

LAB CHRONICLE

OrderID:	Q2842	OrderDate:	8/13/2025 8:34:00 AM
Client:	JACOBS Engineering Group, Inc.	Project:	Former Schlumberger STC PTC Site D3868221
Contact:	John Ynfante	Location:	J23,J32,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2842-01	RMW-03B-90.4-0812 25	WATER			08/12/25 12:30			08/12/25
			Anions Group1	9056A			08/13/25 13:42	
Q2842-01DL	RMW-03B-90.4-0812 25DL	WATER			08/12/25 12:30			08/12/25
			Anions Group1	9056A			08/13/25 16:13	
Q2842-03	MW-17B-55.5-0812 25	WATER			08/12/25 11:54			08/12/25
			Alkalinity	SM2320 B			08/15/25 09:13	
			Anions Group1	9056A			08/13/25 14:25	
			TDS	SM2540 C			08/14/25 17:20	
Q2842-03DL	MW-17B-55.5-0812 25DL	WATER			08/12/25 11:54			08/12/25
			Anions Group1	9056A			08/13/25 16:34	



SAMPLE DATA

A

B

C

D

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/12/25 12:30
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	08/12/25
Client Sample ID:	RMW-03B-90.4-081225	SDG No.:	Q2842
Lab Sample ID:	Q2842-01	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Chloride	18.7	OR	1	0.19	0.60	mg/L		08/13/25 13:42	9056A
Nitrate	0.095	U	1	0.095	0.50	mg/L		08/13/25 13:42	9056A
Sulfate	2.40	J	1	0.46	3.00	mg/L		08/13/25 13:42	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:	JACOBS Engineering Group, Inc.	Date Collected:	08/12/25 12:30
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	08/12/25
Client Sample ID:	RMW-03B-90.4-081225DL	SDG No.:	Q2842
Lab Sample ID:	Q2842-01DL	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Chloride	18.0	D	5	0.95	3.00	mg/L		08/13/25 16:13	9056A

Comments:

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/12/25 11:54
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	08/12/25
Client Sample ID:	MW-17B-55.5-081225	SDG No.:	Q2842
Lab Sample ID:	Q2842-03	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Alkalinity	88.2		1	1.00	2.00	mg/L		08/15/25 09:13	SM 2320 B-21
Chloride	20.6	OR	1	0.19	0.60	mg/L		08/13/25 14:25	9056A
Nitrate	0.095	U	1	0.095	0.50	mg/L		08/13/25 14:25	9056A
Sulfate	41.0	OR	1	0.46	3.00	mg/L		08/13/25 14:25	9056A
TDS	197		1	1.00	10.0	mg/L		08/14/25 17:20	SM 2540 C-20

Comments: The alkalinity to pH 4.42=88.2 mg CaCO3/L

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/12/25 11:54
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	08/12/25
Client Sample ID:	MW-17B-55.5-081225DL	SDG No.:	Q2842
Lab Sample ID:	Q2842-03DL	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Chloride	19.4	D	5	0.95	3.00	mg/L		08/13/25 16:34	9056A
Sulfate	40.6	D	5	2.30	15.0	mg/L		08/13/25 16:34	9056A

Comments: _____

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LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

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N =Spiked sample recovery not within control limits

QC RESULT SUMMARY

Initial and Continuing Calibration Verification

Client: JACOBS Engineering Group, Inc.

SDG No.: Q2842

Project: Former Schlumberger STC PTC Site D3868221

RunNo.: LB136803

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1						
Bromide	mg/L	10.3	10	103	90-110	08/06/2025
Chloride	mg/L	3.2	3	107	90-110	08/06/2025
Fluoride	mg/L	2	2	100	90-110	08/06/2025
Nitrite	mg/L	3.1	3	103	90-110	08/06/2025
Nitrate	mg/L	2.6	2.5	104	90-110	08/06/2025
Sulfate	mg/L	15.4	15	103	90-110	08/06/2025
Orthophosphate as P	mg/L	5	5	100	90-110	08/06/2025
Sample ID: CCV1						
Bromide	mg/L	10	10	100	90-110	08/13/2025
Chloride	mg/L	3	3	100	90-110	08/13/2025
Fluoride	mg/L	2	2	100	90-110	08/13/2025
Nitrite	mg/L	3	3	100	90-110	08/13/2025
Nitrate	mg/L	2.5	2.5	100	90-110	08/13/2025
Sulfate	mg/L	14.9	15	99	90-110	08/13/2025
Orthophosphate as P	mg/L	4.9	5	98	90-110	08/13/2025
Sample ID: CCV2						
Bromide	mg/L	10	10	100	90-110	08/13/2025
Chloride	mg/L	3	3	100	90-110	08/13/2025
Fluoride	mg/L	2	2	100	90-110	08/13/2025
Nitrite	mg/L	3	3	100	90-110	08/13/2025
Nitrate	mg/L	2.5	2.5	100	90-110	08/13/2025
Sulfate	mg/L	14.7	15	98	90-110	08/13/2025
Orthophosphate as P	mg/L	5.1	5	102	90-110	08/13/2025

Initial and Continuing Calibration Blank Summary

Client: JACOBS Engineering Group, Inc.

SDG No.: Q2842

Project: Former Schlumberger STC PTC Site D3868221

RunNo.: LB136803

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	08/06/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	08/06/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	08/06/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	08/06/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	08/06/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	08/06/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	08/06/2025
Sample ID: CCB1							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	08/13/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	08/13/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	08/13/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	08/13/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	08/13/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	08/13/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	08/13/2025
Sample ID: CCB2							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	08/13/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	08/13/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	08/13/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	08/13/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	08/13/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	08/13/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	08/13/2025

Preparation Blank Summary

Client: JACOBS Engineering Group, Inc.

SDG No.: Q2842

Project: Former Schlumberger STC PTC Site D3868221

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: LB136803BLW							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	08/13/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	08/13/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	08/13/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	08/13/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	08/13/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	08/13/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	08/13/2025
Sample ID: LB136835BL							
TDS	mg/L	< 5.0000	5.0000	U	1.0	10	08/14/2025
Sample ID: LB136847BLW							
Alkalinity	mg/L	< 1.0000	1.0000	U	1	2	08/15/2025

Matrix Spike Summary

Client:	JACOBS Engineering Group, Inc.	SDG No.:	Q2842
Project:	Former Schlumberger STC PTC Site D3868221	Sample ID:	Q2842-03
Client ID:	MW-17B-55.5-081225MS	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		0.37	U	10	1	103		08/13/2025
Chloride	mg/L	80-120	23.5	OR	20.6	OR	3	1	97		08/13/2025
Fluoride	mg/L	80-120	2.30		0.23	J	2	1	104		08/13/2025
Nitrite	mg/L	80-120	3.00		0.074	U	3	1	100		08/13/2025
Nitrate	mg/L	80-120	2.60		0.095	U	2.5	1	104		08/13/2025
Sulfate	mg/L	80-120	55.1	OR	41.0	OR	15	1	94		08/13/2025
Orthophosphate as P	mg/L	80-120	3.10		0.34	U	5	1	62	*	08/13/2025

Matrix Spike Summary

Client:	JACOBS Engineering Group, Inc.	SDG No.:	Q2842
Project:	Former Schlumberger STC PTC Site D3868221	Sample ID:	Q2842-03
Client ID:	MW-17B-55.5-081225MSD	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		08/13/2025
Chloride	mg/L	80-120	23.3	OR	20.6	OR	3	1	90		08/13/2025
Fluoride	mg/L	80-120	2.40		0.23	J	2	1	109		08/13/2025
Nitrite	mg/L	80-120	3.10		0.074	U	3	1	103		08/13/2025
Nitrate	mg/L	80-120	2.60		0.095	U	2.5	1	104		08/13/2025
Sulfate	mg/L	80-120	55.4	OR	41.0	OR	15	1	96		08/13/2025
Orthophosphate as P	mg/L	80-120	3.30		0.34	U	5	1	66	*	08/13/2025

Duplicate Sample Summary

Client:	JACOBS Engineering Group, Inc.	SDG No.:	Q2842
Project:	Former Schlumberger STC PTC Site D3868221	Sample ID:	Q2842-03
Client ID:	MW-17B-55.5-081225DUP	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	197		196		1	0.51		08/14/2025
Alkalinity	mg/L	+/-20	88.2		87.6		1	1		08/15/2025

Duplicate Sample Summary

Client:	JACOBS Engineering Group, Inc.	SDG No.:	Q2842
Project:	Former Schlumberger STC PTC Site D3868221	Sample ID:	Q2842-03
Client ID:	MW-17B-55.5-081225MSD	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	2.60		2.60		1	0		08/13/2025
Chloride	mg/L	+/-15	23.5	OR	23.3	OR	1	1		08/13/2025
Sulfate	mg/L	+/-15	55.1	OR	55.4	OR	1	1		08/13/2025
Bromide	mg/L	+/-15	10.3		10.5		1	2		08/13/2025
Nitrite	mg/L	+/-15	3.00		3.10		1	3		08/13/2025
Fluoride	mg/L	+/-15	2.30		2.40		1	4		08/13/2025
Orthophosphate as P	mg/L	+/-15	3.10		3.30		1	6		08/13/2025

Laboratory Control Sample Summary

Client:	JACOBS Engineering Group, Inc.	SDG No.:	Q2842
Project:	Former Schlumberger STC PTC Site D3868221	Run No.:	LB136803

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB136803BSW							
Bromide	mg/L	10	10.0		100	1	90-110	08/13/2025
Chloride	mg/L	3	3.00		100	1	90-110	08/13/2025
Fluoride	mg/L	2	2.00		100	1	90-110	08/13/2025
Nitrite	mg/L	3	3.00		100	1	90-110	08/13/2025
Nitrate	mg/L	2.5	2.50		100	1	90-110	08/13/2025
Sulfate	mg/L	15	15.0		100	1	90-110	08/13/2025
Orthophosphate as P	mg/L	5	5.00		100	1	90-110	08/13/2025

Laboratory Control Sample Summary

Client:	JACOBS Engineering Group, Inc.	SDG No.:	Q2842
Project:	Former Schlumberger STC PTC Site D3868221	Run No.:	LB136835

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB136835BS							
TDS	mg/L	100	95.0		95	1	90-110	08/14/2025

Laboratory Control Sample Summary

Client:	JACOBS Engineering Group, Inc.	SDG No.:	Q2842
Project:	Former Schlumberger STC PTC Site D3868221	Run No.:	LB136847

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB136847BSW							
Alkalinity	mg/L	50	53.4		107	1	80-120	08/15/2025