



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 # LB91204

Review By		Review On				
SubDirectory		LB91204		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		WP59224				
Chk Standard		W2269,W2159,W2183				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	LB91204BLW	LB91204BLW	MB	10/30/17 14:35		OK
2	LB91204BSW	LB91204BSW	LCS	10/30/17 14:38		OK
3	I6143-01	RLF-GW-7S	SAM	10/30/17 14:43		OK
4	I6143-02	RLF-GW-9S	SAM	10/30/17 14:51		OK
5	I6143-06	RLF-FD-01	SAM	10/30/17 15:00		OK
6	I6160-01	RLF-SW-1	SAM	10/30/17 15:09		OK
7	I6160-02	RLF-SW-3	SAM	10/30/17 15:13		OK
8	I6160-03	RLF-SW-4	SAM	10/30/17 15:19		OK
9	I6160-04	RLF-SW-5	SAM	10/30/17 15:24		OK
10	I6160-05	RLF-SW-6	SAM	10/30/17 15:30		OK
11	I6160-06	RLF-FD-02	SAM	10/30/17 15:38		OK
12	I6160-06DUP	RLF-FD-02DUP	DUP	10/30/17 15:44		OK



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Report of Analysis

Client:		Date Collected:	10/24/2017 12:00:00 AM
Project:	LB91204	Date Received:	10/25/2017 12:00:00 AM
Client Sample ID:	RLF-GW-7S	SDG No.:	LB91204
Lab Sample ID:	I6143-01	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	918		1	0.4		2	mg/L		10/30/2017	SM2320 B



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Report of Analysis

Client:		Date Collected:	10/24/2017 12:00:00 AM
Project:	LB91204	Date Received:	10/25/2017 12:00:00 AM
Client Sample ID:	RLF-GW-9S	SDG No.:	LB91204
Lab Sample ID:	I6143-02	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	1130		1	0.4		2	mg/L		10/30/2017	SM2320 B



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Report of Analysis

Client:		Date Collected:	10/24/2017 12:00:00 AM
Project:	LB91204	Date Received:	10/25/2017 12:00:00 AM
Client Sample ID:	RLF-FD-01	SDG No.:	LB91204
Lab Sample ID:	I6143-06	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Alkalinity	891		1	0.4		2	mg/L		10/30/2017	SM2320 B



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Report of Analysis

Client:		Date Collected:	10/25/2017 12:00:00 AM
Project:	LB91204	Date Received:	10/26/2017 12:00:00 AM
Client Sample ID:	RLF-SW-1	SDG No.:	LB91204
Lab Sample ID:	I6160-01	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	173		1	0.4		2	mg/L		10/30/2017	SM2320 B



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Report of Analysis

Client:		Date Collected:	10/25/2017 12:00:00 AM
Project:	LB91204	Date Received:	10/26/2017 12:00:00 AM
Client Sample ID:	RLF-SW-3	SDG No.:	LB91204
Lab Sample ID:	I6160-02	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	165		1	0.4		2	mg/L		10/30/2017	SM2320 B



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Report of Analysis

Client:		Date Collected:	10/25/2017 12:00:00 AM
Project:	LB91204	Date Received:	10/26/2017 12:00:00 AM
Client Sample ID:	RLF-SW-4	SDG No.:	LB91204
Lab Sample ID:	I6160-03	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	364		1	0.4		2	mg/L		10/30/2017	SM2320 B



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Report of Analysis

Client:		Date Collected:	10/25/2017 12:00:00 AM
Project:	LB91204	Date Received:	10/26/2017 12:00:00 AM
Client Sample ID:	RLF-SW-5	SDG No.:	LB91204
Lab Sample ID:	I6160-04	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	372		1	0.4		2	mg/L		10/30/2017	SM2320 B



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Report of Analysis

Client:		Date Collected:	10/25/2017 12:00:00 AM
Project:	LB91204	Date Received:	10/26/2017 12:00:00 AM
Client Sample ID:	RLF-SW-6	SDG No.:	LB91204
Lab Sample ID:	I6160-05	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Alkalinity	507		1	0.4		2	mg/L		10/30/2017	SM2320 B



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Report of Analysis

Client:		Date Collected:	10/25/2017 12:00:00 AM
Project:	LB91204	Date Received:	10/26/2017 12:00:00 AM
Client Sample ID:	RLF-FD-02	SDG No.:	LB91204
Lab Sample ID:	I6160-06	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Alkalinity	443		1	0.4		2	mg/L		10/30/2017	SM2320 B



Report of Analysis

Client:		Date Collected:	10/25/2017 12:00:00 AM
Project:	LB91204	Date Received:	10/26/2017 12:00:00 AM
Client Sample ID:	RLF-FD-02	SDG No.:	LB91204
Lab Sample ID:	I6160-06	Matrix:	WATER
Level (low/med):	low	% Solid:	0

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



GENCHEM
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PREPARATION BLANK SUMMARY

Client: LB91204

SDG No.: LB91204

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
LB91204BLW	Alkalinity	WATER 0.4	<2	Batch Number: U		2		Prep Date: 10/30/2017	14:35	LB91204



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DUPLICATE SAMPLE SUMMARY

Client: LB91204 Level: LOW SDG No.: LB91204
Contract: _____ Lab Code: CHEM Case No.: LB91204 SAS No.: LB91204
Matrix: WATER Sample ID: I6160-06 Client ID: RLF-FD-02DUP
Percent Solids for Sample: 0 Duplicate ID I6160-06DUP Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Alkalinity	mg/L	20	443		439		1		

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



GENCHEM

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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB91204

SDG No.: LB91204

Contract:

Lab Code: CHEM

Case No.: LB91204

SAS No.: LB91204

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
LB91204BSW Alkalinity	mg/L	50	47.5		95	80 - 120	