

Daily Analysis Runlog For Sequence/QC Batch ID # LB94431

Review By

Review On

SubDirectory

LB94431

Test :

Anions

STD. NAME		STD REF.#				
ICAL Standard		WP63375,WP63376,WP63377,WP63378,WP63379,WP63380,WP63381				
ICV Standard		WP63382				
CCV Standard		WP63429				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP63431				
Chk Standard		WP63115,WP63117				

Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	STD1	STD1	CAL1	04/04/18 11:13		OK
2	STD2	STD2	CAL2	04/04/18 11:44		OK
3	STD3	STD3	CAL3	04/04/18 12:15		OK
4	STD4	STD4	CAL4	04/04/18 12:45		OK
5	STD5	STD5	CAL5	04/04/18 13:16		OK
6	STD6	STD6	CAL6	04/04/18 13:47		OK
7	STD7	STD7	CAL7	04/04/18 14:18		OK
8	ICV1	ICV1	ICV	04/04/18 15:51		OK
9	ICB1	ICB1	ICB	04/04/18 16:22		OK
10	CCV1	CCV1	CCV	04/05/18 10:06		OK
11	CCB1	CCB1	CCB	04/05/18 10:47		OK
12	LB94431BLW	LB94431BLW	MB	04/05/18 11:18		OK
13	LB94431BSW	LB94431BSW	LCS	04/05/18 11:49		OK
14	J2133-09	MDL-WATER-03-QT2	SAM	04/05/18 13:04		OK
15	J2133-07	LOD-MDL-WATER-0	SAM	04/05/18 13:43		OK
16	J2133-08	LOQ-WATER-02-QT2	LOQ	04/05/18 14:14		OK
17	CCV2	CCV2	CCV	04/05/18 15:47		OK
18	CCB2	CCB2	CCB	04/05/18 16:18		OK



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

Report of Analysis

Client:		Date Collected:	3/29/2018 12:00:00 AM
Project:	LB94431	Date Received:	3/29/2018 12:00:00 AM
Client Sample ID:	LOD-MDL-WATER-01-QT2-2018	SDG No.:	LB94431
Lab Sample ID:	J2133-07	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Bromide	0.56		1	0.066		0.5	mg/L		04/05/2018	300.0
	Chloride	0.19		1	0.075		0.15	mg/L		04/05/2018	300.0
	Fluoride	0.11		1	0.043		0.1	mg/L		04/05/2018	300.0
	Nitrate	0.15		1	0.027		0.13	mg/L		04/05/2018	300.0
	Nitrite	0.21		1	0.022		0.15	mg/L		04/05/2018	300.0
	Phosphorus, Ortho	-0.5	U	1	0.01		0.25	mg/L		04/05/2018	300.0
	Sulfate	1.2		1	0.13		0.75	mg/L		04/05/2018	300.0



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Report of Analysis

Client:		Date Collected:	3/29/2018 12:00:00 AM
Project:	LB94431	Date Received:	3/29/2018 12:00:00 AM
Client Sample ID:	MDL-WATER-03-QT2-2018	SDG No.:	LB94431
Lab Sample ID:	J2133-09	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Bromide	0.59		1	0.066		0.5	mg/L		04/05/2018	300.0
	Chloride	0.19		1	0.075		0.15	mg/L		04/05/2018	300.0
	Fluoride	0.11		1	0.043		0.1	mg/L		04/05/2018	300.0
	Nitrate	0.15		1	0.027		0.13	mg/L		04/05/2018	300.0
	Nitrite	0.21		1	0.022		0.15	mg/L		04/05/2018	300.0
	Phosphorus, Ortho	-0.51	U	1	0.01		0.25	mg/L		04/05/2018	300.0
	Sulfate	1.2		1	0.13		0.75	mg/L		04/05/2018	300.0



Report of Analysis

Client:		Date Collected:	3/29/2018 12:00:00 AM
Project:	LB94431	Date Received:	3/29/2018 12:00:00 AM
Client Sample ID:	MDL-WATER-03-QT2-2018	SDG No.:	LB94431
Lab Sample ID:	J2133-09	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
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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: LB94431

SDG No.: LB94431

Contract: _____ Lab Code: CHEM

Case No.: LB94431

SAS No.: LB94431

Initial Calibration Source: _____

Continuing Calibration Source: _____

Sample ID	Analyte	Result mg/L	True Value	% Recovery	Qual	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV1	Bromide	9.8	10	98		90 - 110		04/04/2018	15:51	LB94431
	Chloride	2.9	3	96.7		90 - 110		04/04/2018	15:51	LB94431
	Fluoride	1.9	2	95		90 - 110		04/04/2018	15:51	LB94431
	Phosphorus, Ortho	5.5	5	110		90 - 110		04/04/2018	15:51	LB94431
	Nitrite	2.9	3	96.7		90 - 110		04/04/2018	15:51	LB94431
	Nitrate	2.4	2.5	96		90 - 110		04/04/2018	15:51	LB94431
	Sulfate	15.1	15	100.7		90 - 110		04/04/2018	15:51	LB94431



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- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB94431

SDG No.: LB94431

Contract: _____ Lab Code: CHEM

Case No.: LB94431

SAS No.: LB94431

Initial Calibration Source: _____

Continuing Calibration Source: _____

Sample ID	Analyte	Result mg/L	True Value	% Recovery	Qual	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV1	Bromide	9.9	10	99		90 - 110		04/05/2018	10:06	LB94431
	Chloride	3	3	100		90 - 110		04/05/2018	10:06	LB94431
	Fluoride	1.9	2	95		90 - 110		04/05/2018	10:06	LB94431
	Phosphorus, Ortho	5.3	5	106		90 - 110		04/05/2018	10:06	LB94431
	Nitrite	2.9	3	96.7		90 - 110		04/05/2018	10:06	LB94431
	Nitrate	2.5	2.5	100		90 - 110		04/05/2018	10:06	LB94431
	Sulfate	14.7	15	98		90 - 110		04/05/2018	10:06	LB94431
CCV2	Bromide	10	10	100		90 - 110		04/05/2018	15:47	LB94431
	Chloride	3	3	100		90 - 110		04/05/2018	15:47	LB94431
	Fluoride	2.1	2	105		90 - 110		04/05/2018	15:47	LB94431
	Phosphorus, Ortho	5.6	5	112	*	90 - 110		04/05/2018	15:47	LB94431
	Nitrite	3	3	100		90 - 110		04/05/2018	15:47	LB94431
	Nitrate	2.5	2.5	100		90 - 110		04/05/2018	15:47	LB94431
	Sulfate	14.9	15	99.3		90 - 110		04/05/2018	15:47	LB94431

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		04/04/2018	16:22	LB94431
	Chloride	0.075	+/-0.15	U		0.15		04/04/2018	16:22	LB94431
	Fluoride	0.043	+/-0.1	U		0.1		04/04/2018	16:22	LB94431
	Phosphorus, Ortho	0.01	+/-0.25	U		0.25		04/04/2018	16:22	LB94431
	Nitrite	0.022	+/-0.15	U		0.15		04/04/2018	16:22	LB94431
	Nitrate	0.027	+/-0.13	U		0.13		04/04/2018	16:22	LB94431
	Sulfate	0.13	+/-0.75	U		0.75		04/04/2018	16:22	LB94431



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB94431

SDG No.: LB94431

Contract:

Lab Code: CHEM

Case No.: LB94431

SAS No.: LB94431

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		04/05/2018	10:47	LB94431
	Chloride	0.075	+/-0.15	U		0.15		04/05/2018	10:47	LB94431
	Fluoride	0.043	+/-0.1	U		0.1		04/05/2018	10:47	LB94431
	Phosphorus, Ortho	0.01	+/-0.25	U		0.25		04/05/2018	10:47	LB94431
	Nitrite	0.022	+/-0.15	U		0.15		04/05/2018	10:47	LB94431
	Nitrate	0.027	+/-0.13	U		0.13		04/05/2018	10:47	LB94431
	Sulfate	0.13	+/-0.75	U		0.75		04/05/2018	10:47	LB94431
CCB2	Bromide	0.066	+/-0.5	U		0.5		04/05/2018	16:18	LB94431
	Chloride	0.075	+/-0.15	U		0.15		04/05/2018	16:18	LB94431
	Fluoride	0.043	+/-0.1	U		0.1		04/05/2018	16:18	LB94431
	Phosphorus, Ortho	0.01	+/-0.25	U		0.25		04/05/2018	16:18	LB94431
	Nitrite	0.022	+/-0.15	U		0.15		04/05/2018	16:18	LB94431
	Nitrate	0.027	+/-0.13	U		0.13		04/05/2018	16:18	LB94431
	Sulfate	0.13	+/-0.75	U		0.75		04/05/2018	16:18	LB94431



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB94431

SDG No.: LB94431

Contract:

Lab Code: CHEM

Case No.: LB94431

SAS No.: LB94431

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
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- 3b -
PREPARATION BLANK SUMMARY

Client: LB94431

SDG No.: LB94431

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
LB94431BLW		WATER		Batch Number:				Prep Date:		
	Bromide	0.066	<0.5	U		0.5		04/05/2018	11:18	LB94431
	Chloride	0.075	<0.15	U		0.15		04/05/2018	11:18	LB94431
	Fluoride	0.043	<0.1	U		0.1		04/05/2018	11:18	LB94431
	Phosphorus, Ortho	0.01	<0.25	U		0.25		04/05/2018	11:18	LB94431
	Nitrite	0.022	<0.15	U		0.15		04/05/2018	11:18	LB94431
	Nitrate	0.027	<0.13	U		0.13		04/05/2018	11:18	LB94431
	Sulfate	0.13	<0.75	U		0.75		04/05/2018	11:18	LB94431



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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB94431

SDG No.: LB94431

Contract:

Lab Code: CHEM

Case No.: LB94431

SAS No.: LB94431

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
J2133-08							
Bromide	mg/L	1	1.3		130	50 - 150	
Chloride	mg/L	0.3	0.39		130	50 - 150	
Fluoride	mg/L	0.2	0.28		140	50 - 150	
Phosphorus, Ortho	mg/L	0.5	0.38		76	50 - 150	
Nitrite	mg/L	0.3	0.39		130	50 - 150	
Nitrate	mg/L	0.25	0.32		128	50 - 150	
Sulfate	mg/L	1.5	2.1		140	50 - 150	



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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB94431

SDG No.: LB94431

Contract:

Lab Code: CHEM

Case No.: LB94431

SAS No.: LB94431

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
LB94431BSW							
Bromide	mg/L	10	9.6		96	90 - 110	
Chloride	mg/L	3	2.9		96.7	90 - 110	
Fluoride	mg/L	2	1.9		95	90 - 110	
Phosphorus, Ortho	mg/L	5	5.4		108	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	15		100	90 - 110	
