

Daily Analysis Runlog For Sequence/QC Batch ID # LB91776

Review By		Review On				
SubDirectory		LB91776		Test : Carbonate		
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		WP59880				
Chk Standard		W2269,W2159,W2270				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	LB91776BLW	LB91776BLW	MB	11/27/17 11:10		OK
2	LB91776BSW	LB91776BSW	LCS	11/27/17 11:12		OK
3	I6575-01	MW9-055-1	SAM	11/27/17 11:18		OK
4	I6575-02	MW2S-055-1	SAM	11/27/17 11:22		OK
5	I6575-03	MW10M-055-1	SAM	11/27/17 11:26		OK
6	I6575-04	MW10M-055-2	SAM	11/27/17 11:31		OK
7	I6575-05	MW10D-055-1	SAM	11/27/17 11:36		OK
8	I6575-06	MW11M-055-3	SAM	11/27/17 11:41		OK
9	I6575-07	MW11M-055-1	SAM	11/27/17 11:44		OK
10	I6575-08	MW11D-055-1	SAM	11/27/17 11:48		OK
11	I6575-09	MW4S-055-1	SAM	11/27/17 11:53		OK
12	I6575-10	MW4D-055-1	SAM	11/27/17 11:57		OK
13	I6575-10DUP	MW4D-055-1DUP	DUP	11/27/17 12:12		OK



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Report of Analysis

Client:		Date Collected:	11/20/2017 12:00:00 AM
Project:	LB91776	Date Received:	11/21/2017 12:00:00 AM
Client Sample ID:	MW9-055-1	SDG No.:	LB91776
Lab Sample ID:	I6575-01	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Carbonate	0.044	U	1	0.4		2	mg/L		11/27/2017	SM2320 B



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Report of Analysis

Client:		Date Collected:	11/20/2017 12:00:00 AM
Project:	LB91776	Date Received:	11/21/2017 12:00:00 AM
Client Sample ID:	MW2S-055-1	SDG No.:	LB91776
Lab Sample ID:	I6575-02	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Carbonate	0.0048	U	1	0.4		2	mg/L		11/27/2017	SM2320 B



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Report of Analysis

Client:		Date Collected:	11/20/2017 12:00:00 AM
Project:	LB91776	Date Received:	11/21/2017 12:00:00 AM
Client Sample ID:	MW10M-055-1	SDG No.:	LB91776
Lab Sample ID:	I6575-03	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Carbonate	0.072	U	1	0.4		2	mg/L		11/27/2017	SM2320 B



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Report of Analysis

Client:		Date Collected:	11/20/2017 12:00:00 AM
Project:	LB91776	Date Received:	11/21/2017 12:00:00 AM
Client Sample ID:	MW10M-055-2	SDG No.:	LB91776
Lab Sample ID:	I6575-04	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Carbonate	0.087	U	1	0.4		2	mg/L		11/27/2017	SM2320 B



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Report of Analysis

Client:		Date Collected:	11/20/2017 12:00:00 AM
Project:	LB91776	Date Received:	11/21/2017 12:00:00 AM
Client Sample ID:	MW10D-055-1	SDG No.:	LB91776
Lab Sample ID:	I6575-05	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Carbonate	0.075	U	1	0.4		2	mg/L		11/27/2017	SM2320 B



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Report of Analysis

Client:		Date Collected:	11/20/2017 12:00:00 AM
Project:	LB91776	Date Received:	11/21/2017 12:00:00 AM
Client Sample ID:	MW11M-055-3	SDG No.:	LB91776
Lab Sample ID:	I6575-06	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Carbonate	-0	U	1	0.4		2	mg/L		11/27/2017	SM2320 B



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Report of Analysis

Client:		Date Collected:	11/20/2017 12:00:00 AM
Project:	LB91776	Date Received:	11/21/2017 12:00:00 AM
Client Sample ID:	MW11M-055-1	SDG No.:	LB91776
Lab Sample ID:	I6575-07	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Carbonate	0.058	U	1	0.4		2	mg/L		11/27/2017	SM2320 B



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Report of Analysis

Client:		Date Collected:	11/20/2017 12:00:00 AM
Project:	LB91776	Date Received:	11/21/2017 12:00:00 AM
Client Sample ID:	MW11D-055-1	SDG No.:	LB91776
Lab Sample ID:	I6575-08	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Carbonate	0.072	U	1	0.4		2	mg/L		11/27/2017	SM2320 B



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Report of Analysis

Client:		Date Collected:	11/20/2017 12:00:00 AM
Project:	LB91776	Date Received:	11/21/2017 12:00:00 AM
Client Sample ID:	MW4S-055-1	SDG No.:	LB91776
Lab Sample ID:	I6575-09	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Carbonate	0.087	U	1	0.4		2	mg/L		11/27/2017	SM2320 B



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Report of Analysis

Client:		Date Collected:	11/20/2017 12:00:00 AM
Project:	LB91776	Date Received:	11/21/2017 12:00:00 AM
Client Sample ID:	MW4D-055-1	SDG No.:	LB91776
Lab Sample ID:	I6575-10	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Carbonate	0.15	U	1	0.4		2	mg/L		11/27/2017	SM2320 B



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Report of Analysis

Client:		Date Collected:	11/20/2017 12:00:00 AM
Project:	LB91776	Date Received:	11/21/2017 12:00:00 AM
Client Sample ID:	MW4D-055-1	SDG No.:	LB91776
Lab Sample ID:	I6575-10	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
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Color Before:

Clarity Before:

Texture:

Color After:

Clarity After:

Artifacts:

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

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



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PREPARATION BLANK SUMMARY

Client: LB91776

SDG No.: LB91776

Instrument: Titroline Alpha Titrator

Sample ID	Analyte	Result (mg/L)	Acceptance Limit	Conc Qual	LOD mg/L	CRQL mg/L	M	Analysis Date	Analysis Time	Run
LB91776BLW	Carbonate	WATER 0.4	<2	Batch Number: U		2		Prep Date: 11/27/2017	11:10	LB91776

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DUPLICATE SAMPLE SUMMARY

Client: LB91776 **Level:** LOW **SDG No.:** LB91776
Contract: **Lab Code:** CHEM **Case No.:** LB91776 **SAS No.:** LB91776
Matrix: WATER **Sample ID:** I6575-10 **Client ID:** MW4D-055-1DUP
Percent Solids for Sample: 0 **Duplicate ID** I6575-10DUP **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Carbonate	mg/L	20	0.4	U	0.089	U			



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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB91776

SDG No.: LB91776

Contract:

Lab Code: CHEM

Case No.: LB91776

SAS No.: LB91776

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
LB91776BSW Carbonate	mg/L	50	55.1		110.2	80 - 120	