

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:	Q1466	OrderDate:	2/28/2025 8:17:00 AM
Client:	Holland Manufacturing Co.	Project:	Pre Treatment Plant 2025
Contact:	Todd Holland	Location:	H11

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1466-01	EFFLUENT	WATER			02/27/25 09:00			02/27/25
			Ammonia	SM4500-NH3		03/05/25	03/06/25 10:09	
			BOD5	SM5210 B			02/28/25 16:00	
			Oil and Grease	1664A			02/28/25 10:25	
			Phosphorus-Ortho	SM4500-P E			02/28/25 16:46	
			Phosphorus-Total	365.3		02/28/25	02/28/25 15:36	
			TSS	SM2540 D			02/28/25 11:00	
Q1466-01DL	EFFLUENTDL	WATER			02/27/25 09:00			02/27/25
			Ammonia	SM4500-NH3		03/05/25	03/06/25 10:48	
Q1466-04	AERATION	WATER			02/27/25 09:00			02/27/25
			TSS	SM2540 D			02/28/25 11:00	
Q1466-05	CITY WATER	WATER			02/27/25 09:00			02/27/25
			Anions Group2	9056A			02/28/25 11:13	
			Residual Chlorine	SM4500 Cl G			02/28/25 10:11	

LAB CHRONICLE

Q1466-05DL

CITY WATERDL

WATER

02/27/25
09:00

02/27/25

Anions Group2

9056A

02/28/25
12:39



SAMPLE DATA

Report of Analysis

Client:	Holland Manufacturing Co.	Date Collected:	02/27/25 09:00
Project:	Pre Treatment Plant 2025	Date Received:	02/27/25
Client Sample ID:	EFFLUENT	SDG No.:	Q1466
Lab Sample ID:	Q1466-01	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Ammonia as N	823	OR	1	2.30	5.00	mg/L	03/05/25 14:15	03/06/25 10:09	SM 4500-NH3 B plus G-11
BOD5	11900		1	0.17	2.00	mg/L		02/28/25 16:00	SM 5210 B-16
Oil and Grease	46.6		1	0.40	5.00	mg/L		02/28/25 10:25	1664A
Orthophosphate as P	0.084		1	0.0040	0.050	mg/L		02/28/25 16:46	SM 4500-P E-11
Phosphorus, Total	0.17		1	0.0050	0.050	mg/L	02/28/25 13:00	02/28/25 15:36	365.3
TSS	500		1	1.00	4.00	mg/L		02/28/25 11:00	SM 2540 D-15

Comments:

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

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

Report of Analysis

Client:	Holland Manufacturing Co.	Date Collected:	02/27/25 09:00
Project:	Pre Treatment Plant 2025	Date Received:	02/27/25
Client Sample ID:	EFFLUENTDL	SDG No.:	Q1466
Lab Sample ID:	Q1466-01DL	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Ammonia as N	813	D	10	22.5	50.0	mg/L	03/05/25 14:15	03/06/25 10:48	SM 4500-NH3 B plus G-11

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:	Holland Manufacturing Co.	Date Collected:	02/27/25 09:00
Project:	Pre Treatment Plant 2025	Date Received:	02/27/25
Client Sample ID:	AERATION	SDG No.:	Q1466
Lab Sample ID:	Q1466-04	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
TSS	1890		1	1.00	4.00	mg/L		02/28/25 11:00	SM 2540 D-15

Comments: _____

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	Holland Manufacturing Co.	Date Collected:	02/27/25 09:00
Project:	Pre Treatment Plant 2025	Date Received:	02/27/25
Client Sample ID:	CITY WATER	SDG No.:	Q1466
Lab Sample ID:	Q1466-05	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Chloride	21.1	OR	1	0.011	0.60	mg/L		02/28/25 11:13	9056A
Residual Chlorine	1.05	H	1	0.016	0.10	mg/L		02/28/25 10:11	SM 4500-Cl G-11

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:	Holland Manufacturing Co.	Date Collected:	02/27/25 09:00
Project:	Pre Treatment Plant 2025	Date Received:	02/27/25
Client Sample ID:	CITY WATERDL	SDG No.:	Q1466
Lab Sample ID:	Q1466-05DL	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Chloride	19.6	D	5	0.055	3.00	mg/L		02/28/25 12:39	9056A

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: Holland Manufacturing Co.

SDG No.: Q1466

Project: Pre Treatment Plant 2025

RunNo.: LB134842

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1						
Bromide	mg/L	10.2	10	102	90-110	02/21/2025
Chloride	mg/L	3	3	100	90-110	02/21/2025
Fluoride	mg/L	2	2	100	90-110	02/21/2025
Nitrite	mg/L	3	3	100	90-110	02/21/2025
Nitrate	mg/L	2.5	2.5	100	90-110	02/21/2025
Sulfate	mg/L	15.1	15	101	90-110	02/21/2025
Orthophosphate as P	mg/L	5.1	5	102	90-110	02/21/2025
Sample ID: CCV1						
Bromide	mg/L	10.1	10	101	90-110	02/28/2025
Chloride	mg/L	3	3	100	90-110	02/28/2025
Fluoride	mg/L	2	2	100	90-110	02/28/2025
Nitrite	mg/L	3	3	100	90-110	02/28/2025
Nitrate	mg/L	2.5	2.5	100	90-110	02/28/2025
Sulfate	mg/L	14.9	15	99	90-110	02/28/2025
Orthophosphate as P	mg/L	5	5	100	90-110	02/28/2025
Sample ID: CCV2						
Bromide	mg/L	10.1	10	101	90-110	02/28/2025
Chloride	mg/L	3	3	100	90-110	02/28/2025
Fluoride	mg/L	2	2	100	90-110	02/28/2025
Nitrite	mg/L	3	3	100	90-110	02/28/2025
Nitrate	mg/L	2.5	2.5	100	90-110	02/28/2025
Sulfate	mg/L	14.9	15	99	90-110	02/28/2025
Orthophosphate as P	mg/L	5.1	5	102	90-110	02/28/2025

Initial and Continuing Calibration Verification

Client: Holland Manufacturing Co.

SDG No.: Q1466

Project: Pre Treatment Plant 2025

RunNo.: LB134852

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV Residual Chlorine	mg/L	0.408	0.4	102	90-110	02/28/2025
Sample ID: CCV1 Residual Chlorine	mg/L	0.419	0.4	105	90-110	02/28/2025
Sample ID: CCV2 Residual Chlorine	mg/L	0.419	0.4	105	90-110	02/28/2025

Initial and Continuing Calibration Verification

Client: Holland Manufacturing Co.

SDG No.: Q1466

Project: Pre Treatment Plant 2025

RunNo.: LB134865

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV Orthophosphate as P	mg/L	0.510	0.50	102	90-110	02/28/2025
Sample ID: CCV1 Orthophosphate as P	mg/L	0.510	0.5	102	90-110	02/28/2025
Sample ID: CCV2 Orthophosphate as P	mg/L	0.501	0.5	100	90-110	02/28/2025

Initial and Continuing Calibration Verification

Client: Holland Manufacturing Co.

SDG No.: Q1466

Project: Pre Treatment Plant 2025

RunNo.: LB134866

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV Phosphorus, Total	mg/L	0.506	0.50	101	90-110	02/28/2025
Sample ID: CCV1 Phosphorus, Total	mg/L	0.498	0.50	100	90-110	02/28/2025
Sample ID: CCV2 Phosphorus, Total	mg/L	0.500	0.50	100	90-110	02/28/2025

Initial and Continuing Calibration Verification

Client: Holland Manufacturing Co.

SDG No.: Q1466

Project: Pre Treatment Plant 2025

RunNo.: LB134920

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1 Ammonia as N	mg/L	1	1	100	90-110	03/06/2025
Sample ID: CCV1 Ammonia as N	mg/L	0.95	1	95	90-110	03/06/2025
Sample ID: CCV2 Ammonia as N	mg/L	0.99	1	99	90-110	03/06/2025
Sample ID: CCV3 Ammonia as N	mg/L	0.98	1	98	90-110	03/06/2025
Sample ID: CCV4 Ammonia as N	mg/L	1	1	100	90-110	03/06/2025

Initial and Continuing Calibration Blank Summary

Client: Holland Manufacturing Co.

SDG No.: Q1466

Project: Pre Treatment Plant 2025

RunNo.: LB134842

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1							
Bromide	mg/L	< 1.0000	1.0000	U	0.034	2	02/21/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.011	0.6	02/21/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.057	0.4	02/21/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.011	0.6	02/21/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.0034	0.5	02/21/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.032	3	02/21/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.079	1	02/21/2025
Sample ID: CCB1							
Bromide	mg/L	< 1.0000	1.0000	U	0.034	2	02/28/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.011	0.6	02/28/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.057	0.4	02/28/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.011	0.6	02/28/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.0034	0.5	02/28/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.032	3	02/28/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.079	1	02/28/2025
Sample ID: CCB2							
Bromide	mg/L	< 1.0000	1.0000	U	0.034	2	02/28/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.011	0.6	02/28/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.057	0.4	02/28/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.011	0.6	02/28/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.0034	0.5	02/28/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.032	3	02/28/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.079	1	02/28/2025

Initial and Continuing Calibration Blank Summary

Client: Holland Manufacturing Co.

SDG No.: Q1466

Project: Pre Treatment Plant 2025

RunNo.: LB134852

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB Residual Chlorine	mg/L	< 0.0500	0.0500	U	0.016	0.1	02/28/2025
Sample ID: CCB1 Residual Chlorine	mg/L	< 0.0500	0.0500	U	0.016	0.1	02/28/2025
Sample ID: CCB2 Residual Chlorine	mg/L	< 0.0500	0.0500	U	0.016	0.1	02/28/2025

Initial and Continuing Calibration Blank Summary

Client: Holland Manufacturing Co.

SDG No.: Q1466

Project: Pre Treatment Plant 2025

RunNo.: LB134865

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB Orthophosphate as P	mg/L	0.006	0.0250	J	0.0040	0.05	02/28/2025
Sample ID: CCB1 Orthophosphate as P	mg/L	0.006	0.0250	J	0.0040	0.05	02/28/2025
Sample ID: CCB2 Orthophosphate as P	mg/L	0.006	0.0250	J	0.0040	0.05	02/28/2025

Initial and Continuing Calibration Blank Summary

Client: Holland Manufacturing Co.

SDG No.: Q1466

Project: Pre Treatment Plant 2025

RunNo.: LB134866

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB Phosphorus, Total	mg/L	0.007	0.0250	J	0.0047	0.05	02/28/2025
Sample ID: CCB1 Phosphorus, Total	mg/L	0.007	0.0250	J	0.0047	0.05	02/28/2025
Sample ID: CCB2 Phosphorus, Total	mg/L	0.007	0.0250	J	0.0047	0.05	02/28/2025

Initial and Continuing Calibration Blank Summary

Client: Holland Manufacturing Co.

SDG No.: Q1466

Project: Pre Treatment Plant 2025

RunNo.: LB134920

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.045	0.1	03/06/2025
Sample ID: CCB1 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.045	0.1	03/06/2025
Sample ID: CCB2 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.045	0.1	03/06/2025
Sample ID: CCB3 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.045	0.1	03/06/2025
Sample ID: CCB4 Ammonia as N	mg/L	< 0.0500	0.0500	U	0.045	0.1	03/06/2025

Preparation Blank Summary

Client: Holland Manufacturing Co.

SDG No.: Q1466

Project: Pre Treatment Plant 2025

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: LB134842BLW							
Bromide	mg/L	< 1.0000	1.0000	U	0.034	2	02/28/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.011	0.6	02/28/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.057	0.4	02/28/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.011	0.6	02/28/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.0034	0.5	02/28/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.032	3	02/28/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.079	1	02/28/2025
Sample ID: LB134850BL							
Oil and Grease	mg/L	< 2.5000	2.5000	U	0.4	5.0	02/28/2025
Sample ID: LB134851BL							
TSS	mg/L	< 2.0000	2.0000	U	1	4	02/28/2025
Sample ID: LB134852BL							
Residual Chlorine	mg/L	< 0.0500	0.0500	U	0.016	0.1	02/28/2025
Sample ID: LB134855BL							
BOD5	mg/L	< 0.2000	0.2000	U	0.17	2.0	02/28/2025
Sample ID: LB134865BL							
Orthophosphate as P	mg/L	0.006	0.0250	J	0.004	0.05	02/28/2025
Sample ID: PB166940BL							
Phosphorus, Total	mg/L	0.007	0.0250	J	0.005	0.05	02/28/2025
Sample ID: PB166997BL							
Ammonia as N	mg/L	< 0.0500	0.0500	U	0.045	0.1	03/06/2025

Matrix Spike Summary

Client:	Holland Manufacturing Co.	SDG No.:	Q1466
Project:	Pre Treatment Plant 2025	Sample ID:	Q1466-01
Client ID:	EFFLUENTMS	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Orthophosphate as P	mg/L	90-110	0.54		0.084		0.5	1	91		02/28/2025
Phosphorus, Total	mg/L	90-110	0.60		0.17		0.5	1	86	*	02/28/2025

Matrix Spike Summary

Client:	Holland Manufacturing Co.	SDG No.:	Q1466
Project:	Pre Treatment Plant 2025	Sample ID:	Q1466-01
Client ID:	EFFLUENTMSD	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Orthophosphate as P	mg/L	90-110	0.54		0.084		0.5	1	91		02/28/2025
Phosphorus, Total	mg/L	90-110	0.60		0.17		0.5	1	87	*	02/28/2025

Matrix Spike Summary

Client:	Holland Manufacturing Co.	SDG No.:	Q1466
Project:	Pre Treatment Plant 2025	Sample ID:	Q1466-01
Client ID:	EFFLUENTMS	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Oil and Grease	mg/L	78-114	66.7		46.6		20.0	1	101		02/28/2025

Matrix Spike Summary

Client:	Holland Manufacturing Co.	SDG No.:	Q1466
Project:	Pre Treatment Plant 2025	Sample ID:	Q1466-01
Client ID:	EFFLUENTMSD	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Oil and Grease	mg/L	78-114	66.5		46.6		20.0	1	100		02/28/2025

Matrix Spike Summary

Client:	Holland Manufacturing Co.	SDG No.:	Q1466
Project:	Pre Treatment Plant 2025	Sample ID:	Q1466-05
Client ID:	CITY WATERMS	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Bromide	mg/L	80-120	10.2		0.034	U	10	1	102		02/28/2025
Residual Chlorine	mg/L	71-148	1.42		1.05		0.4	1	92		02/28/2025
Chloride	mg/L	80-120	23.5	OR	21.1	OR	3	1	80		02/28/2025
Fluoride	mg/L	80-120	2.10		0.18	J	2	1	96		02/28/2025
Nitrite	mg/L	80-120	3.00		0.011	U	3	1	100		02/28/2025
Nitrate	mg/L	80-120	3.80		1.30		2.5	1	100		02/28/2025
Sulfate	mg/L	80-120	17.6		3.20		15	1	96		02/28/2025
Orthophosphate as P	mg/L	80-120	4.80		0.079	U	5	1	96		02/28/2025

Matrix Spike Summary

Client:	Holland Manufacturing Co.	SDG No.:	Q1466
Project:	Pre Treatment Plant 2025	Sample ID:	Q1466-05
Client ID:	CITY WATERMSD	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Bromide	mg/L	80-120	10.3		0.034	U	10	1	103		02/28/2025
Residual Chlorine	mg/L	71-148	1.43		1.05		0.4	1	95		02/28/2025
Chloride	mg/L	80-120	23.5	OR	21.1	OR	3	1	80		02/28/2025
Fluoride	mg/L	80-120	2.10		0.18	J	2	1	96		02/28/2025
Nitrite	mg/L	80-120	3.00		0.011	U	3	1	100		02/28/2025
Nitrate	mg/L	80-120	3.80		1.30		2.5	1	100		02/28/2025
Sulfate	mg/L	80-120	17.8		3.20		15	1	97		02/28/2025
Orthophosphate as P	mg/L	80-120	5.20		0.079	U	5	1	104		02/28/2025

Matrix Spike Summary

Client:	Holland Manufacturing Co.	SDG No.:	Q1466
Project:	Pre Treatment Plant 2025	Sample ID:	Q1494-01
Client ID:	PURGE-WATERMS	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Ammonia as N	mg/L	75-125	1.30		0.24		1	1	106		03/06/2025

Matrix Spike Summary

Client:	Holland Manufacturing Co.	SDG No.:	Q1466
Project:	Pre Treatment Plant 2025	Sample ID:	Q1494-01
Client ID:	PURGE-WATERMSD	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Ammonia as N	mg/L	75-125	1.20		0.24		1	1	96		03/06/2025

Duplicate Sample Summary

Client: Holland Manufacturing Co.	SDG No.: Q1466
Project: Pre Treatment Plant 2025	Sample ID: Q1431-02
Client ID: COMPDUP	Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
TSS	mg/L	+/-5	229		230		1	0.22		02/28/2025

Duplicate Sample Summary

Client: Holland Manufacturing Co.	SDG No.: Q1466
Project: Pre Treatment Plant 2025	Sample ID: Q1456-02
Client ID: EFF-WASTE WATERDUP	Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
BOD5	mg/L	+/-20	224		213		1	5.03		02/28/2025

Duplicate Sample Summary

Client: Holland Manufacturing Co.	SDG No.: Q1466
Project: Pre Treatment Plant 2025	Sample ID: Q1466-01
Client ID: EFFLUENTDUP	Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
Orthophosphate as P	mg/L	+/-20	0.084		0.082		1	2.41		02/28/2025
Phosphorus, Total	mg/L	+/-20	0.17		0.17		1	0.59		02/28/2025

Duplicate Sample Summary

Client:	Holland Manufacturing Co.	SDG No.:	Q1466
Project:	Pre Treatment Plant 2025	Sample ID:	Q1466-01
Client ID:	EFFLUENTMSD	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Orthophosphate as P	mg/L	+/-20	0.54		0.54		1	0.56		02/28/2025
Phosphorus, Total	mg/L	+/-20	0.60		0.60		1	0.5		02/28/2025

Duplicate Sample Summary

Client: Holland Manufacturing Co.	SDG No.: Q1466
Project: Pre Treatment Plant 2025	Sample ID: Q1466-01
Client ID: EFFLUENTMSD	Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Oil and Grease	mg/L	+/-18	66.7		66.5		1	0.3		02/28/2025

Duplicate Sample Summary

Client:	Holland Manufacturing Co.	SDG No.:	Q1466
Project:	Pre Treatment Plant 2025	Sample ID:	Q1466-05
Client ID:	CITY WATERDUP	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Residual Chlorine	mg/L	+/-20	1.05		1.03		1	1.92		02/28/2025

Duplicate Sample Summary

Client: Holland Manufacturing Co.	SDG No.: Q1466
Project: Pre Treatment Plant 2025	Sample ID: Q1466-05
Client ID: CITY WATERMSD	Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
Fluoride	mg/L	+/-15	2.10		2.10		1	0		02/28/2025
Nitrate	mg/L	+/-15	3.80		3.80		1	0		02/28/2025
Nitrite	mg/L	+/-15	3.00		3.00		1	0		02/28/2025
Chloride	mg/L	+/-15	23.5	OR	23.5	OR	1	0		02/28/2025
Bromide	mg/L	+/-15	10.2		10.3		1	1		02/28/2025
Sulfate	mg/L	+/-15	17.6		17.8		1	1		02/28/2025
Orthophosphate as P	mg/L	+/-15	4.80		5.20		1	8		02/28/2025
Residual Chlorine	mg/L	+/-20	1.42		1.43		1	0.7		02/28/2025

Duplicate Sample Summary

Client:	Holland Manufacturing Co.	SDG No.:	Q1466
Project:	Pre Treatment Plant 2025	Sample ID:	Q1494-01
Client ID:	PURGE-WATERDUP	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Ammonia as N	mg/L	+/-20	0.24		0.24		1	0		03/06/2025

Duplicate Sample Summary

Client: Holland Manufacturing Co.	SDG No.: Q1466
Project: Pre Treatment Plant 2025	Sample ID: Q1494-01
Client ID: PURGE-WATERMSD	Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Ammonia as N	mg/L	+/-20	1.30		1.20		1	8		03/06/2025

Laboratory Control Sample Summary

Client: Holland Manufacturing Co.

SDG No.: Q1466

Project: Pre Treatment Plant 2025

Run No.: LB134842

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB134842BSW							
Bromide	mg/L	10	10.3		103	1	90-110	02/28/2025
Chloride	mg/L	3	3.00		100	1	90-110	02/28/2025
Fluoride	mg/L	2	2.00		100	1	90-110	02/28/2025
Nitrite	mg/L	3	3.10		103	1	90-110	02/28/2025
Nitrate	mg/L	2.5	2.60		104	1	90-110	02/28/2025
Sulfate	mg/L	15	15.1		101	1	90-110	02/28/2025
Orthophosphate as P	mg/L	5	5.20		104	1	90-110	02/28/2025

Laboratory Control Sample Summary

Client: Holland Manufacturing Co.

SDG No.: Q1466

Project: Pre Treatment Plant 2025

Run No.: LB134850

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB134850BS							
Oil and Grease	mg/L	20.0	17.0		85	1	78-114	02/28/2025

Laboratory Control Sample Summary

Client: Holland Manufacturing Co.

SDG No.: Q1466

Project: Pre Treatment Plant 2025

Run No.: LB134851

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB134851BS							
TSS	mg/L	550	533		97	1	90-110	02/28/2025

Laboratory Control Sample Summary

Client: Holland Manufacturing Co.

SDG No.: Q1466

Project: Pre Treatment Plant 2025

Run No.: LB134852

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB134852BS							
Residual Chlorine	mg/L	0.4	0.41		102	1	90-110	02/28/2025

Laboratory Control Sample Summary

Client: Holland Manufacturing Co.

SDG No.: Q1466

Project: Pre Treatment Plant 2025

Run No.: LB134855

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB134855BS							
BOD5	mg/L	198	186		94	1	84.6-115.4	02/28/2025

Laboratory Control Sample Summary

Client: Holland Manufacturing Co.

SDG No.: Q1466

Project: Pre Treatment Plant 2025

Run No.: LB134865

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB134865BS							
Orthophosphate as P	mg/L	0.5	0.51		101	1	90-110	02/28/2025

Laboratory Control Sample Summary

Client: Holland Manufacturing Co.

SDG No.: Q1466

Project: Pre Treatment Plant 2025

Run No.: LB134866

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	PB166940BS							
Phosphorus, Total	mg/L	0.50	0.50		100	1	90-110	02/28/2025

Laboratory Control Sample Summary

Client: Holland Manufacturing Co.

SDG No.: Q1466

Project: Pre Treatment Plant 2025

Run No.: LB134920

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	PB166997BS							
Ammonia as N	mg/L	1	0.99		99	1	90-110	03/06/2025

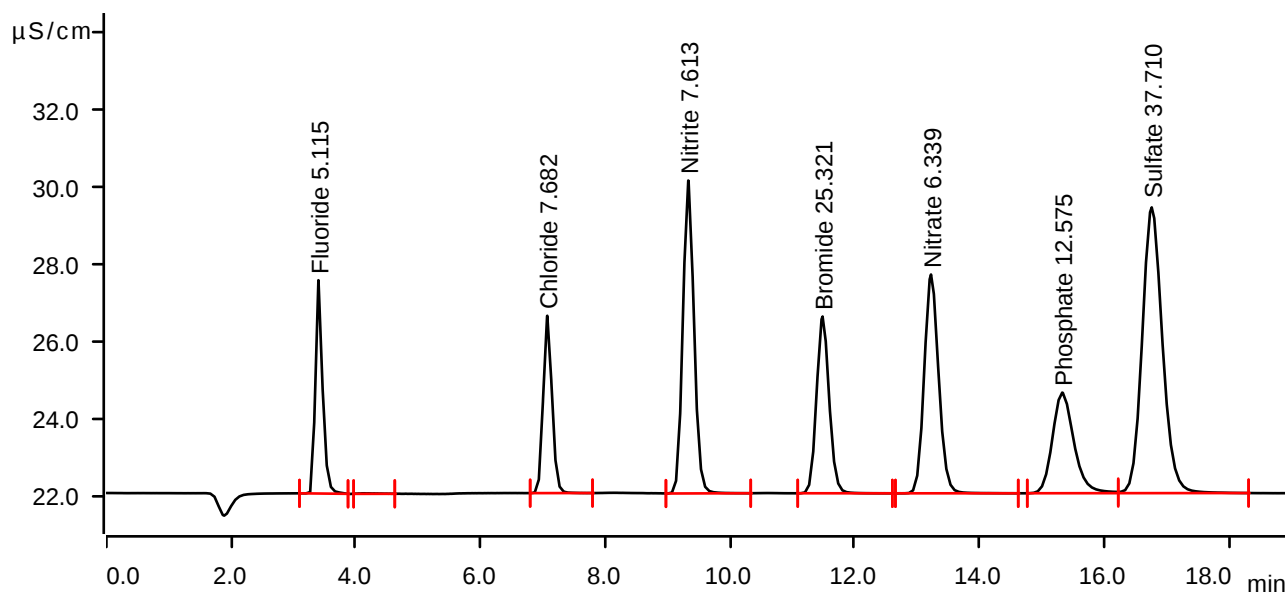


RAW DATA

Instrument ID			IC-1	Analyst :		NF	Method: 00.0 / 9056A				
Ident	Con F-	Con CL-	Con NO2	Con BR-	Con NO3	Con HPO4	Con SO4	Method name	date time	wt/Fir	Analyst
STD1	0	0	0	0	0	0	0	IC1-022125	2/21/2025 11:05	10	NF/IZ
STD2	0.448	0.678	0.657	2.152	0.544	1.059	3.319	IC1-022125	2/21/2025 11:26	10	NF/IZ
STD3	0.821	1.223	1.216	4.052	1.014	2.009	6.104	IC1-022125	2/21/2025 11:48	10	NF/IZ
STD4	1.013	1.524	1.523	5.08	1.272	2.514	7.612	IC1-022125	2/21/2025 12:09	10	NF/IZ
STD5	1.919	2.879	2.894	9.683	2.411	4.896	14.423	IC1-022125	2/21/2025 12:31	10	NF/IZ
STD6	3.884	5.815	5.898	19.712	4.921	9.947	29.333	IC1-022125	2/21/2025 12:52	10	NF/IZ
STD7	5.115	7.682	7.613	25.321	6.339	12.575	37.71	IC1-022125	2/21/2025 13:13	10	NF/IZ
ICV	2.008	2.989	3.015	10.228	2.532	5.141	15.146	IC1-022125	2/21/2025 13:35	10	NF/IZ
ICB	0	0	0	0	0	0	0	IC1-022125	2/21/2025 13:56	10	NF/IZ
CCV	2.001	2.995	3.021	10.096	2.516	4.995	14.851	IC1-022125	2/28/2025 9:46	10	NF/IZ
CCB	0	0	0	0	0	0	0	IC1-022125	2/28/2025 10:08	10	NF/IZ
LB134842BLW	0	0	0	0	0	0	0	IC1-022125	2/28/2025 10:29	10	NF/IZ
LB134842BSW	2.031	3.039	3.063	10.275	2.559	5.192	15.139	IC1-022125	2/28/2025 10:51	10	NF/IZ
Q1466-05	0.18	21.087	0	0	1.28	0	3.22	IC1-022125	2/28/2025 11:13	10	NF/IZ
Q1466-05MS	2.096	23.548	2.999	10.166	3.775	4.802	17.597	IC1-022125	2/28/2025 11:34	10	NF/IZ
Q1466-05MSD	2.133	23.478	3.011	10.26	3.799	5.218	17.775	IC1-022125	2/28/2025 11:56	10	NF/IZ
Q1466-05DLX5	0.089	3.924	0	0	0.317	0	1.113	IC1-022125	2/28/2025 12:39	10	NF/IZ
CCV	1.998	3.001	3.032	10.129	2.524	5.093	14.906	IC1-022125	2/28/2025 13:00	10	NF/IZ
CCB	0	0	0	0	0	0	0	IC1-022125	2/28/2025 13:22	10	NF/IZ

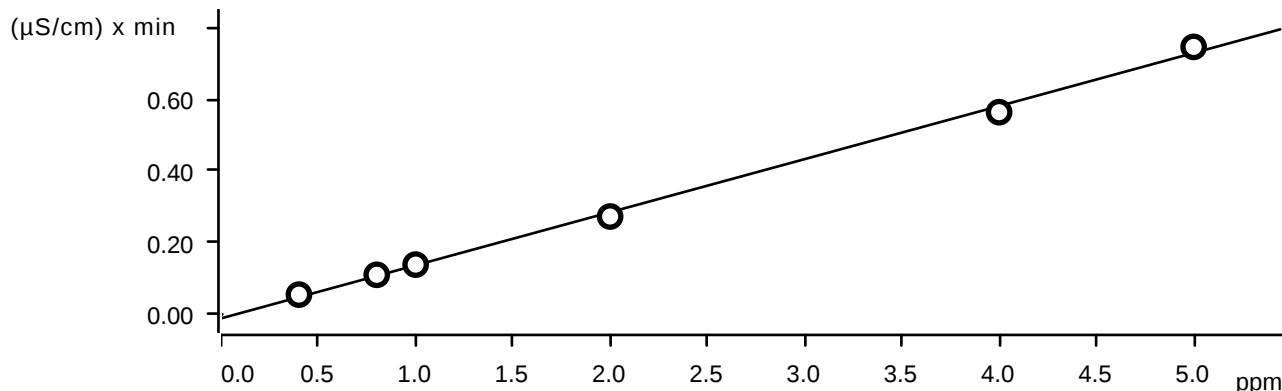
Reviewed By:Iwona
On:3/6/2025 11:16:08
AM
Inst Id :IC-2
LB :LB134842

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	0.7457	5.535	5.115	Fluoride
2	4.197	0.0046	0.012	invalid	
3	7.070	0.7592	4.602	7.682	Chloride
4	9.330	1.6810	8.120	7.613	Nitrite
5	11.483	1.0784	4.588	25.321	Bromide
6	13.222	1.5233	5.678	6.339	Nitrate
7	15.325	1.0441	2.611	12.575	Phosphate
8	16.760	2.7982	7.416	37.710	Sulfate

Fluoride (Anions)



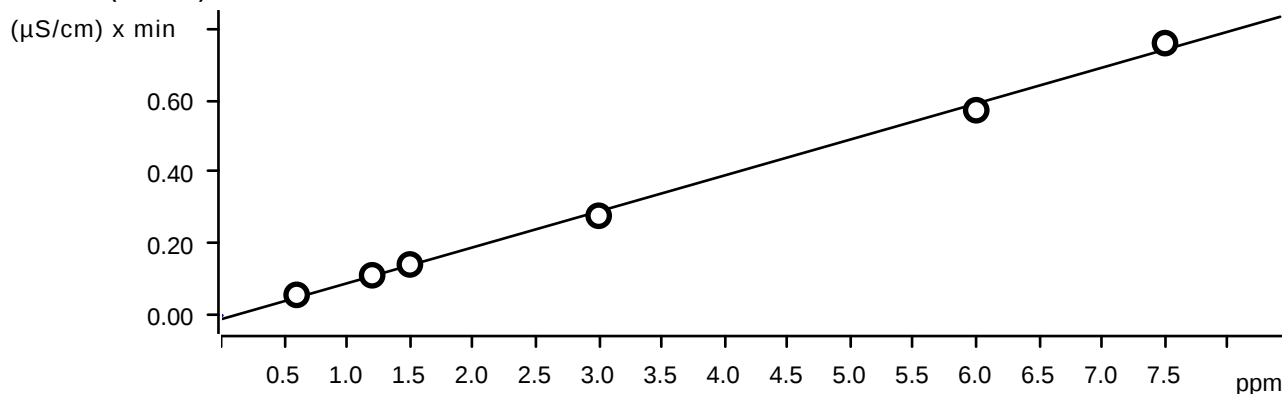
Function: $A = -0.0112463 + 0.0147980 \times Q$

Relative standard deviation 4.464159 %

Correlation coefficient 0.998989

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	2025-02-21 11:05:25 UTC-5	used
Standard 2	1	0.400	10.0	1.0	1.0	0.055	STD2	2025-02-21 11:26:47 UTC-5	used
Standard 3	1	0.800	10.0	1.0	1.0	0.110	STD3	2025-02-21 11:48:11 UTC-5	used
Standard 4	1	1.000	10.0	1.0	1.0	0.139	STD4	2025-02-21 12:09:35 UTC-5	used
Standard 5	1	2.000	10.0	1.0	1.0	0.273	STD5	2025-02-21 12:31:01 UTC-5	used
Standard 6	1	4.000	10.0	1.0	1.0	0.564	STD6	2025-02-21 12:52:27 UTC-5	used
Standard 7	1	5.000	10.0	1.0	1.0	0.746	STD7	2025-02-21 13:13:53 UTC-5	used

Chloride (Anions)

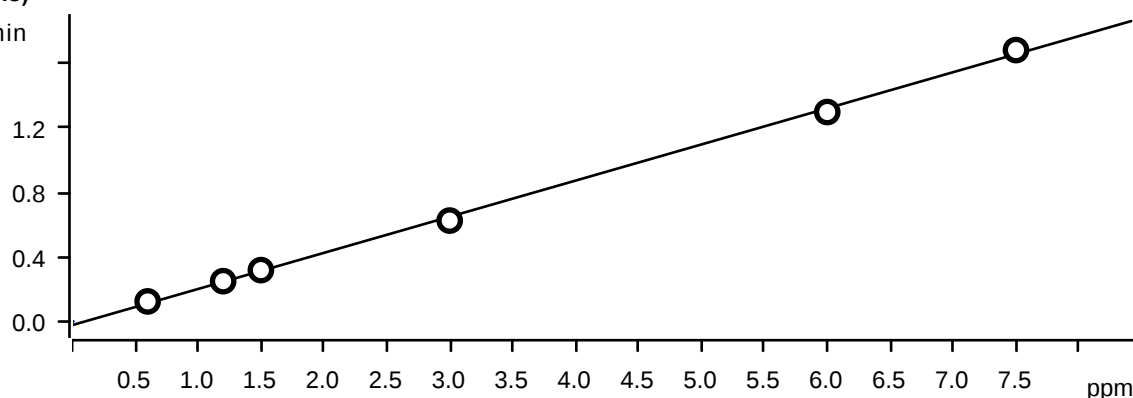


Function: $A = -0.0105167 + 0.0100207 \times Q$

Relative standard deviation 4.669067 %

Correlation coefficient 0.998888

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	2025-02-21 11:05:25 UTC-5	used
Standard 2	1	0.600	10.0	1.0	1.0	0.057	STD2	2025-02-21 11:26:47 UTC-5	used
Standard 3	1	1.200	10.0	1.0	1.0	0.112	STD3	2025-02-21 11:48:11 UTC-5	used
Standard 4	1	1.500	10.0	1.0	1.0	0.142	STD4	2025-02-21 12:09:35 UTC-5	used
Standard 5	1	3.000	10.0	1.0	1.0	0.278	STD5	2025-02-21 12:31:01 UTC-5	used
Standard 6	1	6.000	10.0	1.0	1.0	0.572	STD6	2025-02-21 12:52:27 UTC-5	used
Standard 7	1	7.500	10.0	1.0	1.0	0.759	STD7	2025-02-21 13:13:53 UTC-5	used

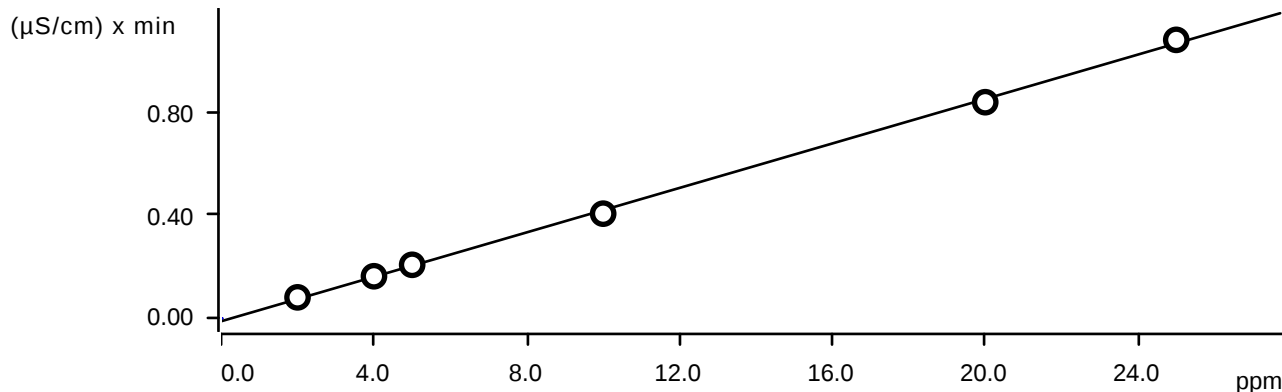
Nitrite (Anions) $(\mu\text{S}/\text{cm}) \times \text{min}$ Function: $A = -0.0232250 + 0.0223870 \times Q$

Relative standard deviation 3.068725 %

Correlation coefficient 0.999519

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	2025-02-21 11:05:25 UTC-5	used
Standard 2	1	0.600	10.0	1.0	1.0	0.124	STD2	2025-02-21 11:26:47 UTC-5	used
Standard 3	1	1.200	10.0	1.0	1.0	0.249	STD3	2025-02-21 11:48:11 UTC-5	used
Standard 4	1	1.500	10.0	1.0	1.0	0.318	STD4	2025-02-21 12:09:35 UTC-5	used
Standard 5	1	3.000	10.0	1.0	1.0	0.625	STD5	2025-02-21 12:31:01 UTC-5	used
Standard 6	1	6.000	10.0	1.0	1.0	1.297	STD6	2025-02-21 12:52:27 UTC-5	used
Standard 7	1	7.500	10.0	1.0	1.0	1.681	STD7	2025-02-21 13:13:53 UTC-5	used

Bromide (Anions)



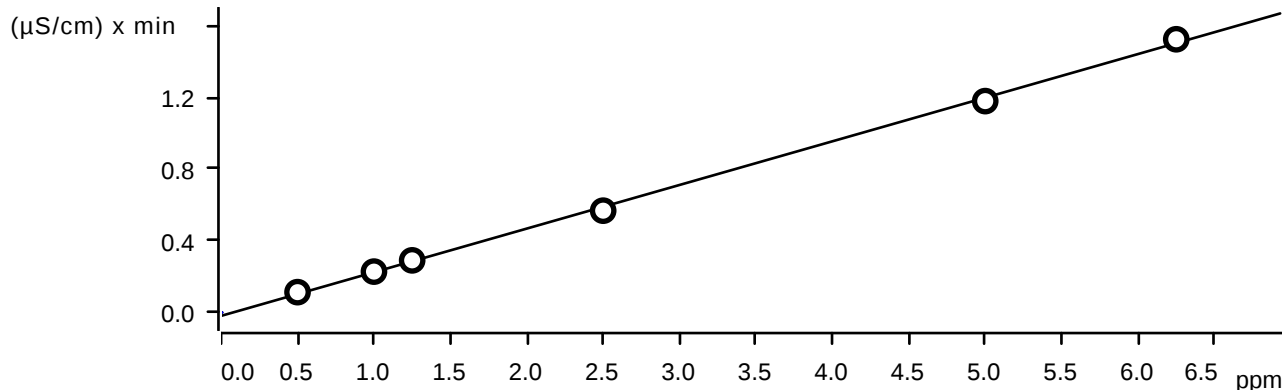
Function: $A = -0.0113202 + 4.30364E-3 \times Q$

Relative standard deviation 2.628989 %

Correlation coefficient 0.999641

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	2025-02-21 11:05:25 UTC-5	used
Standard 2	1	2.000	10.0	1.0	1.0	0.081	STD2	2025-02-21 11:26:47 UTC-5	used
Standard 3	1	4.000	10.0	1.0	1.0	0.163	STD3	2025-02-21 11:48:11 UTC-5	used
Standard 4	1	5.000	10.0	1.0	1.0	0.207	STD4	2025-02-21 12:09:35 UTC-5	used
Standard 5	1	10.000	10.0	1.0	1.0	0.405	STD5	2025-02-21 12:31:01 UTC-5	used
Standard 6	1	20.000	10.0	1.0	1.0	0.837	STD6	2025-02-21 12:52:27 UTC-5	used
Standard 7	1	25.000	10.0	1.0	1.0	1.078	STD7	2025-02-21 13:13:53 UTC-5	used

Nitrate (Anions)

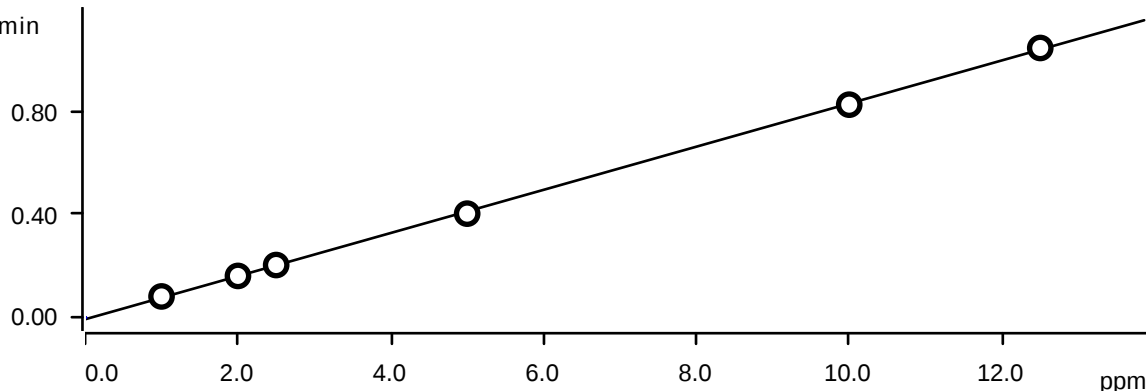


Function: $A = -0.0190446 + 0.0243327 \times Q$

Relative standard deviation 2.936394 %

Correlation coefficient 0.999557

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	2025-02-21 11:05:25 UTC-5	used
Standard 2	1	0.500	10.0	1.0	1.0	0.113	STD2	2025-02-21 11:26:47 UTC-5	used
Standard 3	1	1.000	10.0	1.0	1.0	0.228	STD3	2025-02-21 11:48:11 UTC-5	used
Standard 4	1	1.250	10.0	1.0	1.0	0.290	STD4	2025-02-21 12:09:35 UTC-5	used
Standard 5	1	2.500	10.0	1.0	1.0	0.568	STD5	2025-02-21 12:31:01 UTC-5	used
Standard 6	1	5.000	10.0	1.0	1.0	1.178	STD6	2025-02-21 12:52:27 UTC-5	used
Standard 7	1	6.250	10.0	1.0	1.0	1.523	STD7	2025-02-21 13:13:53 UTC-5	used

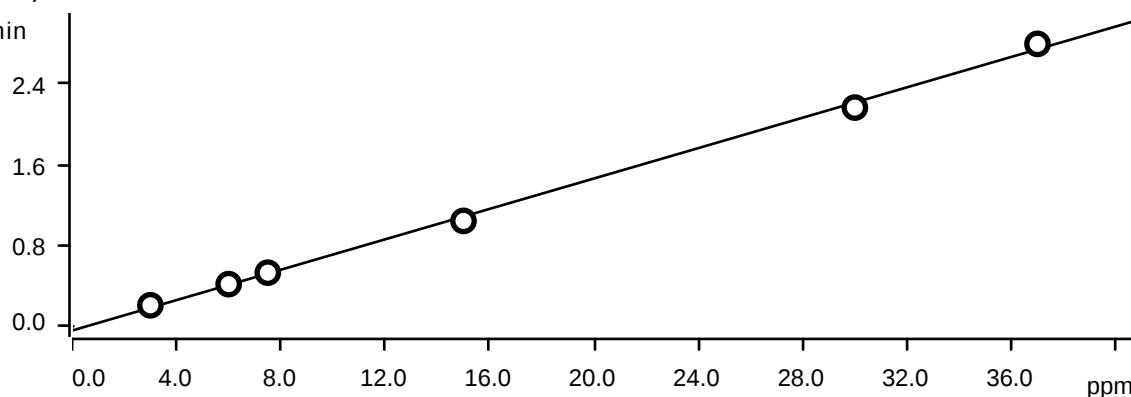
Phosphate (Anions) $(\mu\text{S}/\text{cm}) \times \text{min}$ Function: $A = -6.44326E-3 + 8.35469E-3 \times Q$

Relative standard deviation 1.393773 %

Correlation coefficient 0.999897

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	2025-02-21 11:05:25 UTC-5	used
Standard 2	1	1.000	10.0	1.0	1.0	0.082	STD2	2025-02-21 11:26:47 UTC-5	used
Standard 3	1	2.000	10.0	1.0	1.0	0.161	STD3	2025-02-21 11:48:11 UTC-5	used
Standard 4	1	2.500	10.0	1.0	1.0	0.204	STD4	2025-02-21 12:09:35 UTC-5	used
Standard 5	1	5.000	10.0	1.0	1.0	0.403	STD5	2025-02-21 12:31:01 UTC-5	used
Standard 6	1	10.000	10.0	1.0	1.0	0.825	STD6	2025-02-21 12:52:27 UTC-5	used
Standard 7	1	12.500	10.0	1.0	1.0	1.044	STD7	2025-02-21 13:13:53 UTC-5	used

Sulfate (Anions)

 $(\mu\text{S}/\text{cm}) \times \text{min}$ Function: $A = -0.0430107 + 7.53437E-3 \times Q$

Relative standard deviation 3.742757 %

Correlation coefficient 0.999282

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	2025-02-21 11:05:25 UTC-5	used
Standard 2	1	3.000	10.0	1.0	1.0	0.207	STD2	2025-02-21 11:26:47 UTC-5	used
Standard 3	1	6.000	10.0	1.0	1.0	0.417	STD3	2025-02-21 11:48:11 UTC-5	used
Standard 4	1	7.500	10.0	1.0	1.0	0.531	STD4	2025-02-21 12:09:35 UTC-5	used
Standard 5	1	15.000	10.0	1.0	1.0	1.044	STD5	2025-02-21 12:31:01 UTC-5	used
Standard 6	1	30.000	10.0	1.0	1.0	2.167	STD6	2025-02-21 12:52:27 UTC-5	used
Standard 7	1	37.000	10.0	1.0	1.0	2.798	STD7	2025-02-21 13:13:53 UTC-5	used

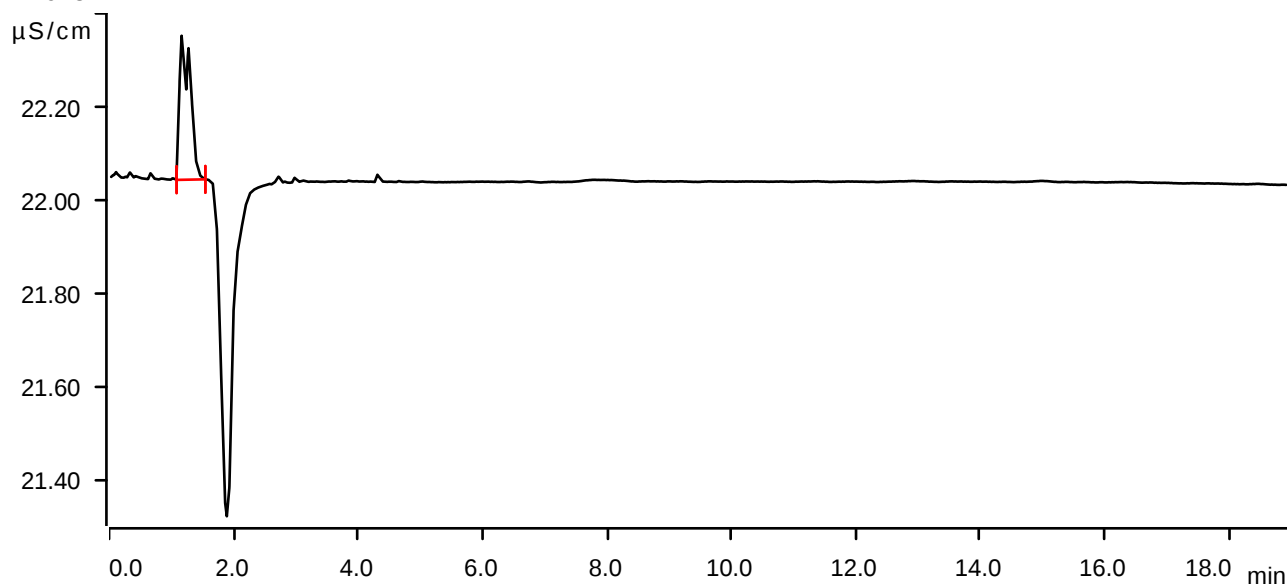
Sample data

Ident STD1
Sample type Standard 1
Determination start 2025-02-21 11:05:25 UTC-5
Method IC1-022125
Operator

Anions

Data source Conductivity detector 1 (Eco IC 1)
Channel Conductivity
Recording time 19.0 min
Integration Automatically
Column type Metrosep A Supp 19 - 150/4.0
Eluent composition not defined
Flow 0.700 mL/min
Maximum flow monitored yes
Pressure 12.05 MPa
Maximum pressure monitored yes
Temperature ---- °C

Anions



Peak number	Retention time	Area	Height	Concentration	Component name
	min	(µS/cm) x min	µS/cm	ppm	
1	1.167	0.0607	0.309	invalid	

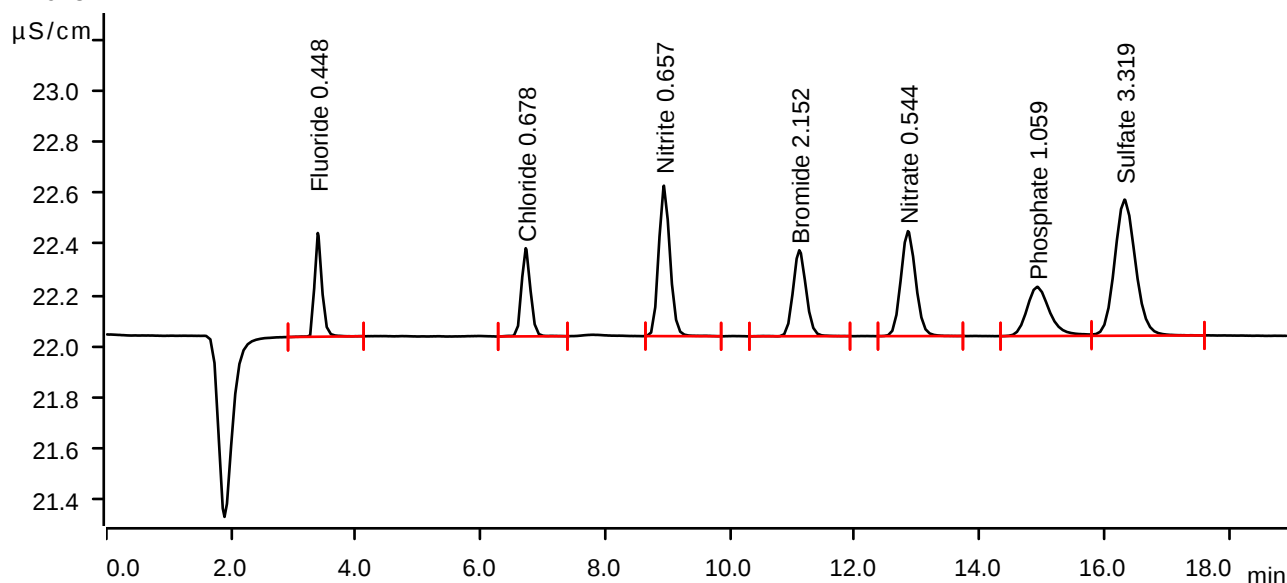
Sample data

Ident STD2
Sample type Standard 2
Determination start 2025-02-21 11:26:47 UTC-5
Method IC1-022125
Operator

Anions

Data source Conductivity detector 1 (Eco IC 1)
Channel Conductivity
Recording time 19.0 min
Integration Automatically
Column type Metrosep A Supp 19 - 150/4.0
Eluent composition not defined
Flow 0.700 mL/min
Maximum flow monitored yes
Pressure 12.11 MPa
Maximum pressure monitored yes
Temperature ---- °C

Anions



Peak number	Retention time min	Area (µS/cm) x min	Height µS/cm	Concentration ppm	Component name
1	3.390	0.0550	0.405	0.448	Fluoride
2	6.723	0.0574	0.344	0.678	Chloride
3	8.940	0.1238	0.587	0.657	Nitrite
4	11.110	0.0813	0.336	2.152	Bromide
5	12.852	0.1132	0.410	0.544	Nitrate
6	14.923	0.0820	0.192	1.059	Phosphate
7	16.323	0.2071	0.531	3.319	Sulfate

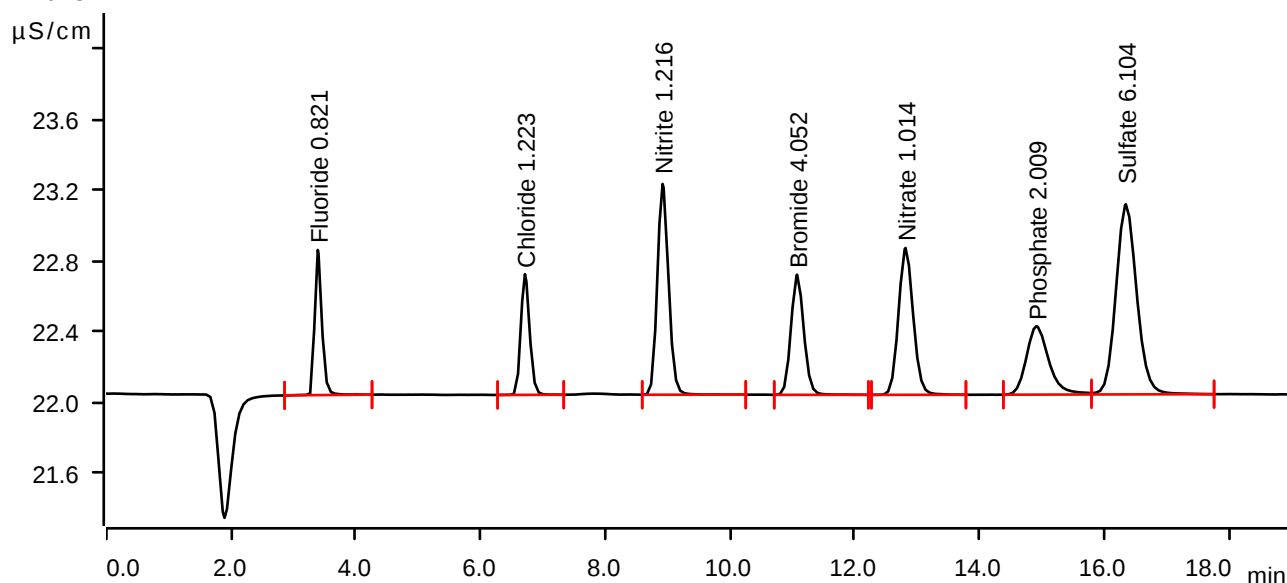
Sample data

Ident STD3
Sample type Standard 3
Determination start 2025-02-21 11:48:11 UTC-5
Method IC1-022125
Operator

Anions

Data source Conductivity detector 1 (Eco IC 1)
Channel Conductivity
Recording time 19.0 min
Integration Automatically
Column type Metrosep A Supp 19 - 150/4.0
Eluent composition not defined
Flow 0.700 mL/min
Maximum flow monitored yes
Pressure 11.94 MPa
Maximum pressure monitored yes
Temperature ---- °C

Anions



Peak number	Retention time min	Area (µS/cm) x min	Height µS/cm	Concentration ppm	Component name
1	3.390	0.1102	0.822	0.821	Fluoride
2	6.712	0.1120	0.683	1.223	Chloride
3	8.918	0.2491	1.193	1.216	Nitrite
4	11.075	0.1631	0.680	4.052	Bromide
5	12.813	0.2277	0.831	1.014	Nitrate
6	14.912	0.1614	0.387	2.009	Phosphate
7	16.345	0.4169	1.076	6.104	Sulfate

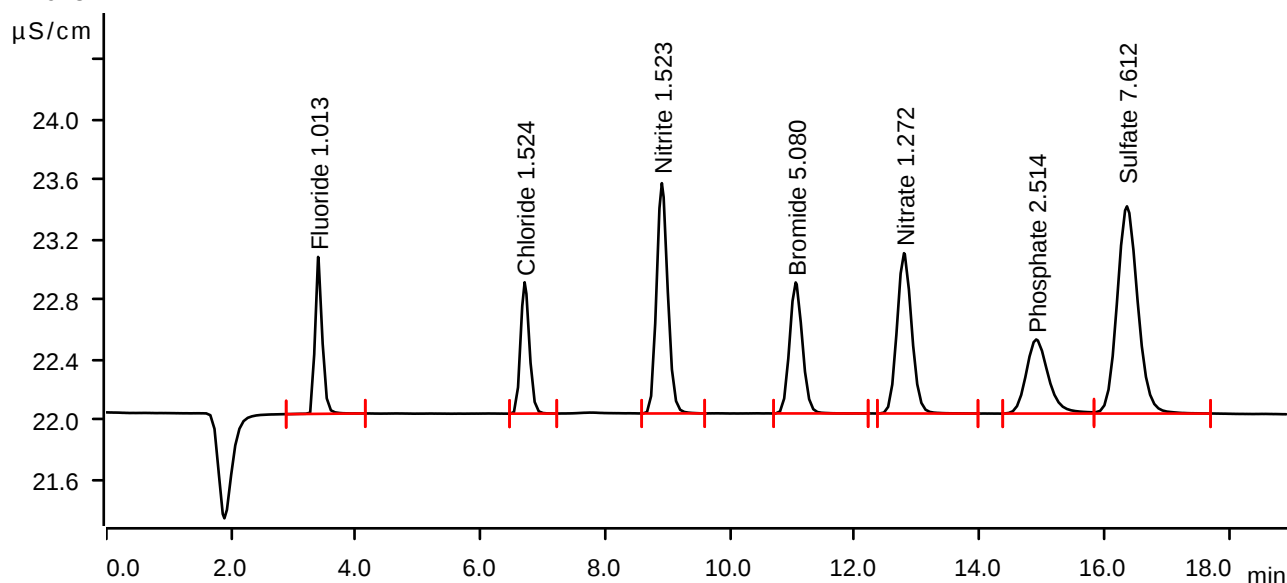
Sample data

Ident STD4
Sample type Standard 4
Determination start 2025-02-21 12:09:35 UTC-5
Method IC1-022125
Operator

Anions

Data source Conductivity detector 1 (Eco IC 1)
Channel Conductivity
Recording time 19.0 min
Integration Automatically
Column type Metrosep A Supp 19 - 150/4.0
Eluent composition not defined
Flow 0.700 mL/min
Maximum flow monitored yes
Pressure 11.94 MPa
Maximum pressure monitored yes
Temperature ---- °C

Anions



Peak number	Retention time min	Area (µS/cm) x min	Height µS/cm	Concentration ppm	Component name
1	3.395	0.1386	1.042	1.013	Fluoride
2	6.707	0.1422	0.872	1.524	Chloride
3	8.907	0.3178	1.529	1.523	Nitrite
4	11.052	0.2073	0.870	5.080	Bromide
5	12.788	0.2904	1.064	1.272	Nitrate
6	14.908	0.2036	0.492	2.514	Phosphate
7	16.363	0.5305	1.376	7.612	Sulfate

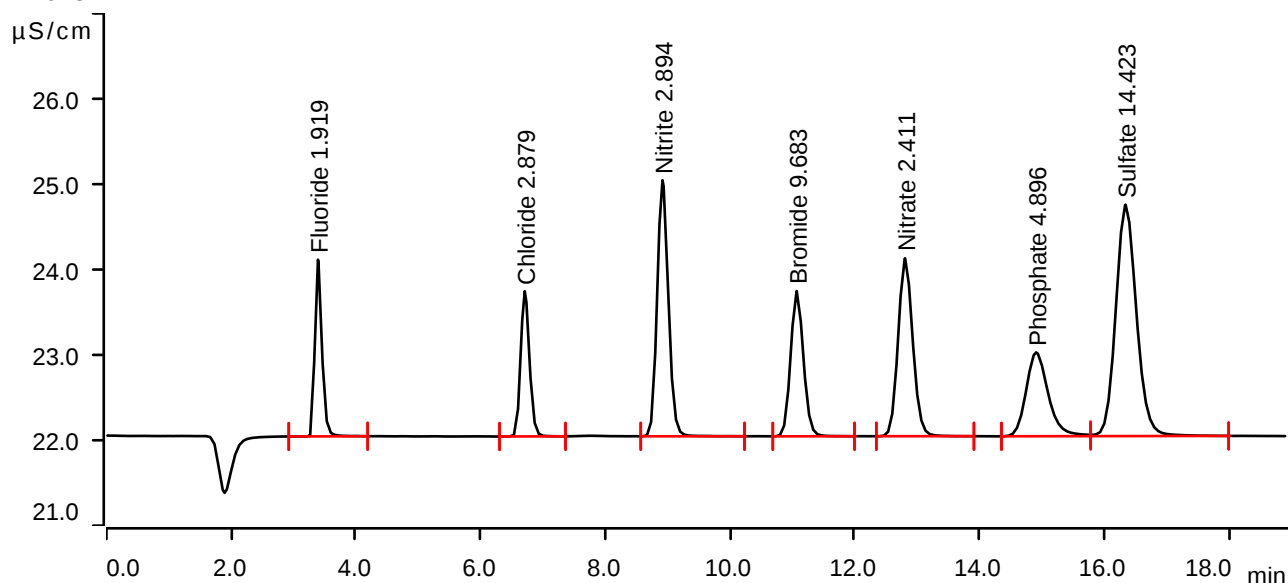
Sample data

Ident STD5
Sample type Standard 5
Determination start 2025-02-21 12:31:01 UTC-5
Method IC1-022125
Operator

Anions

Data source Conductivity detector 1 (Eco IC 1)
Channel Conductivity
Recording time 19.0 min
Integration Automatically
Column type Metrosep A Supp 19 - 150/4.0
Eluent composition not defined
Flow 0.700 mL/min
Maximum flow monitored yes
Pressure 11.88 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	0.2728	2.069	1.919	Fluoride
2	6.708	0.2780	1.702	2.879	Chloride
3	8.917	0.6246	3.000	2.894	Nitrite
4	11.068	0.4054	1.702	9.683	Bromide
5	12.807	0.5675	2.085	2.411	Nitrate
6	14.907	0.4026	0.982	4.896	Phosphate
7	16.342	1.0436	2.711	14.423	Sulfate

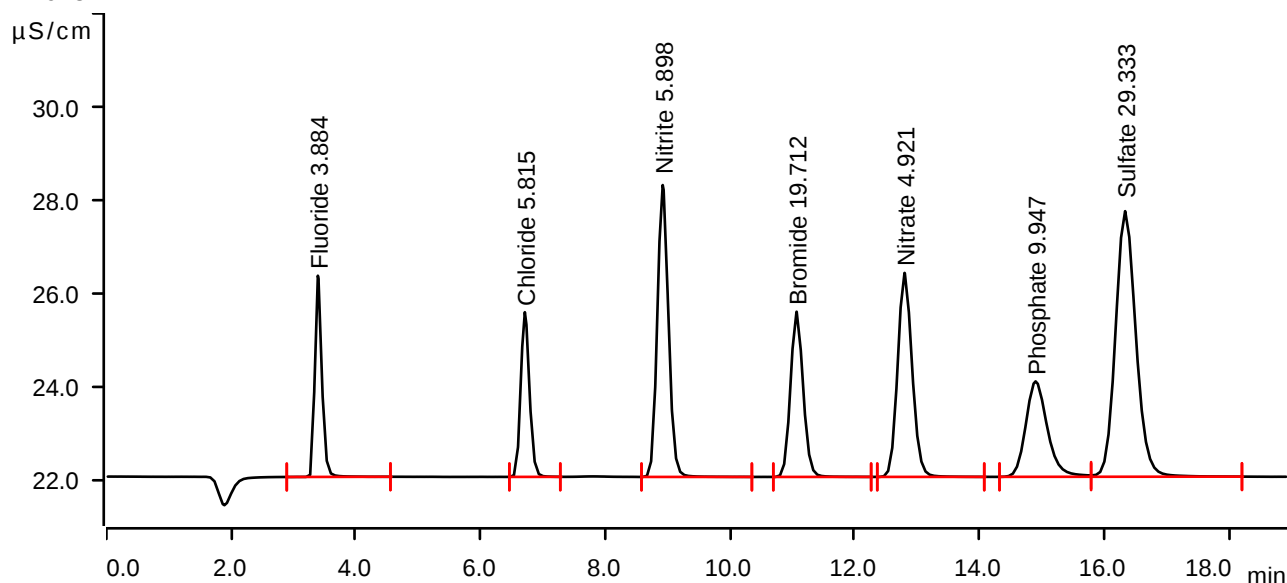
Sample data

Ident STD6
Sample type Standard 6
Determination start 2025-02-21 12:52:27 UTC-5
Method IC1-022125
Operator

Anions

Data source Conductivity detector 1 (Eco IC 1)
Channel Conductivity
Recording time 19.0 min
Integration Automatically
Column type Metrosep A Supp 19 - 150/4.0
Eluent composition not defined
Flow 0.700 mL/min
Maximum flow monitored yes
Pressure 11.94 MPa
Maximum pressure monitored yes
Temperature ---- °C

Anions



Peak number	Retention time min	Area (µS/cm) x min	Height µS/cm	Concentration ppm	Component name
1	3.392	0.5636	4.320	3.884	Fluoride
2	6.710	0.5722	3.536	5.815	Chloride
3	8.920	1.2971	6.268	5.898	Nitrite
4	11.065	0.8370	3.548	19.712	Bromide
5	12.797	1.1784	4.381	4.921	Nitrate
6	14.898	0.8246	2.050	9.947	Phosphate
7	16.333	2.1670	5.703	29.333	Sulfate

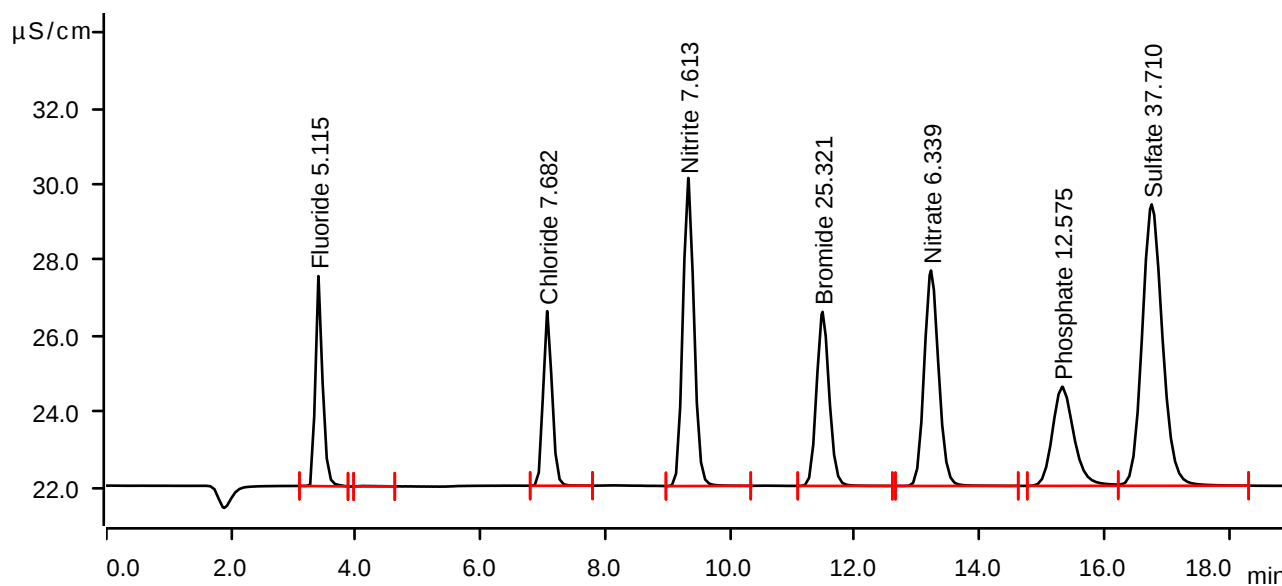
Sample data

Ident STD7
Sample type Standard 7
Determination start 2025-02-21 13:13:53 UTC-5
Method IC1-022125
Operator

Anions

Data source Conductivity detector 1 (Eco IC 1)
Channel Conductivity
Recording time 19.0 min
Integration Automatically
Column type Metrosep A Supp 19 - 150/4.0
Eluent composition not defined
Flow 0.700 mL/min
Maximum flow monitored yes
Pressure 11.88 MPa
Maximum pressure monitored yes
Temperature ---- °C

Anions



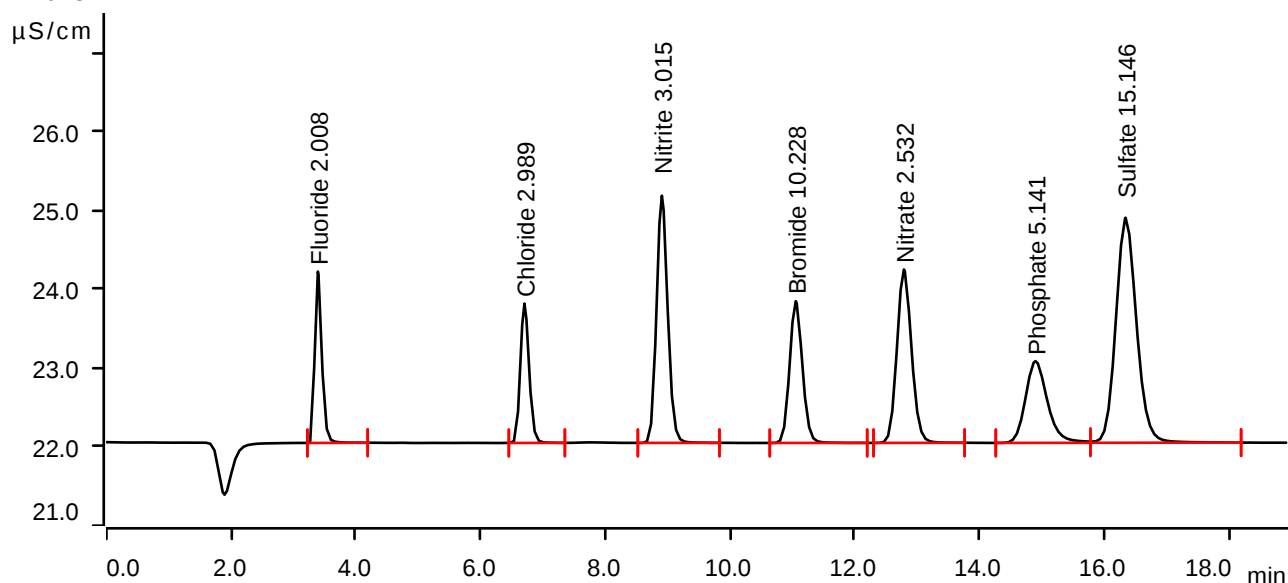
Peak number	Retention time min	Area ($\mu\text{S/cm}$) x min	Height $\mu\text{S/cm}$	Concentration ppm	Component name
1	3.400	0.7457	5.535	5.115	Fluoride
2	4.197	0.0046	0.012	invalid	
3	7.070	0.7592	4.602	7.682	Chloride
4	9.330	1.6810	8.120	7.613	Nitrite
5	11.483	1.0784	4.588	25.321	Bromide
6	13.222	1.5233	5.678	6.339	Nitrate
7	15.325	1.0441	2.611	12.575	Phosphate
8	16.760	2.7982	7.416	37.710	Sulfate

Sample data

Ident ICV
 Sample type Check standard 1
 Determination start 2025-02-21 13:35:21 UTC-5
 Method IC1-022125
 Operator

Anions

Data source Conductivity detector 1 (Eco IC 1)
 Channel Conductivity
 Recording time 19.0 min
 Integration Automatically
 Column type Metrosep A Supp 19 - 150/4.0
 Eluent composition not defined
 Flow 0.700 mL/min
 Maximum flow monitored yes
 Pressure 11.94 MPa
 Maximum pressure monitored yes
 Temperature ---- °C

Anions

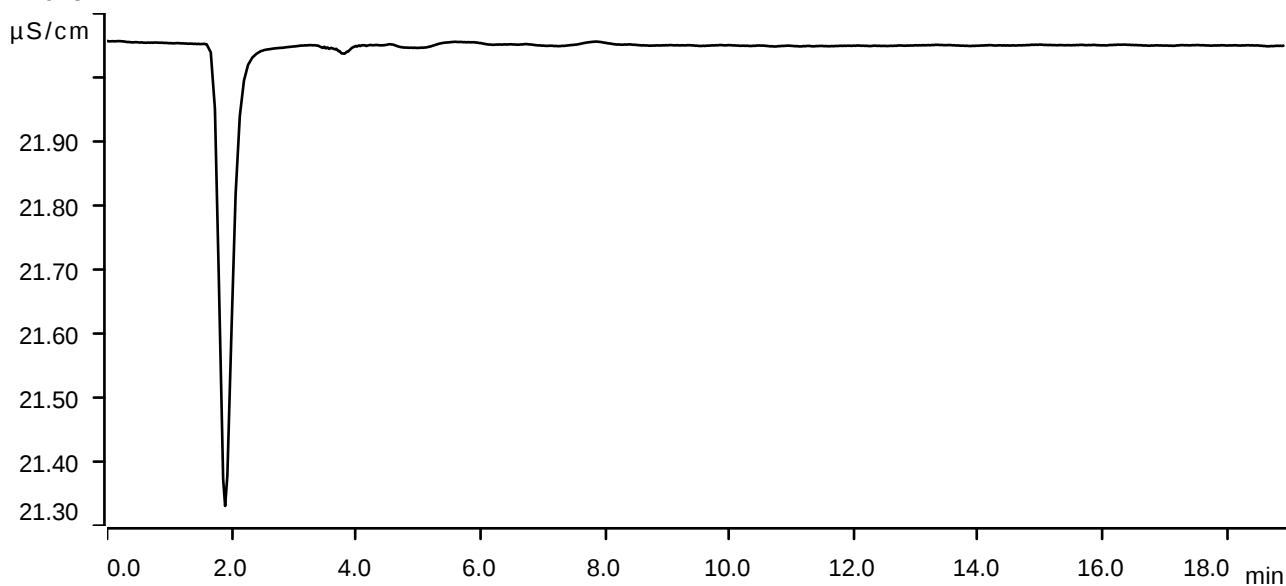
Peak number	Retention time min	Area (µS/cm) x min	Height µS/cm	Concentration ppm	Component name
1	3.392	0.2859	2.174	2.008	Fluoride
2	6.703	0.2890	1.769	2.989	Chloride
3	8.907	0.6518	3.137	3.015	Nitrite
4	11.053	0.4289	1.799	10.228	Bromide
5	12.787	0.5971	2.200	2.532	Nitrate
6	14.897	0.4230	1.038	5.141	Phosphate
7	16.342	1.0982	2.855	15.146	Sulfate

Sample data

Ident ICB
Sample type Sample
Determination start 2025-02-21 13:56:49 UTC-5
Method IC1-022125
Operator

Anions

Data source Conductivity detector 1 (Eco IC 1)
Channel Conductivity
Recording time 19.0 min
Integration Automatically
Column type Metrosep A Supp 19 - 150/4.0
Eluent composition not defined
Flow 0.700 mL/min
Maximum flow monitored yes
Pressure 11.88 MPa
Maximum pressure monitored yes
Temperature ---- °C

Anions

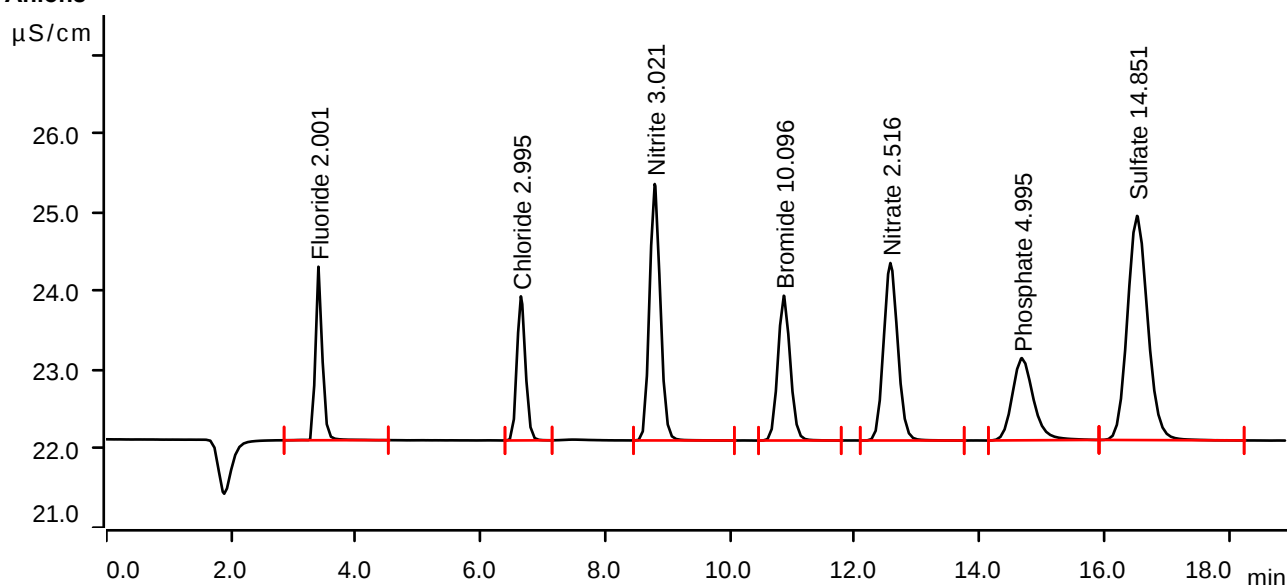
Sample data

Ident CCV
Sample type Check standard 1
Determination start 2025-02-28 09:46:57 UTC-5
Method IC1-022125
Operator

Anions

Data source Conductivity detector 1 (Eco IC 1)
Channel Conductivity
Recording time 19.0 min
Integration Automatically
Column type Metrosep A Supp 19 - 150/4.0
Eluent composition not defined
Flow 0.700 mL/min
Maximum flow monitored yes
Pressure 11.60 MPa
Maximum pressure monitored yes
Temperature ---- °C

Anions



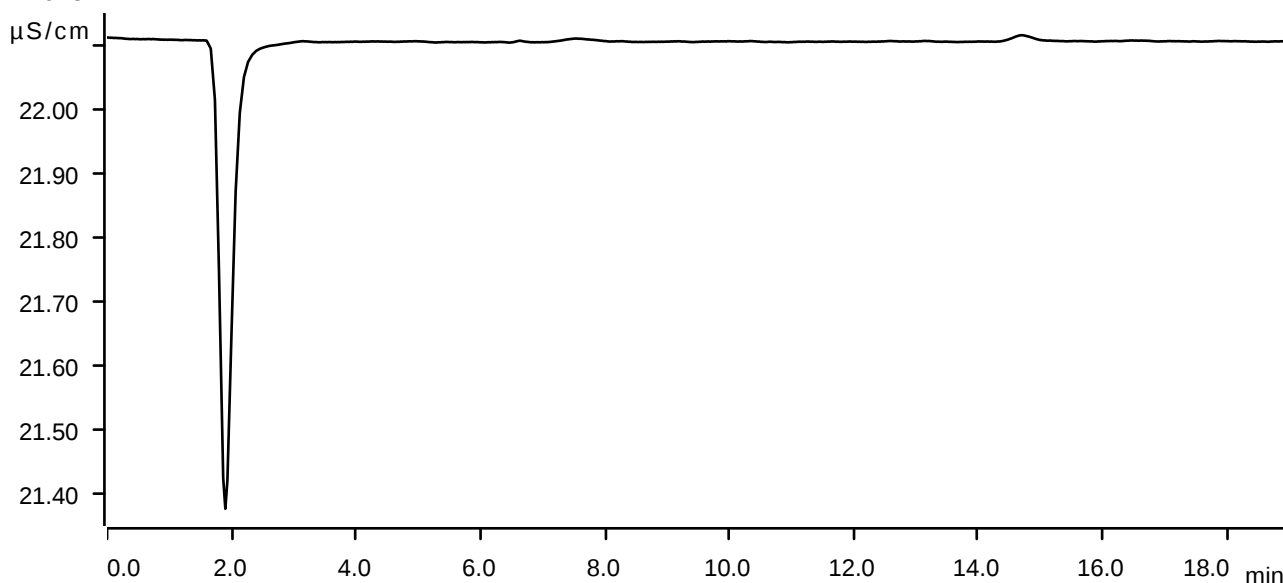
Peak number	Retention time min	Area (µS/cm) x min	Height µS/cm	Concentration ppm	Component name
1	3.400	0.2849	2.202	2.001	Fluoride
2	6.647	0.2896	1.828	2.995	Chloride
3	8.792	0.6531	3.254	3.021	Nitrite
4	10.862	0.4232	1.837	10.096	Bromide
5	12.570	0.5931	2.253	2.516	Nitrate
6	14.678	0.4109	1.043	4.995	Phosphate
7	16.525	1.0759	2.845	14.851	Sulfate

Sample data

Ident CCB
Sample type Sample
Determination start 2025-02-28 10:08:27 UTC-5
Method IC1-022125
Operator

Anions

Data source Conductivity detector 1 (Eco IC 1)
Channel Conductivity
Recording time 19.0 min
Integration Automatically
Column type Metrosep A Supp 19 - 150/4.0
Eluent composition not defined
Flow 0.700 mL/min
Maximum flow monitored yes
Pressure 11.49 MPa
Maximum pressure monitored yes
Temperature ---- °C

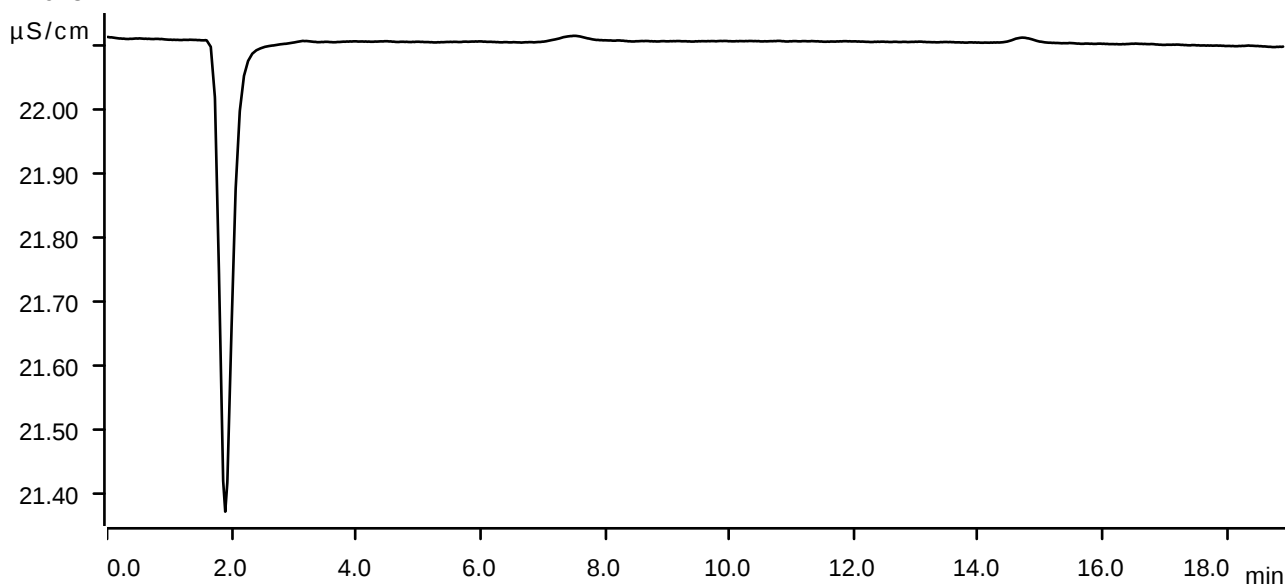
Anions

Sample data

Ident LB134842BLW
Sample type Sample
Determination start 2025-02-28 10:29:57 UTC-5
Method IC1-022125
Operator

Anions

Data source Conductivity detector 1 (Eco IC 1)
Channel Conductivity
Recording time 19.0 min
Integration Automatically
Column type Metrosep A Supp 19 - 150/4.0
Eluent composition not defined
Flow 0.700 mL/min
Maximum flow monitored yes
Pressure 11.77 MPa
Maximum pressure monitored yes
Temperature ---- °C

Anions

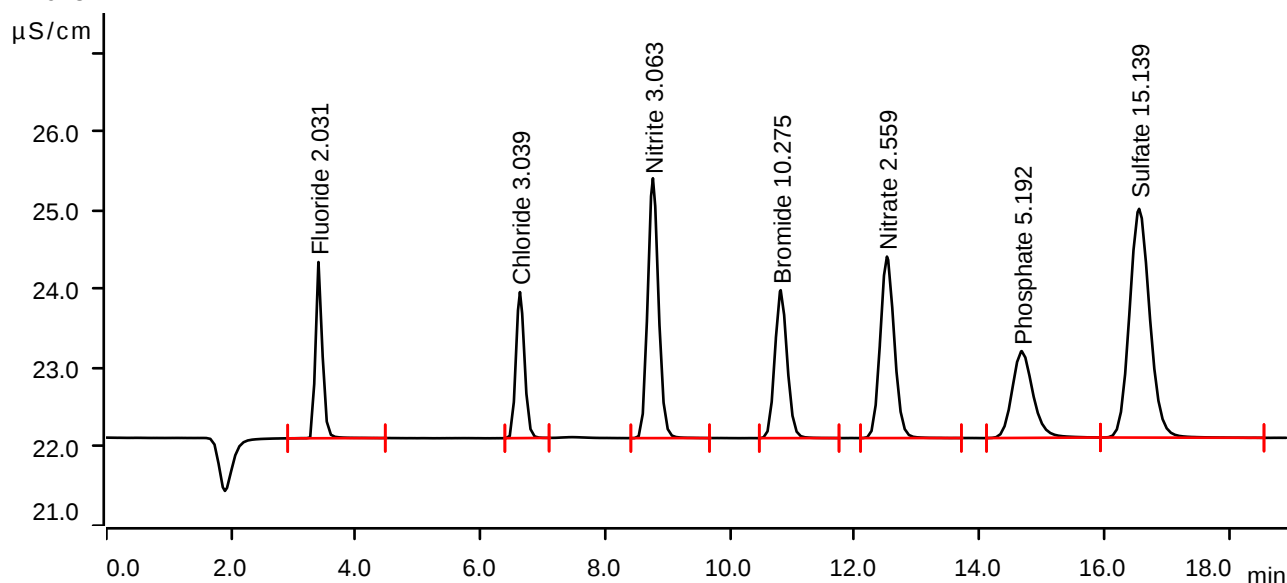
Sample data

Ident LB134842BSW
Sample type Check standard 1
Determination start 2025-02-28 10:51:28 UTC-5
Method IC1-022125
Operator

Anions

Data source Conductivity detector 1 (Eco IC 1)
Channel Conductivity
Recording time 19.0 min
Integration Automatically
Column type Metrosep A Supp 19 - 150/4.0
Eluent composition not defined
Flow 0.700 mL/min
Maximum flow monitored yes
Pressure 11.26 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	0.2893	2.235	2.031	Fluoride
2	6.632	0.2940	1.853	3.039	Chloride
3	8.763	0.6625	3.298	3.063	Nitrite
4	10.812	0.4309	1.877	10.275	Bromide
5	12.515	0.6037	2.303	2.559	Nitrate
6	14.677	0.4273	1.101	5.192	Phosphate
7	16.558	1.0976	2.902	15.139	Sulfate

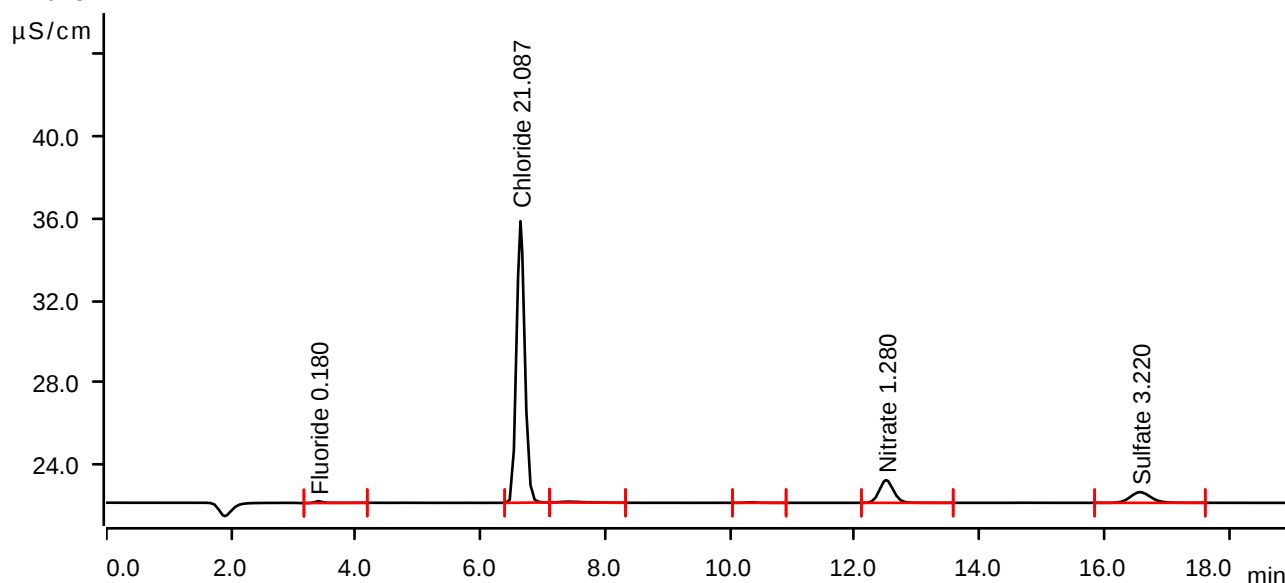
Sample data

Ident Q1466-05
Sample type Sample
Determination start 2025-02-28 11:13:00 UTC-5
Method IC1-022125
Operator

Anions

Data source Conductivity detector 1 (Eco IC 1)
Channel Conductivity
Recording time 19.0 min
Integration Automatically
Column type Metrosep A Supp 19 - 150/4.0
Eluent composition not defined
Flow 0.700 mL/min
Maximum flow monitored yes
Pressure 11.20 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	0.0154	0.090	0.180	Fluoride
2	6.640	2.1026	13.738	21.087	Chloride
3	7.428	0.0179	0.042	invalid	
4	10.333	0.0054	0.023	invalid	
5	12.502	0.2923	1.111	1.280	Nitrate
6	16.573	0.1996	0.524	3.220	Sulfate

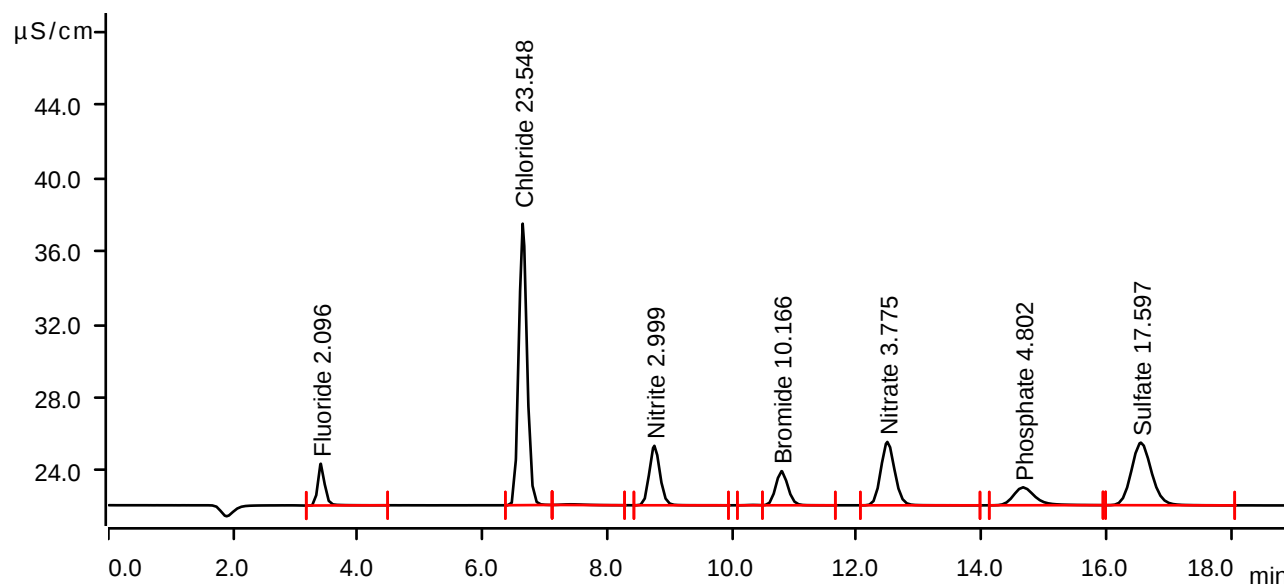
Sample data

Ident Q1466-05MS
Sample type Sample
Determination start 2025-02-28 11:34:33 UTC-5
Method IC1-022125
Operator

Anions

Data source Conductivity detector 1 (Eco IC 1)
Channel Conductivity
Recording time 19.0 min
Integration Automatically
Column type Metrosep A Supp 19 - 150/4.0
Eluent composition not defined
Flow 0.700 mL/min
Maximum flow monitored yes
Pressure 11.26 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	3.407	0.2989	2.281	2.096	Fluoride
2	6.643	2.3492	15.386	23.548	Chloride
3	7.407	0.0164	0.039	invalid	
4	8.755	0.6481	3.250	2.999	Nitrite
5	10.333	0.0044	0.021	invalid	
6	10.793	0.4262	1.866	10.166	Bromide
7	12.490	0.8995	3.464	3.775	Nitrate
8	14.665	0.3947	0.981	4.802	Phosphate
9	16.555	1.2828	3.421	17.597	Sulfate

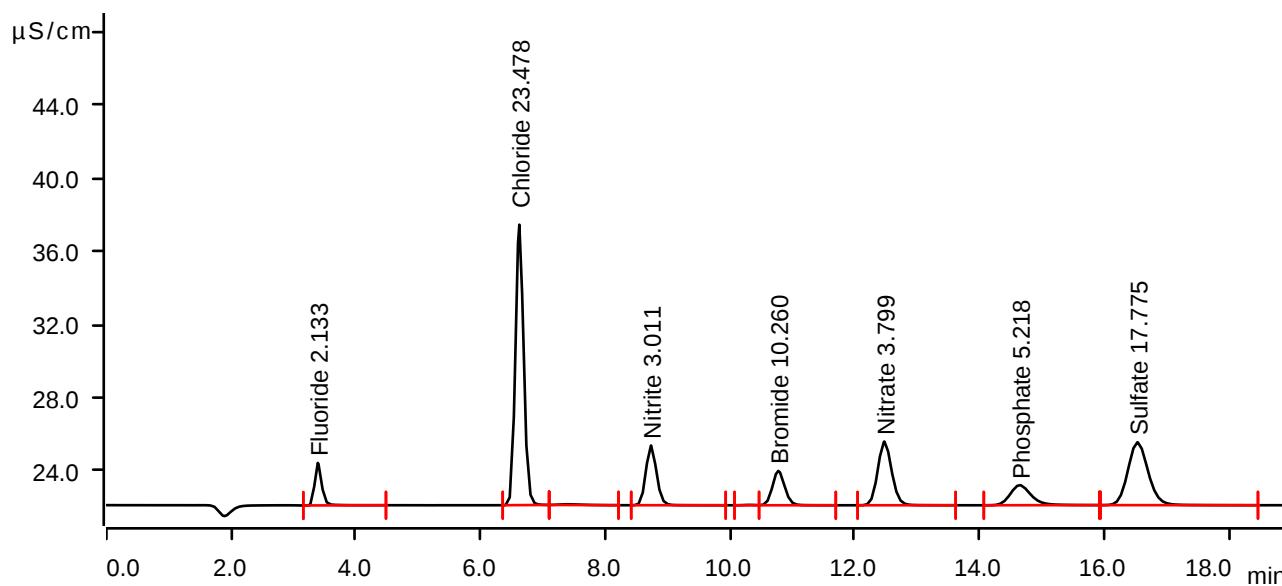
Sample data

Ident Q1466-05MSD
Sample type Sample
Determination start 2025-02-28 11:56:07 UTC-5
Method IC1-022125
Operator

Anions

Data source Conductivity detector 1 (Eco IC 1)
Channel Conductivity
Recording time 19.0 min
Integration Automatically
Column type Metrosep A Supp 19 - 150/4.0
Eluent composition not defined
Flow 0.700 mL/min
Maximum flow monitored yes
Pressure 11.77 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	3.390	0.3044	2.324	2.133	Fluoride
2	6.622	2.3421	15.329	23.478	Chloride
3	7.398	0.0171	0.041	invalid	
4	8.732	0.6509	3.265	3.011	Nitrite
5	10.308	0.0044	0.020	invalid	
6	10.773	0.4302	1.879	10.260	Bromide
7	12.475	0.9054	3.482	3.799	Nitrate
8	14.643	0.4295	1.095	5.218	Phosphate
9	16.532	1.2962	3.443	17.775	Sulfate

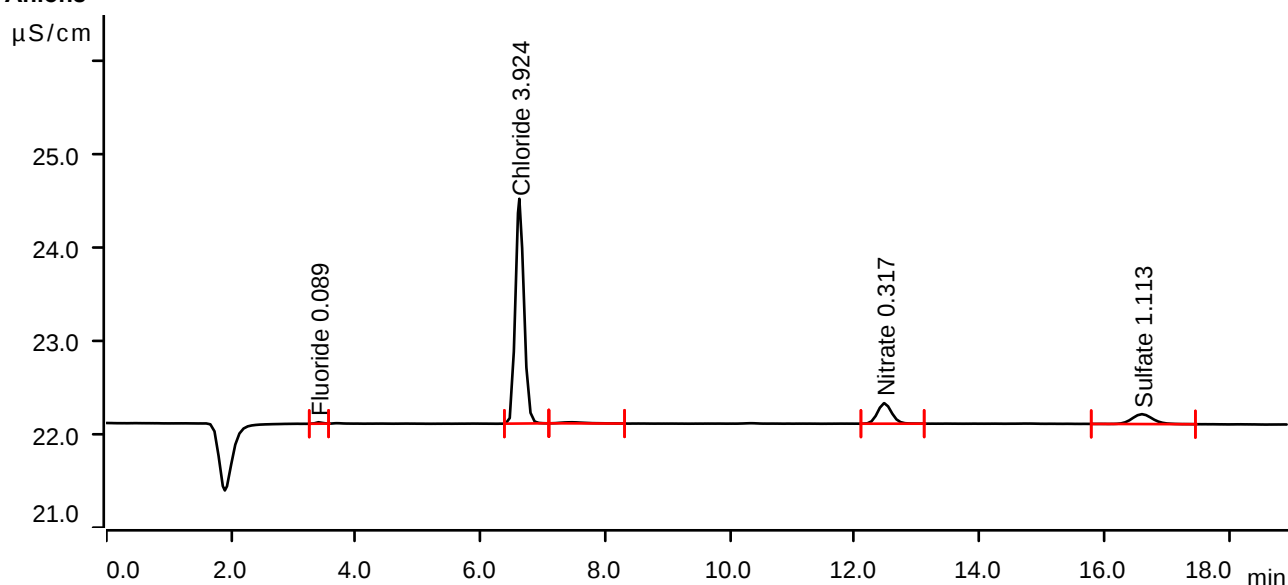
Sample data

Ident Q1466-05DLX5
Sample type Sample
Determination start 2025-02-28 12:39:13 UTC-5
Method IC1-022125
Operator

Anions

Data source Conductivity detector 1 (Eco IC 1)
Channel Conductivity
Recording time 19.0 min
Integration Automatically
Column type Metrosep A Supp 19 - 150/4.0
Eluent composition not defined
Flow 0.700 mL/min
Maximum flow monitored yes
Pressure 11.04 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	3.403	0.0019	0.015	0.089	Fluoride
2	6.622	0.3827	2.414	3.924	Chloride
3	7.468	0.0056	0.012	invalid	
4	12.473	0.0580	0.220	0.317	Nitrate
5	16.607	0.0409	0.106	1.113	Sulfate

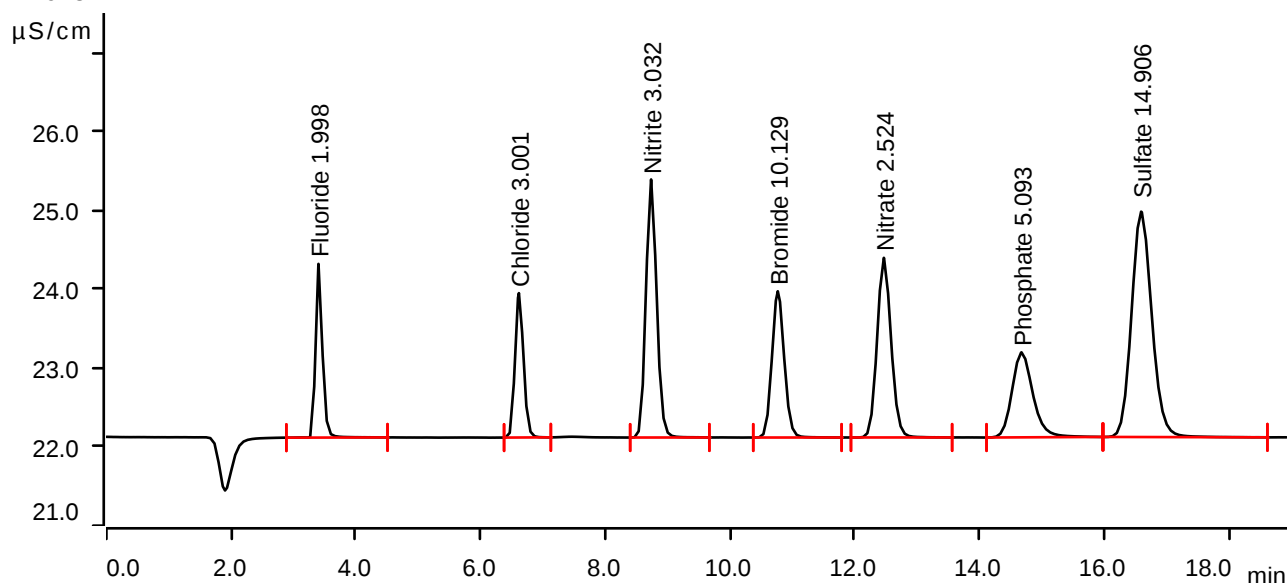
Sample data

Ident CCV
Sample type Check standard 1
Determination start 2025-02-28 13:00:48 UTC-5
Method IC1-022125
Operator

Anions

Data source Conductivity detector 1 (Eco IC 1)
Channel Conductivity
Recording time 19.0 min
Integration Automatically
Column type Metrosep A Supp 19 - 150/4.0
Eluent composition not defined
Flow 0.700 mL/min
Maximum flow monitored yes
Pressure 11.04 MPa
Maximum pressure monitored yes
Temperature ---- °C

Anions



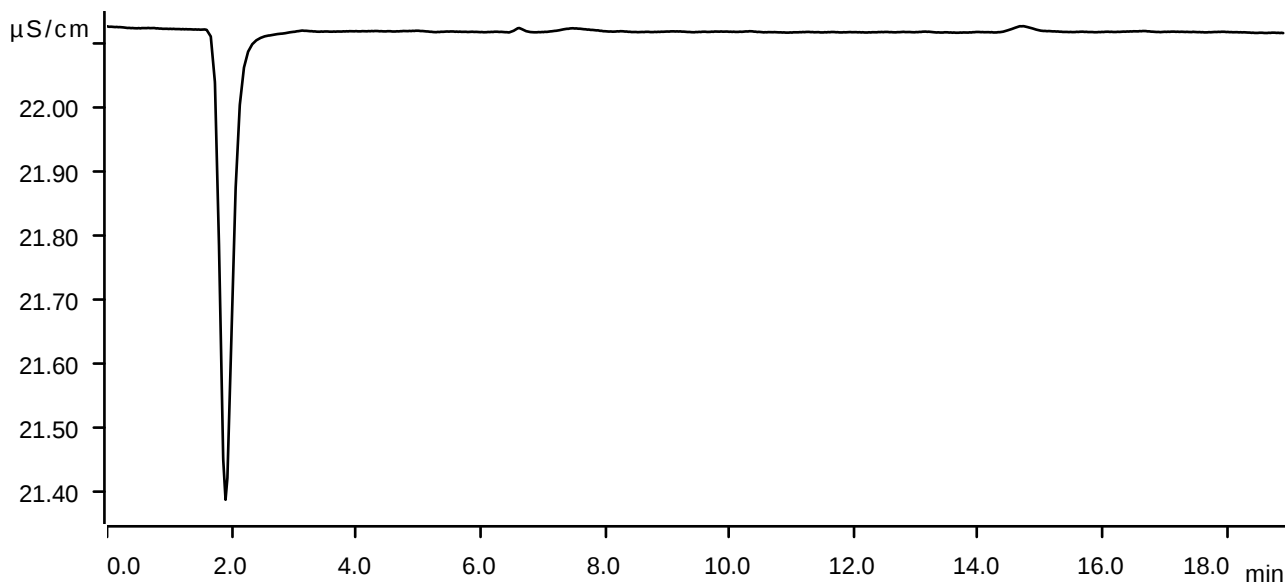
Peak number	Retention time min	Area (µS/cm) x min	Height µS/cm	Concentration ppm	Component name
1	3.402	0.2844	2.204	1.998	Fluoride
2	6.615	0.2902	1.832	3.001	Chloride
3	8.733	0.6555	3.275	3.032	Nitrite
4	10.765	0.4246	1.856	10.129	Bromide
5	12.465	0.5950	2.279	2.524	Nitrate
6	14.673	0.4191	1.078	5.093	Phosphate
7	16.590	1.0801	2.860	14.906	Sulfate

Sample data

Ident CCB
Sample type Sample
Determination start 2025-02-28 13:22:18 UTC-5
Method IC1-022125
Operator

Anions

Data source Conductivity detector 1 (Eco IC 1)
Channel Conductivity
Recording time 19.0 min
Integration Automatically
Column type Metrosep A Supp 19 - 150/4.0
Eluent composition not defined
Flow 0.700 mL/min
Maximum flow monitored yes
Pressure 11.04 MPa
Maximum pressure monitored yes
Temperature ---- °C

Anions

Extraction and Analytical Summary Report

Analysis Method: 1664A
Test: Oil and Grease
Run Number: LB134850
Analysis Date: 02/28/2025
BalanceID: WC SC-6
OvenID: EXT OVEN-3

ANALYST: jignesh
REVIEWED BY: Iwona
Extraction Date: 02/28/2025
Extraction IN Time: 08:11
Extraction OUT Time: 09:30
Thermometer ID: EXT OVEN#3

Dish #	Lab ID	Client ID	Matrix	pH	Sample Vol (ml)	Final Volume (ml)	Empty Dish Weight (g)	Final Empty Dish Weight (g)	Silica Gel Weight (g)	Weight After Drying (g)	Final Weight After Drying (g)	Change Weight (g)	Result in ppm
1	LB134850BL	LB134850BL	WATER	1.3	1000	100	3.1053	3.1053	0	3.1054	3.1054	0.0001	0.1
2	LB134850BS	LB134850BS	WATER	1.3	1000	100	2.8606	2.8606	0	2.8776	2.8776	0.0170	17
3	Q1417-01	LRSA-MOD-1	WATER	1.3	1000	100	3.0201	3.0201	0	3.0203	3.0203	0.0002	0.2
4	Q1466-01	EFFLUENT	WATER	1.6	1000	100	3.0230	3.0230	0	3.0696	3.0696	0.0466	46.6
5	Q1466-02	Q1466-01MS	WATER	1.6	1000	100	2.9637	2.9637	0	3.0304	3.0304	0.0667	66.7
6	Q1466-03	Q1466-01MSD	WATER	1.6	1000	100	2.9971	2.9971	0	3.0636	3.0636	0.0665	66.5

QC Batch# LB134850

Test: Oil and Grease

Analysis Date: 02/28/2025

Chemicals Used:

Chemical Name	Chemical Lot #
HEXANE	W3177
pH Paper 0-14	M6069
Sodium Sulfate	EP2590
1:1 HCL	WP110826
Silica Gel	NA
Sand	NA

Standards Used:

Standard Name	Amount Used	Standard Lot #
LCSW	2.5 ML	WP100827
LCSWD	NA	NA
MS/MSD	2.5 ML	WP100828

BALANCE CALIBRATION / OVEN Dessicator Data

Analytical Balance ID # : WC SC-6

Before Analysis

0.0020 gram Balance: 0.0018 (0.0018-0.0022) In OVEN TEMP1 : 70 °C Dessicator Time In1 : 11:00

1.0000 gram Balance: 1.0004 (0.9950-1.0050) In Time1: 10:25

Bal Check Time: 08:15 Out OVEN TEMP1: 70 °C Dessicator Time Out1: 11:30

Out Time1: 10:26

After Analysis

0.0020 gram Balance: 0.0019 (0.0018-0.0022) In OVEN TEMP2 : 71 °C Dessicator Time In2 : 12:31

1.0000 gram Balance: 1.0005 (0.9950-1.0050) In Time2: 12:00

Bal Check Time: 13:10 Out OVEN TEMP2: 71 °C Dessicator Time Out2: 13:00

Out Time2: 12:30

WORKLIST(Hardcopy Internal Chain)

UP 134850

WorkList Name : oil & grease p1417

WorkList ID : 187951

Department : Wet-Chemistry

Date : 02-28-2025 07:41:55

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1417-01	LRSA-MOD-1	Water	Oil and Grease	Conc H2SO4 to pH < 2	PSEG04	H31	02/24/2025	1664A
Q1466-01	EFFLUENT	Water	Oil and Grease	Conc H2SO4 to pH < 2	HOLL01	H11	02/27/2025	1664A
Q1466-02	Q1466-01MS	Water	Oil and Grease	Conc H2SO4 to pH < 2	HOLL01	H11	02/27/2025	1664A
Q1466-03	Q1466-01MSD	Water	Oil and Grease	Conc H2SO4 to pH < 2	HOLL01	H11	02/27/2025	1664A

Date/Time 02/28/25 08:00

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

Date/Time 02/28/25 11:45

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

TOTAL SUSPENDED SOLIDS - SM2540D

SUPERVISOR: Iwona

ANALYST: jignesh

Date: 02/27/2025

Run Number: LB134851

BalanceID: WC SC-6

OvenID: WC OVEN-1

FilterID: 17416528

ThermometerID: WET OVEN#1

TEMP1 IN: 103 °C 02/27/2025 14:00 **TEMP1 OUT:** 104 °C 02/27/2025 15:00
TEMP2 IN: 104 °C 02/27/2025 15:30 **TEMP2 OUT:** 103 °C 02/27/2025 16:30
TEMP3 IN: 104 °C 02/28/2025 11:00 **TEMP3 OUT:** 103 °C 02/28/2025 12:30
TEMP4 IN: 104 °C 02/28/2025 13:00 **TEMP4 OUT:** 103 °C 02/28/2025 14:30

Dish #	Lab ID	Client ID	Empty Dish Weight (g)	Final Empty Dish Weight (g)	Sample Volume (ml)	1st Empty Dish+Sample weight after 1.5hr drying @103-@105°C (g)	2nd Empty Dish+Sample weight after 1.5hr drying @103-@105°C (g)	Final Empty Dish+Sample weight after 1.5hr drying @103-@105°C (g)	Weight (g)	Result mg/L
1	LB134851BL	LB134851BL	1.4532	1.4532	100	1.4532	1.4532	1.4532	0.0000	0
2	LB134851BS	LB134851BS	1.4305	1.4305	100	1.4838	1.4838	1.4838	0.0533	533
3	Q1429-01	OUTFALL-DSN-001	1.4948	1.4948	1000	1.5008	1.5008	1.5008	0.0060	6
4	Q1429-02	OUTFALL-DSN-002	1.4782	1.4782	1000	1.6476	1.6476	1.6476	0.1694	169.4
5	Q1431-02	COMP	1.4841	1.4841	400	1.5757	1.5757	1.5757	0.0916	229
6	Q1431-02DUP	COMPDUP	1.4569	1.4569	400	1.5487	1.5487	1.5487	0.0918	229.5
7	Q1435-01	286107	1.4828	1.4828	2000	1.5015	1.5015	1.5015	0.0187	9.3
8	Q1439-01	LRSA-MOD	1.4890	1.4890	2000	1.4928	1.4928	1.4928	0.0038	1.9
9	Q1456-02	EFF-WASTE WATER	1.4897	1.4897	500	1.5078	1.5078	1.5078	0.0181	36.2
10	Q1466-01	EFFLUENT	1.4901	1.4901	50	1.5151	1.5151	1.5151	0.0250	500
11	Q1466-04	AERATION	1.4964	1.4964	30	1.5532	1.5532	1.5532	0.0568	1893.3

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

Weight (g) = C - B

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

Analytical Summary Report

Analysis Method: SM4500 Cl G

ANALYST: Niha

Parameter: Residual Chlorine

SUPERVISOR REVIEW BY: Iwona

Run Number: LB134852

Reagent/Standard	Lot/Log #
Residual chlorine ICV-LCS, 0.4PPM	WP112109
Chlorine Calibration std, 0.1ppm	WP112104
Chlorine Calibration std, 0.2ppm	WP112105
Chlorine Calibration std, 0.8ppm	WP112106
Chlorine Calibration std, 0.0ppm	WP112103
Chlorine Calibration std, 1.6ppm	WP112107
Residual Chlorine Calibration and CCV std, 0	WP112108
Total Chlorine Powder Pillows	W3147

Intercept: 0.0180

Slope: 0.9361

Regression: 0.999504

Seq	Lab ID	True Val (mg/l)	DF	Initial Reading	Final Reading	Difference	Result (mg/l)	%D	AnalDate	Anal Time
1	CAL1	0	1	0.000	0.000	0.000	-0.02		02/28/2025	09:35
2	CAL2	0.1	1	0.000	0.100	0.100	0.09	-12	02/28/2025	09:38
3	CAL3	0.2	1	0.000	0.210	0.210	0.21	2.5	02/28/2025	09:41
4	CAL4	0.4	1	0.000	0.410	0.410	0.42	4.7	02/28/2025	09:44
5	CAL5	0.8	1	0.000	0.790	0.790	0.83	3.1	02/28/2025	09:47
6	CAL6	1.6	1	0.000	1.500	1.500	1.58	-1.1	02/28/2025	09:50

Analytical Summary Report

Analysis Method: SM4500 Cl G

ANALYST: Niha

Parameter: Residual Chlorine

SUPERVISOR REVIEW BY: Iwona

Run Number: LB134852

Seq	Lab ID	Initial Weight	Final Vol	True Value (mg/L)	DF	Initial Reading	Final Reading	Diff.	Result (mg/L)	Anal Date	Anal Time
1	ICV			0.4	1	0.0000	0.4000	0.4000	0.4080	02/28/2025	09:53
2	ICB				1	0.0000	0.0000	0.0000	-0.0190	02/28/2025	09:56
3	CCV1			0.4	1	0.0000	0.4100	0.4100	0.4190	02/28/2025	09:59
4	CCB1				1	0.0000	0.0000	0.0000	-0.0190	02/28/2025	10:02
5	LB134852BL	50	50		1	0.0000	0.0000	0.0000	-0.0190	02/28/2025	10:05
6	LB134852BS	50	50	0.4	1	0.0000	0.4000	0.4000	0.4080	02/28/2025	10:08
7	Q1466-05	50	50		1	0.0000	1.0000	1.0000	1.0490	02/28/2025	10:11
8	Q1466-05DUP	50	50		1	0.0000	0.9800	0.9800	1.0280	02/28/2025	10:14
9	Q1466-05MS	50	50	0.4	1	0.0000	1.3500	1.3500	1.4230	02/28/2025	10:17
10	Q1466-05MSD	50	50	0.4	1	0.0000	1.3600	1.3600	1.4340	02/28/2025	10:20
11	CCV2			0.4	1	0.0000	0.4100	0.4100	0.4190	02/28/2025	10:23
12	CCB2				1	0.0000	0.0000	0.0000	-0.0190	02/28/2025	10:27

WORKLIST(Hardcopy Internal Chain)

LB134 852

WorkList Name : RESIDUAL CHLORINE-C

WorkList ID : 187966

Department : Wet-Chemistry

Date : 02-28-2025 09:04:32

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1466-05	CITY WATER	Water	Residual Chlorine	Cool 4 deg C	HOLL01	H11	02/27/2025	SM4500 Cl G

Date/Time 02-28-2025 , 09:15
Raw Sample Received by: NFWC
Raw Sample Relinquished by: NFWC

Date/Time 02-28-2025 , 10:3
Raw Sample Received by: NFWC
Raw Sample Relinquished by: NFWC

BOD5 LOG

ANALYST: rubin
Inst Id :DO METER
LB :LB134855

Reviewed By:Iwona
On:3/6/2025 2:38:26
PM

SUPERVISOR: Iwona

QC BATCH ID: LB134855

Analysis Date: 02/28/2025

BOD Water: WP112138

MANGANOUS SULFATE SOLUTION: W3103

Starch: W3149

Alkaline Iodide Azide: W3109

Sulfuric acid, 1N: WP110386

Sodium Thiosulfate, 0.025N: W3105

POLYSEED: WP112140

NaOH, 1N: WP111323

GGA: WP112139

IncubatorID: INCUBATOR #3

Chlorine Strips: W3155

GuageID: 0511062

pH Strips: W3140

Zero DO: WP111875

Lab SampleID	Client ID	Bottle No.	VOL. ML	Initial Reading (ML)	Final Reading (ML)	Difference	Average
WINKLER 1	WINKLER 1	1	300	0.0	9.2	9.2	9.2
WINKLER 2	WINKLER 2	2	300	9.5	18.7	9.2	9.2

Meter Calibration1: 9.10

Zero DO Reading1: 0.14 mg/L (<=0.2 Criteria)

Barometric Pressure1: 755 mmHg

DO Meter BOD fluid reading for winkler comparison: 9.26

After Incubation

Meter Calibration2: 9.28

Zero DO Reading2: 0.14 mg/L (<=0.2 Criteria)

Barometric Pressure2: 755 mmHg



QC BATCH ID: LB134855

INCUBATOR TEMP IN(C): 19.9

INCUBATOR TEMP OUT(C): 20.1

TIME IN: 16:00

TIME OUT: 13:30

DATE IN: 02/28/2025

DATE OUT: 03/05/2025

Lab SampleID	Bottle No.	Check CL	Initial PH	Final PH	Temp °C	Sam Vol. (mL)	D.O.1 Initial	D.O.2 Final	Depletion	BOD Result (mg/L)	Avg Result (mg/L)	Comment
LB134855BL	1	No	6.72	N/A	20.80	300	9.26	9.24	0.02	0.02	0.02	
POLYSEED	1					10	9.00	6.22	2.78	0.56	0.55	
POLYSEED	2					15	8.93	4.94	3.99	0.53		
POLYSEED	3					20	8.90	3.19	5.71	0.57		
GGA	1					6	9.04	4.69	4.35	190	185.5	
GGA	2					6	9.01	4.99	4.02	173.5		
GGA	3					6	9.01	4.60	4.41	193		
Q1456-02	1	No	5.73	7.04	20.20	0.5	9.24	8.84	-	0	224	pH Adjusted
Q1456-02	2					1	9.17	8.54	-	0		
Q1456-02	3					2	9.14	7.50	-	0		
Q1456-02	4					3	9.04	6.25	2.79	224		
Q1456-02DUP	1	No	5.73	7.04	20.20	0.5	9.22	8.90	-	0	213	pH Adjusted
Q1456-02DUP	2					1	9.17	8.69	-	0		
Q1456-02DUP	3					2	9.13	7.31	-	0		
Q1456-02DUP	4					3	9.04	6.36	2.68	213		
Q1466-01	1	No	7.49	N/A	20.20	0.1	9.28	4.76	4.52	11910	11910	
Q1466-01	2					0.5	9.26	0.17	-	0		
Q1466-01	3					1	9.25	0.11	-	0		
Q1466-01	4					5	9.22	0.08	-	0		
Q1466-01	5					10	9.19	0.05	-	0		

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

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

WORKLIST(Hardcopy Internal Chain)

LB134855

WorkList Name : BOD5-2-27

WorkList ID : 187945

Department : Wet-Chemistry

Date : 02-27-2025 17:35:37

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1456-02 B	EFF-WASTE WATER	Water	BOD5	Cool 4 deg C	ARDM01	H11	02/27/2025	SM5210 B
Q1466-01 D	EFFLUENT	Water	BOD5	Cool 4 deg C	HOLL01	H11	02/27/2025	SM5210 B

Date/Time 02/28/2025 13.00
 Raw Sample Received by: RM WWC
 Raw Sample Relinquished by: JH (COO)

Date/Time 02/28/2025 15.50
 Raw Sample Received by: JH (COO)
 Raw Sample Relinquished by: RM WWC

Analytical Summary Report

Analysis Method: SM4500-P E

ANALYST: Niha

Parameter: Phosphorus-Ortho

SUPERVISOR REVIEW BY: Iwona

Run Number: LB134865

Reagent/Standard	Lot/Log #
calibration std. phosphate 1 ppm	WP112146
calibration std. phosphate 0.5 ppm	WP112145
calibration std. phosphate 0.3 ppm	WP112144
calibration std. phosphate 0.1 ppm	WP112143
calibration std. phosphate 0.05 ppm	WP112142
calibration std. 0 ppm	WP112141
phosphate CCV std.	WP112148
5N sulfuric acid	WP110380
Combined reagent	WP112151
Phenolphthalein indicator	WP111415
Sodium hydroxide, 1N	WP111323
Phosphate ICV-LCS Std	WP112147

Intercept: -0.0037

Slope: 0.6544

Regression: 0.999674

Seq	Lab ID	True Value (mg/L)	DF	Initial Volume (mL)	Final Volume (mL)	Absorbance Reading at 880nm	Result (mg/L)	%D	AnalDate	AnalTime
1	CAL1	0.00	1	50	50	0.000	0.006		02/28/2025	16:40
2	CAL2	0.05	1	50	50	0.030	0.051	2	02/28/2025	16:40
3	CAL3	0.10	1	50	50	0.064	0.103	3	02/28/2025	16:41
4	CAL4	0.30	1	50	50	0.180	0.281	-6.3	02/28/2025	16:41
5	CAL5	0.50	1	50	50	0.328	0.507	1.4	02/28/2025	16:42
6	CAL6	1.00	1	50	50	0.652	1.002	0.2	02/28/2025	16:42

Analysis Method: SM4500-P E

ANALYST: Niha

Parameter: Phosphorus-Ortho

SUPERVISOR REVIEW BY: Iwona

Run Number: LB134865

Seq	Lab ID	True Value (mg/l)	DF	Initial Volume (mL)	Final Volume (mL)	Absorbance Reading at 880nm	Result (mg/L)	AnalDate	AnalTime
1	ICV	0.50	1	50	50	0.330	0.510	02/28/2025	16:43
2	ICB		1	50	50	0.000	0.006	02/28/2025	16:43
3	CCV1	0.5	1	50	50	0.330	0.510	02/28/2025	16:44
4	CCB1		1	50	50	0.000	0.006	02/28/2025	16:44
5	RL Check	0.01	1	50	50	0.033	0.056	02/28/2025	16:45
6	LB134865BL		1	50	50	0.000	0.006	02/28/2025	16:45
7	LB134865BS	0.5	1	50	50	0.328	0.507	02/28/2025	16:46
8	Q1466-01		1	50	50	0.051	0.084	02/28/2025	16:46
9	Q1466-01DUP		1	50	50	0.050	0.082	02/28/2025	16:47
10	Q1466-01MS	0.5	1	50	50	0.350	0.540	02/28/2025	16:47
11	Q1466-01MSD	0.5	1	50	50	0.348	0.537	02/28/2025	16:48
12	CCV2	0.5	1	50	50	0.324	0.501	02/28/2025	16:48
13	CCB2		1	50	50	0.000	0.006	02/28/2025	16:49

WORKLIST(Hardcopy Internal Chain)

LB134865

WorkList Name : ORTHO P-02282025

WorkList ID : 187967

Department : Wet-Chemistry

Date : 02-28-2025 09:04:53

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1466-01	EFFLUENT	Water	Phosphorus-Ortho	Cool 4 deg C	HOLL01	H11	02/27/2025	SM4500-P E

Date/Time 02-28-2025 , 12:45

Raw Sample Received by: NFWC

Raw Sample Relinquished by: [Signature]

Date/Time 02-28-2025

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: NFWC

Analytical Summary Report

Analysis Method: 365.3
Parameter: Phosphorus-Total
Run Number: LB134866

ANALYST: Niha
SUPERVISOR REVIEW BY: Iwona

Reagent/Standard	Lot/Log #
calibration std. phosphate 1 ppm	WP112146
calibration std. phosphate 0.5 ppm	WP112145
calibration std. phosphate 0.3 ppm	WP112144
calibration std. phosphate 0.1 ppm	WP112143
calibration std. phosphate 0.05 ppm	WP112142
calibration std. 0 ppm	WP112141
phosphate CCV std.	WP112148
5N sulfuric acid	WP110380
Combined reagent	WP112151
Phenolphthalein indicator	WP111415
Sodium hydroxide, 1N	WP111323
Phosphate ICV-LCS Std	WP112147

Intercept: -0.0046 Slope: 0.6654 Regression: 0.999567

Seq	Lab ID	True Value (mg/L)	DF	Initial Volume (mL)	Final Volume (mL)	Absorbance Reading at 880nm	Result (mg/L)	%D	AnalDate	AnalTime
1	CAL1	0.00	1	50	50	0.000	0.007		02/28/2025	15:30
2	CAL2	0.05	1	50	50	0.032	0.055	10	02/28/2025	15:30
3	CAL3	0.10	1	50	50	0.064	0.103	3	02/28/2025	15:31
4	CAL4	0.30	1	50	50	0.180	0.277	-7.7	02/28/2025	15:31
5	CAL5	0.50	1	50	50	0.330	0.503	0.6	02/28/2025	15:32
6	CAL6	1.00	1	50	50	0.664	1.005	0.5	02/28/2025	15:32

Analytical Summary Report

Analysis Method: 365.3

ANALYST: Niha

Parameter: Phosphorus-Total

SUPERVISOR REVIEW BY: Iwona

Run Number: LB134866

Seq	Lab ID	True Value (mg/l)	DF	Initial Volume (mL)	Final Volume (mL)	Absorbance Reading at 880nm	Result (mg/L)	AnalDate	AnalTime
1	ICV	0.50	1	50	50	0.332	0.506	02/28/2025	15:33
2	ICB		1	50	50	0.000	0.007	02/28/2025	15:33
3	CCV1	0.50	1	50	50	0.327	0.498	02/28/2025	15:34
4	CCB1		1	50	50	0.000	0.007	02/28/2025	15:34
5	RL Check	0.01	1	50	50	0.032	0.055	02/28/2025	15:35
6	PB166940BL		1	50	50	0.000	0.007	02/28/2025	15:35
7	PB166940BS	0.50	1	50	50	0.328	0.500	02/28/2025	15:36
8	Q1466-01		1	50	50	0.107	0.168	02/28/2025	15:36
9	Q1466-01DUP		1	50	50	0.108	0.169	02/28/2025	15:37
10	Q1466-01MS	0.50	1	50	50	0.394	0.599	02/28/2025	15:37
11	Q1466-01MSD	0.50	1	50	50	0.396	0.602	02/28/2025	15:38
12	CCV2	0.50	1	50	50	0.328	0.500	02/28/2025	15:38
13	CCB2		1	50	50	0.000	0.007	02/28/2025	15:39

LB134

Test results

Aquakem 7.2AQ1

Page:

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

Reviewed by : RIY Instrument ID : Konelab

3/6/2025 11:22

Test: Ammonia-N

Sample Id	Result	Dil. 1 +	Response	Errors
ICV1	0.996	0.0	0.154	
ICB1	0.003	0.0	0.019	
CCV1	0.952	0.0	0.148	
CCB1	0.007	0.0	0.019	
RL CHECK	0.102	0.0	0.032	
PB166997BL	0.016	0.0	0.021	
PB166997BS	0.989	0.0	0.153	
Q1466-01	16.460	0.0	2.257	Test limit high
Q1480-33	6.161	0.0	0.856	Test limit high
Q1494-01	0.237	0.0	0.051	
Q1494-01DUP	0.236	0.0	0.050	
Q1494-01MS	1.252	0.0	0.189	
Q1494-01MSD	1.244	0.0	0.188	
Q1495-01	5.358	0.0	0.747	Test limit high
CCV2	0.990	0.0	0.153	
CCB2	0.026	0.0	0.022	
Q1495-02	5.480	0.0	0.764	Test limit high
CCV3	0.981	0.0	0.152	
CCB3	0.015	0.0	0.020	
Q1466-01DLX10	1.627	0.0	0.240	
Q1495-01DLX5	1.026	0.0	0.158	
Q1495-02DLX5	1.069	0.0	0.164	
Q1480-33DLX5	1.238	0.0	0.187	
CCV4	1.018	0.0	0.157	
CCB4	0.013	0.0	0.020	

102% (50-150) 03/06/2025
RIY

N 25
Mean 1.900
SD 3.4932
CV% 183.87

Aquakem v. 7.2AQ1

Results from time period:

Thu Mar 06 09:13:05 2025

Thu Mar 06 11:17:12 2025

Sample Id	Sam/Ctr/c/	Test short r	Test type	Result	Result unit	Result date and time	Stat
0.0PPM	A	Ammonia-† P		0.0212	mg/l	3/6/2025 9:13:05	
0.1PPM	A	Ammonia-† P		0.1171	mg/l	3/6/2025 9:13:06	
0.2PPM	A	Ammonia-† P		0.2165	mg/l	3/6/2025 9:13:07	
0.4PPM	A	Ammonia-† P		0.3709	mg/l	3/6/2025 9:13:08	
1.0PPM	A	Ammonia-† P		0.9697	mg/l	3/6/2025 9:13:09	
1.3PPM	A	Ammonia-† P		1.2918	mg/l	3/6/2025 9:13:10	
2.0PPM	A	Ammonia-† P		2.0462	mg/l	3/6/2025 9:13:11	
ICV1	S	Ammonia-† P		0.9962	mg/l	3/6/2025 9:58:52	
ICB1	S	Ammonia-† P		0.0029	mg/l	3/6/2025 9:58:54	
CCV1	S	Ammonia-† P		0.9518	mg/l	3/6/2025 9:58:56	
CCB1	S	Ammonia-† P		0.0074	mg/l	3/6/2025 9:58:59	
RL CHECK	S	Ammonia-† P		0.1022	mg/l	3/6/2025 9:59:00	
PB166997BL	S	Ammonia-† P		0.0158	mg/l	3/6/2025 9:59:03	
PB166997BS	S	Ammonia-† P		0.9885	mg/l	3/6/2025 10:09:36	
Q1466-01	S	Ammonia-† P		16.4597	mg/l	3/6/2025 10:09:38	
Q1480-33	S	Ammonia-† P		6.1612	mg/l	3/6/2025 10:09:40	
Q1494-01	S	Ammonia-† P		0.2372	mg/l	3/6/2025 10:09:45	
Q1494-01DUP	S	Ammonia-† P		0.2361	mg/l	3/6/2025 10:09:47	
Q1494-01MS	S	Ammonia-† P		1.2515	mg/l	3/6/2025 10:20:19	
Q1494-01MSD	S	Ammonia-† P		1.2445	mg/l	3/6/2025 10:20:20	
Q1495-01	S	Ammonia-† P		5.3576	mg/l	3/6/2025 10:20:21	
CCV2	S	Ammonia-† P		0.9904	mg/l	3/6/2025 10:20:22	
CCB2	S	Ammonia-† P		0.0256	mg/l	3/6/2025 10:20:25	
Q1495-02	S	Ammonia-† P		5.48	mg/l	3/6/2025 10:20:26	
CCV3	S	Ammonia-† P		0.9806	mg/l	3/6/2025 10:20:28	
CCB3	S	Ammonia-† P		0.0154	mg/l	3/6/2025 10:23:34	
Q1466-01DLX10	S	Ammonia-† P		1.6265	mg/l	3/6/2025 10:48:05	
Q1495-01DLX5	S	Ammonia-† P		1.0258	mg/l	3/6/2025 10:48:06	
Q1495-02DLX5	S	Ammonia-† P		1.0691	mg/l	3/6/2025 10:48:08	
Q1480-33DLX5	S	Ammonia-† P		1.2381	mg/l	3/6/2025 11:17:07	
CCV4	S	Ammonia-† P		1.0175	mg/l	3/6/2025 11:17:09	
CCB4	S	Ammonia-† P		0.0131	mg/l	3/6/2025 11:17:12	

Calibration results

Aquakem 7.2AQ1

Page: 1

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

Reviewed by : RM

Instrument ID : Konelab

3/6/2025 9:18

Test Ammonia-N

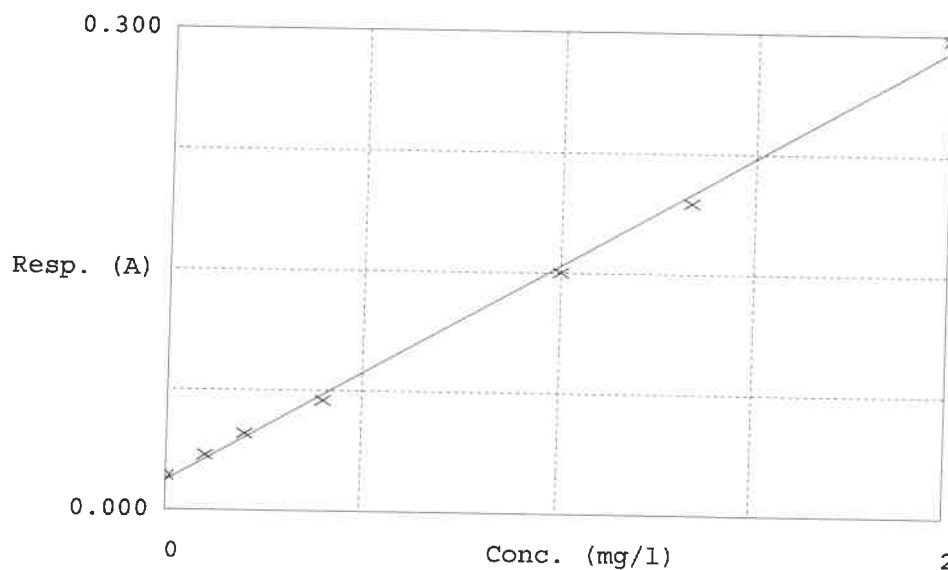
Accepted 3/6/2025 9:18

Factor 7.353

Bias 0.018

Coeff. of det. 0.998034

Errors



	Calibrator	Response	Calc. con.	Conc.	Errors
1	0.00PPM	0.021	0.0212	0.0000	-
2	NH3-2PPM	0.034	0.1171	0.1000	17.1
3	NH3-2PPM	0.048	0.2165	0.2000	8.2
4	NH3-2PPM	0.069	0.3709	0.4000	-7.3
5	NH3-2PPM	0.150	0.9697	1.0000	-3.0
6	NH3-2PPM	0.194	1.2918	1.3333	-0.6
7	NH3-2PPM	0.297	2.0462	2.0000	2.3

03/06/2025
RM

SOP ID : M365.3 & SM4500-P E-18

SDG No : N/A

Start Digest Date: 02/28/2025 Time : 13:00 Temp : 95 °C

Matrix : WATER

End Digest Date: 02/28/2025 Time : 14:15 Temp : 96 °C

Pipette ID : WC

Balance ID : N/A

Hood ID : HOOD#3

Digestion tube ID : M5595

Block Thermometer ID : WC-BLOCK#1

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

Filter paper ID : 400213

Prep Technician Signature: NF

Weigh By : N/A

pH Meter ID : N/A

Supervisor Signature: 12

Standardized Name	MLS USED	STD REF. # FROM LOG
LCSW	0.5ML	WP110401
MS/MSD SPIKE SOL.	0.5ML	WP110400
PBW	50ML	W3112
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
11N H2SO4	1ML	WP109922
AMMONIUM PERSULFATE	0.4g	W3035
pH Paper 0-14	N/A	W3140
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
N/A	N/A	N/A

LAB SAMPLE ID	CLIENT SAMPLE ID	Wt(g)/Vol(ml)	Comment
CAL1	CAL1	50.0ML	WP112141
CAL2	CAL2	50.0ML	WP112142
CAL3	CAL3	50.0ML	WP112143
CAL4	CAL4	50.0ML	WP112144
CAL5	CAL5	50.0ML	WP112145
CAL6	CAL6	50.0ML	WP112146
ICV	ICV	50.0ML	WP112147
ICB	ICB	50.0ML	W3112
CCV	CCV	50.0ML	WP112148
CCB	CCB	50.0ML	W3112

Extraction Conformance/Non-Conformance Comments:

N/A

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

Lab Sample ID	Client Sample ID	Initial Vol (ml)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
PB166940BL	PBW940	50	50	<2	N/A	N/A	N/A	N/A	N/A
PB166940BS	LCS940	50	50	<2	N/A	N/A	N/A	N/A	N/A
Q1466-01DUP	EFFLUENTDUP	50	50	<2	N/A	N/A	N/A	N/A	N/A
Q1466-01MS	EFFLUENTMS	50	50	<2	N/A	N/A	N/A	N/A	N/A
Q1466-01MSD	EFFLUENTMSD	50	50	<2	N/A	N/A	N/A	N/A	N/A
Q1466-01	EFFLUENT	50	50	<2	N/A	N/A	N/A	N/A	N/A

WORKLIST(Hardcopy Internal Chain)

WorkList Name : TOTAL P-02282025

WorkList ID : 187968

Department : Distillation

Date : 02-28-2025 09:05:02

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1466-01	EFFLUENT	Water	Phosphorus-Total	Conc H2SO4 to pH < 2	HOLL01	H11	02/27/2025	365.3

Date/Time 02.28.2025, 12:45
Raw Sample Received by: NFWG
Raw Sample Relinquished by: [Signature]

Date/Time 02.28.2025, 17:00
Raw Sample Received by: [Signature]
Raw Sample Relinquished by: NFWG

SOP ID : MSM4500-NH3 B,G-Ammonia-17

SDG No : N/A

Start Digest Date: 03/05/2025 Time : 14:15 Temp : 150 °C

Matrix : WATER

End Digest Date: 03/05/2025 Time : 15:15 Temp : 157 °C

Pipette ID : WC

IT below 03/05/2025 15:40 150°C } RM
03/05/2025 16:40 160°C } RM

Balance ID : N/A

Hood ID : HOOD#2

Digestion tube ID : M5595

Block Thermometer ID : WC CYANIDE

Block ID : WC-DIST-BLOCK-1

Filter paper ID : N/A

Prep Technician Signature: RM

Weigh By : N/A

pH Meter ID : N/A

Supervisor Signature: 12

Standard Name	MLS USED	STD REF. # FROM LOG
LCSW	1.0ML	WP111947
MS/MSD SPIKE SOL.	1.0ML	WP111946
PBW	50.0ML	W3112
RL CHECK	0.1ML	WP111946
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	WP110335
pH strip-Ammonia	N/A	W3133
KI-starch paper	N/A	W3155
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

ALL GLASSWEAR ARE STEAMED OUT AND THERE WERE NO TRACE OF AMMONIA USING NESLER REAGENT
WP111604, Due to bad matrix and client history 1ML was taken as an initial volume for Q1466-01

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
03/05/2025 17:00	RM (WC)	RM (WC)
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	Initial Vol (ml)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
PB166997BL	PBW997	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
PB166997BS	LCS997	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q1466-01	EFFLUENT	1	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q1480-33	TP-3-WATER-SAMPLE	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q1494-01	PURGE-WATER	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q1494-01DUP	PURGE-WATERDUP	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q1494-01MS	PURGE-WATERMS	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q1494-01MSD	PURGE-WATERMSD	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q1495-01	001-WILLETS-PT-BLVD(MAR)	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A
Q1495-02	002-35TH-AVE(MAR)	50	50	<2	N/A	Negative	N/A	AFTER ADDING 6N NAOH PH IS 9.5	N/A

WORKLIST(Hardcopy Internal Chain)

WorkList Name : ammonia3-5

WorkList ID : 188051

Department : Distillation

Date : 03-05-2025 13:23:18

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1466-01	EFFLUENT	Water	Ammonia	Conc H2SO4 to pH < 2	HOLL01	H11	02/27/2025	SM4500-NH3
Q1480-33	TP-3-WATER-SAMPLE	Water	Ammonia	Conc H2SO4 to pH < 2	PSEG03	I11	03/03/2025	SM4500-NH3

Date/Time 03/05/2025 13:35
 Raw Sample Received by: RM cwy
 Raw Sample Relinquished by: ~~RM cwy~~

Date/Time 03/05/2025 16:00
 Raw Sample Received by: ~~RM cwy~~
 Raw Sample Relinquished by: RM cwy

WORKLIST(Hardcopy Internal Chain)

WorkList Name : AMMONIA-3-5

WorkList ID : 188089

Department : Distillation

Date : 03-05-2025 13:51:44

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1494-01	PURGE-WATER	Water	Ammonia	Conc H2SO4 to pH < 2	PSEG03	I31	03/05/2025	SM4500-NH3
Q1495-01	001-WILLETTS-PT-BLVD(MAR)	Water	Ammonia	Conc H2SO4 to pH < 2	TULL01	I21	03/04/2025	SM4500-NH3
Q1495-02	002-35TH-AVE(MAR)	Water	Ammonia	Conc H2SO4 to pH < 2	TULL01	I21	03/04/2025	SM4500-NH3

Date/Time 03/05/2025 15:00
 Raw Sample Received by: R. L. W. J.
 Raw Sample Relinquished by: R. L. W. J.

Date/Time 03/05/2025 16:00
 Raw Sample Received by: R. L. W. J.
 Raw Sample Relinquished by: R. L. W. J.

Instrument ID: IC-2

Daily Analysis Runlog For Sequence/QC Batch ID # LB134842

Review By	Niha	Review On	3/6/2025 9:02:39 AM
Supervise By	Iwona	Supervise On	3/6/2025 11:16:08 AM
SubDirectory	LB134842	Test	Anions
STD. NAME	STD REF.#		
ICAL Standard	WP112016,WP112017,WP112018,WP112019,WP112020,WP112021,WP112022		
ICV Standard	WP112023		
CCV Standard	WP112108		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	WP112109		
Chk Standard	WP112024,WP112025		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	STD1	STD1	CAL1	02/21/25 11:05		NF/IZ	OK
2	STD2	STD2	CAL2	02/21/25 11:26		NF/IZ	OK
3	STD3	STD3	CAL3	02/21/25 11:48		NF/IZ	OK
4	STD4	STD4	CAL4	02/21/25 12:09		NF/IZ	OK
5	STD5	STD5	CAL5	02/21/25 12:31		NF/IZ	OK
6	STD6	STD6	CAL6	02/21/25 12:52		NF/IZ	OK
7	STD7	STD7	CAL7	02/21/25 13:13		NF/IZ	OK
8	ICV1	ICV1	ICV	02/21/25 13:35		NF/IZ	OK
9	ICB1	ICB1	ICB	02/21/25 13:56		NF/IZ	OK
10	CCV1	CCV1	CCV	02/28/25 09:46		NF/IZ	OK
11	CCB1	CCB1	CCB	02/28/25 10:08		NF/IZ	OK
12	LB134842BLW	LB134842BLW	MB	02/28/25 10:29		NF/IZ	OK
13	LB134842BSW	LB134842BSW	LCS	02/28/25 10:51		NF/IZ	OK
14	Q1466-05	CITY WATER	SAM	02/28/25 11:13	CL High	NF/IZ	Dilution
15	Q1466-05MS	CITY WATERMS	MS	02/28/25 11:34		NF/IZ	OK
16	Q1466-05MSD	CITY WATERMSD	MSD	02/28/25 11:56		NF/IZ	OK
17	Q1466-05DL	CITY WATERDL	SAM	02/28/25 12:39	5X For Cl	NF/IZ	Confirms
18	CCV2	CCV2	CCV	02/28/25 13:00		NF/IZ	OK

Instrument ID: IC-2

Daily Analysis Runlog For Sequence/QC Batch ID # LB134842

Review By	Niha	Review On	3/6/2025 9:02:39 AM
Supervise By	Iwona	Supervise On	3/6/2025 11:16:08 AM
SubDirectory	LB134842	Test	Anions
STD. NAME	STD REF.#		
ICAL Standard	WP112016,WP112017,WP112018,WP112019,WP112020,WP112021,WP112022		
ICV Standard	WP112023		
CCV Standard	WP112108		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	WP112109		
Chk Standard	WP112024,WP112025		

19	CCB2	CCB2	CCB	02/28/25 13:22		NF/IZ	OK
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Instrument ID: WC SC-3

Daily Analysis Runlog For Sequence/QC Batch ID # LB134850

Review By	jignesh	Review On	3/5/2025 11:49:12 AM
Supervise By	Iwona	Supervise On	2/28/2025 1:50:16 PM
SubDirectory	LB134850	Test	Oil and Grease
STD. NAME	STD REF.#		
ICAL Standard	N/A		
ICV Standard	N/A		
CCV Standard	N/A		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	N/A		
Chk Standard	W3177,M6069,EP2590,WP110826,NA,NA,WP100827,NA,WP100828		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	LB134850BL	LB134850BL	MB	02/28/25 10:25		jignesh	OK
2	LB134850BS	LB134850BS	LCS	02/28/25 10:25		jignesh	OK
3	Q1417-01	LRSA-MOD-1	SAM	02/28/25 10:25		jignesh	OK
4	Q1466-01	EFFLUENT	SAM	02/28/25 10:25		jignesh	OK
5	Q1466-02	Q1466-01MS	MS	02/28/25 10:25		jignesh	OK
6	Q1466-03	Q1466-01MSD	MSD	02/28/25 10:25		jignesh	OK

Instrument ID: WC SC-3

Daily Analysis Runlog For Sequence/QC Batch ID # LB134851

Review By	jignesh	Review On	2/28/2025 2:10:44 PM
Supervise By	Iwona	Supervise On	2/28/2025 2:13:20 PM
SubDirectory	LB134851	Test	TSS
STD. NAME	STD REF.#		
ICAL Standard	N/A		
ICV Standard	N/A		
CCV Standard	N/A		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	N/A		
Chk Standard	N/A		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	LB134851BL	LB134851BL	MB	02/28/25 11:00		jignesh	OK
2	LB134851BS	LB134851BS	LCS	02/28/25 11:00	55mg W2576 +100ML W3112	jignesh	OK
3	Q1429-01	OUTFALL-DSN-001	SAM	02/28/25 11:00		jignesh	OK
4	Q1429-02	OUTFALL-DSN-002	SAM	02/28/25 11:00		jignesh	OK
5	Q1431-02	COMP	SAM	02/28/25 11:00		jignesh	OK
6	Q1431-02DUP	COMPDUP	DUP	02/28/25 11:00		jignesh	OK
7	Q1435-01	286107	SAM	02/28/25 11:00		jignesh	OK
8	Q1439-01	LRSA-MOD	SAM	02/28/25 11:00		jignesh	OK
9	Q1456-02	EFF-WASTE WATER	SAM	02/28/25 11:00		jignesh	OK
10	Q1466-01	EFFLUENT	SAM	02/28/25 11:00		jignesh	OK
11	Q1466-04	AERATION	SAM	02/28/25 11:00		jignesh	OK

Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QC Batch ID # LB134852

Review By	Niha	Review On	2/28/2025 12:58:00 PM
Supervise By	Iwona	Supervise On	2/28/2025 1:10:03 PM
SubDirectory	LB134852	Test	Residual Chlorine
STD. NAME	STD REF.#		
ICAL Standard	N/A		
ICV Standard	N/A		
CCV Standard	N/A		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	N/A		
Chk Standard	WP112109,WP112104,WP112105,WP112106,WP112103,WP112107,WP112108,W3147		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	02/28/25 09:35		Niha	OK
2	CAL2	CAL2	CAL	02/28/25 09:38		Niha	OK
3	CAL3	CAL3	CAL	02/28/25 09:41		Niha	OK
4	CAL4	CAL4	CAL	02/28/25 09:44		Niha	OK
5	CAL5	CAL5	CAL	02/28/25 09:47		Niha	OK
6	CAL6	CAL6	CAL	02/28/25 09:50		Niha	OK
7	ICV	ICV	ICV	02/28/25 09:53		Niha	OK
8	ICB	ICB	ICB	02/28/25 09:56		Niha	OK
9	CCV1	CCV1	CCV	02/28/25 09:59		Niha	OK
10	CCB1	CCB1	CCB	02/28/25 10:02		Niha	OK
11	LB134852BL	LB134852BL	MB	02/28/25 10:05		Niha	OK
12	LB134852BS	LB134852BS	LCS	02/28/25 10:08		Niha	OK
13	Q1466-05	CITY WATER	SAM	02/28/25 10:11		Niha	OK
14	Q1466-05DUP	CITY WATERDUP	DUP	02/28/25 10:14		Niha	OK
15	Q1466-05MS	CITY WATERMS	MS	02/28/25 10:17		Niha	OK
16	Q1466-05MSD	CITY WATERMSD	MSD	02/28/25 10:20		Niha	OK
17	CCV2	CCV2	CCV	02/28/25 10:23		Niha	OK
18	CCB2	CCB2	CCB	02/28/25 10:27		Niha	OK

Instrument ID: DO METER

Daily Analysis Runlog For Sequence/QC Batch ID # LB134855

Review By	rubina	Review On	3/6/2025 11:40:56 AM
Supervise By	Iwona	Supervise On	3/6/2025 2:38:26 PM
SubDirectory	LB134855	Test	BOD5
STD. NAME	STD REF.#		
ICAL Standard	N/A		
ICV Standard	N/A		
CCV Standard	N/A		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	N/A		
Chk Standard	WP112138,W3149,WP110386,W3103,W3109,W3105,WP112140,WP112139,WP111323		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	LB134855BL	LB134855BL	MB	02/28/25 16:00		rubina	OK
2	LB134855BS	LB134855BS	LCS	02/28/25 16:00		rubina	OK
3	Q1456-02	EFF-WASTE WATER	SAM	02/28/25 16:00		rubina	OK
4	Q1456-02DUP	EFF-WASTE WATER	DUP	02/28/25 16:00		rubina	OK
5	Q1466-01	EFFLUENT	SAM	02/28/25 16:00		rubina	OK

Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QC Batch ID # LB134865

Review By	Niha	Review On	3/6/2025 10:18:47 AM
Supervise By	Iwona	Supervise On	3/6/2025 2:11:18 PM
SubDirectory	LB134865	Test	Phosphorus-Ortho
STD. NAME	STD REF.#		
ICAL Standard	N/A		
ICV Standard	N/A		
CCV Standard	N/A		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	N/A		
Chk Standard	WP112146,WP112145,WP112144,WP112143,WP112142,WP112141,WP112148,WP110380,WP112151,WP111415,V		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	02/28/25 16:40		Niha	OK
2	CAL2	CAL2	CAL	02/28/25 16:40		Niha	OK
3	CAL3	CAL3	CAL	02/28/25 16:41		Niha	OK
4	CAL4	CAL4	CAL	02/28/25 16:41		Niha	OK
5	CAL5	CAL5	CAL	02/28/25 16:42		Niha	OK
6	CAL6	CAL6	CAL	02/28/25 16:42		Niha	OK
7	ICV	ICV	ICV	02/28/25 16:43		Niha	OK
8	ICB	ICB	ICB	02/28/25 16:43		Niha	OK
9	CCV1	CCV1	CCV	02/28/25 16:44		Niha	OK
10	CCB1	CCB1	CCB	02/28/25 16:44		Niha	OK
11	RL Check	RL Check	SAM	02/28/25 16:45		Niha	OK
12	LB134865BL	LB134865BL	MB	02/28/25 16:45		Niha	OK
13	LB134865BS	LB134865BS	LCS	02/28/25 16:46		Niha	OK
14	Q1466-01	EFFLUENT	SAM	02/28/25 16:46		Niha	OK
15	Q1466-01DUP	EFFLUENTDUP	DUP	02/28/25 16:47		Niha	OK
16	Q1466-01MS	EFFLUENTMS	MS	02/28/25 16:47		Niha	OK
17	Q1466-01MSD	EFFLUENTMSD	MSD	02/28/25 16:48		Niha	OK
18	CCV2	CCV2	CCV	02/28/25 16:48		Niha	OK

Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QC Batch ID # LB134865

Review By	Niha	Review On	3/6/2025 10:18:47 AM
Supervise By	Iwona	Supervise On	3/6/2025 2:11:18 PM
SubDirectory	LB134865	Test	Phosphorus-Ortho
STD. NAME	STD REF.#		
ICAL Standard	N/A		
ICV Standard	N/A		
CCV Standard	N/A		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	N/A		
Chk Standard	WP112146,WP112145,WP112144,WP112143,WP112142,WP112141,WP112148,WP110380,WP112151,WP111415,V		

19	CCB2	CCB2	CCB	02/28/25 16:49		Niha	OK
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Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QC Batch ID # LB134866

Review By	Niha	Review On	3/6/2025 10:18:09 AM
Supervise By	Iwona	Supervise On	3/7/2025 10:47:51 AM
SubDirectory	LB134866	Test	Phosphorus-Total
STD. NAME	STD REF.#		
ICAL Standard	N/A		
ICV Standard	N/A		
CCV Standard	N/A		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	N/A		
Chk Standard	WP112146,WP112145,WP112144,WP112143,WP112142,WP112141,WP112148,WP110380,WP112151,WP111415,V		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	02/28/25 15:30		Niha	OK
2	CAL2	CAL2	CAL	02/28/25 15:30		Niha	OK
3	CAL3	CAL3	CAL	02/28/25 15:31		Niha	OK
4	CAL4	CAL4	CAL	02/28/25 15:31		Niha	OK
5	CAL5	CAL5	CAL	02/28/25 15:32		Niha	OK
6	CAL6	CAL6	CAL	02/28/25 15:32		Niha	OK
7	ICV	ICV	ICV	02/28/25 15:33		Niha	OK
8	ICB	ICB	ICB	02/28/25 15:33		Niha	OK
9	CCV1	CCV1	CCV	02/28/25 15:34		Niha	OK
10	CCB1	CCB1	CCB	02/28/25 15:34		Niha	OK
11	RL Check	RL Check	SAM	02/28/25 15:35		Niha	OK
12	PB166940BL	PB166940BL	MB	02/28/25 15:35		Niha	OK
13	PB166940BS	PB166940BS	LCS	02/28/25 15:36		Niha	OK
14	Q1466-01	EFFLUENT	SAM	02/28/25 15:36		Niha	OK
15	Q1466-01DUP	EFFLUENTDUP	DUP	02/28/25 15:37		Niha	OK
16	Q1466-01MS	EFFLUENTMS	MS	02/28/25 15:37		Niha	OK
17	Q1466-01MSD	EFFLUENTMSD	MSD	02/28/25 15:38		Niha	OK
18	CCV2	CCV2	CCV	02/28/25 15:38		Niha	OK

Instrument ID: SPECTROPHOTOMETER-1

Daily Analysis Runlog For Sequence/QC Batch ID # LB134866

Review By	Niha	Review On	3/6/2025 10:18:09 AM
Supervise By	Iwona	Supervise On	3/7/2025 10:47:51 AM
SubDirectory	LB134866	Test	Phosphorus-Total
STD. NAME	STD REF.#		
ICAL Standard	N/A		
ICV Standard	N/A		
CCV Standard	N/A		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	N/A		
Chk Standard	WP112146,WP112145,WP112144,WP112143,WP112142,WP112141,WP112148,WP110380,WP112151,WP111415,V		

19	CCB2	CCB2	CCB	02/28/25 15:39		Niha	OK
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Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QC Batch ID # LB134920

Review By	rubina	Review On	3/7/2025 1:33:35 PM
Supervise By	Iwona	Supervise On	3/7/2025 1:34:46 PM
SubDirectory	LB134920	Test	Ammonia
STD. NAME	STD REF.#		
ICAL Standard	WP112198		
ICV Standard	WP112200		
CCV Standard	WP112199		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	WP111947		
Chk Standard	WP112163,WP111745,WP111385,WP111660		

Sr#	SampleID	ClientID	QcType	Date	Comment	Operator	Status
1	0.0PPM	0.0PPM	CAL1	03/06/25 09:13		rubina	OK
2	0.1PPM	0.1PPM	CAL2	03/06/25 09:13		rubina	OK
3	0.2PPM	0.2PPM	CAL3	03/06/25 09:13		rubina	OK
4	0.4PPM	0.4PPM	CAL4	03/06/25 09:13		rubina	OK
5	1.0PPM	1.0PPM	CAL5	03/06/25 09:13		rubina	OK
6	1.3PPM	1.3PPM	CAL6	03/06/25 09:13		rubina	OK
7	2.0PPM	2.0PPM	CAL7	03/06/25 09:13		rubina	OK
8	ICV1	ICV1	ICV	03/06/25 09:58		rubina	OK
9	ICB1	ICB1	ICB	03/06/25 09:58		rubina	OK
10	CCV1	CCV1	CCV	03/06/25 09:58		rubina	OK
11	CCB1	CCB1	CCB	03/06/25 09:58		rubina	OK
12	RL	RL	SAM	03/06/25 09:59		rubina	OK
13	PB166997BL	PB166997BL	MB	03/06/25 09:59		rubina	OK
14	PB166997BS	PB166997BS	LCS	03/06/25 10:09		rubina	OK
15	Q1466-01	EFFLUENT	SAM	03/06/25 10:09	High	rubina	Dilution
16	Q1480-33	TP-3-WATER-SAMPL	SAM	03/06/25 10:09	High	rubina	Dilution
17	Q1494-01	PURGE-WATER	SAM	03/06/25 10:09		rubina	OK
18	Q1494-01DUP	PURGE-WATERDUP	DUP	03/06/25 10:09		rubina	OK

Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QC Batch ID # LB134920

Review By	rubina	Review On	3/7/2025 1:33:35 PM
Supervise By	Iwona	Supervise On	3/7/2025 1:34:46 PM
SubDirectory	LB134920	Test	Ammonia
STD. NAME	STD REF.#		
ICAL Standard	WP112198		
ICV Standard	WP112200		
CCV Standard	WP112199		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	WP111947		
Chk Standard	WP112163,WP111745,WP111385,WP111660		

19	Q1494-01MS	PURGE-WATERMS	MS	03/06/25 10:20		rubina	OK
20	Q1494-01MSD	PURGE-WATERMSD	MSD	03/06/25 10:20		rubina	OK
21	Q1495-01	001-WILLETS-PT-BL	SAM	03/06/25 10:20	High	rubina	Dilution
22	CCV2	CCV2	CCV	03/06/25 10:20		rubina	OK
23	CCB2	CCB2	CCB	03/06/25 10:20		rubina	OK
24	Q1495-02	002-35TH-AVE(MAR)	SAM	03/06/25 10:20	High	rubina	Dilution
25	CCV3	CCV3	CCV	03/06/25 10:20		rubina	OK
26	CCB3	CCB3	CCB	03/06/25 10:23		rubina	OK
27	Q1466-01DL	EFFLUENTDL	SAM	03/06/25 10:48	Report 10X	rubina	Confirms
28	Q1495-01DL	001-WILLETS-PT-BL	SAM	03/06/25 10:48	Report 5X	rubina	Confirms
29	Q1495-02DL	002-35TH-AVE(MAR)	SAM	03/06/25 10:48	Report 5X	rubina	Confirms
30	Q1480-33DL	TP-3-WATER-SAMPL	SAM	03/06/25 11:17	Report 5X	rubina	Confirms
31	CCV4	CCV4	CCV	03/06/25 11:17		rubina	OK
32	CCB4	CCB4	CCB	03/06/25 11:17		rubina	OK



SHIPPING DOCUMENTS

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: **HOLLAND MANUFACTURING Co**
ADDRESS: **15 MAIN ST**
CITY **SUCCASUNNA** STATE: **NJ** ZIP: **07876**
ATTENTION:
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: **HMC PRETREAT + Gum**
PROJECT NO.: LOCATION:
PROJECT MANAGER: **TODD HOLLAND**
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION

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

ANALYSIS

DATA TURNAROUND INFORMATION

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

BOD5 **TSS** **DO+G** **PO4** **TOTAL P** **NH4** **Cat+Mg+Cl** **HARDNED+Clay**

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS
			COMP	GRAB	DATE	TIME		E	E	C	C	C	C	E			
1.	EFFLUENT	W		X	2/27	0900	6	X	X	X	X	X	X				
2.	AERATION	W		X	2/27	0900	1		X								
3.	CITY WATER	W		X	2/27	0900	2							X	X		
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. <i>[Signature]</i>	DATE/TIME: 2/27 0900	RECEIVED BY: 1. <i>[Signature]</i>	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☒ COOLER TEMP 2.2 °C Comments: 02/27/25 @ 1619
RELINQUISHED BY SAMPLER: 2.	DATE/TIME:	RECEIVED BY: 2.	
RELINQUISHED BY SAMPLER: 3.	DATE/TIME:	RECEIVED BY: 3.	

Page ____ of CLIENT: ☒ Hand Delivered ☐ Other Shipment Complete
☐ YES ☐ NO

From: Ed Martinez <eduardo@hollandmfg.com>
Sent: Thursday, February 27, 2025 9:29 AM
Subject: RE: Sample Delivery COC#2046153

EXTERNAL EMAIL - This email was sent by a person from outside your organization. Exercise caution when clicking links, opening attachments or taking further action, before validating its authenticity.

[Secured by Check Point](#)

Kiran,

I'm setting up a dropoff to the lab today. They should be there this afternoon.

In return, I need:

1 Cooler

3 x 1L (plain)

4 x 500mL (with preservative)

3 x Amber (with preservative)

Cooling packs

Ed Martinez

QA / Technical Supervisor

'Quality is when the customer returns, and the product does not.'

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