

Daily Analysis Runlog For Sequence/QC Batch ID # LB91675

Review By

Review On

SubDirectory

LB91675

Test :

Anions

STD. NAME		STD REF.#				
ICAL Standard		WP59441,WP59442,WP59443,WP59444,WP59445,WP59446,WP59447				
ICV Standard		WP59448				
CCV Standard		WP59742				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP59743				
Chk Standard		WP59449,WP59283				

Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	STD1	STD1	CAL1	11/07/17 10:52		OK
2	STD2	STD2	CAL2	11/07/17 11:21		OK
3	STD3	STD3	CAL3	11/07/17 11:50		OK
4	STD4	STD4	CAL4	11/07/17 12:19		OK
5	STD5	STD5	CAL5	11/07/17 12:47		OK
6	STD6	STD6	CAL6	11/07/17 13:16		OK
7	STD7	STD7	CAL7	11/07/17 13:45		OK
8	ICV1	ICV1	ICV	11/07/17 15:12		OK
9	ICB1	ICB1	ICB	11/07/17 15:42		OK
10	CCV1	CCV1	CCV	11/17/17 10:59		OK
11	CCB1	CCB1	CCB	11/17/17 11:28		OK
12	LB91675BLW	LB91675BLW	MB	11/17/17 12:04		OK
13	LB91675BSW	LB91675BSW	LCS	11/17/17 12:54		OK
14	I6525-05	MW-20	SAM	11/17/17 13:24	Sulfate High	Dilution
15	I6525-06	MW-11	SAM	11/17/17 13:52		OK
16	I6525-04	MW-12	SAM	11/17/17 14:21	Sulfate High	Dilution
17	I6525-01	MW-21	SAM	11/17/17 14:50	Sulfate High	Dilution
18	I6525-02	MW-24	SAM	11/17/17 15:19		OK
19	I6525-03	T71-MW7	SAM	11/17/17 15:48	Sulfate High	Dilution
20	I6525-09	T70-DW1	SAM	11/17/17 16:17	Sulfate High	Dilution
21	I6525-11	T71-MW5	SAM	11/17/17 16:46	Sulfate High	Dilution

Daily Analysis Runlog For Sequence/QC Batch ID # LB91675

Review By		Review On				
SubDirectory		LB91675		Test : Anions		
STD. NAME		STD REF.#				
ICAL Standard		WP59441,WP59442,WP59443,WP59444,WP59445,WP59446,WP59447				
ICV Standard		WP59448				
CCV Standard		WP59742				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP59743				
Chk Standard		WP59449,WP59283				
22	CCV2	CCV2	CCV	11/17/17 17:15		OK
23	CCB2	CCB2	CCB	11/17/17 17:44		OK
24	I6525-12	MW-18	SAM	11/17/17 18:13		OK
25	I6525-13	T71-MW4	SAM	11/17/17 18:42		OK
26	I6536-02	MW-17	SAM	11/17/17 19:11		OK
27	I6536-04	MW-10	SAM	11/17/17 19:40		OK
28	I6536-05	MW-16	SAM	11/17/17 20:08		OK
29	I6525-04DUP	MW-12DUP	DUP	11/17/17 20:37		OK
30	I6525-04MS	MW-12MS	MS	11/17/17 21:06		OK
31	I6525-05DL	MW-20DL	SAM	11/17/17 21:35	2X Dilution for Sulfate	Confirms
32	I6525-04DL	MW-12DL	SAM	11/17/17 22:04	2X Dilution for Sulfate	Confirms
33	I6525-01DL	MW-21DL	SAM	11/17/17 22:33	2X Dilution for Sulfate	Confirms
34	CCV3	CCV3	CCV	11/17/17 23:02		OK
35	CCB3	CCB3	CCB	11/17/17 23:31		OK
36	I6525-03DL	T71-MW7DL	SAM	11/18/17	2X Dilution for Sulfate	Confirms
37	I6525-09DL	T70-DW1DL	SAM	11/18/17 00:29	2X Dilution for Sulfate	Confirms
38	I6525-11DL	T71-MW5DL	SAM	11/18/17 00:58	2X Dilution for Sulfate	Confirms
39	CCV4	CCV4	CCV	11/18/17 01:27		OK
40	CCB4	CCB4	CCB	11/18/17 01:56		OK



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Report of Analysis

Client:		Date Collected:	11/15/2017 12:00:00 AM
Project:	LB91675	Date Received:	11/17/2017 12:00:00 AM
Client Sample ID:	MW-21	SDG No.:	LB91675
Lab Sample ID:	I6525-01	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	1.3		1	0.066		0.5	mg/L		11/17/2017	300.0
	Chloride	280	OR	1	0.075		0.15	mg/L		11/17/2017	300.0
	Fluoride	0	U	1	0.043		0.1	mg/L		11/17/2017	300.0
	Nitrate	3.9		1	0.027		0.13	mg/L		11/17/2017	300.0
	Nitrite	0	U	1	0.022		0.15	mg/L		11/17/2017	300.0
	Phosphorus, Ortho	0	U	1	0.01		0.25	mg/L		11/17/2017	300.0
	Sulfate	57	OR	1	0.13		0.75	mg/L		11/17/2017	300.0



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Report of Analysis

Client:		Date Collected:	11/15/2017 12:00:00 AM
Project:	LB91675	Date Received:	11/17/2017 12:00:00 AM
Client Sample ID:	MW-21DL	SDG No.:	LB91675
Lab Sample ID:	I6525-01DL	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	1.3	D	2	0.13		1	mg/L		11/17/2017	300.0
	Chloride	267	OR	2	0.15		0.3	mg/L		11/17/2017	300.0
	Fluoride	0	UD	2	0.086		0.2	mg/L		11/17/2017	300.0
	Nitrate	3.8	D	2	0.054		0.25	mg/L		11/17/2017	300.0
	Nitrite	0	UD	2	0.044		0.3	mg/L		11/17/2017	300.0
	Phosphorus, Ortho	0	UD	2	0.02		0.5	mg/L		11/17/2017	300.0
	Sulfate	54.8	D	2	0.26		1.5	mg/L		11/17/2017	300.0



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Report of Analysis

Client:		Date Collected:	11/15/2017 12:00:00 AM
Project:	LB91675	Date Received:	11/17/2017 12:00:00 AM
Client Sample ID:	MW-24	SDG No.:	LB91675
Lab Sample ID:	I6525-02	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	1.1		1	0.066		0.5	mg/L		11/17/2017	300.0
	Chloride	355	OR	1	0.075		0.15	mg/L		11/17/2017	300.0
	Fluoride	0	U	1	0.043		0.1	mg/L		11/17/2017	300.0
	Nitrate	3.6		1	0.027		0.13	mg/L		11/17/2017	300.0
	Nitrite	0	U	1	0.022		0.15	mg/L		11/17/2017	300.0
	Phosphorus, Ortho	0	U	1	0.01		0.25	mg/L		11/17/2017	300.0
	Sulfate	33.5		1	0.13		0.75	mg/L		11/17/2017	300.0



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Report of Analysis

Client:		Date Collected:	11/15/2017 12:00:00 AM
Project:	LB91675	Date Received:	11/17/2017 12:00:00 AM
Client Sample ID:	T71-MW7	SDG No.:	LB91675
Lab Sample ID:	I6525-03	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	4.9		1	0.066		0.5	mg/L		11/17/2017	300.0
	Chloride	301	OR	1	0.075		0.15	mg/L		11/17/2017	300.0
	Fluoride	0	U	1	0.043		0.1	mg/L		11/17/2017	300.0
	Nitrate	4		1	0.027		0.13	mg/L		11/17/2017	300.0
	Nitrite	0	U	1	0.022		0.15	mg/L		11/17/2017	300.0
	Phosphorus, Ortho	0	U	1	0.01		0.25	mg/L		11/17/2017	300.0
	Sulfate	41.3	OR	1	0.13		0.75	mg/L		11/17/2017	300.0



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Report of Analysis

Client:		Date Collected:	11/15/2017 12:00:00 AM
Project:	LB91675	Date Received:	11/17/2017 12:00:00 AM
Client Sample ID:	T71-MW7DL	SDG No.:	LB91675
Lab Sample ID:	I6525-03DL	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	2.2	D	2	0.13		1	mg/L		11/18/2017	300.0
	Chloride	296	OR	2	0.15		0.3	mg/L		11/18/2017	300.0
	Fluoride	0	UD	2	0.086		0.2	mg/L		11/18/2017	300.0
	Nitrate	3.8	D	2	0.054		0.25	mg/L		11/18/2017	300.0
	Nitrite	0	UD	2	0.044		0.3	mg/L		11/18/2017	300.0
	Phosphorus, Ortho	0	UD	2	0.02		0.5	mg/L		11/18/2017	300.0
	Sulfate	39.6	D	2	0.26		1.5	mg/L		11/18/2017	300.0



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Report of Analysis

Client:		Date Collected:	11/15/2017 12:00:00 AM
Project:	LB91675	Date Received:	11/17/2017 12:00:00 AM
Client Sample ID:	MW-12	SDG No.:	LB91675
Lab Sample ID:	I6525-04	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	1.7		1	0.066		0.5	mg/L		11/17/2017	300.0
	Chloride	569	OR	1	0.075		0.15	mg/L		11/17/2017	300.0
	Fluoride	0	U	1	0.043		0.1	mg/L		11/17/2017	300.0
	Nitrate	3.7		1	0.027		0.13	mg/L		11/17/2017	300.0
	Nitrite	0	U	1	0.022		0.15	mg/L		11/17/2017	300.0
	Phosphorus, Ortho	0	U	1	0.01		0.25	mg/L		11/17/2017	300.0
	Sulfate	37.7	OR	1	0.13		0.75	mg/L		11/17/2017	300.0



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Report of Analysis

Client:		Date Collected:	11/15/2017 12:00:00 AM
Project:	LB91675	Date Received:	11/17/2017 12:00:00 AM
Client Sample ID:	MW-12DL	SDG No.:	LB91675
Lab Sample ID:	I6525-04DL	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	1.7	D	2	0.13		1	mg/L		11/17/2017	300.0
	Chloride	548	OR	2	0.15		0.3	mg/L		11/17/2017	300.0
	Fluoride	0	UD	2	0.086		0.2	mg/L		11/17/2017	300.0
	Nitrate	3.7	D	2	0.054		0.25	mg/L		11/17/2017	300.0
	Nitrite	0	UD	2	0.044		0.3	mg/L		11/17/2017	300.0
	Phosphorus, Ortho	0	UD	2	0.02		0.5	mg/L		11/17/2017	300.0
	Sulfate	37.7	D	2	0.26		1.5	mg/L		11/17/2017	300.0



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Report of Analysis

Client:		Date Collected:	11/15/2017 12:00:00 AM
Project:	LB91675	Date Received:	11/17/2017 12:00:00 AM
Client Sample ID:	MW-20	SDG No.:	LB91675
Lab Sample ID:	I6525-05	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	1.4		1	0.066		0.5	mg/L		11/17/2017	300.0
	Chloride	302	OR	1	0.075		0.15	mg/L		11/17/2017	300.0
	Fluoride	0	U	1	0.043		0.1	mg/L		11/17/2017	300.0
	Nitrate	4.1		1	0.027		0.13	mg/L		11/17/2017	300.0
	Nitrite	0	U	1	0.022		0.15	mg/L		11/17/2017	300.0
	Phosphorus, Ortho	0	U	1	0.01		0.25	mg/L		11/17/2017	300.0
	Sulfate	49.6	OR	1	0.13		0.75	mg/L		11/17/2017	300.0



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Report of Analysis

Client:		Date Collected:	11/15/2017 12:00:00 AM
Project:	LB91675	Date Received:	11/17/2017 12:00:00 AM
Client Sample ID:	MW-20DL	SDG No.:	LB91675
Lab Sample ID:	I6525-05DL	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	D	2	0.13		1	mg/L		11/17/2017	300.0
	Chloride	299	OR	2	0.15		0.3	mg/L		11/17/2017	300.0
	Fluoride	0	UD	2	0.086		0.2	mg/L		11/17/2017	300.0
	Nitrate	4	D	2	0.054		0.25	mg/L		11/17/2017	300.0
	Nitrite	0	UD	2	0.044		0.3	mg/L		11/17/2017	300.0
	Phosphorus, Ortho	0	UD	2	0.02		0.5	mg/L		11/17/2017	300.0
	Sulfate	47.9	D	2	0.26		1.5	mg/L		11/17/2017	300.0



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Report of Analysis

Client:		Date Collected:	11/15/2017 12:00:00 AM
Project:	LB91675	Date Received:	11/17/2017 12:00:00 AM
Client Sample ID:	MW-11	SDG No.:	LB91675
Lab Sample ID:	I6525-06	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	1.3		1	0.066		0.5	mg/L		11/17/2017	300.0
	Chloride	341	OR	1	0.075		0.15	mg/L		11/17/2017	300.0
	Fluoride	0	U	1	0.043		0.1	mg/L		11/17/2017	300.0
	Nitrate	4.2		1	0.027		0.13	mg/L		11/17/2017	300.0
	Nitrite	0	U	1	0.022		0.15	mg/L		11/17/2017	300.0
	Phosphorus, Ortho	0	U	1	0.01		0.25	mg/L		11/17/2017	300.0
	Sulfate	36.2		1	0.13		0.75	mg/L		11/17/2017	300.0



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Report of Analysis

Client:		Date Collected:	11/16/2017 12:00:00 AM
Project:	LB91675	Date Received:	11/17/2017 12:00:00 AM
Client Sample ID:	T70-DW1	SDG No.:	LB91675
Lab Sample ID:	I6525-09	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	1.4		1	0.066		0.5	mg/L		11/17/2017	300.0
	Chloride	323	OR	1	0.075		0.15	mg/L		11/17/2017	300.0
	Fluoride	0	U	1	0.043		0.1	mg/L		11/17/2017	300.0
	Nitrate	4.2		1	0.027		0.13	mg/L		11/17/2017	300.0
	Nitrite	0	U	1	0.022		0.15	mg/L		11/17/2017	300.0
	Phosphorus, Ortho	0	U	1	0.01		0.25	mg/L		11/17/2017	300.0
	Sulfate	43.5	OR	1	0.13		0.75	mg/L		11/17/2017	300.0



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Report of Analysis

Client:		Date Collected:	11/16/2017 12:00:00 AM
Project:	LB91675	Date Received:	11/17/2017 12:00:00 AM
Client Sample ID:	T70-DW1DL	SDG No.:	LB91675
Lab Sample ID:	I6525-09DL	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	1.3	D	2	0.13		1	mg/L		11/18/2017	300.0
	Chloride	311	OR	2	0.15		0.3	mg/L		11/18/2017	300.0
	Fluoride	0	UD	2	0.086		0.2	mg/L		11/18/2017	300.0
	Nitrate	4	D	2	0.054		0.25	mg/L		11/18/2017	300.0
	Nitrite	0	UD	2	0.044		0.3	mg/L		11/18/2017	300.0
	Phosphorus, Ortho	0	UD	2	0.02		0.5	mg/L		11/18/2017	300.0
	Sulfate	42.7	D	2	0.26		1.5	mg/L		11/18/2017	300.0



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Report of Analysis

Client:		Date Collected:	11/16/2017 12:00:00 AM
Project:	LB91675	Date Received:	11/17/2017 12:00:00 AM
Client Sample ID:	T71-MW5	SDG No.:	LB91675
Lab Sample ID:	I6525-11	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	2.8		1	0.066		0.5	mg/L		11/17/2017	300.0
	Chloride	316	OR	1	0.075		0.15	mg/L		11/17/2017	300.0
	Fluoride	0	U	1	0.043		0.1	mg/L		11/17/2017	300.0
	Nitrate	4.1		1	0.027		0.13	mg/L		11/17/2017	300.0
	Nitrite	0	U	1	0.022		0.15	mg/L		11/17/2017	300.0
	Phosphorus, Ortho	0	U	1	0.01		0.25	mg/L		11/17/2017	300.0
	Sulfate	39.9	OR	1	0.13		0.75	mg/L		11/17/2017	300.0



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Report of Analysis

Client:		Date Collected:	11/16/2017 12:00:00 AM
Project:	LB91675	Date Received:	11/17/2017 12:00:00 AM
Client Sample ID:	T71-MW5DL	SDG No.:	LB91675
Lab Sample ID:	I6525-11DL	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	1.8	D	2	0.13		1	mg/L		11/18/2017	300.0
	Chloride	305	OR	2	0.15		0.3	mg/L		11/18/2017	300.0
	Fluoride	0	UD	2	0.086		0.2	mg/L		11/18/2017	300.0
	Nitrate	3.9	D	2	0.054		0.25	mg/L		11/18/2017	300.0
	Nitrite	0	UD	2	0.044		0.3	mg/L		11/18/2017	300.0
	Phosphorus, Ortho	0	UD	2	0.02		0.5	mg/L		11/18/2017	300.0
	Sulfate	37.9	D	2	0.26		1.5	mg/L		11/18/2017	300.0



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Report of Analysis

Client:		Date Collected:	11/16/2017 12:00:00 AM
Project:	LB91675	Date Received:	11/17/2017 12:00:00 AM
Client Sample ID:	MW-18	SDG No.:	LB91675
Lab Sample ID:	I6525-12	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	1.3		1	0.066		0.5	mg/L		11/17/2017	300.0
	Chloride	450	OR	1	0.075		0.15	mg/L		11/17/2017	300.0
	Fluoride	0	U	1	0.043		0.1	mg/L		11/17/2017	300.0
	Nitrate	2.8		1	0.027		0.13	mg/L		11/17/2017	300.0
	Nitrite	0	U	1	0.022		0.15	mg/L		11/17/2017	300.0
	Phosphorus, Ortho	0	U	1	0.01		0.25	mg/L		11/17/2017	300.0
	Sulfate	37.2		1	0.13		0.75	mg/L		11/17/2017	300.0



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Report of Analysis

Client:		Date Collected:	11/16/2017 12:00:00 AM
Project:	LB91675	Date Received:	11/17/2017 12:00:00 AM
Client Sample ID:	T71-MW4	SDG No.:	LB91675
Lab Sample ID:	I6525-13	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	2		1	0.066		0.5	mg/L		11/17/2017	300.0
	Chloride	1230	OR	1	0.075		0.15	mg/L		11/17/2017	300.0
	Fluoride	0	U	1	0.043		0.1	mg/L		11/17/2017	300.0
	Nitrate	3.9		1	0.027		0.13	mg/L		11/17/2017	300.0
	Nitrite	0	U	1	0.022		0.15	mg/L		11/17/2017	300.0
	Phosphorus, Ortho	0	U	1	0.01		0.25	mg/L		11/17/2017	300.0
	Sulfate	30.3		1	0.13		0.75	mg/L		11/17/2017	300.0



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Report of Analysis

Client:		Date Collected:	11/17/2017 12:00:00 AM
Project:	LB91675	Date Received:	11/17/2017 12:00:00 AM
Client Sample ID:	MW-17	SDG No.:	LB91675
Lab Sample ID:	I6536-02	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	2.2		1	0.066		0.5	mg/L		11/17/2017	300.0
	Chloride	756	OR	1	0.075		0.15	mg/L		11/17/2017	300.0
	Fluoride	0	U	1	0.043		0.1	mg/L		11/17/2017	300.0
	Nitrate	0.18		1	0.027		0.13	mg/L		11/17/2017	300.0
	Nitrite	0	U	1	0.022		0.15	mg/L		11/17/2017	300.0
	Phosphorus, Ortho	0	U	1	0.01		0.25	mg/L		11/17/2017	300.0
	Sulfate	31.5		1	0.13		0.75	mg/L		11/17/2017	300.0



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Report of Analysis

Client:		Date Collected:	11/17/2017 12:00:00 AM
Project:	LB91675	Date Received:	11/17/2017 12:00:00 AM
Client Sample ID:	MW-10	SDG No.:	LB91675
Lab Sample ID:	I6536-04	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	1.7		1	0.066		0.5	mg/L		11/17/2017	300.0
	Chloride	331	OR	1	0.075		0.15	mg/L		11/17/2017	300.0
	Fluoride	0.12		1	0.043		0.1	mg/L		11/17/2017	300.0
	Nitrate	6.1		1	0.027		0.13	mg/L		11/17/2017	300.0
	Nitrite	0	U	1	0.022		0.15	mg/L		11/17/2017	300.0
	Phosphorus, Ortho	0	U	1	0.01		0.25	mg/L		11/17/2017	300.0
	Sulfate	35		1	0.13		0.75	mg/L		11/17/2017	300.0



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Report of Analysis

Client:		Date Collected:	11/17/2017 12:00:00 AM
Project:	LB91675	Date Received:	11/17/2017 12:00:00 AM
Client Sample ID:	MW-16	SDG No.:	LB91675
Lab Sample ID:	I6536-05	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	1.4		1	0.066		0.5	mg/L		11/17/2017	300.0
	Chloride	338	OR	1	0.075		0.15	mg/L		11/17/2017	300.0
	Fluoride	0	U	1	0.043		0.1	mg/L		11/17/2017	300.0
	Nitrate	3.1		1	0.027		0.13	mg/L		11/17/2017	300.0
	Nitrite	0	U	1	0.022		0.15	mg/L		11/17/2017	300.0
	Phosphorus, Ortho	0	U	1	0.01		0.25	mg/L		11/17/2017	300.0
	Sulfate	32.8		1	0.13		0.75	mg/L		11/17/2017	300.0



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Report of Analysis

Client:		Date Collected:	11/17/2017 12:00:00 AM
Project:	LB91675	Date Received:	11/17/2017 12:00:00 AM
Client Sample ID:	MW-16	SDG No.:	LB91675
Lab Sample ID:	I6536-05	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

Sample ID	Analyte	Result	True Value	%	% RSD	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
		mg/L								
ICV1	Bromide	9.9	10	99	0	90 - 110		11/07/2017	15:12	LB91675
	Chloride	3	3	100	0	90 - 110		11/07/2017	15:12	LB91675
	Fluoride	2.1	2	105	0	90 - 110		11/07/2017	15:12	LB91675
	Phosphorus, Ortho	5.2	5	104	0	90 - 110		11/07/2017	15:12	LB91675
	Nitrite	2.9	3	96.7	0	90 - 110		11/07/2017	15:12	LB91675
	Nitrate	2.4	2.5	96	0	90 - 110		11/07/2017	15:12	LB91675
	Sulfate	14.2	15	94.7	0	90 - 110		11/07/2017	15:12	LB91675

GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB91675

SDG No.: LB91675

Contract: _____ **Lab Code:** CHEM

Case No.: LB91675

SAS No.: LB91675

Initial Calibration Source:

Continuing Calibration Source:

Sample ID	Analyte	Result	True Value	%	%	Acceptance	M	Analysis	Analysis	Run
		mg/L								
CCV1	Bromide	10.3	10	103	0	90 - 110		11/17/2017	10:59	LB91675
	Chloride	2.9	3	96.7	0	90 - 110		11/17/2017	10:59	LB91675
	Fluoride	2	2	100	0	90 - 110		11/17/2017	10:59	LB91675
	Phosphorus, Ortho	4.4	5	88	0	90 - 110		11/17/2017	10:59	LB91675
	Nitrite	2.9	3	96.7	0	90 - 110		11/17/2017	10:59	LB91675
	Nitrate	2.4	2.5	96	0	90 - 110		11/17/2017	10:59	LB91675
	Sulfate	14.5	15	96.7	0	90 - 110		11/17/2017	10:59	LB91675
CCV2	Bromide	10.4	10	104	0	90 - 110		11/17/2017	17:15	LB91675
	Chloride	2.9	3	96.7	0	90 - 110		11/17/2017	17:15	LB91675
	Fluoride	2.1	2	105	0	90 - 110		11/17/2017	17:15	LB91675
	Phosphorus, Ortho	3.9	5	78	0	90 - 110		11/17/2017	17:15	LB91675
	Nitrite	2.9	3	96.7	0	90 - 110		11/17/2017	17:15	LB91675
	Nitrate	2.5	2.5	100	0	90 - 110		11/17/2017	17:15	LB91675
	Sulfate	14.3	15	95.3	0	90 - 110		11/17/2017	17:15	LB91675
CCV3	Bromide	10.4	10	104	0	90 - 110		11/17/2017	23:02	LB91675
	Chloride	3	3	100	0	90 - 110		11/17/2017	23:02	LB91675
	Fluoride	2.1	2	105	0	90 - 110		11/17/2017	23:02	LB91675
	Phosphorus, Ortho	3.6	5	72	0	90 - 110		11/17/2017	23:02	LB91675
	Nitrite	3	3	100	0	90 - 110		11/17/2017	23:02	LB91675
	Nitrate	2.4	2.5	96	0	90 - 110		11/17/2017	23:02	LB91675
	Sulfate	14.4	15	96	0	90 - 110		11/17/2017	23:02	LB91675
CCV4	Bromide	10.4	10	104	0	90 - 110		11/18/2017	01:27	LB91675
	Chloride	3	3	100	0	90 - 110		11/18/2017	01:27	LB91675
	Fluoride	2.2	2	110	0	90 - 110		11/18/2017	01:27	LB91675
	Phosphorus, Ortho	4.2	5	84	0	90 - 110		11/18/2017	01:27	LB91675
	Nitrite	3	3	100	0	90 - 110		11/18/2017	01:27	LB91675
	Nitrate	2.4	2.5	96	0	90 - 110		11/18/2017	01:27	LB91675
	Sulfate	14.6	15	97.3	0	90 - 110		11/18/2017	01:27	LB91675



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB91675

SDG No.: LB91675

Contract: Lab Code: CHEM

Case No.: LB91675

SAS No.: LB91675

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		11/07/2017	15:42	LB91675
	Chloride	0.075	+/-0.15	U		0.15		11/07/2017	15:42	LB91675
	Fluoride	0.043	+/-0.1	U		0.1		11/07/2017	15:42	LB91675
	Phosphorus, Ortho	0.01	+/-0.25	U		0.25		11/07/2017	15:42	LB91675
	Nitrite	0.022	+/-0.15	U		0.15		11/07/2017	15:42	LB91675
	Nitrate	0.027	+/-0.13	U		0.13		11/07/2017	15:42	LB91675
	Sulfate	0.13	+/-0.75	U		0.75		11/07/2017	15:42	LB91675



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB91675

SDG No.: LB91675

Contract:

Lab Code: CHEM

Case No.: LB91675

SAS No.: LB91675

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		11/17/2017	11:28	LB91675
	Chloride	0.075	+/-0.15	U		0.15		11/17/2017	11:28	LB91675
	Fluoride	0.043	+/-0.1	U		0.1		11/17/2017	11:28	LB91675
	Phosphorus, Ortho	0.01	+/-0.25	U		0.25		11/17/2017	11:28	LB91675
	Nitrite	0.022	+/-0.15	U		0.15		11/17/2017	11:28	LB91675
	Nitrate	0.027	+/-0.13	U		0.13		11/17/2017	11:28	LB91675
	Sulfate	0.13	+/-0.75	U		0.75		11/17/2017	11:28	LB91675
CCB2	Bromide	0.066	+/-0.5	U		0.5		11/17/2017	17:44	LB91675
	Chloride	0.075	+/-0.15	U		0.15		11/17/2017	17:44	LB91675
	Fluoride	0.043	+/-0.1	U		0.1		11/17/2017	17:44	LB91675
	Phosphorus, Ortho	0.01	+/-0.25	U		0.25		11/17/2017	17:44	LB91675
	Nitrite	0.022	+/-0.15	U		0.15		11/17/2017	17:44	LB91675
	Nitrate	0.027	+/-0.13	U		0.13		11/17/2017	17:44	LB91675
	Sulfate	0.13	+/-0.75	U		0.75		11/17/2017	17:44	LB91675
CCB3	Bromide	0.066	+/-0.5	U		0.5		11/17/2017	23:31	LB91675
	Chloride	0.075	+/-0.15	U		0.15		11/17/2017	23:31	LB91675
	Fluoride	0.043	+/-0.1	U		0.1		11/17/2017	23:31	LB91675
	Phosphorus, Ortho	0.01	+/-0.25	U		0.25		11/17/2017	23:31	LB91675
	Nitrite	0.022	+/-0.15	U		0.15		11/17/2017	23:31	LB91675
	Nitrate	0.027	+/-0.13	U		0.13		11/17/2017	23:31	LB91675
	Sulfate	0.13	+/-0.75	U		0.75		11/17/2017	23:31	LB91675
CCB4	Bromide	0.066	+/-0.5	U		0.5		11/18/2017	01:56	LB91675
	Chloride	0.075	+/-0.15	U		0.15		11/18/2017	01:56	LB91675
	Fluoride	0.043	+/-0.1	U		0.1		11/18/2017	01:56	LB91675
	Phosphorus, Ortho	0.01	+/-0.25	U		0.25		11/18/2017	01:56	LB91675
	Nitrite	0.022	+/-0.15	U		0.15		11/18/2017	01:56	LB91675
	Nitrate	0.027	+/-0.13	U		0.13		11/18/2017	01:56	LB91675
	Sulfate	0.13	+/-0.75	U		0.75		11/18/2017	01:56	LB91675



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB91675

SDG No.: LB91675

Contract: Lab Code: CHEM

Case No.: LB91675

SAS No.: LB91675

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: LB91675

SDG No.: LB91675

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
LB91675BLW		WATER		Batch Number:				Prep Date:		
	Bromide	0.066	<0.5	U		0.5		11/17/2017	12:04	LB91675
	Chloride	0.075	<0.15	U		0.15		11/17/2017	12:04	LB91675
	Fluoride	0.043	<0.1	U		0.1		11/17/2017	12:04	LB91675
	Phosphorus, Ortho	0.01	<0.25	U		0.25		11/17/2017	12:04	LB91675
	Nitrite	0.022	<0.15	U		0.15		11/17/2017	12:04	LB91675
	Nitrate	0.027	<0.13	U		0.13		11/17/2017	12:04	LB91675
	Sulfate	0.13	<0.75	U		0.75		11/17/2017	12:04	LB91675



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB91675 **level:** low **sdg no.:** LB91675
contract: _____ **lab code:** CHEM **case no.:** LB91675 **sas no.:** LB91675
matrix: WATER **sample id:** I6525-04 **client id:** MW-12MS
Percent Solids for Sample: 0 **Spiked ID:** I6525-04MS **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance	Spiked	Sample		Spike	%	Qual	M
		Limit %R	Result	C	Result	C	Added	Recovery	
Bromide	mg/L	80 - 120	12.4		1.7		10	107	
Chloride	mg/L	80 - 120	512	OR	569	OR	3	-1900	*
Fluoride	mg/L	80 - 120	2.2		0.043	U	2	110	
Phosphorus, Ortho	mg/L	80 - 120	4.3		0.01	U	5	86	
Nitrite	mg/L	80 - 120	2.3		0.022	U	3	76.7	*
Nitrate	mg/L	80 - 120	7.1	OR	3.7		2.5	136	*
Sulfate	mg/L	80 - 120	73.2	OR	37.7	OR	15	237	*

GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB91675 **Level:** LOW **SDG No.:** LB91675
Contract: **Lab Code:** CHEM **Case No.:** LB91675 **SAS No.:** LB91675
Matrix: WATER **Sample ID:** I6525-04 **Client ID:** MW-12DUP
Percent Solids for Sample: 0 **Duplicate ID** I6525-04DUP **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Bromide	mg/L	20	1.7		1.8		6		
Chloride	mg/L	20	569	OR	586	OR	3		
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	3.7		3.8		3		
Sulfate	mg/L	20	37.7	OR	38.1	OR	1		



GENCHEM

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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB91675

SDG No.: LB91675

Contract:

Lab Code: CHEM

Case No.: LB91675

SAS No.: LB91675

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
LB91675BSW							
Bromide	mg/L	10	9.9		99	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	5.6		112	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	14.2		94.7	90 - 110	
