



SAMPLE DATA

Report of Analysis

Client:	G Environmental	Date Collected:	03/06/25 12:25
Project:	DPW	Date Received:	03/07/25
Client Sample ID:	MW10	SDG No.:	Q1525
Lab Sample ID:	Q1525-01	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Alkalinity	154		1	1.00	2.00	mg/L		03/18/25 09:45	SM 2320 B-11
Nitrate	0.095	J	1	0.0034	0.50	mg/L		03/07/25 12:16	300.0
Sulfate	7.10		1	0.032	3.00	mg/L		03/07/25 12:16	300.0

Comments: The alkalinity to pH 4.46=154 mg CaCO₃/L

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.: Q1525

Project: DPW

RunNo.: LB134959

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	10.3	10	103	90-110	03/07/2025
Chloride	mg/L	3	3	100	90-110	03/07/2025
Fluoride	mg/L	2	2	100	90-110	03/07/2025
Nitrite	mg/L	3	3	100	90-110	03/07/2025
Nitrate	mg/L	2.6	2.5	104	90-110	03/07/2025
Sulfate	mg/L	15.2	15	101	90-110	03/07/2025
Orthophosphate as P	mg/L	5.2	5	104	90-110	03/07/2025
Sample ID: CCV2						
Bromide	mg/L	10.3	10	103	90-110	03/07/2025
Chloride	mg/L	3.1	3	103	90-110	03/07/2025
Fluoride	mg/L	2	2	100	90-110	03/07/2025
Nitrite	mg/L	3.1	3	103	90-110	03/07/2025
Nitrate	mg/L	2.6	2.5	104	90-110	03/07/2025
Sulfate	mg/L	15.1	15	101	90-110	03/07/2025
Orthophosphate as P	mg/L	5	5	100	90-110	03/07/2025

Initial and Continuing Calibration Verification

Client: G Environmental

SDG No.: Q1525

Project: DPW

RunNo.: LB134959

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.: Q1525

Project: DPW

RunNo.: LB134959

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	03/07/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.011	0.6	03/07/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.057	0.4	03/07/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.011	0.6	03/07/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.0034	0.5	03/07/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.032	3	03/07/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.079	1	03/07/2025
Sample ID: CCB2							
Bromide	mg/L	< 1.0000	1.0000	U	0.034	2	03/07/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.011	0.6	03/07/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.057	0.4	03/07/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.011	0.6	03/07/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.0034	0.5	03/07/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.032	3	03/07/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.079	1	03/07/2025

Initial and Continuing Calibration Blank Summary

Client: G Environmental

SDG No.: Q1525

Project: DPW

RunNo.: LB134959

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

Client: G Environmental

SDG No.: Q1525

Project: DPW

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: LB134959BLW							
Bromide	mg/L	< 1.0000	1.0000	U	0.034	2	03/07/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.011	0.6	03/07/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.057	0.4	03/07/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.011	0.6	03/07/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.0034	0.5	03/07/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.032	3	03/07/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.079	1	03/07/2025
Sample ID: LB135065BLW							
Alkalinity	mg/L	< 1.0000	1.0000	U	1	2	03/18/2025

Matrix Spike Summary

Client:	G Environmental	SDG No.:	Q1525
Project:	DPW	Sample ID:	Q1522-02
Client ID:	TW-WTS-04MS	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		0.60	J	10	1	96		03/07/2025
Chloride	mg/L	80-120	82.7	OR	83.1	OR	3	1	-13	*	03/07/2025
Fluoride	mg/L	80-120	3.20		1.30		2	1	95		03/07/2025
Nitrite	mg/L	80-120	11.2	OR	8.50	OR	3	1	90		03/07/2025
Nitrate	mg/L	80-120	14.6	OR	12.3	OR	2.5	1	92		03/07/2025
Sulfate	mg/L	80-120	375	OR	374	OR	15	1	7	*	03/07/2025
Orthophosphate as P	mg/L	80-120	5.20		0.079	U	5	1	104		03/07/2025

Matrix Spike Summary

Client:	G Environmental	SDG No.:	Q1525
Project:	DPW	Sample ID:	Q1522-02
Client ID:	TW-WTS-04MSD	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	10.8		0.60	J	10	1	102		03/07/2025
Chloride	mg/L	80-120	82.7	OR	83.1	OR	3	1	-13	*	03/07/2025
Fluoride	mg/L	80-120	3.30		1.30		2	1	100		03/07/2025
Nitrite	mg/L	80-120	11.4	OR	8.50	OR	3	1	97		03/07/2025
Nitrate	mg/L	80-120	14.7	OR	12.3	OR	2.5	1	96		03/07/2025
Sulfate	mg/L	80-120	375	OR	374	OR	15	1	7	*	03/07/2025
Orthophosphate as P	mg/L	80-120	5.20		0.079	U	5	1	104		03/07/2025

Duplicate Sample Summary

Client:	G Environmental	SDG No.:	Q1525
Project:	DPW	Sample ID:	Q1522-02
Client ID:	TW-WTS-04MSD	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	5.20		5.20		1	0		03/07/2025
Chloride	mg/L	+/-20	82.7	OR	82.7	OR	1	0		03/07/2025
Sulfate	mg/L	+/-20	375	OR	375	OR	1	0		03/07/2025
Nitrate	mg/L	+/-20	14.6	OR	14.7	OR	1	1		03/07/2025
Nitrite	mg/L	+/-20	11.2	OR	11.4	OR	1	2		03/07/2025
Fluoride	mg/L	+/-20	3.20		3.30		1	3		03/07/2025
Bromide	mg/L	+/-20	10.2		10.8		1	6		03/07/2025

Duplicate Sample Summary

Client:	G Environmental	SDG No.:	Q1525
Project:	DPW	Sample ID:	Q1525-01
Client ID:	MW10DUP	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
Alkalinity	mg/L	+/-20	154		154		1	0		03/18/2025

Laboratory Control Sample Summary

Client: G Environmental

SDG No.: Q1525

Project: DPW

Run No.: LB134959

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB134959BSW							
Bromide	mg/L	10	10.6		106	1	90-110	03/07/2025
Chloride	mg/L	3	3.10		103	1	90-110	03/07/2025
Fluoride	mg/L	2	2.10		105	1	90-110	03/07/2025
Nitrite	mg/L	3	3.10		103	1	90-110	03/07/2025
Nitrate	mg/L	2.5	2.60		104	1	90-110	03/07/2025
Sulfate	mg/L	15	15.6		104	1	90-110	03/07/2025
Orthophosphate as P	mg/L	5	5.20		104	1	90-110	03/07/2025

Laboratory Control Sample Summary

Client: G Environmental

SDG No.: Q1525

Project: DPW

Run No.: LB135065

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB135065BSW							
Alkalinity	mg/L	50	45.0		90	1	80-120	03/18/2025

Instrument ID: IC-2

Daily Analysis Runlog For Sequence/QC Batch ID # LB134959

Review By	Niha	Review On	3/11/2025 9:15:10 AM
Supervise By	Iwona	Supervise On	3/11/2025 4:16:22 PM
SubDirectory	LB134959	Test	Anions
STD. NAME	STD REF.#		
ICAL Standard	WP112016,WP112017,WP112018,WP112019,WP112020,WP112021,WP112022		
ICV Standard	WP112023		
CCV Standard	WP112231		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	WP112232		
Chk Standard	WP112024,WP112025		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	STD1	STD1	CAL1	02/21/25 11:05	All standards, samples, and	NF/IZ	OK
2	STD2	STD2	CAL2	02/21/25 11:26	QC are filtered through	NF/IZ	OK
3	STD3	STD3	CAL3	02/21/25 11:48	0.45um, filter lot W3160	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	03/07/25 10:50		NF/IZ	OK
11	CCB1	CCB1	CCB	03/07/25 11:11		NF/IZ	OK
12	LB134959BLW	LB134959BLW	MB	03/07/25 11:33		NF/IZ	OK
13	LB134959BSW	LB134959BSW	LCS	03/07/25 11:54		NF/IZ	OK
14	Q1525-01	MW10	SAM	03/07/25 12:16	Cl high	NF/IZ	Dilution
15	Q1522-02	TW-WTS-04	SAM	03/07/25 12:37		NF/IZ	OK
16	Q1522-02MS	TW-WTS-04MS	MS	03/07/25 12:59	9.5ml of sample, 0.5mL W3092	NF/IZ	OK
17	Q1522-02MSD	TW-WTS-04MSD	MSD	03/07/25 13:21	9.5ml of sample, 0.5mL W3092	NF/IZ	OK
18	Q1522-02DL	TW-WTS-04DL	SAM	03/07/25 13:42	5X for Cl, but still high	NF/IZ	Dilution

Instrument ID: IC-2

Daily Analysis Runlog For Sequence/QC Batch ID # LB134959

Review By	Niha	Review On	3/11/2025 9:15:10 AM
Supervise By	Iwona	Supervise On	3/11/2025 4:16:22 PM
SubDirectory	LB134959	Test	Anions
STD. NAME	STD REF.#		
ICAL Standard	WP112016,WP112017,WP112018,WP112019,WP112020,WP112021,WP112022		
ICV Standard	WP112023		
CCV Standard	WP112231		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	WP112232		
Chk Standard	WP112024,WP112025		

19	Q1522-02DL2	TW-WTS-04DL2	SAM	03/07/25 14:04	20X for Cl	NF/IZ	Confirms
20	CCV2	CCV2	CCV	03/07/25 14:25		NF/IZ	OK
21	CCB2	CCB2	CCB	03/07/25 14:47		NF/IZ	OK

Instrument ID: TITRATOR

Daily Analysis Runlog For Sequence/QC Batch ID # LB135065

Review By	Niha	Review On	3/19/2025 9:01:06 AM
Supervise By	Iwona	Supervise On	3/19/2025 9:31:24 AM
SubDirectory	LB135065	Test	Alkalinity
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	WP112337		
Chk Standard	W3150,W3071,W3107		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	LB135065BLW	LB135065BLW	MB	03/18/25 09:30	pH=3.87	Niha	OK
2	LB135065BSW	LB135065BSW	LCS	03/18/25 09:35	pH=4.40	Niha	OK
3	Q1505-05	PT-MIN1-WP	SAM	03/18/25 09:40	pH=4.46	Niha	OK
4	Q1525-01	MW10	SAM	03/18/25 09:45	pH=4.46	Niha	OK
5	Q1525-01DUP	MW10DUP	DUP	03/18/25 09:50	pH=4.45	Niha	OK



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LAB CHRONICLE

OrderID:	Q1525	OrderDate:	3/7/2025 11:17:00 AM
Client:	G Environmental	Project:	DPW
Contact:	Gary Landis	Location:	I31,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1525-01	MW10	WATER			03/06/25 12:25			03/07/25
			Alkalinity	SM2320 B			03/18/25 09:45	
			Anions Group1	300.0			03/07/25 12:16	