

Daily Analysis Runlog For Sequence/QC Batch ID # LB94222

Review By

Review On

SubDirectory

LB94222

Test :

Anions

STD. NAME		STD REF.#				
ICAL Standard		WP62070,WP62071,WP62072,WP62073,WP62074,WP62075,WP62076				
ICV Standard		WP62077				
CCV Standard		wp62714				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		wp62715				
Chk Standard		WP61543,WP61544				

Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	STD1	STD1	CAL1	02/19/18 11:21		OK
2	STD2	STD2	CAL2	02/19/18 11:52		OK
3	STD3	STD3	CAL3	02/19/18 12:23		OK
4	STD4	STD4	CAL4	02/19/18 12:54		OK
5	STD5	STD5	CAL5	02/19/18 13:25		OK
6	STD6	STD6	CAL6	02/19/18 13:56		OK
7	STD7	STD7	CAL7	02/19/18 14:27		OK
8	ICV1	ICV1	ICV	02/20/18 10:46		OK
9	ICB1	ICB1	ICB	02/20/18 11:28		OK
10	CCV1	CCV1	CCV	03/14/18 14:35		OK
11	CCB1	CCB1	CCB	03/14/18 15:07		OK
12	LB94222BLW	LB94222BLW	MB	03/14/18 15:39		OK
13	LB94222BSW	LB94222BSW	LCS	03/14/18 16:10		OK
14	J1161-07	LOD-MDL-WATER-0	SAM	03/14/18 16:42		OK
15	J1161-08	LOQ-WATER-02-QT	LOQ	03/14/18 17:14		OK
16	J1161-09	MDL-WATER-03-QT	SAM	03/14/18 17:46		OK
17	CCV2	CCV2	CCV	03/14/18 18:50		OK
18	CCB2	CCB2	CCB	03/14/18 19:22		OK



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Report of Analysis

Client:		Date Collected:	1/16/2018 12:00:00 AM
Project:	LB94222	Date Received:	1/16/2018 12:00:00 AM
Client Sample ID:	LOD-MDL-WATER-01-QT1-2018	SDG No.:	LB94222
Lab Sample ID:	J1161-07	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	0.66		1	0.066		0.5	mg/L		03/14/2018	9056
	Chloride	0.16		1	0.075		0.15	mg/L		03/14/2018	9056
	Fluoride	0.14		1	0.043		0.1	mg/L		03/14/2018	9056
	Nitrate	0.17		1	0.027		0.11	mg/L		03/14/2018	9056
	Nitrite	0.2		1	0.022		0.15	mg/L		03/14/2018	9056
	Phosphorus, Ortho	-0.067	U	1	0.01		0.24	mg/L		03/14/2018	9056
	Sulfate	1.1		1	0.13		0.75	mg/L		03/14/2018	9056



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Report of Analysis

Client:		Date Collected:	1/16/2018 12:00:00 AM
Project:	LB94222	Date Received:	1/16/2018 12:00:00 AM
Client Sample ID:	MDL-WATER-03-QT1-2018	SDG No.:	LB94222
Lab Sample ID:	J1161-09	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	0.65		1	0.066		0.5	mg/L		03/14/2018	9056
	Chloride	0.16		1	0.075		0.15	mg/L		03/14/2018	9056
	Fluoride	0.14		1	0.043		0.1	mg/L		03/14/2018	9056
	Nitrate	0.16		1	0.027		0.11	mg/L		03/14/2018	9056
	Nitrite	0.19		1	0.022		0.15	mg/L		03/14/2018	9056
	Phosphorus, Ortho	-0.016	U	1	0.01		0.24	mg/L		03/14/2018	9056
	Sulfate	1.1		1	0.13		0.75	mg/L		03/14/2018	9056



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Report of Analysis

Client:		Date Collected:	1/16/2018 12:00:00 AM
Project:	LB94222	Date Received:	1/16/2018 12:00:00 AM
Client Sample ID:	MDL-WATER-03-QT1-2018	SDG No.:	LB94222
Lab Sample ID:	J1161-09	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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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB94222

SDG No.: LB94222

Contract: _____ Lab Code: CHEM

Case No.: LB94222

SAS No.: LB94222

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		02/20/2018	10:46	LB94222
	Chloride	2.9	3	96.7		90 - 110		02/20/2018	10:46	LB94222
	Fluoride	2.1	2	105		90 - 110		02/20/2018	10:46	LB94222
	Phosphorus, Ortho	5	5	100		90 - 110		02/20/2018	10:46	LB94222
	Nitrite	3	3	100		90 - 110		02/20/2018	10:46	LB94222
	Nitrate	2.4	2.5	96		90 - 110		02/20/2018	10:46	LB94222
	Sulfate	15.4	15	102.7		90 - 110		02/20/2018	10:46	LB94222



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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB94222

SDG No.: LB94222

Contract: _____ Lab Code: CHEM

Case No.: LB94222

SAS No.: LB94222

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	10	10	100		90 - 110		03/14/2018	14:35	LB94222
	Chloride	3	3	100		90 - 110		03/14/2018	14:35	LB94222
	Fluoride	2	2	100		90 - 110		03/14/2018	14:35	LB94222
	Phosphorus, Ortho	5.3	5	106		90 - 110		03/14/2018	14:35	LB94222
	Nitrite	3	3	100		90 - 110		03/14/2018	14:35	LB94222
	Nitrate	2.5	2.5	100		90 - 110		03/14/2018	14:35	LB94222
	Sulfate	14.5	15	96.7		90 - 110		03/14/2018	14:35	LB94222
CCV2	Bromide	10.1	10	101		90 - 110		03/14/2018	18:50	LB94222
	Chloride	3	3	100		90 - 110		03/14/2018	18:50	LB94222
	Fluoride	2	2	100		90 - 110		03/14/2018	18:50	LB94222
	Phosphorus, Ortho	5.4	5	108		90 - 110		03/14/2018	18:50	LB94222
	Nitrite	3	3	100		90 - 110		03/14/2018	18:50	LB94222
	Nitrate	2.5	2.5	100		90 - 110		03/14/2018	18:50	LB94222
	Sulfate	14.4	15	96		90 - 110		03/14/2018	18:50	LB94222

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		02/20/2018	11:28	LB94222
	Chloride	0.075	+/-0.15	U		0.15		02/20/2018	11:28	LB94222
	Fluoride	0.043	+/-0.1	U		0.1		02/20/2018	11:28	LB94222
	Phosphorus, Ortho	0.01	+/-0.24	U		0.24		02/20/2018	11:28	LB94222
	Nitrite	0.022	+/-0.15	U		0.15		02/20/2018	11:28	LB94222
	Nitrate	0.027	+/-0.11	U		0.11		02/20/2018	11:28	LB94222
	Sulfate	0.13	+/-0.75	U		0.75		02/20/2018	11:28	LB94222

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		03/14/2018	15:07	LB94222
	Chloride	0.075	+/-0.15	U		0.15		03/14/2018	15:07	LB94222
	Fluoride	0.043	+/-0.1	U		0.1		03/14/2018	15:07	LB94222
	Phosphorus, Ortho	0.01	+/-0.24	U		0.24		03/14/2018	15:07	LB94222
	Nitrite	0.022	+/-0.15	U		0.15		03/14/2018	15:07	LB94222
	Nitrate	0.027	+/-0.11	U		0.11		03/14/2018	15:07	LB94222
	Sulfate	0.13	+/-0.75	U		0.75		03/14/2018	15:07	LB94222
CCB2	Bromide	0.066	+/-0.5	U		0.5		03/14/2018	19:22	LB94222
	Chloride	0.075	+/-0.15	U		0.15		03/14/2018	19:22	LB94222
	Fluoride	0.043	+/-0.1	U		0.1		03/14/2018	19:22	LB94222
	Phosphorus, Ortho	0.01	+/-0.24	U		0.24		03/14/2018	19:22	LB94222
	Nitrite	0.022	+/-0.15	U		0.15		03/14/2018	19:22	LB94222
	Nitrate	0.027	+/-0.11	U		0.11		03/14/2018	19:22	LB94222
	Sulfate	0.13	+/-0.75	U		0.75		03/14/2018	19:22	LB94222



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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB94222

SDG No.: LB94222

Contract: Lab Code: CHEM

Case No.: LB94222

SAS No.: LB94222

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: LB94222

SDG No.: LB94222

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
LB94222BLW		WATER		Batch Number:				Prep Date:		
	Bromide	0.066	<0.5	U		0.5		03/14/2018	15:39	LB94222
	Chloride	0.075	<0.15	U		0.15		03/14/2018	15:39	LB94222
	Fluoride	0.043	<0.1	U		0.1		03/14/2018	15:39	LB94222
	Phosphorus, Ortho	0.01	<0.24	U		0.24		03/14/2018	15:39	LB94222
	Nitrite	0.022	<0.15	U		0.15		03/14/2018	15:39	LB94222
	Nitrate	0.027	<0.11	U		0.11		03/14/2018	15:39	LB94222
	Sulfate	0.13	<0.75	U		0.75		03/14/2018	15:39	LB94222



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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB94222

SDG No.: LB94222

Contract: _____

Lab Code: CHEM

Case No.: LB94222

SAS No.: LB94222

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
J1161-08							
Bromide	mg/L	1	1.3		130	50 - 150	
Chloride	mg/L	0.3	0.39		130	50 - 150	
Fluoride	mg/L	0.2	0.21		105	50 - 150	
Phosphorus, Ortho	mg/L	0.48	0.45		93.8	50 - 150	
Nitrite	mg/L	0.3	0.4		133.3	50 - 150	
Nitrate	mg/L	0.23	0.35		152.2	50 - 150	
Sulfate	mg/L	1.5	2.2		146.7	50 - 150	



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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB94222

SDG No.: LB94222

Contract:

Lab Code: CHEM

Case No.: LB94222

SAS No.: LB94222

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
LB94222BSW							
Bromide	mg/L	10	9.4		94	90 - 110	
Chloride	mg/L	3	2.8		93.3	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	14.5		96.7	90 - 110	
