



Instrument ID : TITRATOR

284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Daily Analysis Runlog For Sequence/QC Batch ID # LB92384

Review By		Review On				
SubDirectory		LB92384		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		WP60618				
Chk Standard		W2269,W2159,W2270				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	LB92384BLW	LB92384BLW	MB	12/27/17 15:32		OK
2	LB92384BSW	LB92384BSW	LCS	12/27/17 15:56		OK
3	I7054-01	MW-1	SAM	12/27/17 16:01		OK
4	I7054-01DUP	MW-1DUP	DUP	12/27/17 16:05		OK
5	I7054-02	MW-3	SAM	12/27/17 16:08		OK
6	I7054-03	MW-4	SAM	12/27/17 16:13		OK
7	I7054-04	MW-2	SAM	12/27/17 16:19		OK



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Report of Analysis

Client:		Date Collected:	12/21/2017 12:00:00 AM
Project:	LB92384	Date Received:	12/22/2017 12:00:00 AM
Client Sample ID:	MW-1	SDG No.:	LB92384
Lab Sample ID:	I7054-01	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Alkalinity	60.7		1	0.4		2	mg/L		12/27/2017	SM2320 B



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Report of Analysis

Client:		Date Collected:	12/21/2017 12:00:00 AM
Project:	LB92384	Date Received:	12/22/2017 12:00:00 AM
Client Sample ID:	MW-3	SDG No.:	LB92384
Lab Sample ID:	I7054-02	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Alkalinity	356		1	0.4		2	mg/L		12/27/2017	SM2320 B



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Report of Analysis

Client:		Date Collected:	12/21/2017 12:00:00 AM
Project:	LB92384	Date Received:	12/22/2017 12:00:00 AM
Client Sample ID:	MW-4	SDG No.:	LB92384
Lab Sample ID:	I7054-03	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Alkalinity	359		1	0.4		2	mg/L		12/27/2017	SM2320 B



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Report of Analysis

Client:		Date Collected:	12/21/2017 12:00:00 AM
Project:	LB92384	Date Received:	12/22/2017 12:00:00 AM
Client Sample ID:	MW-2	SDG No.:	LB92384
Lab Sample ID:	I7054-04	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Alkalinity	526		1	0.4		2	mg/L		12/27/2017	SM2320 B



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Report of Analysis

Client:		Date Collected:	12/21/2017 12:00:00 AM
Project:	LB92384	Date Received:	12/22/2017 12:00:00 AM
Client Sample ID:	MW-2	SDG No.:	LB92384
Lab Sample ID:	I7054-04	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
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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: LB92384

SDG No.: LB92384

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
LB92384BLW	Alkalinity	WATER 0.4	<2	Batch Number: U		2		Prep Date: 12/27/2017	15:32	LB92384



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DUPLICATE SAMPLE SUMMARY

Client: LB92384 Level: LOW SDG No.: LB92384
Contract: _____ Lab Code: CHEM Case No.: LB92384 SAS No.: LB92384
Matrix: WATER Sample ID: I7054-01 Client ID: MW-1DUP
Percent Solids for Sample: 0 Duplicate ID I7054-01DUP Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Alkalinity	mg/L	20	60.7		57.5		5		

“A control limit of $\pm 20\%$ RPD for each matrix applies for sample values greater than 10 times Detection Limit”



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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB92384

SDG No.: LB92384

Contract:

Lab Code: CHEM

Case No.: LB92384

SAS No.: LB92384

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
LB92384BSW Alkalinity	mg/L	50	48.2		96.4	80 - 120	