

Daily Analysis Runlog For Sequence/QC Batch ID # LB90747

Review By		Review On				
SubDirectory		LB90747		Test : Anions		
STD. NAME		STD REF.#				
ICAL Standard		WP57723,WP57724,WP57725,WP57726,WP57727,WP57728,WP57729				
ICV Standard		WP57730				
CCV Standard		WP57964				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP57969				
Chk Standard		WP57731,WP57732				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	STD1	STD1	CAL1	09/06/17 12:53		OK
2	STD2	STD2	CAL2	09/06/17 13:24		OK
3	STD3	STD3	CAL3	09/06/17 13:55		OK
4	STD4	STD4	CAL4	09/06/17 14:26		OK
5	STD5	STD5	CAL5	09/06/17 14:57		OK
6	STD6	STD6	CAL6	09/06/17 15:28		OK
7	STD7	STD7	CAL7	09/06/17 15:59		OK
8	ICV1	ICV1	ICV	09/06/17 17:32		OK
9	ICB1	ICB1	ICB	09/06/17 18:03		OK
10	CCV1	CCV1	CCV	09/18/17 14:30		OK
11	CCB1	CCB1	CCB	09/18/17 15:01		OK
12	LB90747BLW	LB90747BLW	MB	09/18/17 15:32		OK
13	LB90747BSW	LB90747BSW	LCS	09/18/17 16:03		OK
14	I5275-05	LOD-WATER-05-QT4	SAM	09/18/17 19:09		OK
15	I5275-06	LOQ-WATER-06-QT4	LOQ	09/18/17 19:40		OK
16	CCV2	CCV2	CCV	09/18/17 20:11		OK
17	CCB2	CCB2	CCB	09/18/17 20:41		OK



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

Report of Analysis

Client:		Date Collected:	9/15/2017 12:00:00 AM
Project:	LB90747	Date Received:	9/15/2017 12:00:00 AM
Client Sample ID:	LOD-WATER-05-QT4-2017	SDG No.:	LB90747
Lab Sample ID:	I5275-05	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	0.43	J	1	0.066		0.5	mg/L		09/18/2017	9056
	Chloride	0.12	J	1	0.075		0.15	mg/L		09/18/2017	9056
	Fluoride	0.061	J	1	0.043		0.1	mg/L		09/18/2017	9056
	Nitrate	0.12		1	0.027		0.11	mg/L		09/18/2017	9056
	Nitrite	0.16		1	0.022		0.15	mg/L		09/18/2017	9056
	Phosphorus, Ortho	-0.022	U	1	0.01		0.24	mg/L		09/18/2017	9056
	Sulfate	0.81		1	0.13		0.75	mg/L		09/18/2017	9056



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Report of Analysis

Client:		Date Collected:	9/15/2017 12:00:00 AM
Project:	LB90747	Date Received:	9/15/2017 12:00:00 AM
Client Sample ID:	LOD-WATER-05-QT4-2017	SDG No.:	LB90747
Lab Sample ID:	I5275-05	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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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB90747

SDG No.: LB90747

Contract: _____ Lab Code: CHEM

Case No.: LB90747

SAS No.: LB90747

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		09/06/2017	17:32	LB90747
	Chloride	2.9	3	96.7	0	90 - 110		09/06/2017	17:32	LB90747
	Fluoride	2	2	100	0	90 - 110		09/06/2017	17:32	LB90747
	Phosphorus, Ortho	5.2	5	104	0	90 - 110		09/06/2017	17:32	LB90747
	Nitrite	2.9	3	96.7	0	90 - 110		09/06/2017	17:32	LB90747
	Nitrate	2.4	2.5	96	0	90 - 110		09/06/2017	17:32	LB90747
	Sulfate	14.6	15	97.3	0	90 - 110		09/06/2017	17:32	LB90747



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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB90747

SDG No.: LB90747

Contract: _____ Lab Code: CHEM

Case No.: LB90747

SAS No.: LB90747

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	9.6	10	96	0	90 - 110		09/18/2017	14:30	LB90747
	Chloride	2.9	3	96.7	0	90 - 110		09/18/2017	14:30	LB90747
	Fluoride	1.9	2	95	0	90 - 110		09/18/2017	14:30	LB90747
	Phosphorus, Ortho	5.2	5	104	0	90 - 110		09/18/2017	14:30	LB90747
	Nitrite	2.9	3	96.7	0	90 - 110		09/18/2017	14:30	LB90747
	Nitrate	2.4	2.5	96	0	90 - 110		09/18/2017	14:30	LB90747
	Sulfate	15	15	100	0	90 - 110		09/18/2017	14:30	LB90747
CCV2	Bromide	9.7	10	97	0	90 - 110		09/18/2017	20:11	LB90747
	Chloride	2.9	3	96.7	0	90 - 110		09/18/2017	20:11	LB90747
	Fluoride	2	2	100	0	90 - 110		09/18/2017	20:11	LB90747
	Phosphorus, Ortho	5.3	5	106	0	90 - 110		09/18/2017	20:11	LB90747
	Nitrite	2.9	3	96.7	0	90 - 110		09/18/2017	20:11	LB90747
	Nitrate	2.4	2.5	96	0	90 - 110		09/18/2017	20:11	LB90747
	Sulfate	14.7	15	98	0	90 - 110		09/18/2017	20:11	LB90747



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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB90747

SDG No.: LB90747

Contract: Lab Code: CHEM

Case No.: LB90747

SAS No.: LB90747

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		09/06/2017	18:03	LB90747
	Chloride	0.075	+/-0.15	U		0.15		09/06/2017	18:03	LB90747
	Fluoride	0.043	+/-0.1	U		0.1		09/06/2017	18:03	LB90747
	Phosphorus, Ortho	0.01	+/-0.24	U		0.24		09/06/2017	18:03	LB90747
	Nitrite	0.022	+/-0.15	U		0.15		09/06/2017	18:03	LB90747
	Nitrate	0.027	+/-0.11	U		0.11		09/06/2017	18:03	LB90747
	Sulfate	0.13	+/-0.75	U		0.75		09/06/2017	18:03	LB90747

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		09/18/2017	15:01	LB90747
	Chloride	0.075	+/-0.15	U		0.15		09/18/2017	15:01	LB90747
	Fluoride	0.043	+/-0.1	U		0.1		09/18/2017	15:01	LB90747
	Phosphorus, Ortho	0.01	+/-0.24	U		0.24		09/18/2017	15:01	LB90747
	Nitrite	0.022	+/-0.15	U		0.15		09/18/2017	15:01	LB90747
	Nitrate	0.027	+/-0.11	U		0.11		09/18/2017	15:01	LB90747
	Sulfate	0.13	+/-0.75	U		0.75		09/18/2017	15:01	LB90747
CCB2	Bromide	0.066	+/-0.5	U		0.5		09/18/2017	20:41	LB90747
	Chloride	0.075	+/-0.15	U		0.15		09/18/2017	20:41	LB90747
	Fluoride	0.043	+/-0.1	U		0.1		09/18/2017	20:41	LB90747
	Phosphorus, Ortho	0.01	+/-0.24	U		0.24		09/18/2017	20:41	LB90747
	Nitrite	0.022	+/-0.15	U		0.15		09/18/2017	20:41	LB90747
	Nitrate	0.027	+/-0.11	U		0.11		09/18/2017	20:41	LB90747
	Sulfate	0.13	+/-0.75	U		0.75		09/18/2017	20:41	LB90747



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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB90747

SDG No.: LB90747

Contract: Lab Code: CHEM

Case No.: LB90747

SAS No.: LB90747

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: LB90747

SDG No.: LB90747

Instrument: IC-2

Sample ID	Analyte	Result (mg/L)	Acceptance Limit	Conc Qual	LOD mg/L	CRQL mg/L	M	Analysis Date	Analysis Time	Run
LB90747BLW		WATER		Batch Number:				Prep Date:		
	Bromide	0.066	<0.5	U		0.5		09/18/2017	15:32	LB90747
	Chloride	0.075	<0.15	U		0.15		09/18/2017	15:32	LB90747
	Fluoride	0.043	<0.1	U		0.1		09/18/2017	15:32	LB90747
	Phosphorus, Ortho	0.01	<0.24	U		0.24		09/18/2017	15:32	LB90747
	Nitrite	0.022	<0.15	U		0.15		09/18/2017	15:32	LB90747
	Nitrate	0.027	<0.11	U		0.11		09/18/2017	15:32	LB90747
	Sulfate	0.13	<0.75	U		0.75		09/18/2017	15:32	LB90747



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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB90747

SDG No.: LB90747

Contract:

Lab Code: CHEM

Case No.: LB90747

SAS No.: LB90747

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
I5275-06							
Bromide	mg/L	1	1.3		130	50 - 150	
Chloride	mg/L	0.3	0.39		130	50 - 150	
Fluoride	mg/L	0.2	0.23		115	50 - 150	
Phosphorus, Ortho	mg/L	0.48	0.65		135.4	50 - 150	
Nitrite	mg/L	0.3	0.39		130	50 - 150	
Nitrate	mg/L	0.23	0.32		139.1	50 - 150	
Sulfate	mg/L	1.5	2		133.3	50 - 150	



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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB90747

SDG No.: LB90747

Contract:

Lab Code: CHEM

Case No.: LB90747

SAS No.: LB90747

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
LB90747BSW							
Bromide	mg/L	10	9.6		96	90 - 110	
Chloride	mg/L	3	2.9		96.7	90 - 110	
Fluoride	mg/L	2	2		100	90 - 110	
Phosphorus, Ortho	mg/L	5	5.3		106	90 - 110	
Nitrite	mg/L	3	2.9		96.7	90 - 110	
Nitrate	mg/L	2.5	2.4		96	90 - 110	
Sulfate	mg/L	15	14.4		96	90 - 110	
