S-30	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/15/2025	Chemtech -SO
Q3147-31	S-31	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/15/2025	Chemtech -SO

Date/Time 09-19-25 15:00

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

Date/Time 09-19-25

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

WORKLIST(Hardcopy Internal Chain)

W 13247

WorkList Name : %1-091925 WorkList ID : 191953 Department : Wet-Chemistry Date : 09-19-2025 09:51:17

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3147-32	S-32	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/15/2025	Chemtech -SO
Q3150-01	MER Rd Con Ed	Solid	Percent Solids	Cool 4 deg C	SCAL01	J23	09/18/2025	Chemtech -SO
Q3150-02	MER Rd Con Ed	Solid	Percent Solids	Cool 4 deg C	SCAL01	J23	09/18/2025	Chemtech -SO
Q3150-03	Mid Site Grid 5-7	Solid	Percent Solids	Cool 4 deg C	SCAL01	J23	09/18/2025	Chemtech -SO
Q3150-04	Mid Site Grid 5-7	Solid	Percent Solids	Cool 4 deg C	SCAL01	J23	09/18/2025	Chemtech -SO
Q3151-01	MH-OIL	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/19/2025	Chemtech -SO
Q3152-01	EO-02-091925	Solid	Percent Solids	Cool 4 deg C	PSEG05	D31	09/19/2025	Chemtech -SO
Q3152-02	EO-02-091925-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D31	09/19/2025	Chemtech -SO
Q3153-01	OR-500-COMP-39	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/19/2025	Chemtech -SO
Q3153-02	OR-500-VOC-115	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/19/2025	Chemtech -SO
Q3153-03	OR-500-115	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/19/2025	Chemtech -SO
Q3153-05	OR-500-COMP-40	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/19/2025	Chemtech -SO
Q3153-06	OR-500-VOC-116	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/19/2025	Chemtech -SO
Q3153-07	OR-500-116	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	09/19/2025	Chemtech -SO
Q3155-01	COMP-1	Solid	Percent Solids	Cool 4 deg C	POWE02	D41	09/19/2025	Chemtech -SO
Q3155-02	COMP-2	Solid	Percent Solids	Cool 4 deg C	POWE02	D41	09/19/2025	Chemtech -SO
Q3155-03	COMP-3	Solid	Percent Solids	Cool 4 deg C	POWE02	D41	09/19/2025	Chemtech -SO
Q3157-01	20-DEAD-1	Solid	Percent Solids	Cool 4 deg C	ALWA01	D31	09/19/2025	Chemtech -SO

Date/Time 09-19-25 15:00

Raw Sample Received by: JB WPC

Raw Sample Relinquished by: JB WPC

Date/Time 09-19-25

Raw Sample Received by: JB WPC

Raw Sample Relinquished by: JB WPC



SHIPPING DOCUMENTS

CLIENT INFORMATION

CLIENT PROJECT INFORMATION

CLIENT BILLING 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:

PROJECT NAME: **Tanner Duckrey School**
PROJECT NO.: **2002048.001A** LOCATION: **Philadelphia**
PROJECT MANAGER: **Mark Warchol**
e-mail: **mwarchol@kleinfelder.com**
PHONE: **484-883-3892** FAX:

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

ANALYSIS

DATA TURNAROUND INFORMATION

DATA DELIVERABLE INFORMATION

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

☐ 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

*TO BE APPROVED BY CHEMTECH

STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

1 2 3 4 5 6 7 8 9

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.	COMP-1	Soil	✓		9/19/25	9:55	6	✓									
2.	COMP-2	↓	↓		↓	10:40	↓	↓									
3.	COMP-3	↓	↓		↓	11:30	↓	↓									
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

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

RELINQUISHED BY SAMPLER: 1. [Signature]	DATE/TIME: 9/18/25	RECEIVED BY: [Signature]	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 4.62 °C
RELINQUISHED BY SAMPLER: 2. FedEx	DATE/TIME: 9-19-25 1155	RECEIVED BY: [Signature]	Comments:
RELINQUISHED BY SAMPLER: 3.	DATE/TIME:	RECEIVED BY:	Page 1 of 1 CLIENT: ☐ Hand Delivered ☒ Other FedEx Shipment Complete ☐ YES ☐ NO

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3155	POWE02	Order Date : 9/19/2025 1:05:00 PM	Project Mgr : Yazmeen
Client Name : Kleinfelder		Project Name : Tanner G. Duckrey Public S	Report Type : Results+QC
Client Contact : Mark Warchol		Receive DateTime : 9/19/2025 12:00:00 AM 11:15 AM	EDD Type : EXCEL NOCLEANUP
Invoice Name : Kleinfelder		Purchase Order :	Hard Copy Date :
Invoice Contact : Mark Warchol			Date Signoff : 9/19/2025 1:30:45 PM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3155-01	COMP-1	Solid	09/19/2025	09:55					
					VOCMS Group1		8260D	5 Bus. Days	
Q3155-02	COMP-2	Solid	09/19/2025	10:40					
					VOCMS Group1		8260D	5 Bus. Days	
Q3155-03	COMP-3	Solid	09/19/2025	11:30					
					VOCMS Group1		8260D	5 Bus. Days	
Q3155-04	TB	Water	09/19/2025	00:00					
					VOC-TCLVOA-10		8260D	5 Bus. Days	

Relinquished By : cl

Date / Time : 9/19/25 1336

Received By : Sami

Date / Time : 09/19/25 13:20

Storage Area : VOA Refridgerator Room

6
P22
R2H4