



SAMPLE DATA

Report of Analysis

Client:	G Environmental	Date Collected:	02/11/25 12:25
Project:	Amsterdam	Date Received:	02/11/25
Client Sample ID:	RW1	SDG No.:	Q1355
Lab Sample ID:	Q1355-01	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Sulfate	103	OR	1	0.032	3.00	mg/L		02/11/25 14:49	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

Report of Analysis

Client:	G Environmental	Date Collected:	02/11/25 12:25
Project:	Amsterdam	Date Received:	02/11/25
Client Sample ID:	RW1DL	SDG No.:	Q1355
Lab Sample ID:	Q1355-01DL	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Sulfate	91.9	D	5	0.16	15.0	mg/L		02/11/25 15:54	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: G Environmental

SDG No.: Q1355

Project: Amsterdam

RunNo.: LB134705

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1						
Bromide	mg/L	10.3	10	103	90-110	01/20/2025
Chloride	mg/L	3.1	3	103	90-110	01/20/2025
Fluoride	mg/L	2.1	2	105	90-110	01/20/2025
Nitrite	mg/L	3.1	3	103	90-110	01/20/2025
Nitrate	mg/L	2.6	2.5	104	90-110	01/20/2025
Sulfate	mg/L	15.4	15	103	90-110	01/20/2025
Orthophosphate as P	mg/L	5.2	5	104	90-110	01/20/2025
Sample ID: CCV1						
Bromide	mg/L	10.1	10	101	90-110	02/11/2025
Chloride	mg/L	3	3	100	90-110	02/11/2025
Fluoride	mg/L	2	2	100	90-110	02/11/2025
Nitrite	mg/L	3	3	100	90-110	02/11/2025
Nitrate	mg/L	2.5	2.5	100	90-110	02/11/2025
Sulfate	mg/L	15	15	100	90-110	02/11/2025
Orthophosphate as P	mg/L	5	5	100	90-110	02/11/2025
Sample ID: CCV2						
Bromide	mg/L	10.2	10	102	90-110	02/11/2025
Chloride	mg/L	3.1	3	103	90-110	02/11/2025
Fluoride	mg/L	2	2	100	90-110	02/11/2025
Nitrite	mg/L	3.1	3	103	90-110	02/11/2025
Nitrate	mg/L	2.6	2.5	104	90-110	02/11/2025
Sulfate	mg/L	15.1	15	101	90-110	02/11/2025
Orthophosphate as P	mg/L	5.2	5	104	90-110	02/11/2025

Initial and Continuing Calibration Verification

Client: G Environmental

SDG No.: Q1355

Project: Amsterdam

RunNo.: LB134705

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
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Initial and Continuing Calibration Blank Summary

Client: G Environmental

SDG No.: Q1355

Project: Amsterdam

RunNo.: LB134705

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	01/20/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.011	0.6	01/20/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.057	0.4	01/20/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.011	0.6	01/20/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.0034	0.5	01/20/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.032	3	01/20/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.079	1	01/20/2025
Sample ID: CCB1							
Bromide	mg/L	< 1.0000	1.0000	U	0.034	2	02/11/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.011	0.6	02/11/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.057	0.4	02/11/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.011	0.6	02/11/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.0034	0.5	02/11/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.032	3	02/11/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.079	1	02/11/2025
Sample ID: CCB2							
Bromide	mg/L	< 1.0000	1.0000	U	0.034	2	02/11/2025
Chloride	mg/L	0.065	0.3000	J	0.011	0.6	02/11/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.057	0.4	02/11/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.011	0.6	02/11/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.0034	0.5	02/11/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.032	3	02/11/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.079	1	02/11/2025

Initial and Continuing Calibration Blank Summary

Client: G Environmental

SDG No.: Q1355

Project: Amsterdam

RunNo.: LB134705

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
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Preparation Blank Summary

Client: G Environmental

SDG No.: Q1355

Project: Amsterdam

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: LB134705BLW							
Bromide	mg/L	< 1.0000	1.0000	U	0.034	2	02/11/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.011	0.6	02/11/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.057	0.4	02/11/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.011	0.6	02/11/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.0034	0.5	02/11/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.032	3	02/11/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.079	1	02/11/2025

Matrix Spike Summary

Client:	G Environmental	SDG No.:	Q1355
Project:	Amsterdam	Sample ID:	Q1355-01
Client ID:	RW1MS	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	10.0		0.56	J	10	1	94		02/11/2025
Chloride	mg/L	80-120	323	OR	336	OR	3	1	-433	*	02/11/2025
Fluoride	mg/L	80-120	1.10		0.29	J	2	1	41	*	02/11/2025
Nitrite	mg/L	80-120	2.90		0.011	U	3	1	97		02/11/2025
Nitrate	mg/L	80-120	2.40		0.0034	U	2.5	1	96		02/11/2025
Sulfate	mg/L	80-120	115	OR	103	OR	15	1	80		02/11/2025
Orthophosphate as P	mg/L	80-120	0.57	J	0.079	U	5	1	11	*	02/11/2025

Matrix Spike Summary

Client:	G Environmental	SDG No.:	Q1355
Project:	Amsterdam	Sample ID:	Q1355-01
Client ID:	RW1MSD	Percent Solids for Spike Sample:	0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Bromide	mg/L	80-120	9.80		0.56	J	10	1	92		02/11/2025
Chloride	mg/L	80-120	323	OR	336	OR	3	1	-433	*	02/11/2025
Fluoride	mg/L	80-120	2.20		0.29	J	2	1	96		02/11/2025
Nitrite	mg/L	80-120	2.80		0.011	U	3	1	93		02/11/2025
Nitrate	mg/L	80-120	2.40		0.0034	U	2.5	1	96		02/11/2025
Sulfate	mg/L	80-120	115	OR	103	OR	15	1	80		02/11/2025
Orthophosphate as P	mg/L	80-120	2.70		0.079	U	5	1	54	*	02/11/2025

Duplicate Sample Summary

Client:	G Environmental	SDG No.:	Q1355
Project:	Amsterdam	Sample ID:	Q1355-01
Client ID:	RW1MSD	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
Nitrate	mg/L	+/-15	2.40		2.40		1	0		02/11/2025
Chloride	mg/L	+/-15	323	OR	323	OR	1	0		02/11/2025
Sulfate	mg/L	+/-15	115	OR	115	OR	1	0		02/11/2025
Bromide	mg/L	+/-15	10.0		9.80		1	2		02/11/2025
Nitrite	mg/L	+/-15	2.90		2.80		1	4		02/11/2025
Orthophosphate as P	mg/L	+/-15	0.57	J	2.70		1	130	*	02/11/2025
Fluoride	mg/L	+/-15	1.10		2.20		1	67	*	02/11/2025

Laboratory Control Sample Summary

Client: G Environmental

SDG No.: Q1355

Project: Amsterdam

Run No.: LB134705

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB134705BSW							
Bromide	mg/L	10	10.2		102	1	90-110	02/11/2025
Chloride	mg/L	3	3.10		103	1	90-110	02/11/2025
Fluoride	mg/L	2	2.00		100	1	90-110	02/11/2025
Nitrite	mg/L	3	3.10		103	1	90-110	02/11/2025
Nitrate	mg/L	2.5	2.60		104	1	90-110	02/11/2025
Sulfate	mg/L	15	15.1		101	1	90-110	02/11/2025
Orthophosphate as P	mg/L	5	5.00		100	1	90-110	02/11/2025

Instrument ID: IC-2

Daily Analysis Runlog For Sequence/QC Batch ID # LB134705

Review By	Niha	Review On	2/14/2025 9:39:38 AM
Supervise By	Iwona	Supervise On	2/14/2025 1:05:32 PM
SubDirectory	LB134705	Test	Anions
STD. NAME	STD REF.#		
ICAL Standard	WP111484,WP111485,WP111486,WP111487,WP111488,WP111489,WP111490		
ICV Standard	WP111491		
CCV Standard	WP111887		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	WP111888		
Chk Standard	WP111492,WP111493		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	STD1	STD1	CAL1	01/20/25 11:14	All standards, samples, and	NF/IZ	OK
2	STD2	STD2	CAL2	01/20/25 11:36	QC are filtered through	NF/IZ	OK
3	STD3	STD3	CAL3	01/20/25 11:57	0.45um, filter lot W3160	NF/IZ	OK
4	STD4	STD4	CAL4	01/20/25 12:18		NF/IZ	OK
5	STD5	STD5	CAL5	01/20/25 12:40		NF/IZ	OK
6	STD6	STD6	CAL6	01/20/25 13:01		NF/IZ	OK
7	STD7	STD7	CAL7	01/20/25 13:23		NF/IZ	OK
8	ICV1	ICV1	ICV	01/20/25 13:44		NF/IZ	OK
9	ICB1	ICB1	ICB	01/20/25 14:06		NF/IZ	OK
10	CCV1	CCV1	CCV	02/11/25 11:07		NF/IZ	OK
11	CCB1	CCB1	CCB	02/11/25 11:29		NF/IZ	OK
12	LB134705BLW	LB134705BLW	MB	02/11/25 11:50		NF/IZ	OK
13	LB134705BSW	LB134705BSW	LCS	02/11/25 12:12		NF/IZ	OK
14	Q1355-01	RW1	SAM	02/11/25 14:49	So4 high	NF/IZ	Dilution
15	Q1355-01MS	RW1MS	MS	02/11/25 15:10	Water - 9.5ml of sample, 0.5mL W3092	NF/IZ	OK
16	Q1355-01MSD	RW1MSD	MSD	02/11/25 15:32	Water - 9.5ml of sample, 0.5mL W3092	NF/IZ	OK
17	Q1355-01DL	RW1DL	SAM	02/11/25 15:54	5X for So4	NF/IZ	Confirms
18	CCV2	CCV2	CCV	02/11/25 16:15		NF/IZ	OK

Instrument ID: IC-2

Daily Analysis Runlog For Sequence/QC Batch ID # LB134705

Review By	Niha	Review On	2/14/2025 9:39:38 AM
Supervise By	Iwona	Supervise On	2/14/2025 1:05:32 PM
SubDirectory	LB134705	Test	Anions
STD. NAME	STD REF.#		
ICAL Standard	WP111484,WP111485,WP111486,WP111487,WP111488,WP111489,WP111490		
ICV Standard	WP111491		
CCV Standard	WP111887		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	WP111888		
Chk Standard	WP111492,WP111493		

19	CCB2	CCB2	CCB	02/11/25 16:37		NF/IZ	OK
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LAB CHRONICLE

OrderID:	Q1355	OrderDate:	2/11/2025 1:38:32 PM
Client:	G Environmental	Project:	Amsterdam
Contact:	Gary Landis	Location:	N41,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1355-01	RW1	WATER	Anions Group1	9056A	02/11/25 12:25		02/11/25 14:49	02/11/25
Q1355-01DL	RW1DL	WATER	Anions Group1	9056A	02/11/25 12:25		02/11/25 15:54	02/11/25