

Daily Analysis Runlog For Sequence/QC Batch ID # LB88218

Review By		Review On				
SubDirectory		LB88218		Test : Anions		
STD. NAME		STD REF.#				
ICAL Standard		WP55544,WP55545,WP55546,WP55547,WP55548,WP55549,WP55550				
ICV Standard		WP55551				
CCV Standard		WP55806				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP55807				
Chk Standard		WP55553,WP55554				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	STD1	STD1	CAL1	06/12/17 11:03		OK
2	STD2	STD2	CAL2	06/12/17 11:32		OK
3	STD3	STD3	CAL3	06/12/17 12:01		OK
4	STD4	STD4	CAL4	06/12/17 12:29		OK
5	STD5	STD5	CAL5	06/12/17 12:58		OK
6	STD6	STD6	CAL6	06/12/17 13:27		OK
7	STD7	STD7	CAL7	06/12/17 13:56		OK
8	ICV1	ICV1	ICV	06/12/17 16:02		OK
9	ICB1	ICB1	ICB	06/12/17 16:31		OK
10	CCV1	CCV1	CCV	06/21/17 09:30		OK
11	CCB1	CCB1	CCB	06/21/17 10:03		OK
12	LB88218BLW	LB88218BLW	MB	06/21/17 10:32		OK
13	LB88218BSW	LB88218BSW	LCS	06/21/17 11:01		OK
14	I3757-05	LOD-WATER-05-QT3	SAM	06/21/17 11:30		OK
15	I3757-06	LOQ-WATER-06-QT3	LOQ	06/21/17 11:59		OK
16	CCV2	CCV2	CCV	06/21/17 12:29		OK
17	CCB2	CCB2	CCB	06/21/17 12:59		OK



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:		Date Collected:	6/16/2017 12:00:00 AM
Project:	LB88218	Date Received:	6/16/2017 12:00:00 AM
Client Sample ID:	LOD-WATER-05-QT3-2017	SDG No.:	LB88218
Lab Sample ID:	I3757-05	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Bromide	0.5		1	0.066		0.5	mg/L		06/21/2017	9056
	Chloride	0.13	J	1	0.075		0.15	mg/L		06/21/2017	9056
	Fluoride	0.2		1	0.043		0.1	mg/L		06/21/2017	9056
	Nitrate	0.14		1	0.027		0.11	mg/L		06/21/2017	9056
	Nitrite	0.15		1	0.022		0.15	mg/L		06/21/2017	9056
	Phosphorus, Ortho	-0.007	U	1	0.01		0.24	mg/L		06/21/2017	9056
	Sulfate	0.95		1	0.13		0.75	mg/L		06/21/2017	9056



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Report of Analysis

Client:		Date Collected:	6/16/2017 12:00:00 AM
Project:	LB88218	Date Received:	6/16/2017 12:00:00 AM
Client Sample ID:	LOD-WATER-05-QT3-2017	SDG No.:	LB88218
Lab Sample ID:	I3757-05	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
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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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- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB88218

SDG No.: LB88218

Contract: _____ Lab Code: CHEM

Case No.: LB88218

SAS No.: LB88218

Initial Calibration Source: _____

Continuing Calibration Source: _____

Sample ID	Analyte	Result mg/L	True Value	% Recovery	% RSD	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV1	Bromide	9.8	10	98	0	90 - 110		06/12/2017	16:02	LB88218
	Chloride	2.9	3	96.7	0	90 - 110		06/12/2017	16:02	LB88218
	Fluoride	2.1	2	105	0	90 - 110		06/12/2017	16:02	LB88218
	Phosphorus, Ortho	5.1	5	102	0	90 - 110		06/12/2017	16:02	LB88218
	Nitrite	2.9	3	96.7	0	90 - 110		06/12/2017	16:02	LB88218
	Nitrate	2.4	2.5	96	0	90 - 110		06/12/2017	16:02	LB88218
	Sulfate	14.5	15	96.7	0	90 - 110		06/12/2017	16:02	LB88218



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- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB88218

SDG No.: LB88218

Contract: _____ Lab Code: CHEM

Case No.: LB88218

SAS No.: LB88218

Initial Calibration Source: _____

Continuing Calibration Source: _____

Sample ID	Analyte	Result mg/L	True Value	% Recovery	% RSD	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV1	Bromide	10	10	100	0	90 - 110		06/21/2017	09:30	LB88218
	Chloride	2.9	3	96.7	0	90 - 110		06/21/2017	09:30	LB88218
	Fluoride	2.1	2	105	0	90 - 110		06/21/2017	09:30	LB88218
	Phosphorus, Ortho	4.8	5	96	0	90 - 110		06/21/2017	09:30	LB88218
	Nitrite	3	3	100	0	90 - 110		06/21/2017	09:30	LB88218
	Nitrate	2.4	2.5	96	0	90 - 110		06/21/2017	09:30	LB88218
	Sulfate	14.4	15	96	0	90 - 110		06/21/2017	09:30	LB88218
CCV2	Bromide	10	10	100	0	90 - 110		06/21/2017	12:29	LB88218
	Chloride	3	3	100	0	90 - 110		06/21/2017	12:29	LB88218
	Fluoride	2.1	2	105	0	90 - 110		06/21/2017	12:29	LB88218
	Phosphorus, Ortho	5.2	5	104	0	90 - 110		06/21/2017	12:29	LB88218
	Nitrite	3	3	100	0	90 - 110		06/21/2017	12:29	LB88218
	Nitrate	2.4	2.5	96	0	90 - 110		06/21/2017	12:29	LB88218
	Sulfate	14.5	15	96.7	0	90 - 110		06/21/2017	12:29	LB88218



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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB88218

SDG No.: LB88218

Contract: Lab Code: CHEM

Case No.: LB88218

SAS No.: LB88218

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Bromide	0.066	+/-0.5	U		0.5		06/12/2017	16:31	LB88218
	Chloride	0.075	+/-0.15	U		0.15		06/12/2017	16:31	LB88218
	Fluoride	0.043	+/-0.1	U		0.1		06/12/2017	16:31	LB88218
	Phosphorus, Ortho	0.01	+/-0.24	U		0.24		06/12/2017	16:31	LB88218
	Nitrite	0.022	+/-0.15	U		0.15		06/12/2017	16:31	LB88218
	Nitrate	0.027	+/-0.11	U		0.11		06/12/2017	16:31	LB88218
	Sulfate	0.13	+/-0.75	U		0.75		06/12/2017	16:31	LB88218

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Bromide	0.066	+/-0.5	U		0.5		06/21/2017	10:03	LB88218
	Chloride	0.075	+/-0.15	U		0.15		06/21/2017	10:03	LB88218
	Fluoride	0.043	+/-0.1	U		0.1		06/21/2017	10:03	LB88218
	Phosphorus, Ortho	0.01	+/-0.24	U		0.24		06/21/2017	10:03	LB88218
	Nitrite	0.022	+/-0.15	U		0.15		06/21/2017	10:03	LB88218
	Nitrate	0.027	+/-0.11	U		0.11		06/21/2017	10:03	LB88218
	Sulfate	0.13	+/-0.75	U		0.75		06/21/2017	10:03	LB88218
CCB2	Bromide	0.066	+/-0.5	U		0.5		06/21/2017	12:59	LB88218
	Chloride	0.075	+/-0.15	U		0.15		06/21/2017	12:59	LB88218
	Fluoride	0.043	+/-0.1	U		0.1		06/21/2017	12:59	LB88218
	Phosphorus, Ortho	0.01	+/-0.24	U		0.24		06/21/2017	12:59	LB88218
	Nitrite	0.022	+/-0.15	U		0.15		06/21/2017	12:59	LB88218
	Nitrate	0.027	+/-0.11	U		0.11		06/21/2017	12:59	LB88218
	Sulfate	0.13	+/-0.75	U		0.75		06/21/2017	12:59	LB88218



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client:

LB88218

SDG No.:

LB88218

Contract:

Lab Code:

CHEM

Case No.:

LB88218

SAS No.:

LB88218

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
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PREPARATION BLANK SUMMARY

Client: LB88218

SDG No.: LB88218

Instrument: IC-1

Sample ID	Analyte	Result (mg/L)	Acceptance Limit	Conc Qual	LOD mg/L	CRQL mg/L	M	Analysis Date	Analysis Time	Run
LB88218BLW		WATER		Batch Number:				Prep Date:		
	Bromide	0.066	<0.5	U		0.5		06/21/2017	10:32	LB88218
	Chloride	0.075	<0.15	U		0.15		06/21/2017	10:32	LB88218
	Fluoride	0.043	<0.1	U		0.1		06/21/2017	10:32	LB88218
	Phosphorus, Ortho	0.01	<0.24	U		0.24		06/21/2017	10:32	LB88218
	Nitrite	0.022	<0.15	U		0.15		06/21/2017	10:32	LB88218
	Nitrate	0.027	<0.11	U		0.11		06/21/2017	10:32	LB88218
	Sulfate	0.13	<0.75	U		0.75		06/21/2017	10:32	LB88218



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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB88218

SDG No.: LB88218

Contract:

Lab Code: CHEM

Case No.: LB88218

SAS No.: LB88218

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
I3757-06							
Bromide	mg/L	1	1.1		110	50 - 150	
Chloride	mg/L	0.3	0.32		106.7	50 - 150	
Fluoride	mg/L	0.2	0.3		150	50 - 150	
Phosphorus, Ortho	mg/L	0.48	0.39		81.3	50 - 150	
Nitrite	mg/L	0.3	0.35		116.7	50 - 150	
Nitrate	mg/L	0.23	0.29		126.1	50 - 150	
Sulfate	mg/L	1.5	1.8		120	50 - 150	



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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB88218

SDG No.: LB88218

Contract:

Lab Code: CHEM

Case No.: LB88218

SAS No.: LB88218

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
LB88218BSW							
Bromide	mg/L	10	10		100	90 - 110	
Chloride	mg/L	3	2.9		96.7	90 - 110	
Fluoride	mg/L	2	2.1		105	90 - 110	
Phosphorus, Ortho	mg/L	5	5		100	90 - 110	
Nitrite	mg/L	3	3		100	90 - 110	
Nitrate	mg/L	2.5	2.4		96	90 - 110	
Sulfate	mg/L	15	14.5		96.7	90 - 110	
