



SAMPLE DATA

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/13/25 15:45
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	08/14/25
Client Sample ID:	MW-18B-57.5-081325	SDG No.:	Q2878
Lab Sample ID:	Q2878-01	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Alkalinity	143		1	1.00	2.00	mg/L		08/15/25 09:25	SM 2320 B-21
Chloride	19.0	OR	1	0.19	0.60	mg/L		08/15/25 12:42	9056A
Nitrate	0.095	U	1	0.095	0.50	mg/L		08/15/25 12:42	9056A
Sulfate	156	OR	1	0.46	3.00	mg/L		08/15/25 12:42	9056A
TDS	261		1	1.00	10.0	mg/L		08/14/25 17:20	SM 2540 C-20

Comments: The alkalinity to pH 4.40=143 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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/13/25 15:45
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	08/14/25
Client Sample ID:	MW-18B-57.5-081325DL	SDG No.:	Q2878
Lab Sample ID:	Q2878-01DL	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Chloride	21.4	D	10	1.90	6.00	mg/L		08/15/25 15:13	9056A
Sulfate	148	D	10	4.60	30.0	mg/L		08/15/25 15:13	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: JACOBS Engineering Group, Inc.

SDG No.: Q2878

Project: Former Schlumberger STC PTC Site D3868221

RunNo.: LB136833

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	10.2	10	102	90-110	08/15/2025
Chloride	mg/L	3.1	3	103	90-110	08/15/2025
Fluoride	mg/L	2	2	100	90-110	08/15/2025
Nitrite	mg/L	3	3	100	90-110	08/15/2025
Nitrate	mg/L	2.5	2.5	100	90-110	08/15/2025
Sulfate	mg/L	15.2	15	101	90-110	08/15/2025
Orthophosphate as P	mg/L	5	5	100	90-110	08/15/2025
Sample ID: CCV2						
Bromide	mg/L	10.2	10	102	90-110	08/15/2025
Chloride	mg/L	3.1	3	103	90-110	08/15/2025
Fluoride	mg/L	2	2	100	90-110	08/15/2025
Nitrite	mg/L	3	3	100	90-110	08/15/2025
Nitrate	mg/L	2.5	2.5	100	90-110	08/15/2025
Sulfate	mg/L	15.2	15	101	90-110	08/15/2025
Orthophosphate as P	mg/L	4.6	5	92	90-110	08/15/2025
Sample ID: CCV3						
Bromide	mg/L	10.2	10	102	90-110	08/15/2025
Chloride	mg/L	3.1	3	103	90-110	08/15/2025
Fluoride	mg/L	2	2	100	90-110	08/15/2025
Nitrite	mg/L	3	3	100	90-110	08/15/2025
Nitrate	mg/L	2.5	2.5	100	90-110	08/15/2025
Sulfate	mg/L	15.1	15	101	90-110	08/15/2025
Orthophosphate as P	mg/L	5.2	5	104	90-110	08/15/2025

Initial and Continuing Calibration Blank Summary

Client: JACOBS Engineering Group, Inc.

SDG No.: Q2878

Project: Former Schlumberger STC PTC Site D3868221

RunNo.: LB136833

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	08/15/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	08/15/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	08/15/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	08/15/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	08/15/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	08/15/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	08/15/2025
Sample ID: CCB2							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	08/15/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	08/15/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	08/15/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	08/15/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	08/15/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	08/15/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	08/15/2025
Sample ID: CCB3							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	08/15/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	08/15/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	08/15/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	08/15/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	08/15/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	08/15/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	08/15/2025

Preparation Blank Summary

Client: JACOBS Engineering Group, Inc.

SDG No.: Q2878

Project: Former Schlumberger STC PTC Site D3868221

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: LB136833BLW							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	08/15/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	08/15/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	08/15/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	08/15/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	08/15/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	08/15/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	08/15/2025
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.:	Q2878
Project:	Former Schlumberger STC PTC Site D3868221	Sample ID:	Q2878-01
Client ID:	MW-18B-57.5-081325MS	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		08/15/2025
Chloride	mg/L	80-120	21.6	OR	19.0	OR	3	1	87		08/15/2025
Fluoride	mg/L	80-120	2.30		0.23	J	2	1	104		08/15/2025
Nitrite	mg/L	80-120	3.10		0.074	U	3	1	103		08/15/2025
Nitrate	mg/L	80-120	2.60		0.095	U	2.5	1	104		08/15/2025
Sulfate	mg/L	80-120	168	OR	156	OR	15	1	80		08/15/2025
Orthophosphate as P	mg/L	80-120	8.30		0.34	U	5	1	166	*	08/15/2025

Matrix Spike Summary

Client:	JACOBS Engineering Group, Inc.	SDG No.:	Q2878
Project:	Former Schlumberger STC PTC Site D3868221	Sample ID:	Q2878-01
Client ID:	MW-18B-57.5-081325MSD	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		0.37	U	10	1	102		08/15/2025
Chloride	mg/L	80-120	21.4	OR	19.0	OR	3	1	80		08/15/2025
Fluoride	mg/L	80-120	2.20		0.23	J	2	1	99		08/15/2025
Nitrite	mg/L	80-120	3.00		0.074	U	3	1	100		08/15/2025
Nitrate	mg/L	80-120	2.50		0.095	U	2.5	1	100		08/15/2025
Sulfate	mg/L	80-120	168	OR	156	OR	15	1	80		08/15/2025
Orthophosphate as P	mg/L	80-120	6.80		0.34	U	5	1	136	*	08/15/2025

Duplicate Sample Summary

Client:	JACOBS Engineering Group, Inc.	SDG No.:	Q2878
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.:	Q2878
Project:	Former Schlumberger STC PTC Site D3868221	Sample ID:	Q2878-01
Client ID:	MW-18B-57.5-081325MSD	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
Sulfate	mg/L	+/-15	168	OR	168	OR	1	0		08/15/2025
Chloride	mg/L	+/-15	21.6	OR	21.4	OR	1	1		08/15/2025
Orthophosphate as P	mg/L	+/-15	8.30		6.80		1	20		08/15/2025
Bromide	mg/L	+/-15	10.5		10.2		1	3		08/15/2025
Nitrite	mg/L	+/-15	3.10		3.00		1	3		08/15/2025
Fluoride	mg/L	+/-15	2.30		2.20		1	4		08/15/2025
Nitrate	mg/L	+/-15	2.60		2.50		1	4		08/15/2025

Laboratory Control Sample Summary

Client:	JACOBS Engineering Group, Inc.	SDG No.:	Q2878
Project:	Former Schlumberger STC PTC Site D3868221	Run No.:	LB136833

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB136833BSW							
Bromide	mg/L	10	10.2		102	1	90-110	08/15/2025
Chloride	mg/L	3	3.10		103	1	90-110	08/15/2025
Fluoride	mg/L	2	2.00		100	1	90-110	08/15/2025
Nitrite	mg/L	3	3.00		100	1	90-110	08/15/2025
Nitrate	mg/L	2.5	2.50		100	1	90-110	08/15/2025
Sulfate	mg/L	15	15.3		102	1	90-110	08/15/2025
Orthophosphate as P	mg/L	5	5.10		102	1	90-110	08/15/2025

Laboratory Control Sample Summary

Client:	JACOBS Engineering Group, Inc.	SDG No.:	Q2878
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.:	Q2878
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

Instrument ID: IC-1

Daily Analysis Runlog For Sequence/QC Batch ID # LB136833

Review By	rubina	Review On	8/19/2025 5:04:52 PM
Supervise By	Sohil	Supervise On	8/20/2025 11:21:28 AM
SubDirectory	LB136833	Test	Anions
STD. NAME	STD REF.#		
ICAL Standard	WP114185,WP114186,WP114187,WP114188,WP114189,WP114190,WP114191		
ICV Standard	WP114192		
CCV Standard	WP114307		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	WP114308		
Chk Standard	WP114193,WP114194		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	STD1	STD1	CAL1	08/06/25 10:18	All standards, samples, and	RM/IZ	OK
2	STD2	STD2	CAL2	08/06/25 10:40	QC are filtered through	RM/IZ	OK
3	STD3	STD3	CAL3	08/06/25 11:01	0.45um, filter lot W3160	RM/IZ	OK
4	STD4	STD4	CAL4	08/06/25 11:23		RM/IZ	OK
5	STD5	STD5	CAL5	08/06/25 11:44		RM/IZ	OK
6	STD6	STD6	CAL6	08/06/25 12:06		RM/IZ	OK
7	STD7	STD7	CAL7	08/06/25 12:27		RM/IZ	OK
8	ICV1	ICV1	ICV	08/06/25 12:48		RM/IZ	OK
9	ICB1	ICB1	ICB	08/06/25 13:10		RM/IZ	OK
10	CCV1	CCV1	CCV	08/15/25 08:46		RM/IZ	OK
11	CCB1	CCB1	CCB	08/15/25 09:07		RM/IZ	OK
12	LB136833BLW	LB136833BLW	MB	08/15/25 09:29		RM/IZ	OK
13	LB136833BSW	LB136833BSW	LCS	08/15/25 09:50		RM/IZ	OK
14	Q2869-01	MW-19B-71.5-081325	SAM	08/15/25 10:12	Cl,SO4 is high	RM/IZ	Dilution
15	Q2869-05	MW-19B-71.5-081325	SAM	08/15/25 10:55	Cl,SO4 is high	RM/IZ	Dilution
16	Q2869-07	EB01-081325	SAM	08/15/25 11:59		RM/IZ	OK
17	Q2878-01	MW-18B-57.5-081325	SAM	08/15/25 12:42	Cl,SO4 is high	RM/IZ	Dilution
18	Q2878-01MS	MW-18B-57.5-081325	MS	08/15/25 13:04	9.5ml of sample, 0.5mL W3092	RM/IZ	OK

Instrument ID: IC-1

Daily Analysis Runlog For Sequence/QC Batch ID # LB136833

Review By	rubina	Review On	8/19/2025 5:04:52 PM
Supervise By	Sohil	Supervise On	8/20/2025 11:21:28 AM
SubDirectory	LB136833	Test	Anions
STD. NAME	STD REF.#		
ICAL Standard	WP114185,WP114186,WP114187,WP114188,WP114189,WP114190,WP114191		
ICV Standard	WP114192		
CCV Standard	WP114307		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	WP114308		
Chk Standard	WP114193,WP114194		

19	Q2878-01MSD	MW-18B-57.5-081325	MSD	08/15/25 13:25	9.5ml of sample, 0.5mL W3092	RM/IZ	OK
20	Q2869-01DL	MW-19B-71.5-081325	SAM	08/15/25 13:47	10X For Cl,SO4	RM/IZ	Confirms
21	Q2869-05DL	MW-19B-71.5-081325	SAM	08/15/25 14:08	10X For Cl,SO4	RM/IZ	Confirms
22	CCV2	CCV2	CCV	08/15/25 14:30		RM/IZ	OK
23	CCB2	CCB2	CCB	08/15/25 14:51		RM/IZ	OK
24	Q2878-01DL	MW-18B-57.5-081325	SAM	08/15/25 15:13	10X For Cl,SO4	RM/IZ	Confirms
25	CCV3	CCV3	CCV	08/15/25 15:56		RM/IZ	OK
26	CCB3	CCB3	CCB	08/15/25 16:17		RM/IZ	OK

Instrument ID: WC SC-3

Daily Analysis Runlog For Sequence/QC Batch ID # LB136835

Review By	jignesh	Review On	8/15/2025 12:01:25 PM
Supervise By	rubina	Supervise On	8/15/2025 12:31:13 PM
SubDirectory	LB136835	Test	TDS
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	N/A		
Chk Standard	N/A		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	LB136835BL	LB136835BL	MB	08/14/25 17:20		jignesh	OK
2	LB136835BS	LB136835BS	LCS	08/14/25 17:20		jignesh	OK
3	Q2842-03	MW-17B-55.5-081220	SAM	08/14/25 17:20		jignesh	OK
4	Q2842-03DUP	MW-17B-55.5-081220	DUP	08/14/25 17:20		jignesh	OK
5	Q2860-01	TOWER#1	SAM	08/14/25 17:20		jignesh	OK
6	Q2860-02	TOWER#2	SAM	08/14/25 17:20		jignesh	OK
7	Q2869-01	MW-19B-71.5-081325	SAM	08/14/25 17:20		jignesh	OK
8	Q2869-05	MW-19B-71.5-081325	SAM	08/14/25 17:20		jignesh	OK
9	Q2869-07	EB01-081325	SAM	08/14/25 17:20		jignesh	OK
10	Q2878-01	MW-18B-57.5-081325	SAM	08/14/25 17:20		jignesh	OK

Instrument ID: TITRATOR

Daily Analysis Runlog For Sequence/QC Batch ID # LB136847

Review By	Eman	Review On	8/19/2025 4:34:43 PM
Supervise By	Sohil	Supervise On	8/20/2025 11:21:54 AM
SubDirectory	LB136847	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	WP114306		
Chk Standard	W3217,W3178,W3150		

Sr#	SampleID	ClientID	QcType	Date	Comment	Operator	Status
1	LB136847BLW	LB136847BLW	MB	08/15/25 09:05	pH=3.78	Eman	OK
2	LB136847BSW	LB136847BSW	LCS	08/15/25 09:09	pH=4.46	Eman	OK
3	Q2842-03	MW-17B-55.5-081220	SAM	08/15/25 09:13	pH=4.42	Eman	OK
4	Q2842-03DUP	MW-17B-55.5-081220	DUP	08/15/25 09:17	pH=4.38	Eman	OK
5	Q2869-01	MW-19B-71.5-081325	SAM	08/15/25 09:20	pH=4.32	Eman	OK
6	Q2869-05	MW-19B-71.5-081325	SAM	08/15/25 09:21	pH=4.34	Eman	OK
7	Q2878-01	MW-18B-57.5-081325	SAM	08/15/25 09:25	pH=4.40	Eman	OK

LAB CHRONICLE

OrderID:	Q2878	OrderDate:	8/14/2025 3:49:00 PM
Client:	JACOBS Engineering Group, Inc.	Project:	Former Schlumberger STC PTC Site D3868221
Contact:	John Ynfante	Location:	D31,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2878-01	MW-18B-57.5-081325	WATER			08/13/25 15:45			08/14/25
			Alkalinity	SM2320 B			08/15/25 09:25	
			Anions Group1	9056A			08/15/25 12:42	
			TDS	SM2540 C			08/14/25 17:20	
Q2878-01DL	MW-18B-57.5-081325 DL	WATER			08/13/25 15:45			08/14/25
			Anions Group1	9056A			08/15/25 15:13	