



LAB CHRONICLE

OrderID:	Q3172	OrderDate:	9/24/2025 9:00:00 AM
Client:	G Environmental	Project:	Amsterdam
Contact:	Gary Landis	Location:	J43,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3172-01	FW7D	WATER	Anions Group1	300.0	09/22/25 12:39		09/24/25 10:46	09/22/25
Q3172-01DL	FW7DDL	WATER	Anions Group1	300.0	09/22/25 12:39		09/24/25 12:34	09/22/25



SAMPLE DATA

A

B

C

D

Report of Analysis

Client:	G Environmental	Date Collected:	09/22/25 12:39
Project:	Amsterdam	Date Received:	09/22/25
Client Sample ID:	FW7D	SDG No.:	Q3172
Lab Sample ID:	Q3172-01	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Sulfate	201	OR	1	0.46	3.00	mg/L		09/24/25 10:46	300.0

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

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

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

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	G Environmental	Date Collected:	09/22/25 12:39
Project:	Amsterdam	Date Received:	09/22/25
Client Sample ID:	FW7DDL	SDG No.:	Q3172
Lab Sample ID:	Q3172-01DL	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Sulfate	170	D	10	4.60	30.0	mg/L		09/24/25 12:34	300.0

Comments: _____

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LOQ = Limit of Quantitation

MDL = Method Detection Limit

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H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

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

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

OR = Over Range

N =Spiked sample recovery not within control limits

QC RESULT SUMMARY

Initial and Continuing Calibration Verification

Client: G Environmental

SDG No.: Q3172

Project: Amsterdam

RunNo.: LB137286

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1						
Bromide	mg/L	10	10	100	90-110	09/09/2025
Chloride	mg/L	3	3	100	90-110	09/09/2025
Fluoride	mg/L	2	2	100	90-110	09/09/2025
Nitrite	mg/L	3	3	100	90-110	09/09/2025
Nitrate	mg/L	2.5	2.5	100	90-110	09/09/2025
Sulfate	mg/L	14.8	15	99	90-110	09/09/2025
Orthophosphate as P	mg/L	5	5	100	90-110	09/09/2025
Sample ID: CCV1						
Bromide	mg/L	10	10	100	90-110	09/24/2025
Chloride	mg/L	2.9	3	97	90-110	09/24/2025
Fluoride	mg/L	2	2	100	90-110	09/24/2025
Nitrite	mg/L	3	3	100	90-110	09/24/2025
Nitrate	mg/L	2.4	2.5	96	90-110	09/24/2025
Sulfate	mg/L	14.8	15	99	90-110	09/24/2025
Orthophosphate as P	mg/L	4.6	5	92	90-110	09/24/2025
Sample ID: CCV2						
Bromide	mg/L	10	10	100	90-110	09/24/2025
Chloride	mg/L	2.9	3	97	90-110	09/24/2025
Fluoride	mg/L	2	2	100	90-110	09/24/2025
Nitrite	mg/L	3	3	100	90-110	09/24/2025
Nitrate	mg/L	2.4	2.5	96	90-110	09/24/2025
Sulfate	mg/L	14.7	15	98	90-110	09/24/2025
Orthophosphate as P	mg/L	5.1	5	102	90-110	09/24/2025

Initial and Continuing Calibration Blank Summary

Client: G Environmental

SDG No.: Q3172

Project: Amsterdam

RunNo.: LB137286

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

Preparation Blank Summary

Client: G Environmental

SDG No.: Q3172

Project: Amsterdam

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: LB137286BLW							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	09/24/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	09/24/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	09/24/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	09/24/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	09/24/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	09/24/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	09/24/2025

Matrix Spike Summary

Client:	G Environmental	SDG No.:	Q3172
Project:	Amsterdam	Sample ID:	Q3168-05
Client ID:	TOTES COMP#1MS	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Bromide	mg/L	80-120	11.0	OR	0.37	U	10	1	110		09/24/2025
Chloride	mg/L	80-120	56.6		55.3	OR	3	1	43	*	09/24/2025
Fluoride	mg/L	80-120	2.10		0.11	U	2	1	105		09/24/2025
Nitrite	mg/L	80-120	3.00		0.074	U	3	1	100		09/24/2025
Nitrate	mg/L	80-120	2.40		0.095	U	2.5	1	96		09/24/2025
Sulfate	mg/L	80-120	16.2		1.70	J	15	1	97		09/24/2025
Orthophosphate as P	mg/L	80-120	5.00		0.34	U	5	1	100		09/24/2025

Matrix Spike Summary

Client:	G Environmental	SDG No.:	Q3172
Project:	Amsterdam	Sample ID:	Q3168-05
Client ID:	TOTES COMP#1MSD	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Bromide	mg/L	80-120	11.0	OR	0.37	U	10	1	110		09/24/2025
Chloride	mg/L	80-120	56.2		55.3	OR	3	1	30	*	09/24/2025
Fluoride	mg/L	80-120	2.10		0.11	U	2	1	105		09/24/2025
Nitrite	mg/L	80-120	3.00		0.074	U	3	1	100		09/24/2025
Nitrate	mg/L	80-120	2.40		0.095	U	2.5	1	96		09/24/2025
Sulfate	mg/L	80-120	16.1		1.70	J	15	1	96		09/24/2025
Orthophosphate as P	mg/L	80-120	5.20		0.34	U	5	1	104		09/24/2025

Duplicate Sample Summary

Client:	G Environmental	SDG No.:	Q3172
Project:	Amsterdam	Sample ID:	Q3168-05
Client ID:	TOTES COMP#1MSD	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
Bromide	mg/L	+/-20	11.0		11.0		1	0		09/24/2025
Fluoride	mg/L	+/-20	2.10		2.10		1	0		09/24/2025
Nitrate	mg/L	+/-20	2.40		2.40		1	0		09/24/2025
Nitrite	mg/L	+/-20	3.00		3.00		1	0		09/24/2025
Sulfate	mg/L	+/-20	16.2		16.1		1	1		09/24/2025
Chloride	mg/L	+/-20	56.6	OR	56.2	OR	1	1		09/24/2025
Orthophosphate as P	mg/L	+/-20	5.00		5.20		1	4		09/24/2025

Laboratory Control Sample Summary

Client: G Environmental

SDG No.: Q3172

Project: Amsterdam

Run No.: LB137286

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB137286BSW							
Bromide	mg/L	10	10.0		100	1	90-110	09/24/2025
Chloride	mg/L	3	2.90		97	1	90-110	09/24/2025
Fluoride	mg/L	2	2.00		100	1	90-110	09/24/2025
Nitrite	mg/L	3	3.00		100	1	90-110	09/24/2025
Nitrate	mg/L	2.5	2.40		96	1	90-110	09/24/2025
Sulfate	mg/L	15	14.7		98	1	90-110	09/24/2025
Orthophosphate as P	mg/L	5	4.70		94	1	90-110	09/24/2025