

Daily Analysis Runlog For Sequence/QC Batch ID # LB94662

Review By

Review On

SubDirectory

LB94662

Test :

Anions

STD. NAME		STD REF.#				
ICAL Standard		wp62836,wp62837,wp62838,wp62839,wp62840,wp62841,wp62842,wp62843				
ICV Standard		wp62844				
CCV Standard		wp63716				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		wp63715				
Chk Standard		WP63116,WP63117				

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	04/16/18 08:50		OK
11	CCB1	CCB1	CCB	04/16/18 09:22		OK
12	LB94662BLW	LB94662BLW	MB	04/16/18 09:53		OK
13	LB94662BSW	LB94662BSW	LCS	04/16/18 10:57		OK
14	J2383-01	EPE-P-8-OW	SAM	04/16/18 11:30	CL,SO4 high	Dilution
15	J2383-02	EPE-L-3-OW	SAM	04/16/18 12:01	CL,SO4 high	Dilution
16	J2383-03	EPE-115-1-OW	SAM	04/16/18 12:32	CL high	Dilution
17	J2383-03DUP	EPE-115-1-OWDUP	DUP	04/16/18 13:03		OK
18	J2383-03MS	EPE-115-1-OWMS	MS	04/16/18 13:34		OK
19	J2383-01DL	EPE-P-8-OWDL	SAM	04/16/18 14:05	20x for CL,SO4,still CL high	Dilution
20	J2383-01DL2	EPE-P-8-OWDL2	SAM	04/16/18 14:36	100x for CL	Confirms
21	J2383-02DL	EPE-L-3-OWDL	SAM	04/16/18 15:06	10x for CL,SO4,still CL	Dilution

Daily Analysis Runlog For Sequence/QC Batch ID # LB94662

Review By			Review On			
SubDirectory		LB94662		Test : Anions		
STD. NAME		STD REF.#				
ICAL Standard		wp62836,wp62837,wp62838,wp62839,wp62840,wp62841,wp62842,wp62843				
ICV Standard		wp62844				
CCV Standard		wp63716				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		wp63715				
Chk Standard		WP63116,WP63117				
22	CCV2	CCV2	CCV	04/16/18 15:37		OK
23	CCB2	CCB2	CCB	04/16/18 16:08		OK
24	J2383-02DL2	EPE-L-3-OWDL2	SAM	04/16/18 16:39	200x for CL	Confirms
25	CCV3	CCV3	CCV	04/16/18 17:41		OK
26	CCB3	CCB3	CCB	04/16/18 18:12		OK
27	CCV4	CCV4	CCV	04/17/18 10:34		OK
28	CCB4	CCB4	CCB	04/17/18 11:04		OK
29	LB94662BLW2	LB94662BLW2	MB	04/17/18 11:35		OK
30	LB94662BSW2	LB94662BSW2	LCS	04/17/18 12:06		OK
31	J2383-03DL	EPE-115-1-OWDL	SAM	04/17/18 12:38	100x for CL	Confirms
32	CCV5	CCV5	CCV	04/17/18 13:09		OK
33	CCB5	CCB5	CCB	04/17/18 13:39		OK



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Report of Analysis

Client:		Date Collected:	4/12/2018 12:00:00 AM
Project:	LB94662	Date Received:	4/13/2018 12:00:00 AM
Client Sample ID:	EPE-P-8-OW	SDG No.:	LB94662
Lab Sample ID:	J2383-01	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	U	1	0.066		0.5	mg/L		04/16/2018	300.0
	Chloride	461	OR	1	0.075		0.15	mg/L		04/16/2018	300.0
	Fluoride	0	U	1	0.043		0.1	mg/L		04/16/2018	300.0
	Nitrate	0	U	1	0.027		0.13	mg/L		04/16/2018	300.0
	Nitrite	0	U	1	0.022		0.15	mg/L		04/16/2018	300.0
	Phosphorus, Ortho	0	U	1	0.01		0.25	mg/L		04/16/2018	300.0
	Sulfate	438	OR	1	0.13		0.75	mg/L		04/16/2018	300.0



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Report of Analysis

Client:		Date Collected:	4/12/2018 12:00:00 AM
Project:	LB94662	Date Received:	4/13/2018 12:00:00 AM
Client Sample ID:	EPE-P-8-OWDL	SDG No.:	LB94662
Lab Sample ID:	J2383-01DL	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	UD	20	1.3		10	mg/L		04/16/2018	300.0
	Chloride	339	OR	20	1.5		3	mg/L		04/16/2018	300.0
	Fluoride	0	UD	20	0.86		2	mg/L		04/16/2018	300.0
	Nitrate	0	UD	20	0.54		2.5	mg/L		04/16/2018	300.0
	Nitrite	0	UD	20	0.44		3	mg/L		04/16/2018	300.0
	Phosphorus, Ortho	0	UD	20	0.2		5	mg/L		04/16/2018	300.0
	Sulfate	327	D	20	2.6		15	mg/L		04/16/2018	300.0



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Report of Analysis

Client:		Date Collected:	4/12/2018 12:00:00 AM
Project:	LB94662	Date Received:	4/13/2018 12:00:00 AM
Client Sample ID:	EPE-P-8-OWDL2	SDG No.:	LB94662
Lab Sample ID:	J2383-01DL2	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	UD	100	6.6		50	mg/L		04/16/2018	300.0
	Chloride	320	D	100	7.5		15	mg/L		04/16/2018	300.0
	Fluoride	0	UD	100	4.3		10	mg/L		04/16/2018	300.0
	Nitrate	0	UD	100	2.7		12.5	mg/L		04/16/2018	300.0
	Nitrite	0	UD	100	2.2		15	mg/L		04/16/2018	300.0
	Phosphorus, Ortho	0	UD	100	1		25	mg/L		04/16/2018	300.0
	Sulfate	362	D	100	13.2		75	mg/L		04/16/2018	300.0



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Report of Analysis

Client:		Date Collected:	4/12/2018 12:00:00 AM
Project:	LB94662	Date Received:	4/13/2018 12:00:00 AM
Client Sample ID:	EPE-L-3-OW	SDG No.:	LB94662
Lab Sample ID:	J2383-02	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	1.4		1	0.066		0.5	mg/L		04/16/2018	300.0
	Chloride	894	OR	1	0.075		0.15	mg/L		04/16/2018	300.0
	Fluoride	0.29		1	0.043		0.1	mg/L		04/16/2018	300.0
	Nitrate	2.9		1	0.027		0.13	mg/L		04/16/2018	300.0
	Nitrite	0	U	1	0.022		0.15	mg/L		04/16/2018	300.0
	Phosphorus, Ortho	0	U	1	0.01		0.25	mg/L		04/16/2018	300.0
	Sulfate	359	OR	1	0.13		0.75	mg/L		04/16/2018	300.0



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Report of Analysis

Client:		Date Collected:	4/12/2018 12:00:00 AM
Project:	LB94662	Date Received:	4/13/2018 12:00:00 AM
Client Sample ID:	EPE-L-3-OWDL	SDG No.:	LB94662
Lab Sample ID:	J2383-02DL	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	UD	10	0.66		5	mg/L		04/16/2018	300.0
	Chloride	780	OR	10	0.75		1.5	mg/L		04/16/2018	300.0
	Fluoride	0	UD	10	0.43		1	mg/L		04/16/2018	300.0
	Nitrate	3.6	D	10	0.27		1.3	mg/L		04/16/2018	300.0
	Nitrite	0	UD	10	0.22		1.5	mg/L		04/16/2018	300.0
	Phosphorus, Ortho	0	UD	10	0.1		2.5	mg/L		04/16/2018	300.0
	Sulfate	286	D	10	1.3		7.5	mg/L		04/16/2018	300.0



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Report of Analysis

Client:		Date Collected:	4/12/2018 12:00:00 AM
Project:	LB94662	Date Received:	4/13/2018 12:00:00 AM
Client Sample ID:	EPE-L-3-OWDL2	SDG No.:	LB94662
Lab Sample ID:	J2383-02DL2	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	UD	200	13.2		100	mg/L		04/16/2018	300.0
	Chloride	585	D	200	15		30	mg/L		04/16/2018	300.0
	Fluoride	0	UD	200	8.6		20	mg/L		04/16/2018	300.0
	Nitrate	0	UD	200	5.4		25	mg/L		04/16/2018	300.0
	Nitrite	0	UD	200	4.4		30	mg/L		04/16/2018	300.0
	Phosphorus, Ortho	0	UD	200	2		50	mg/L		04/16/2018	300.0
	Sulfate	376	D	200	26.4		150	mg/L		04/16/2018	300.0



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Report of Analysis

Client:		Date Collected:	4/12/2018 12:00:00 AM
Project:	LB94662	Date Received:	4/13/2018 12:00:00 AM
Client Sample ID:	EPE-115-1-OW	SDG No.:	LB94662
Lab Sample ID:	J2383-03	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	U	1	0.066		0.5	mg/L		04/16/2018	300.0
	Chloride	394	OR	1	0.075		0.15	mg/L		04/16/2018	300.0
	Fluoride	0	U	1	0.043		0.1	mg/L		04/16/2018	300.0
	Nitrate	0	U	1	0.027		0.13	mg/L		04/16/2018	300.0
	Nitrite	0	U	1	0.022		0.15	mg/L		04/16/2018	300.0
	Phosphorus, Ortho	0	U	1	0.01		0.25	mg/L		04/16/2018	300.0
	Sulfate	6.5		1	0.13		0.75	mg/L		04/16/2018	300.0



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Report of Analysis

Client:		Date Collected:	4/12/2018 12:00:00 AM
Project:	LB94662	Date Received:	4/13/2018 12:00:00 AM
Client Sample ID:	EPE-115-1-OWDL	SDG No.:	LB94662
Lab Sample ID:	J2383-03DL	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	UD	100	6.6		50	mg/L		04/17/2018	300.0
	Chloride	276	D	100	7.5		15	mg/L		04/17/2018	300.0
	Fluoride	0	UD	100	4.3		10	mg/L		04/17/2018	300.0
	Nitrate	0	UD	100	2.7		12.5	mg/L		04/17/2018	300.0
	Nitrite	0	UD	100	2.2		15	mg/L		04/17/2018	300.0
	Phosphorus, Ortho	0	UD	100	1		25	mg/L		04/17/2018	300.0
	Sulfate	0	UD	100	13.2		75	mg/L		04/17/2018	300.0



Report of Analysis

Client:		Date Collected:	4/12/2018 12:00:00 AM
Project:	LB94662	Date Received:	4/13/2018 12:00:00 AM
Client Sample ID:	EPE-115-1-OWDL	SDG No.:	LB94662
Lab Sample ID:	J2383-03DL	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: LB94662

SDG No.: LB94662

Contract: _____ Lab Code: CHEM

Case No.: LB94662

SAS No.: LB94662

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	lb94662
	Chloride	2.9	3	96.7		90 - 110		03/19/2018	16:27	lb94662
	Fluoride	2	2	100		90 - 110		03/19/2018	16:27	lb94662
	Phosphorus, Ortho	5.3	5	106		90 - 110		03/19/2018	16:27	lb94662
	Nitrite	2.9	3	96.7		90 - 110		03/19/2018	16:27	lb94662
	Nitrate	2.4	2.5	96		90 - 110		03/19/2018	16:27	lb94662
	Sulfate	15.2	15	101.3		90 - 110		03/19/2018	16:27	lb94662



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- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB94662SDG No.: LB94662Contract: _____ Lab Code: CHEMCase No.: LB94662SAS No.: LB94662

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	9.5	10	95		90 - 110		04/16/2018	08:50	lb94662
	Chloride	2.9	3	96.7		90 - 110		04/16/2018	08:50	lb94662
	Fluoride	2	2	100		90 - 110		04/16/2018	08:50	lb94662
	Phosphorus, Ortho	4.9	5	98		90 - 110		04/16/2018	08:50	lb94662
	Nitrite	2.8	3	93.3		90 - 110		04/16/2018	08:50	lb94662
	Nitrate	2.4	2.5	96		90 - 110		04/16/2018	08:50	lb94662
	Sulfate	14.4	15	96		90 - 110		04/16/2018	08:50	lb94662
CCV2	Bromide	9.6	10	96		90 - 110		04/16/2018	15:37	lb94662
	Chloride	2.9	3	96.7		90 - 110		04/16/2018	15:37	lb94662
	Fluoride	1.8	2	90		90 - 110		04/16/2018	15:37	lb94662
	Phosphorus, Ortho	5.3	5	106		90 - 110		04/16/2018	15:37	lb94662
	Nitrite	2.8	3	93.3		90 - 110		04/16/2018	15:37	lb94662
	Nitrate	2.4	2.5	96		90 - 110		04/16/2018	15:37	lb94662
	Sulfate	14.5	15	96.7		90 - 110		04/16/2018	15:37	lb94662
CCV3	Bromide	9.7	10	97		90 - 110		04/16/2018	17:41	lb94662
	Chloride	3	3	100		90 - 110		04/16/2018	17:41	lb94662
	Fluoride	1.9	2	95		90 - 110		04/16/2018	17:41	lb94662
	Phosphorus, Ortho	5.3	5	106		90 - 110		04/16/2018	17:41	lb94662
	Nitrite	2.8	3	93.3		90 - 110		04/16/2018	17:41	lb94662
	Nitrate	2.4	2.5	96		90 - 110		04/16/2018	17:41	lb94662
	Sulfate	14.8	15	98.7		90 - 110		04/16/2018	17:41	lb94662
CCV4	Bromide	9.5	10	95		90 - 110		04/17/2018	10:34	lb94662
	Chloride	2.9	3	96.7		90 - 110		04/17/2018	10:34	lb94662
	Fluoride	1.9	2	95		90 - 110		04/17/2018	10:34	lb94662
	Phosphorus, Ortho	4.9	5	98		90 - 110		04/17/2018	10:34	lb94662
	Nitrite	2.8	3	93.3		90 - 110		04/17/2018	10:34	lb94662
	Nitrate	2.4	2.5	96		90 - 110		04/17/2018	10:34	lb94662
	Sulfate	14.6	15	97.3		90 - 110		04/17/2018	10:34	lb94662
CCV5	Bromide	9.8	10	98		90 - 110		04/17/2018	13:09	lb94662
	Chloride	3	3	100		90 - 110		04/17/2018	13:09	lb94662
	Fluoride	2	2	100		90 - 110		04/17/2018	13:09	lb94662
	Phosphorus, Ortho	5.1	5	102		90 - 110		04/17/2018	13:09	lb94662
	Nitrite	2.9	3	96.7		90 - 110		04/17/2018	13:09	lb94662
	Nitrate	2.4	2.5	96		90 - 110		04/17/2018	13:09	lb94662



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB94662

SDG No.: LB94662

Contract:

Lab Code: CHEM

Case No.: LB94662

SAS No.: LB94662

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	lb94662
	Chloride	0.075	+/-0.15	U		0.15		03/19/2018	17:23	lb94662
	Fluoride	0.043	+/-0.1	U		0.1		03/19/2018	17:23	lb94662
	Phosphorus, Ortho	0.01	+/-0.25	U		0.25		03/19/2018	17:23	lb94662
	Nitrite	0.022	+/-0.15	U		0.15		03/19/2018	17:23	lb94662
	Nitrate	0.027	+/-0.13	U		0.13		03/19/2018	17:23	lb94662
	Sulfate	0.13	+/-0.75	U		0.75		03/19/2018	17:23	lb94662



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB94662 SDG No.: LB94662
Contract: _____ Lab Code: CHEM Case No.: LB94662 SAS No.: LB94662

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		04/16/2018	09:22	lb94662
	Chloride	0.075	+/-0.15	U		0.15		04/16/2018	09:22	lb94662
	Fluoride	0.043	+/-0.1	U		0.1		04/16/2018	09:22	lb94662
	Phosphorus, Ortho	0.01	+/-0.25	U		0.25		04/16/2018	09:22	lb94662
	Nitrite	0.022	+/-0.15	U		0.15		04/16/2018	09:22	lb94662
	Nitrate	0.027	+/-0.13	U		0.13		04/16/2018	09:22	lb94662
	Sulfate	0.13	+/-0.75	U		0.75		04/16/2018	09:22	lb94662
CCB2	Bromide	0.066	+/-0.5	U		0.5		04/16/2018	16:08	lb94662
	Chloride	0.075	+/-0.15	U		0.15		04/16/2018	16:08	lb94662
	Fluoride	0.043	+/-0.1	U		0.1		04/16/2018	16:08	lb94662
	Phosphorus, Ortho	0.01	+/-0.25	U		0.25		04/16/2018	16:08	lb94662
	Nitrite	0.022	+/-0.15	U		0.15		04/16/2018	16:08	lb94662
	Nitrate	0.027	+/-0.13	U		0.13		04/16/2018	16:08	lb94662
	Sulfate	0.13	+/-0.75	U		0.75		04/16/2018	16:08	lb94662
CCB3	Bromide	0.066	+/-0.5	U		0.5		04/16/2018	18:12	lb94662
	Chloride	0.075	+/-0.15	U		0.15		04/16/2018	18:12	lb94662
	Fluoride	0.043	+/-0.1	U		0.1		04/16/2018	18:12	lb94662
	Phosphorus, Ortho	0.01	+/-0.25	U		0.25		04/16/2018	18:12	lb94662
	Nitrite	0.022	+/-0.15	U		0.15		04/16/2018	18:12	lb94662
	Nitrate	0.027	+/-0.13	U		0.13		04/16/2018	18:12	lb94662
	Sulfate	0.13	+/-0.75	U		0.75		04/16/2018	18:12	lb94662
CCB4	Bromide	0.066	+/-0.5	U		0.5		04/17/2018	11:04	lb94662
	Chloride	0.075	+/-0.15	U		0.15		04/17/2018	11:04	lb94662
	Fluoride	0.043	+/-0.1	U		0.1		04/17/2018	11:04	lb94662
	Phosphorus, Ortho	0.01	+/-0.25	U		0.25		04/17/2018	11:04	lb94662
	Nitrite	0.022	+/-0.15	U		0.15		04/17/2018	11:04	lb94662
	Nitrate	0.027	+/-0.13	U		0.13		04/17/2018	11:04	lb94662
	Sulfate	0.13	+/-0.75	U		0.75		04/17/2018	11:04	lb94662
CCB5	Bromide	0.066	+/-0.5	U		0.5		04/17/2018	13:39	lb94662
	Chloride	0.075	+/-0.15	U		0.15		04/17/2018	13:39	lb94662
	Fluoride	0.043	+/-0.1	U		0.1		04/17/2018	13:39	lb94662
	Phosphorus, Ortho	0.01	+/-0.25	U		0.25		04/17/2018	13:39	lb94662
	Nitrite	0.022	+/-0.15	U		0.15		04/17/2018	13:39	lb94662
	Nitrate	0.027	+/-0.13	U		0.13		04/17/2018	13:39	lb94662
	Sulfate	0.13	+/-0.75	U		0.75		04/17/2018	13:39	lb94662



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB94662

SDG No.: LB94662

Contract: Lab Code: CHEM

Case No.: LB94662

SAS No.: LB94662

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

Client: LB94662

SDG No.: LB94662

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
LB94662BLW		WATER		Batch Number:				Prep Date:		
	Bromide	0.066	<0.5	U		0.5		04/16/2018	09:53	lb94662
	Chloride	0.075	<0.15	U		0.15		04/16/2018	09:53	lb94662
	Fluoride	0.043	<0.1	U		0.1		04/16/2018	09:53	lb94662
	Phosphorus, Ortho	0.01	<0.25	U		0.25		04/16/2018	09:53	lb94662
	Nitrite	0.022	<0.15	U		0.15		04/16/2018	09:53	lb94662
	Nitrate	0.027	<0.13	U		0.13		04/16/2018	09:53	lb94662
	Sulfate	0.13	<0.75	U		0.75		04/16/2018	09:53	lb94662
Sample ID	Analyte	Result (mg/L)	Acceptance Limit	Conc Qual	LOD mg/L	CRQL mg/L	M	Analysis Date	Analysis Time	Run
LB94662BLW2		WATER		Batch Number:				Prep Date:		
	Bromide	0.066	<0.5	U		0.5		04/17/2018	11:35	lb94662
	Chloride	0.075	<0.15	U		0.15		04/17/2018	11:35	lb94662
	Fluoride	0.043	<0.1	U		0.1		04/17/2018	11:35	lb94662
	Phosphorus, Ortho	0.01	<0.25	U		0.25		04/17/2018	11:35	lb94662
	Nitrite	0.022	<0.15	U		0.15		04/17/2018	11:35	lb94662
	Nitrate	0.027	<0.13	U		0.13		04/17/2018	11:35	lb94662
	Sulfate	0.13	<0.75	U		0.75		04/17/2018	11:35	lb94662



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB94662 level: low sdg no.: LB94662
contract: lab code: CHEM case no.: LB94662 sas no.: LB94662
matrix: WATER sample id: J2383-03 client id: EPE-115-1-OWMS
Percent Solids for Sample: 0 Spiked ID: J2383-03MS Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Bromide	mg/L	80 - 120	9.9		0.066	U	10	99		
Chloride	mg/L	80 - 120	358	OR	394	OR	3	-1200	*	
Fluoride	mg/L	80 - 120	2.7		0.043	U	2	135	*	
Phosphorus, Ortho	mg/L	80 - 120	6.4		0.01	U	5	128	*	
Nitrite	mg/L	80 - 120	2.6		0.022	U	3	86.7		
Nitrate	mg/L	80 - 120	2.4		0.027	U	2.5	96		
Sulfate	mg/L	80 - 120	21.3		6.5		15	99		

GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB94662 **Level:** LOW **SDG No.:** LB94662
Contract: **Lab Code:** CHEM **Case No.:** LB94662 **SAS No.:** LB94662
Matrix: WATER **Sample ID:** J2383-03 **Client ID:** EPE-115-1-OWDUP
Percent Solids for Sample: 0 **Duplicate ID** J2383-03DUP **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Bromide	mg/L	20	0.066	U	0	U			
Chloride	mg/L	20	394	OR	386	OR	2		
Fluoride	mg/L	20	0.043	U	0	U			
Phosphorus, Ortho	mg/L	20	0.01	U	0	U			
Nitrite	mg/L	20	0.022	U	0	U			
Nitrate	mg/L	20	0.027	U	0	U			
Sulfate	mg/L	20	6.5		6.4		2		



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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB94662

SDG No.: LB94662

Contract:

Lab Code: CHEM

Case No.: LB94662

SAS No.: LB94662

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
LB94662BSW							
Bromide	mg/L	10	9.3		93	90 - 110	
Chloride	mg/L	3	2.8		93.3	90 - 110	
Fluoride	mg/L	2	1.8		90	90 - 110	
Phosphorus, Ortho	mg/L	5	5.1		102	90 - 110	
Nitrite	mg/L	3	2.7		90	90 - 110	
Nitrate	mg/L	2.5	2.3		92	90 - 110	
Sulfate	mg/L	15	14.6		97.3	90 - 110	



GENCHEM

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: LB94662

SDG No.: LB94662

Contract:

Lab Code: CHEM

Case No.: LB94662

SAS No.: LB94662

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
LB94662BSW2							
Bromide	mg/L	10	9.4		94	90 - 110	
Chloride	mg/L	3	2.8		93.3	90 - 110	
Fluoride	mg/L	2	1.8		90	90 - 110	
Phosphorus, Ortho	mg/L	5	5		100	90 - 110	
Nitrite	mg/L	3	2.7		90	90 - 110	
Nitrate	mg/L	2.5	2.3		92	90 - 110	
Sulfate	mg/L	15	14.8		98.7	90 - 110	
