

Daily Analysis Runlog For Sequence/QC Batch ID # LB94372

Review By

SubDirectory

Review On

Test : Anions

LB94372

STD. NAME		STD REF.#				
ICAL Standard		wp62836,wp62837,wp62838,wp62839,wp62840,wp62841,wp62842,wp62843				
ICV Standard		wp62844				
CCV Standard		WP63125				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP63126				
Chk Standard		wp62457,wp62459				

Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	STD1	STD1	CAL1	03/19/18 11:39		OK
2	STD2	STD2	CAL2	03/19/18 12:11		OK
3	STD3	STD3	CAL3	03/19/18 12:43		OK
4	STD4	STD4	CAL4	03/19/18 13:15		OK
5	STD5	STD5	CAL5	03/19/18 13:47		OK
6	STD6	STD6	CAL6	03/19/18 14:19		OK
7	STD7	STD7	CAL7	03/19/18 14:51		OK
8	ICV1	ICV1	ICV	03/19/18 16:27		OK
9	ICB1	ICB1	ICB	03/19/18 17:23		OK
10	CCV1	CCV1	CCV	03/28/18 16:34		OK
11	CCB1	CCB1	CCB	03/28/18 17:05		OK
12	LB94372BLW	LB94372BLW	MB	03/28/18 17:36		OK
13	LB94372BSW	LB94372BSW	LCS	03/28/18 18:07		OK
14	J1161-07	LOD-MDL-WATER-0	SAM	03/28/18 19:09		OK
15	J1161-09	MDL-WATER-03-QT	SAM	03/28/18 19:40		OK
16	CCV2	CCV2	CCV	03/28/18 20:11		OK
17	CCB2	CCB2	CCB	03/28/18 20:42		OK



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Report of Analysis

Client:		Date Collected:	1/16/2018 12:00:00 AM
Project:	LB94372	Date Received:	1/16/2018 12:00:00 AM
Client Sample ID:	LOD-MDL-WATER-01-QT1-2018	SDG No.:	LB94372
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	0.93		1	0.066		0.5	mg/L		03/28/2018	300.0
	Chloride	0.26		1	0.075		0.15	mg/L		03/28/2018	300.0
	Fluoride	0	U	1	0.043		0.1	mg/L		03/28/2018	300.0
	Nitrate	0.25		1	0.027		0.13	mg/L		03/28/2018	300.0
	Nitrite	0.27		1	0.022		0.15	mg/L		03/28/2018	300.0
	Phosphorus, Ortho	0.1	J	1	0.01		0.25	mg/L		03/28/2018	300.0
	Sulfate	1.4		1	0.13		0.75	mg/L		03/28/2018	300.0



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Report of Analysis

Client:		Date Collected:	1/16/2018 12:00:00 AM
Project:	LB94372	Date Received:	1/16/2018 12:00:00 AM
Client Sample ID:	MDL-WATER-03-QT1-2018	SDG No.:	LB94372
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	0.94		1	0.066		0.5	mg/L		03/28/2018	300.0
	Chloride	0.26		1	0.075		0.15	mg/L		03/28/2018	300.0
	Fluoride	0	U	1	0.043		0.1	mg/L		03/28/2018	300.0
	Nitrate	0.25		1	0.027		0.13	mg/L		03/28/2018	300.0
	Nitrite	0.27		1	0.022		0.15	mg/L		03/28/2018	300.0
	Phosphorus, Ortho	0.12	J	1	0.01		0.25	mg/L		03/28/2018	300.0
	Sulfate	1.4		1	0.13		0.75	mg/L		03/28/2018	300.0



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Report of Analysis

Client:		Date Collected:	1/16/2018 12:00:00 AM
Project:	LB94372	Date Received:	1/16/2018 12:00:00 AM
Client Sample ID:	MDL-WATER-03-QT1-2018	SDG No.:	LB94372
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



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB94372

SDG No.: LB94372

Contract: _____ Lab Code: CHEM

Case No.: LB94372

SAS No.: LB94372

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	9.7	10	97		90 - 110		03/19/2018	16:27	LB94372
	Chloride	2.9	3	96.7		90 - 110		03/19/2018	16:27	LB94372
	Fluoride	2	2	100		90 - 110		03/19/2018	16:27	LB94372
	Phosphorus, Ortho	5.3	5	106		90 - 110		03/19/2018	16:27	LB94372
	Nitrite	2.9	3	96.7		90 - 110		03/19/2018	16:27	LB94372
	Nitrate	2.4	2.5	96		90 - 110		03/19/2018	16:27	LB94372
	Sulfate	15.2	15	101.3		90 - 110		03/19/2018	16:27	LB94372



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- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB94372

SDG No.: LB94372

Contract: _____ Lab Code: CHEM

Case No.: LB94372

SAS No.: LB94372

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	9.6	10	96		90 - 110		03/28/2018	16:34	LB94372
	Chloride	2.9	3	96.7		90 - 110		03/28/2018	16:34	LB94372
	Fluoride	1.9	2	95		90 - 110		03/28/2018	16:34	LB94372
	Phosphorus, Ortho	5.2	5	104		90 - 110		03/28/2018	16:34	LB94372
	Nitrite	2.9	3	96.7		90 - 110		03/28/2018	16:34	LB94372
	Nitrate	2.4	2.5	96		90 - 110		03/28/2018	16:34	LB94372
	Sulfate	14.7	15	98		90 - 110		03/28/2018	16:34	LB94372
CCV2	Bromide	9.5	10	95		90 - 110		03/28/2018	20:11	LB94372
	Chloride	2.9	3	96.7		90 - 110		03/28/2018	20:11	LB94372
	Fluoride	1.9	2	95		90 - 110		03/28/2018	20:11	LB94372
	Phosphorus, Ortho	5.1	5	102		90 - 110		03/28/2018	20:11	LB94372
	Nitrite	2.9	3	96.7		90 - 110		03/28/2018	20:11	LB94372
	Nitrate	2.4	2.5	96		90 - 110		03/28/2018	20:11	LB94372
	Sulfate	14.8	15	98.7		90 - 110		03/28/2018	20:11	LB94372



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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB94372

SDG No.: LB94372

Contract: **Lab Code:** CHEM

Case No.: LB94372

SAS No.: LB94372

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		03/19/2018	17:23	LB94372
	Chloride	0.075	+/-0.15	U		0.15		03/19/2018	17:23	LB94372
	Fluoride	0.043	+/-0.1	U		0.1		03/19/2018	17:23	LB94372
	Phosphorus, Ortho	0.01	+/-0.25	U		0.25		03/19/2018	17:23	LB94372
	Nitrite	0.022	+/-0.15	U		0.15		03/19/2018	17:23	LB94372
	Nitrate	0.027	+/-0.13	U		0.13		03/19/2018	17:23	LB94372
	Sulfate	0.13	+/-0.75	U		0.75		03/19/2018	17:23	LB94372



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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB94372

SDG No.: LB94372

Contract:

Lab Code: CHEM

Case No.: LB94372

SAS No.: LB94372

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		03/28/2018	17:05	LB94372
	Chloride	0.075	+/-0.15	U		0.15		03/28/2018	17:05	LB94372
	Fluoride	0.043	+/-0.1	U		0.1		03/28/2018	17:05	LB94372
	Phosphorus, Ortho	0.01	+/-0.25	U		0.25		03/28/2018	17:05	LB94372
	Nitrite	0.022	+/-0.15	U		0.15		03/28/2018	17:05	LB94372
	Nitrate	0.027	+/-0.13	U		0.13		03/28/2018	17:05	LB94372
	Sulfate	0.13	+/-0.75	U		0.75		03/28/2018	17:05	LB94372
CCB2	Bromide	0.066	+/-0.5	U		0.5		03/28/2018	20:42	LB94372
	Chloride	0.075	+/-0.15	U		0.15		03/28/2018	20:42	LB94372
	Fluoride	0.043	+/-0.1	U		0.1		03/28/2018	20:42	LB94372
	Phosphorus, Ortho	0.01	+/-0.25	U		0.25		03/28/2018	20:42	LB94372
	Nitrite	0.022	+/-0.15	U		0.15		03/28/2018	20:42	LB94372
	Nitrate	0.027	+/-0.13	U		0.13		03/28/2018	20:42	LB94372
	Sulfate	0.13	+/-0.75	U		0.75		03/28/2018	20:42	LB94372



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB94372

SDG No.: LB94372

Contract: Lab Code: CHEM

Case No.: LB94372

SAS No.: LB94372

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: LB94372

SDG No.: LB94372

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
LB94372BLW		WATER		Batch Number:				Prep Date:		
	Bromide	0.066	<0.5	U		0.5		03/28/2018	17:36	LB94372
	Chloride	0.075	<0.15	U		0.15		03/28/2018	17:36	LB94372
	Fluoride	0.043	<0.1	U		0.1		03/28/2018	17:36	LB94372
	Phosphorus, Ortho	0.01	<0.25	U		0.25		03/28/2018	17:36	LB94372
	Nitrite	0.022	<0.15	U		0.15		03/28/2018	17:36	LB94372
	Nitrate	0.027	<0.13	U		0.13		03/28/2018	17:36	LB94372
	Sulfate	0.13	<0.75	U		0.75		03/28/2018	17:36	LB94372



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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB94372

SDG No.: LB94372

Contract:

Lab Code: CHEM

Case No.: LB94372

SAS No.: LB94372

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
LB94372BSW							
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	15.4		102.7	90 - 110	
