



LAB CHRONICLE

OrderID:	Q2250	OrderDate:	6/5/2025 4:22:00 PM
Client:	JACOBS Engineering Group, Inc.	Project:	Former Schlumberger STC PTC Site D3868221
Contact:	John Ynfante	Location:	D22,N31,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2250-05	EB02-060525	WATER			06/05/25 09:30			06/05/25
			Alkalinity	SM2320 B			06/10/25 12:55	
			Anions Group1	9056A			06/06/25 11:55	
			TDS	SM2540 C			06/06/25 12:30	



SAMPLE DATA

A

B

C

D

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	06/05/25 09:30
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	06/05/25
Client Sample ID:	EB02-060525	SDG No.:	Q2250
Lab Sample ID:	Q2250-05	Matrix:	Water
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Alkalinity	1.00	U	1	1.00	2.00	mg/L		06/10/25 12:55	SM 2320 B-11
Chloride	0.19	U	1	0.19	0.60	mg/L		06/06/25 11:55	9056A
Nitrate	0.095	U	1	0.095	0.50	mg/L		06/06/25 11:55	9056A
Sulfate	0.48	J	1	0.46	3.00	mg/L		06/06/25 11:55	9056A
TDS	76.0		1	1.00	10.0	mg/L		06/06/25 12:30	SM 2540 C-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

QC RESULT SUMMARY

Initial and Continuing Calibration Verification

Client: JACOBS Engineering Group, Inc.

SDG No.: Q2250

Project: Former Schlumberger STC PTC Site D3868221

RunNo.: LB136018

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1						
Bromide	mg/L	10.2	10	102	90-110	05/22/2025
Chloride	mg/L	3.1	3	103	90-110	05/22/2025
Fluoride	mg/L	2.1	2	105	90-110	05/22/2025
Nitrite	mg/L	3.1	3	103	90-110	05/22/2025
Nitrate	mg/L	2.6	2.5	104	90-110	05/22/2025
Sulfate	mg/L	15.1	15	101	90-110	05/22/2025
Orthophosphate as P	mg/L	5.3	5	106	90-110	05/22/2025
Sample ID: CCV1						
Bromide	mg/L	10.2	10	102	90-110	06/05/2025
Chloride	mg/L	3.1	3	103	90-110	06/05/2025
Fluoride	mg/L	2	2	100	90-110	06/05/2025
Nitrite	mg/L	3.1	3	103	90-110	06/05/2025
Nitrate	mg/L	2.6	2.5	104	90-110	06/05/2025
Sulfate	mg/L	15.1	15	101	90-110	06/05/2025
Orthophosphate as P	mg/L	5.3	5	106	90-110	06/05/2025
Sample ID: CCV2						
Bromide	mg/L	10.3	10	103	90-110	06/05/2025
Chloride	mg/L	3.1	3	103	90-110	06/05/2025
Fluoride	mg/L	2.1	2	105	90-110	06/05/2025
Nitrite	mg/L	3.1	3	103	90-110	06/05/2025
Nitrate	mg/L	2.6	2.5	104	90-110	06/05/2025
Sulfate	mg/L	15.2	15	101	90-110	06/05/2025
Orthophosphate as P	mg/L	5.3	5	106	90-110	06/05/2025
Sample ID: CCV3						
Bromide	mg/L	10.3	10	103	90-110	06/06/2025
Chloride	mg/L	3.1	3	103	90-110	06/06/2025
Fluoride	mg/L	2	2	100	90-110	06/06/2025
Nitrite	mg/L	3.1	3	103	90-110	06/06/2025
Nitrate	mg/L	2.6	2.5	104	90-110	06/06/2025
Sulfate	mg/L	15.2	15	101	90-110	06/06/2025
Orthophosphate as P	mg/L	5.2	5	104	90-110	06/06/2025
Sample ID: CCV4						
Bromide	mg/L	10.3	10	103	90-110	06/06/2025
Chloride	mg/L	3.1	3	103	90-110	06/06/2025
Fluoride	mg/L	2.1	2	105	90-110	06/06/2025
Nitrite	mg/L	3.1	3	103	90-110	06/06/2025
Nitrate	mg/L	2.6	2.5	104	90-110	06/06/2025
Sulfate	mg/L	15.3	15	102	90-110	06/06/2025

Initial and Continuing Calibration Verification

Client: JACOBS Engineering Group, Inc.

SDG No.: Q2250

Project: Former Schlumberger STC PTC Site D3868221

RunNo.: LB136018

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Orthophosphate as P	mg/L	5.4	5	108	90-110	06/06/2025

Initial and Continuing Calibration Blank Summary

Client: JACOBS Engineering Group, Inc.

SDG No.: Q2250

Project: Former Schlumberger STC PTC Site D3868221

RunNo.: LB136018

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	05/22/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	05/22/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	05/22/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	05/22/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	05/22/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	05/22/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	05/22/2025
Sample ID: CCB1							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	06/05/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	06/05/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	06/05/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	06/05/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	06/05/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	06/05/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	06/05/2025
Sample ID: CCB2							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	06/05/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	06/05/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	06/05/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	06/05/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	06/05/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	06/05/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	06/05/2025
Sample ID: CCB3							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	06/06/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	06/06/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	06/06/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	06/06/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	06/06/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	06/06/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	06/06/2025
Sample ID: CCB4							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	06/06/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	06/06/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	06/06/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	06/06/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	06/06/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	06/06/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	06/06/2025

Preparation Blank Summary

Client: JACOBS Engineering Group, Inc.

SDG No.: Q2250

Project: Former Schlumberger STC PTC Site D3868221

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: LB136018BLW							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	06/05/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	06/05/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	06/05/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	06/05/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	06/05/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	06/05/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	06/05/2025
Sample ID: LB136018BLW2							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	06/06/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	06/06/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	06/06/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	06/06/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	06/06/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	06/06/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	06/06/2025
Sample ID: LB136041BL							
TDS	mg/L	< 5.0000	5.0000	U	1.0	10	06/06/2025
Sample ID: LB136111BL							
Alkalinity	mg/L	< 1.0000	1.0000	U	1	2	06/10/2025

Matrix Spike Summary

Client:	JACOBS Engineering Group, Inc.	SDG No.:	Q2250
Project:	Former Schlumberger STC PTC Site D3868221	Sample ID:	Q2234-01
Client ID:	MW-17B-55-060425MS	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	10.5		0.37	U	10	1	105		06/05/2025
Chloride	mg/L	80-120	23.7	OR	21.1	OR	3	1	87		06/05/2025
Fluoride	mg/L	80-120	2.30		0.28	J	2	1	101		06/05/2025
Nitrite	mg/L	80-120	3.10		0.074	U	3	1	103		06/05/2025
Nitrate	mg/L	80-120	2.60		0.095	U	2.5	1	104		06/05/2025
Sulfate	mg/L	80-120	49.3	OR	34.4		15	1	99		06/05/2025
Orthophosphate as P	mg/L	80-120	4.30		0.34	U	5	1	86		06/05/2025

Matrix Spike Summary

Client:	JACOBS Engineering Group, Inc.	SDG No.:	Q2250
Project:	Former Schlumberger STC PTC Site D3868221	Sample ID:	Q2234-01
Client ID:	MW-17B-55-060425MSD	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		0.37	U	10	1	100		06/05/2025
Chloride	mg/L	80-120	23.5	OR	21.1	OR	3	1	80		06/05/2025
Fluoride	mg/L	80-120	2.20		0.28	J	2	1	96		06/05/2025
Nitrite	mg/L	80-120	2.90		0.074	U	3	1	97		06/05/2025
Nitrate	mg/L	80-120	2.50		0.095	U	2.5	1	100		06/05/2025
Sulfate	mg/L	80-120	48.6	OR	34.4		15	1	95		06/05/2025
Orthophosphate as P	mg/L	80-120	4.00		0.34	U	5	1	80		06/05/2025

Duplicate Sample Summary

Client:	JACOBS Engineering Group, Inc.	SDG No.:	Q2250
Project:	Former Schlumberger STC PTC Site D3868221	Sample ID:	Q2231-05
Client ID:	MW-17-20250604DUP	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
TDS	mg/L	+/-5	296		302		1	2.01		06/06/2025

Duplicate Sample Summary

Client:	JACOBS Engineering Group, Inc.	SDG No.:	Q2250
Project:	Former Schlumberger STC PTC Site D3868221	Sample ID:	Q2234-01
Client ID:	MW-17B-55-060425MSD	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
Chloride	mg/L	+/-15	23.7	OR	23.5	OR	1	1		06/05/2025
Sulfate	mg/L	+/-15	49.3	OR	48.6	OR	1	1		06/05/2025
Fluoride	mg/L	+/-15	2.30		2.20		1	4		06/05/2025
Nitrate	mg/L	+/-15	2.60		2.50		1	4		06/05/2025
Bromide	mg/L	+/-15	10.5		10.0		1	5		06/05/2025
Nitrite	mg/L	+/-15	3.10		2.90		1	7		06/05/2025
Orthophosphate as P	mg/L	+/-15	4.30		4.00		1	7		06/05/2025

Duplicate Sample Summary

Client:	JACOBS Engineering Group, Inc.	SDG No.:	Q2250
Project:	Former Schlumberger STC PTC Site D3868221	Sample ID:	Q2250-05
Client ID:	EB02-060525DUP	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	1.00	U	1.00	U	1	0		06/10/2025

Laboratory Control Sample Summary

Client:	JACOBS Engineering Group, Inc.	SDG No.:	Q2250
Project:	Former Schlumberger STC PTC Site D3868221	Run No.:	LB136018

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB136018BSW							
Bromide	mg/L	10	10.3		103	1	90-110	06/05/2025
Chloride	mg/L	3	3.10		103	1	90-110	06/05/2025
Fluoride	mg/L	2	2.00		100	1	90-110	06/05/2025
Nitrite	mg/L	3	3.10		103	1	90-110	06/05/2025
Nitrate	mg/L	2.5	2.60		104	1	90-110	06/05/2025
Sulfate	mg/L	15	15.3		102	1	90-110	06/05/2025
Orthophosphate as P	mg/L	5	5.30		106	1	90-110	06/05/2025

Laboratory Control Sample Summary

Client:	JACOBS Engineering Group, Inc.	SDG No.:	Q2250
Project:	Former Schlumberger STC PTC Site D3868221	Run No.:	LB136018

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB136018BSW2							
Bromide	mg/L	10	10.3		103	1	90-110	06/06/2025
Chloride	mg/L	3	3.10		103	1	90-110	06/06/2025
Fluoride	mg/L	2	2.00		100	1	90-110	06/06/2025
Nitrite	mg/L	3	3.10		103	1	90-110	06/06/2025
Nitrate	mg/L	2.5	2.60		104	1	90-110	06/06/2025
Sulfate	mg/L	15	15.4		103	1	90-110	06/06/2025
Orthophosphate as P	mg/L	5	5.40		108	1	90-110	06/06/2025

Laboratory Control Sample Summary

Client: JACOBS Engineering Group, Inc.

SDG No.: Q2250

Project: Former Schlumberger STC PTC Site D3868221

Run No.: LB136041

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB136041BS							
TDS	mg/L	100	95.0		95	1	90-110	06/06/2025

Laboratory Control Sample Summary

Client:	JACOBS Engineering Group, Inc.	SDG No.:	Q2250
Project:	Former Schlumberger STC PTC Site D3868221	Run No.:	LB136111

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB136111BS							
Alkalinity	mg/L	50	46.2		92	1	80-120	06/10/2025