

Daily Analysis Runlog For Sequence/QC Batch ID # LB92333

Review By		Review On				
SubDirectory		LB92333		Test : Anions		
STD. NAME		STD REF.#				
ICAL Standard		WP60207,WP60208,WP60209,WP60210,WP60211,WP60212,WP60213				
ICV Standard		WP60214				
CCV Standard		WP60435				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP60436				
Chk Standard		WP60017,WP60019				
Sr#	SampleId	ClientID	QcType	Date	Comment	Status
1	STD1	STD1	CAL1	12/08/17 10:06		OK
2	STD2	STD2	CAL2	12/08/17 10:49		OK
3	STD3	STD3	CAL3	12/08/17 11:20		OK
4	STD4	STD4	CAL4	12/08/17 11:51		OK
5	STD5	STD5	CAL5	12/08/17 12:22		OK
6	STD6	STD6	CAL6	12/08/17 12:53		OK
7	STD7	STD7	CAL7	12/08/17 13:23		OK
8	ICV1	ICV1	ICV	12/08/17 13:54		OK
9	ICB1	ICB1	ICB	12/08/17 14:47		OK
10	CCV1	CCV1	CCV	12/21/17 13:48		OK
11	CCB1	CCB1	CCB	12/21/17 14:19		OK
12	LB92333BLW	LB92333BLW	MB	12/21/17 14:50		OK
13	LB92333BSW	LB92333BSW	LCS	12/21/17 15:21		OK
14	I7025-01	MW-3S	SAM	12/21/17 15:52	Chlordie High	Dilution
15	I7025-02	MW-3D	SAM	12/21/17 16:23	Chlordie High	Dilution
16	I7025-03	MW-4D	SAM	12/21/17 16:54	Chlordie & Sulfate High, Chloride still High	Dilution
17	I7025-04	MW-22S	SAM	12/21/17 17:25	Chlordie High	Dilution
18	I7025-05	MW-22D	SAM	12/21/17 17:56	Chlordie High	Dilution
19	I7025-07	MW-23S	SAM	12/21/17 18:27	Chlordie High	Dilution
20	I7025-08	MW-26	SAM	12/21/17 18:57	Chlordie High	Dilution

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SubDirectory		LB92333		Test : Anions		
STD. NAME		STD REF.#				
ICAL Standard		WP60207,WP60208,WP60209,WP60210,WP60211,WP60212,WP60213				
ICV Standard		WP60214				
CCV Standard		WP60435				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP60436				
Chk Standard		WP60017,WP60019				
21	I7025-09	MW-27S	SAM	12/21/17 19:28	Chlordie High	Dilution
22	CCV2	CCV2	CCV	12/21/17 19:59		OK
23	CCB2	CCB2	CCB	12/21/17 20:30		OK
24	I7025-10	MW-29	SAM	12/21/17 21:01	Chlordie High	Dilution
25	I7025-11	MW-30V	SAM	12/21/17 21:32	Chlordie High	Dilution
26	I7025-11DUP	MW-30VDUP	DUP	12/21/17 22:03		OK
27	I7025-11MS	MW-30VMS	MS	12/21/17 22:34		OK
28	CCV3	CCV3	CCV	12/21/17 23:05		OK
29	CCB3	CCB3	CCB	12/21/17 23:36		OK
30	CCV4	CCV4	CCV	12/22/17 09:06		OK
31	CCB4	CCB4	CCB	12/22/17 09:37		OK
32	LB92333BLW2	LB92333BLW2	MB	12/22/17 10:08		OK
33	LB92333BSW2	LB92333BSW2	LCS	12/22/17 10:39		OK
34	I7025-01DL	MW-3SDL	SAM	12/22/17 11:12	20X For Chloride	Confirms
35	I7025-02DL	MW-3DDL	SAM	12/22/17 11:42	20X For Chloride	Confirms
36	I7025-03DL	MW-4DDL	SAM	12/22/17 12:13	2X For Sulfate	Confirms
37	I7025-03DL2	MW-4DDL2	SAM	12/22/17 12:44	20X For Chloride	Confirms
38	I7025-04DL	MW-22SDL	SAM	12/22/17 13:15	50X For Chloride	Confirms
39	I7051-01	MW-6S	SAM	12/22/17 13:46	Chlordie & Sulfate High, Chloride still High	Dilution
40	I7051-02	MW-6D	SAM	12/22/17 14:17	Chlordie High	Dilution
41	I7051-03	MW-10D	SAM	12/22/17 14:48	Chlordie High	Dilution
42	CCV5	CCV5	CCV	12/22/17 15:19		OK

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SubDirectory		LB92333		Test : Anions		
STD. NAME		STD REF.#				
ICAL Standard		WP60207,WP60208,WP60209,WP60210,WP60211,WP60212,WP60213				
ICV Standard		WP60214				
CCV Standard		WP60435				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP60436				
Chk Standard		WP60017,WP60019				
43	CCB5	CCB5	CCB	12/22/17 15:55		OK
44	I7051-04	MW-21D	SAM	12/22/17 16:26	Chlordie High	Dilution
45	I7051-05	MW-21S	SAM	12/22/17 16:57	Chlordie & Sulfate High, Chloride still High	Dilution
46	I7052-01	MW-10S	SAM	12/22/17 17:28	Chlordie & Sulfate High, Chloride still High	Dilution
47	I7052-03	MW-23D	SAM	12/22/17 17:59	Chlordie High	Dilution
48	I7052-04	MW-24S	SAM	12/22/17 18:29	Chlordie High	Dilution
49	I7052-05	MW-24D	SAM	12/22/17 19:00	Chlordie & Sulfate High, Chloride still High	Dilution
50	I7052-06	MW-25S	SAM	12/22/17 19:31	Chlordie High	Dilution
51	I7052-07	MW-25D	SAM	12/22/17 20:02	Chlordie & Sulfate High, Chloride still High	Dilution
52	I7051-05DUP	MW-21SDUP	DUP	12/22/17 20:33		OK
53	I7051-05MS	MW-21SMS	MS	12/22/17 21:04		OK
54	CCV6	CCV6	CCV	12/22/17 21:35		OK
55	CCB6	CCB6	CCB	12/22/17 22:06		OK
56	LB92333BLW3	LB92333BLW3	MB	12/22/17 22:37		OK
57	LB92333BSW3	LB92333BSW3	LCS	12/22/17 23:08		OK
58	I7054-01	MW-1	SAM	12/22/17 23:39	Chlordie & Sulfate High, Chloride still High	Dilution
59	I7054-02	MW-3	SAM	12/23/17 00:09	Chlordie & Sulfate High, Chloride still High	Dilution
60	I7054-03	MW-4	SAM	12/23/17 00:40	Chlordie & Sulfate High, Chloride still High	Dilution
61	I7054-04	MW-2	SAM	12/23/17 01:11	Chlordie & Sulfate High, Chloride still High	Dilution

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ICAL Standard		WP60207,WP60208,WP60209,WP60210,WP60211,WP60212,WP60213				
ICV Standard		WP60214				
CCV Standard		WP60435				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP60436				
Chk Standard		WP60017,WP60019				
62	I7054-04DUP	MW-2DUP	DUP	12/23/17 01:42		OK
63	I7054-04MS	MW-2MS	MS	12/23/17 02:13		OK
64	I7025-05DL	MW-22DDL	SAM	12/23/17 02:44	20X For Chloride	Confirms
65	I7025-07DL	MW-23SDL	SAM	12/23/17 03:15	100X For Chloride	Confirms
66	CCV7	CCV7	CCV	12/23/17 03:46		OK
67	CCB7	CCB7	CCB	12/23/17 04:17		OK
68	I7025-08DL	MW-26DL	SAM	12/23/17 04:48	20X For Chloride	Confirms
69	I7025-09DL	MW-27SDL	SAM	12/23/17 05:19	200X For Chloride	Confirms
70	I7025-10DL	MW-29DL	SAM	12/23/17 05:49	200X For Chloride	Confirms
71	I7025-11DL	MW-30VDL	SAM	12/23/17 06:20	50X For Chloride	Confirms
72	I7051-01DL	MW-6SDL	SAM	12/23/17 06:51	10X For Sulfate	Confirms
73	I7051-01DL2	MW-6SDL2	SAM	12/23/17 07:22	500X For Chloride	Confirms
74	I7051-02DL	MW-6DDL	SAM	12/23/17 07:53	200X For Chloride	Confirms
75	I7051-03DL	MW-10DDL	SAM	12/23/17 08:24	500X For Chloride	Confirms
76	I7051-04DL	MW-21DDL	SAM	12/23/17 08:55	20X For Chloride	Confirms
77	CCV8	CCV8	CCV	12/23/17 09:26		OK
78	CCB8	CCB8	CCB	12/23/17 09:57		OK
79	CCV9	CCV9	CCV	12/26/17 09:39		OK
80	CCB9	CCB9	CCB	12/26/17 10:10		OK
81	LB92333BLW4	LB92333BLW4	MB	12/26/17 10:40		OK
82	LB92333BSW4	LB92333BSW4	LCS	12/26/17 11:10		OK
83	I7051-05DL	MW-21SDL	SAM	12/26/17 11:40	5X For Sulfate	Confirms

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STD. NAME		STD REF.#				
ICAL Standard		WP60207,WP60208,WP60209,WP60210,WP60211,WP60212,WP60213				
ICV Standard		WP60214				
CCV Standard		WP60435				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP60436				
Chk Standard		WP60017,WP60019				
84	I7051-05DL2	MW-21SDL2	SAM	12/26/17 12:10	200X For Chloride	Confirms
85	I7052-01DL	MW-10SDL	SAM	12/26/17 12:40	10X For Sulfate	Confirms
86	I7052-01DL2	MW-10SDL2	SAM	12/26/17 13:10	200X For Chloride	Confirms
87	I7052-03DL	MW-23DDL	SAM	12/26/17 13:40	50X For Chloride	Confirms
88	I7052-04DL	MW-24SDL	SAM	12/26/17 14:10	20X For Chloride	Confirms
89	I7052-05DL	MW-24DDL	SAM	12/26/17 14:40	5X For Sulfate	Confirms
90	I7052-05DL2	MW-24DDL2	SAM	12/26/17 15:09	50X For Chloride	Confirms
91	CCV10	CCV10	CCV	12/26/17 15:39		OK
92	CCB10	CCB10	CCB	12/26/17 16:09		OK
93	I7052-06DL	MW-25SDL	SAM	12/26/17 16:39	100X For Chloride	Confirms
94	I7052-07DL	MW-25DDL	SAM	12/26/17 17:09	5X For Sulfate	Confirms
95	I7052-07DL2	MW-25DDL2	SAM	12/26/17 17:39	100X For Chloride	Confirms
96	I7054-01DL	MW-1DL	SAM	12/26/17 18:09	2X For Sulfate	Confirms
97	I7054-01DL2	MW-1DL2	SAM	12/26/17 18:39	50X For Chloride	Confirms
98	I7054-02DL	MW-3DL	SAM	12/26/17 19:09	2X For Sulfate	Confirms
99	I7054-02DL2	MW-3DL2	SAM	12/26/17 19:39	200X For Chloride	Confirms
100	I7054-03DL	MW-4DL	SAM	12/26/17 20:09	2X For Sulfate	Confirms
101	I7054-03DL2	MW-4DL2	SAM	12/26/17 20:39	100X For Chloride	Confirms
102	I7054-04DL	MW-2DL	SAM	12/26/17 21:08	2X For Sulfate	Confirms
103	CCV11	CCV11	CCV	12/26/17 21:38		OK
104	CCB11	CCB11	CCB	12/26/17 22:08		OK
105	I7054-04DL2	MW-2DL2	SAM	12/26/17 22:38	100X For Chloride	Confirms



Instrument ID : IC-1

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SubDirectory		Test : Anions				
LB92333						
STD. NAME		STD REF.#				
ICAL Standard		WP60207,WP60208,WP60209,WP60210,WP60211,WP60212,WP60213				
ICV Standard		WP60214				
CCV Standard		WP60435				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP60436				
Chk Standard		WP60017,WP60019				
106	CCV12	CCV12	CCV	12/26/17 23:08		OK
107	CCB12	CCB12	CCB	12/26/17 23:38		OK



Report of Analysis

Client:		Date Collected:	12/20/2017 12:00:00 AM
Project:	LB92333	Date Received:	12/21/2017 12:00:00 AM
Client Sample ID:	MW-3S	SDG No.:	LB92333
Lab Sample ID:	I7025-01	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		12/21/2017	300.0
	Chloride	91.6	OR	1	0.075		0.15	mg/L		12/21/2017	300.0
	Fluoride	0.23		1	0.043		0.1	mg/L		12/21/2017	300.0
	Nitrate	0	U	1	0.027		0.13	mg/L		12/21/2017	300.0
	Nitrite	0	U	1	0.022		0.15	mg/L		12/21/2017	300.0
	Phosphorus, Ortho	0	U	1	0.01		0.25	mg/L		12/21/2017	300.0
	Sulfate	21.9		1	0.13		0.75	mg/L		12/21/2017	300.0



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Report of Analysis

Client:		Date Collected:	12/20/2017 12:00:00 AM
Project:	LB92333	Date Received:	12/21/2017 12:00:00 AM
Client Sample ID:	MW-3SDL	SDG No.:	LB92333
Lab Sample ID:	I7025-01DL	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		12/22/2017	300.0
	Chloride	69.6	D	20	1.5		3	mg/L		12/22/2017	300.0
	Fluoride	0	UD	20	0.86		2	mg/L		12/22/2017	300.0
	Nitrate	0	UD	20	0.54		2.5	mg/L		12/22/2017	300.0
	Nitrite	0	UD	20	0.44		3	mg/L		12/22/2017	300.0
	Phosphorus, Ortho	0	UD	20	0.2		5	mg/L		12/22/2017	300.0
	Sulfate	32.6	D	20	2.6		15	mg/L		12/22/2017	300.0



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Report of Analysis

Client:		Date Collected:	12/20/2017 12:00:00 AM
Project:	LB92333	Date Received:	12/21/2017 12:00:00 AM
Client Sample ID:	MW-3D	SDG No.:	LB92333
Lab Sample ID:	I7025-02	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	0	U	1	0.066		0.5	mg/L		12/21/2017	300.0
	Chloride	79.2	OR	1	0.075		0.15	mg/L		12/21/2017	300.0
	Fluoride	0.32		1	0.043		0.1	mg/L		12/21/2017	300.0
	Nitrate	0.14		1	0.027		0.13	mg/L		12/21/2017	300.0
	Nitrite	0	U	1	0.022		0.15	mg/L		12/21/2017	300.0
	Phosphorus, Ortho	0	U	1	0.01		0.25	mg/L		12/21/2017	300.0
	Sulfate	11		1	0.13		0.75	mg/L		12/21/2017	300.0



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Report of Analysis

Client:		Date Collected:	12/20/2017 12:00:00 AM
Project:	LB92333	Date Received:	12/21/2017 12:00:00 AM
Client Sample ID:	MW-3DDL	SDG No.:	LB92333
Lab Sample ID:	I7025-02DL	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	20	1.3		10	mg/L		12/22/2017	300.0
	Chloride	60.6	D	20	1.5		3	mg/L		12/22/2017	300.0
	Fluoride	0	UD	20	0.86		2	mg/L		12/22/2017	300.0
	Nitrate	0	UD	20	0.54		2.5	mg/L		12/22/2017	300.0
	Nitrite	0	UD	20	0.44		3	mg/L		12/22/2017	300.0
	Phosphorus, Ortho	0	UD	20	0.2		5	mg/L		12/22/2017	300.0
	Sulfate	22.8	D	20	2.6		15	mg/L		12/22/2017	300.0



Report of Analysis

Client:		Date Collected:	12/20/2017 12:00:00 AM
Project:	LB92333	Date Received:	12/21/2017 12:00:00 AM
Client Sample ID:	MW-4D	SDG No.:	LB92333
Lab Sample ID:	I7025-03	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		12/21/2017	300.0
	Chloride	140	OR	1	0.075		0.15	mg/L		12/21/2017	300.0
	Fluoride	0	U	1	0.043		0.1	mg/L		12/21/2017	300.0
	Nitrate	0	U	1	0.027		0.13	mg/L		12/21/2017	300.0
	Nitrite	0	U	1	0.022		0.15	mg/L		12/21/2017	300.0
	Phosphorus, Ortho	0	U	1	0.01		0.25	mg/L		12/21/2017	300.0
	Sulfate	37.7	OR	1	0.13		0.75	mg/L		12/21/2017	300.0



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Report of Analysis

Client:		Date Collected:	12/20/2017 12:00:00 AM
Project:	LB92333	Date Received:	12/21/2017 12:00:00 AM
Client Sample ID:	MW-4DDL	SDG No.:	LB92333
Lab Sample ID:	I7025-03DL	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	2	0.13		1	mg/L		12/22/2017	300.0
	Chloride	133	OR	2	0.15		0.3	mg/L		12/22/2017	300.0
	Fluoride	0	UD	2	0.086		0.2	mg/L		12/22/2017	300.0
	Nitrate	0	UD	2	0.054		0.25	mg/L		12/22/2017	300.0
	Nitrite	0	UD	2	0.044		0.3	mg/L		12/22/2017	300.0
	Phosphorus, Ortho	0	UD	2	0.02		0.5	mg/L		12/22/2017	300.0
	Sulfate	36.6	D	2	0.26		1.5	mg/L		12/22/2017	300.0



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Report of Analysis

Client:		Date Collected:	12/20/2017 12:00:00 AM
Project:	LB92333	Date Received:	12/21/2017 12:00:00 AM
Client Sample ID:	MW-4DDL2	SDG No.:	LB92333
Lab Sample ID:	I7025-03DL2	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		12/22/2017	300.0
	Chloride	103	D	20	1.5		3	mg/L		12/22/2017	300.0
	Fluoride	0	UD	20	0.86		2	mg/L		12/22/2017	300.0
	Nitrate	0	UD	20	0.54		2.5	mg/L		12/22/2017	300.0
	Nitrite	0	UD	20	0.44		3	mg/L		12/22/2017	300.0
	Phosphorus, Ortho	0	UD	20	0.2		5	mg/L		12/22/2017	300.0
	Sulfate	44.6	D	20	2.6		15	mg/L		12/22/2017	300.0



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Report of Analysis

Client:		Date Collected:	12/20/2017 12:00:00 AM
Project:	LB92333	Date Received:	12/21/2017 12:00:00 AM
Client Sample ID:	MW-22S	SDG No.:	LB92333
Lab Sample ID:	I7025-04	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	0	U	1	0.066		0.5	mg/L		12/21/2017	300.0
	Chloride	195	OR	1	0.075		0.15	mg/L		12/21/2017	300.0
	Fluoride	0.48		1	0.043		0.1	mg/L		12/21/2017	300.0
	Nitrate	0.13		1	0.027		0.13	mg/L		12/21/2017	300.0
	Nitrite	0	U	1	0.022		0.15	mg/L		12/21/2017	300.0
	Phosphorus, Ortho	0	U	1	0.01		0.25	mg/L		12/21/2017	300.0
	Sulfate	32.5		1	0.13		0.75	mg/L		12/21/2017	300.0



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Report of Analysis

Client:		Date Collected:	12/20/2017 12:00:00 AM
Project:	LB92333	Date Received:	12/21/2017 12:00:00 AM
Client Sample ID:	MW-22SDL	SDG No.:	LB92333
Lab Sample ID:	I7025-04DL	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	0	UD	50	3.3		25	mg/L		12/22/2017	300.0
	Chloride	138	D	50	3.8		7.5	mg/L		12/22/2017	300.0
	Fluoride	0	UD	50	2.2		5	mg/L		12/22/2017	300.0
	Nitrate	0	UD	50	1.4		6.3	mg/L		12/22/2017	300.0
	Nitrite	0	UD	50	1.1		7.5	mg/L		12/22/2017	300.0
	Phosphorus, Ortho	0	UD	50	0.5		12.5	mg/L		12/22/2017	300.0
	Sulfate	60.9	D	50	6.6		37.5	mg/L		12/22/2017	300.0



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Report of Analysis

Client:		Date Collected:	12/20/2017 12:00:00 AM
Project:	LB92333	Date Received:	12/21/2017 12:00:00 AM
Client Sample ID:	MW-22D	SDG No.:	LB92333
Lab Sample ID:	I7025-05	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	0	U	1	0.066		0.5	mg/L		12/21/2017	300.0
	Chloride	81.5	OR	1	0.075		0.15	mg/L		12/21/2017	300.0
	Fluoride	0.26		1	0.043		0.1	mg/L		12/21/2017	300.0
	Nitrate	0	U	1	0.027		0.13	mg/L		12/21/2017	300.0
	Nitrite	0	U	1	0.022		0.15	mg/L		12/21/2017	300.0
	Phosphorus, Ortho	0	U	1	0.01		0.25	mg/L		12/21/2017	300.0
	Sulfate	25.7		1	0.13		0.75	mg/L		12/21/2017	300.0



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Report of Analysis

Client:		Date Collected:	12/20/2017 12:00:00 AM
Project:	LB92333	Date Received:	12/21/2017 12:00:00 AM
Client Sample ID:	MW-22DDL	SDG No.:	LB92333
Lab Sample ID:	I7025-05DL	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	0	UD	20	1.3		10	mg/L		12/23/2017	300.0
	Chloride	65	D	20	1.5		3	mg/L		12/23/2017	300.0
	Fluoride	0	UD	20	0.86		2	mg/L		12/23/2017	300.0
	Nitrate	0	UD	20	0.54		2.5	mg/L		12/23/2017	300.0
	Nitrite	0	UD	20	0.44		3	mg/L		12/23/2017	300.0
	Phosphorus, Ortho	0	UD	20	0.2		5	mg/L		12/23/2017	300.0
	Sulfate	35.6	D	20	2.6		15	mg/L		12/23/2017	300.0



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Report of Analysis

Client:		Date Collected:	12/20/2017 12:00:00 AM
Project:	LB92333	Date Received:	12/21/2017 12:00:00 AM
Client Sample ID:	MW-23S	SDG No.:	LB92333
Lab Sample ID:	I7025-07	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	U	1	0.066		0.5	mg/L		12/21/2017	300.0
	Chloride	751	OR	1	0.075		0.15	mg/L		12/21/2017	300.0
	Fluoride	0.34		1	0.043		0.1	mg/L		12/21/2017	300.0
	Nitrate	0	U	1	0.027		0.13	mg/L		12/21/2017	300.0
	Nitrite	0	U	1	0.022		0.15	mg/L		12/21/2017	300.0
	Phosphorus, Ortho	0	U	1	0.01		0.25	mg/L		12/21/2017	300.0
	Sulfate	3.3		1	0.13		0.75	mg/L		12/21/2017	300.0



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Report of Analysis

Client:		Date Collected:	12/20/2017 12:00:00 AM
Project:	LB92333	Date Received:	12/21/2017 12:00:00 AM
Client Sample ID:	MW-23SDL	SDG No.:	LB92333
Lab Sample ID:	I7025-07DL	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		12/23/2017	300.0
	Chloride	527	D	100	7.5		15	mg/L		12/23/2017	300.0
	Fluoride	0	UD	100	4.3		10	mg/L		12/23/2017	300.0
	Nitrate	0	UD	100	2.7		12.5	mg/L		12/23/2017	300.0
	Nitrite	0	UD	100	2.2		15	mg/L		12/23/2017	300.0
	Phosphorus, Ortho	0	UD	100	1		25	mg/L		12/23/2017	300.0
	Sulfate	0	UD	100	13.2		75	mg/L		12/23/2017	300.0



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Report of Analysis

Client:		Date Collected:	12/20/2017 12:00:00 AM
Project:	LB92333	Date Received:	12/21/2017 12:00:00 AM
Client Sample ID:	MW-26	SDG No.:	LB92333
Lab Sample ID:	I7025-08	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		12/21/2017	300.0
	Chloride	80.4	OR	1	0.075		0.15	mg/L		12/21/2017	300.0
	Fluoride	0.23		1	0.043		0.1	mg/L		12/21/2017	300.0
	Nitrate	0.14		1	0.027		0.13	mg/L		12/21/2017	300.0
	Nitrite	0	U	1	0.022		0.15	mg/L		12/21/2017	300.0
	Phosphorus, Ortho	0	U	1	0.01		0.25	mg/L		12/21/2017	300.0
	Sulfate	2.8		1	0.13		0.75	mg/L		12/21/2017	300.0



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Report of Analysis

Client:		Date Collected:	12/20/2017 12:00:00 AM
Project:	LB92333	Date Received:	12/21/2017 12:00:00 AM
Client Sample ID:	MW-26DL	SDG No.:	LB92333
Lab Sample ID:	I7025-08DL	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		12/23/2017	300.0
	Chloride	62.9	D	20	1.5		3	mg/L		12/23/2017	300.0
	Fluoride	0	UD	20	0.86		2	mg/L		12/23/2017	300.0
	Nitrate	0	UD	20	0.54		2.5	mg/L		12/23/2017	300.0
	Nitrite	0	UD	20	0.44		3	mg/L		12/23/2017	300.0
	Phosphorus, Ortho	0	UD	20	0.2		5	mg/L		12/23/2017	300.0
	Sulfate	0	UD	20	2.6		15	mg/L		12/23/2017	300.0



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Report of Analysis

Client:		Date Collected:	12/20/2017 12:00:00 AM
Project:	LB92333	Date Received:	12/21/2017 12:00:00 AM
Client Sample ID:	MW-27S	SDG No.:	LB92333
Lab Sample ID:	I7025-09	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	U	1	0.066		0.5	mg/L		12/21/2017	300.0
	Chloride	1080	OR	1	0.075		0.15	mg/L		12/21/2017	300.0
	Fluoride	0	U	1	0.043		0.1	mg/L		12/21/2017	300.0
	Nitrate	0	U	1	0.027		0.13	mg/L		12/21/2017	300.0
	Nitrite	0	U	1	0.022		0.15	mg/L		12/21/2017	300.0
	Phosphorus, Ortho	0	U	1	0.01		0.25	mg/L		12/21/2017	300.0
	Sulfate	14.9		1	0.13		0.75	mg/L		12/21/2017	300.0



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Report of Analysis

Client:		Date Collected:	12/20/2017 12:00:00 AM
Project:	LB92333	Date Received:	12/21/2017 12:00:00 AM
Client Sample ID:	MW-27SDL	SDG No.:	LB92333
Lab Sample ID:	I7025-09DL	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	0	UD	200	13.2		100	mg/L		12/23/2017	300.0
	Chloride	786	D	200	15		30	mg/L		12/23/2017	300.0
	Fluoride	0	UD	200	8.6		20	mg/L		12/23/2017	300.0
	Nitrate	0	UD	200	5.4		25	mg/L		12/23/2017	300.0
	Nitrite	0	UD	200	4.4		30	mg/L		12/23/2017	300.0
	Phosphorus, Ortho	0	UD	200	2		50	mg/L		12/23/2017	300.0
	Sulfate	0	UD	200	26.4		150	mg/L		12/23/2017	300.0



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Report of Analysis

Client:		Date Collected:	12/20/2017 12:00:00 AM
Project:	LB92333	Date Received:	12/21/2017 12:00:00 AM
Client Sample ID:	MW-29	SDG No.:	LB92333
Lab Sample ID:	I7025-10	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		12/21/2017	300.0
	Chloride	901	OR	1	0.075		0.15	mg/L		12/21/2017	300.0
	Fluoride	0	U	1	0.043		0.1	mg/L		12/21/2017	300.0
	Nitrate	0	U	1	0.027		0.13	mg/L		12/21/2017	300.0
	Nitrite	0	U	1	0.022		0.15	mg/L		12/21/2017	300.0
	Phosphorus, Ortho	0	U	1	0.01		0.25	mg/L		12/21/2017	300.0
	Sulfate	2.4		1	0.13		0.75	mg/L		12/21/2017	300.0



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Report of Analysis

Client:		Date Collected:	12/20/2017 12:00:00 AM
Project:	LB92333	Date Received:	12/21/2017 12:00:00 AM
Client Sample ID:	MW-29DL	SDG No.:	LB92333
Lab Sample ID:	I7025-10DL	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		12/23/2017	300.0
	Chloride	624	D	200	15		30	mg/L		12/23/2017	300.0
	Fluoride	0	UD	200	8.6		20	mg/L		12/23/2017	300.0
	Nitrate	0	UD	200	5.4		25	mg/L		12/23/2017	300.0
	Nitrite	0	UD	200	4.4		30	mg/L		12/23/2017	300.0
	Phosphorus, Ortho	0	UD	200	2		50	mg/L		12/23/2017	300.0
	Sulfate	0	UD	200	26.4		150	mg/L		12/23/2017	300.0



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Report of Analysis

Client:		Date Collected:	12/20/2017 12:00:00 AM
Project:	LB92333	Date Received:	12/21/2017 12:00:00 AM
Client Sample ID:	MW-30V	SDG No.:	LB92333
Lab Sample ID:	I7025-11	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	0	U	1	0.066		0.5	mg/L		12/21/2017	300.0
	Chloride	305	OR	1	0.075		0.15	mg/L		12/21/2017	300.0
	Fluoride	0.25		1	0.043		0.1	mg/L		12/21/2017	300.0
	Nitrate	0	U	1	0.027		0.13	mg/L		12/21/2017	300.0
	Nitrite	0	U	1	0.022		0.15	mg/L		12/21/2017	300.0
	Phosphorus, Ortho	0	U	1	0.01		0.25	mg/L		12/21/2017	300.0
	Sulfate	1.5		1	0.13		0.75	mg/L		12/21/2017	300.0



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Report of Analysis

Client:		Date Collected:	12/20/2017 12:00:00 AM
Project:	LB92333	Date Received:	12/21/2017 12:00:00 AM
Client Sample ID:	MW-30VDL	SDG No.:	LB92333
Lab Sample ID:	I7025-11DL	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	0	UD	50	3.3		25	mg/L		12/23/2017	300.0
	Chloride	215	D	50	3.8		7.5	mg/L		12/23/2017	300.0
	Fluoride	0	UD	50	2.2		5	mg/L		12/23/2017	300.0
	Nitrate	0	UD	50	1.4		6.3	mg/L		12/23/2017	300.0
	Nitrite	0	UD	50	1.1		7.5	mg/L		12/23/2017	300.0
	Phosphorus, Ortho	0	UD	50	0.5		12.5	mg/L		12/23/2017	300.0
	Sulfate	0	UD	50	6.6		37.5	mg/L		12/23/2017	300.0



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Report of Analysis

Client:		Date Collected:	12/21/2017 12:00:00 AM
Project:	LB92333	Date Received:	12/22/2017 12:00:00 AM
Client Sample ID:	MW-6S	SDG No.:	LB92333
Lab Sample ID:	I7051-01	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	1.1		1	0.066		0.5	mg/L		12/22/2017	300.0
	Chloride	4700	OR	1	0.075		0.15	mg/L		12/22/2017	300.0
	Fluoride	0	U	1	0.043		0.1	mg/L		12/22/2017	300.0
	Nitrate	0	U	1	0.027		0.13	mg/L		12/22/2017	300.0
	Nitrite	0	U	1	0.022		0.15	mg/L		12/22/2017	300.0
	Phosphorus, Ortho	0	U	1	0.01		0.25	mg/L		12/22/2017	300.0
	Sulfate	152	OR	1	0.13		0.75	mg/L		12/22/2017	300.0



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Report of Analysis

Client:		Date Collected:	12/21/2017 12:00:00 AM
Project:	LB92333	Date Received:	12/22/2017 12:00:00 AM
Client Sample ID:	MW-6SDL	SDG No.:	LB92333
Lab Sample ID:	I7051-01DL	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	10	0.66		5	mg/L		12/23/2017	300.0
	Chloride	4710	OR	10	0.75		1.5	mg/L		12/23/2017	300.0
	Fluoride	0	UD	10	0.43		1	mg/L		12/23/2017	300.0
	Nitrate	0	UD	10	0.27		1.3	mg/L		12/23/2017	300.0
	Nitrite	0	UD	10	0.22		1.5	mg/L		12/23/2017	300.0
	Phosphorus, Ortho	0	UD	10	0.1		2.5	mg/L		12/23/2017	300.0
	Sulfate	127	D	10	1.3		7.5	mg/L		12/23/2017	300.0



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Report of Analysis

Client:		Date Collected:	12/21/2017 12:00:00 AM
Project:	LB92333	Date Received:	12/22/2017 12:00:00 AM
Client Sample ID:	MW-6SDL2	SDG No.:	LB92333
Lab Sample ID:	I7051-01DL2	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	500	33		250	mg/L		12/23/2017	300.0
	Chloride	3200	D	500	37.5		75	mg/L		12/23/2017	300.0
	Fluoride	0	UD	500	21.5		50	mg/L		12/23/2017	300.0
	Nitrate	0	UD	500	13.5		62.5	mg/L		12/23/2017	300.0
	Nitrite	0	UD	500	11		75	mg/L		12/23/2017	300.0
	Phosphorus, Ortho	0	UD	500	5		125	mg/L		12/23/2017	300.0
	Sulfate	0	UD	500	66		375	mg/L		12/23/2017	300.0



Report of Analysis

Client:		Date Collected:	12/21/2017 12:00:00 AM
Project:	LB92333	Date Received:	12/22/2017 12:00:00 AM
Client Sample ID:	MW-6D	SDG No.:	LB92333
Lab Sample ID:	I7051-02	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	0	U	1	0.066		0.5	mg/L		12/22/2017	300.0
	Chloride	1160	OR	1	0.075		0.15	mg/L		12/22/2017	300.0
	Fluoride	0.3		1	0.043		0.1	mg/L		12/22/2017	300.0
	Nitrate	0.14		1	0.027		0.13	mg/L		12/22/2017	300.0
	Nitrite	0	U	1	0.022		0.15	mg/L		12/22/2017	300.0
	Phosphorus, Ortho	0	U	1	0.01		0.25	mg/L		12/22/2017	300.0
	Sulfate	12.7		1	0.13		0.75	mg/L		12/22/2017	300.0



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Report of Analysis

Client:		Date Collected:	12/21/2017 12:00:00 AM
Project:	LB92333	Date Received:	12/22/2017 12:00:00 AM
Client Sample ID:	MW-6DDL	SDG No.:	LB92333
Lab Sample ID:	I7051-02DL	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	200	13.2		100	mg/L		12/23/2017	300.0
	Chloride	766	D	200	15		30	mg/L		12/23/2017	300.0
	Fluoride	0	UD	200	8.6		20	mg/L		12/23/2017	300.0
	Nitrate	0	UD	200	5.4		25	mg/L		12/23/2017	300.0
	Nitrite	0	UD	200	4.4		30	mg/L		12/23/2017	300.0
	Phosphorus, Ortho	0	UD	200	2		50	mg/L		12/23/2017	300.0
	Sulfate	0	UD	200	26.4		150	mg/L		12/23/2017	300.0



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Report of Analysis

Client:		Date Collected:	12/21/2017 12:00:00 AM
Project:	LB92333	Date Received:	12/22/2017 12:00:00 AM
Client Sample ID:	MW-10D	SDG No.:	LB92333
Lab Sample ID:	I7051-03	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		12/22/2017	300.0
	Chloride	1620	OR	1	0.075		0.15	mg/L		12/22/2017	300.0
	Fluoride	0.16		1	0.043		0.1	mg/L		12/22/2017	300.0
	Nitrate	0.2		1	0.027		0.13	mg/L		12/22/2017	300.0
	Nitrite	0	U	1	0.022		0.15	mg/L		12/22/2017	300.0
	Phosphorus, Ortho	0	U	1	0.01		0.25	mg/L		12/22/2017	300.0
	Sulfate	21.5		1	0.13		0.75	mg/L		12/22/2017	300.0



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Report of Analysis

Client:		Date Collected:	12/21/2017 12:00:00 AM
Project:	LB92333	Date Received:	12/22/2017 12:00:00 AM
Client Sample ID:	MW-10DDL	SDG No.:	LB92333
Lab Sample ID:	I7051-03DL	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	500	33		250	mg/L		12/23/2017	300.0
	Chloride	1100	D	500	37.5		75	mg/L		12/23/2017	300.0
	Fluoride	0	UD	500	21.5		50	mg/L		12/23/2017	300.0
	Nitrate	0	UD	500	13.5		62.5	mg/L		12/23/2017	300.0
	Nitrite	0	UD	500	11		75	mg/L		12/23/2017	300.0
	Phosphorus, Ortho	0	UD	500	5		125	mg/L		12/23/2017	300.0
	Sulfate	0	UD	500	66		375	mg/L		12/23/2017	300.0



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Report of Analysis

Client:		Date Collected:	12/21/2017 12:00:00 AM
Project:	LB92333	Date Received:	12/22/2017 12:00:00 AM
Client Sample ID:	MW-21D	SDG No.:	LB92333
Lab Sample ID:	I7051-04	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	0	U	1	0.066		0.5	mg/L		12/22/2017	300.0
	Chloride	93.2	OR	1	0.075		0.15	mg/L		12/22/2017	300.0
	Fluoride	0.28		1	0.043		0.1	mg/L		12/22/2017	300.0
	Nitrate	0.13		1	0.027		0.13	mg/L		12/22/2017	300.0
	Nitrite	0	U	1	0.022		0.15	mg/L		12/22/2017	300.0
	Phosphorus, Ortho	-0.25	U	1	0.01		0.25	mg/L		12/22/2017	300.0
	Sulfate	19.8		1	0.13		0.75	mg/L		12/22/2017	300.0



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Report of Analysis

Client:		Date Collected:	12/21/2017 12:00:00 AM
Project:	LB92333	Date Received:	12/22/2017 12:00:00 AM
Client Sample ID:	MW-21DDL	SDG No.:	LB92333
Lab Sample ID:	I7051-04DL	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	0	UD	20	1.3		10	mg/L		12/23/2017	300.0
	Chloride	70	D	20	1.5		3	mg/L		12/23/2017	300.0
	Fluoride	0	UD	20	0.86		2	mg/L		12/23/2017	300.0
	Nitrate	0	UD	20	0.54		2.5	mg/L		12/23/2017	300.0
	Nitrite	0	UD	20	0.44		3	mg/L		12/23/2017	300.0
	Phosphorus, Ortho	0	UD	20	0.2		5	mg/L		12/23/2017	300.0
	Sulfate	30	D	20	2.6		15	mg/L		12/23/2017	300.0



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Report of Analysis

Client:		Date Collected:	12/21/2017 12:00:00 AM
Project:	LB92333	Date Received:	12/22/2017 12:00:00 AM
Client Sample ID:	MW-21S	SDG No.:	LB92333
Lab Sample ID:	I7051-05	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	0	U	1	0.066		0.5	mg/L		12/22/2017	300.0
	Chloride	1020	OR	1	0.075		0.15	mg/L		12/22/2017	300.0
	Fluoride	0.63		1	0.043		0.1	mg/L		12/22/2017	300.0
	Nitrate	0.61		1	0.027		0.13	mg/L		12/22/2017	300.0
	Nitrite	0	U	1	0.022		0.15	mg/L		12/22/2017	300.0
	Phosphorus, Ortho	0	U	1	0.01		0.25	mg/L		12/22/2017	300.0
	Sulfate	77.6	OR	1	0.13		0.75	mg/L		12/22/2017	300.0



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Report of Analysis

Client:		Date Collected:	12/21/2017 12:00:00 AM
Project:	LB92333	Date Received:	12/22/2017 12:00:00 AM
Client Sample ID:	MW-21SDL	SDG No.:	LB92333
Lab Sample ID:	I7051-05DL	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	0	UD	5	0.33		2.5	mg/L		12/26/2017	300.0
	Chloride	1090	OR	5	0.38		0.75	mg/L		12/26/2017	300.0
	Fluoride	0	UD	5	0.22		0.5	mg/L		12/26/2017	300.0
	Nitrate	1.1	D	5	0.14		0.63	mg/L		12/26/2017	300.0
	Nitrite	0	UD	5	0.11		0.75	mg/L		12/26/2017	300.0
	Phosphorus, Ortho	0	UD	5	0.05		1.3	mg/L		12/26/2017	300.0
	Sulfate	75.3	D	5	0.66		3.8	mg/L		12/26/2017	300.0



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Report of Analysis

Client:		Date Collected:	12/21/2017 12:00:00 AM
Project:	LB92333	Date Received:	12/22/2017 12:00:00 AM
Client Sample ID:	MW-21SDL2	SDG No.:	LB92333
Lab Sample ID:	I7051-05DL2	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		12/26/2017	300.0
	Chloride	774	D	200	15		30	mg/L		12/26/2017	300.0
	Fluoride	0	UD	200	8.6		20	mg/L		12/26/2017	300.0
	Nitrate	0	UD	200	5.4		25	mg/L		12/26/2017	300.0
	Nitrite	0	UD	200	4.4		30	mg/L		12/26/2017	300.0
	Phosphorus, Ortho	0	UD	200	2		50	mg/L		12/26/2017	300.0
	Sulfate	0	UD	200	26.4		150	mg/L		12/26/2017	300.0



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Report of Analysis

Client:		Date Collected:	12/21/2017 12:00:00 AM
Project:	LB92333	Date Received:	12/22/2017 12:00:00 AM
Client Sample ID:	MW-10S	SDG No.:	LB92333
Lab Sample ID:	I7052-01	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		12/22/2017	300.0
	Chloride	1610	OR	1	0.075		0.15	mg/L		12/22/2017	300.0
	Fluoride	0	U	1	0.043		0.1	mg/L		12/22/2017	300.0
	Nitrate	0	U	1	0.027		0.13	mg/L		12/22/2017	300.0
	Nitrite	0	U	1	0.022		0.15	mg/L		12/22/2017	300.0
	Phosphorus, Ortho	0	U	1	0.01		0.25	mg/L		12/22/2017	300.0
	Sulfate	199	OR	1	0.13		0.75	mg/L		12/22/2017	300.0



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Report of Analysis

Client:		Date Collected:	12/21/2017 12:00:00 AM
Project:	LB92333	Date Received:	12/22/2017 12:00:00 AM
Client Sample ID:	MW-10SDL	SDG No.:	LB92333
Lab Sample ID:	I7052-01DL	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	10	0.66		5	mg/L		12/26/2017	300.0
	Chloride	1650	OR	10	0.75		1.5	mg/L		12/26/2017	300.0
	Fluoride	0	UD	10	0.43		1	mg/L		12/26/2017	300.0
	Nitrate	0	UD	10	0.27		1.3	mg/L		12/26/2017	300.0
	Nitrite	0	UD	10	0.22		1.5	mg/L		12/26/2017	300.0
	Phosphorus, Ortho	0	UD	10	0.1		2.5	mg/L		12/26/2017	300.0
	Sulfate	172	D	10	1.3		7.5	mg/L		12/26/2017	300.0



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Report of Analysis

Client:		Date Collected:	12/21/2017 12:00:00 AM
Project:	LB92333	Date Received:	12/22/2017 12:00:00 AM
Client Sample ID:	MW-10SDL2	SDG No.:	LB92333
Lab Sample ID:	I7052-01DL2	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	200	13.2		100	mg/L		12/26/2017	300.0
	Chloride	1190	D	200	15		30	mg/L		12/26/2017	300.0
	Fluoride	0	UD	200	8.6		20	mg/L		12/26/2017	300.0
	Nitrate	0	UD	200	5.4		25	mg/L		12/26/2017	300.0
	Nitrite	0	UD	200	4.4		30	mg/L		12/26/2017	300.0
	Phosphorus, Ortho	0	UD	200	2		50	mg/L		12/26/2017	300.0
	Sulfate	294	D	200	26.4		150	mg/L		12/26/2017	300.0



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Report of Analysis

Client:		Date Collected:	12/21/2017 12:00:00 AM
Project:	LB92333	Date Received:	12/22/2017 12:00:00 AM
Client Sample ID:	MW-23D	SDG No.:	LB92333
Lab Sample ID:	I7052-03	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		12/22/2017	300.0
	Chloride	170	OR	1	0.075		0.15	mg/L		12/22/2017	300.0
	Fluoride	0.25		1	0.043		0.1	mg/L		12/22/2017	300.0
	Nitrate	0	U	1	0.027		0.13	mg/L		12/22/2017	300.0
	Nitrite	0	U	1	0.022		0.15	mg/L		12/22/2017	300.0
	Phosphorus, Ortho	0	U	1	0.01		0.25	mg/L		12/22/2017	300.0
	Sulfate	1.2		1	0.13		0.75	mg/L		12/22/2017	300.0



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Report of Analysis

Client:		Date Collected:	12/21/2017 12:00:00 AM
Project:	LB92333	Date Received:	12/22/2017 12:00:00 AM
Client Sample ID:	MW-23DDL	SDG No.:	LB92333
Lab Sample ID:	I7052-03DL	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	50	3.3		25	mg/L		12/26/2017	300.0
	Chloride	132	D	50	3.8		7.5	mg/L		12/26/2017	300.0
	Fluoride	0	UD	50	2.2		5	mg/L		12/26/2017	300.0
	Nitrate	0	UD	50	1.4		6.3	mg/L		12/26/2017	300.0
	Nitrite	0	UD	50	1.1		7.5	mg/L		12/26/2017	300.0
	Phosphorus, Ortho	0	UD	50	0.5		12.5	mg/L		12/26/2017	300.0
	Sulfate	0	UD	50	6.6		37.5	mg/L		12/26/2017	300.0



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Report of Analysis

Client:		Date Collected:	12/21/2017 12:00:00 AM
Project:	LB92333	Date Received:	12/22/2017 12:00:00 AM
Client Sample ID:	MW-24S	SDG No.:	LB92333
Lab Sample ID:	I7052-04	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	0	U	1	0.066		0.5	mg/L		12/22/2017	300.0
	Chloride	140	OR	1	0.075		0.15	mg/L		12/22/2017	300.0
	Fluoride	0.39		1	0.043		0.1	mg/L		12/22/2017	300.0
	Nitrate	0.2		1	0.027		0.13	mg/L		12/22/2017	300.0
	Nitrite	0	U	1	0.022		0.15	mg/L		12/22/2017	300.0
	Phosphorus, Ortho	0	U	1	0.01		0.25	mg/L		12/22/2017	300.0
	Sulfate	28.7		1	0.13		0.75	mg/L		12/22/2017	300.0



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Report of Analysis

Client:		Date Collected:	12/21/2017 12:00:00 AM
Project:	LB92333	Date Received:	12/22/2017 12:00:00 AM
Client Sample ID:	MW-24SDL	SDG No.:	LB92333
Lab Sample ID:	I7052-04DL	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	0	UD	20	1.3		10	mg/L		12/26/2017	300.0
	Chloride	111	D	20	1.5		3	mg/L		12/26/2017	300.0
	Fluoride	0	UD	20	0.86		2	mg/L		12/26/2017	300.0
	Nitrate	0	UD	20	0.54		2.5	mg/L		12/26/2017	300.0
	Nitrite	0	UD	20	0.44		3	mg/L		12/26/2017	300.0
	Phosphorus, Ortho	0	UD	20	0.2		5	mg/L		12/26/2017	300.0
	Sulfate	39.5	D	20	2.6		15	mg/L		12/26/2017	300.0



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Report of Analysis

Client:		Date Collected:	12/21/2017 12:00:00 AM
Project:	LB92333	Date Received:	12/22/2017 12:00:00 AM
Client Sample ID:	MW-24D	SDG No.:	LB92333
Lab Sample ID:	I7052-05	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	0	U	1	0.066		0.5	mg/L		12/22/2017	300.0
	Chloride	212	OR	1	0.075		0.15	mg/L		12/22/2017	300.0
	Fluoride	0	U	1	0.043		0.1	mg/L		12/22/2017	300.0
	Nitrate	0	U	1	0.027		0.13	mg/L		12/22/2017	300.0
	Nitrite	0	U	1	0.022		0.15	mg/L		12/22/2017	300.0
	Phosphorus, Ortho	0	U	1	0.01		0.25	mg/L		12/22/2017	300.0
	Sulfate	73	OR	1	0.13		0.75	mg/L		12/22/2017	300.0



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Report of Analysis

Client:		Date Collected:	12/21/2017 12:00:00 AM
Project:	LB92333	Date Received:	12/22/2017 12:00:00 AM
Client Sample ID:	MW-24DDL	SDG No.:	LB92333
Lab Sample ID:	I7052-05DL	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	0	UD	5	0.33		2.5	mg/L		12/26/2017	300.0
	Chloride	201	OR	5	0.38		0.75	mg/L		12/26/2017	300.0
	Fluoride	0	UD	5	0.22		0.5	mg/L		12/26/2017	300.0
	Nitrate	0	UD	5	0.14		0.63	mg/L		12/26/2017	300.0
	Nitrite	0	UD	5	0.11		0.75	mg/L		12/26/2017	300.0
	Phosphorus, Ortho	0	UD	5	0.05		1.3	mg/L		12/26/2017	300.0
	Sulfate	67.3	D	5	0.66		3.8	mg/L		12/26/2017	300.0



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Report of Analysis

Client:		Date Collected:	12/21/2017 12:00:00 AM
Project:	LB92333	Date Received:	12/22/2017 12:00:00 AM
Client Sample ID:	MW-24DDL2	SDG No.:	LB92333
Lab Sample ID:	I7052-05DL2	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	50	3.3		25	mg/L		12/26/2017	300.0
	Chloride	166	D	50	3.8		7.5	mg/L		12/26/2017	300.0
	Fluoride	0	UD	50	2.2		5	mg/L		12/26/2017	300.0
	Nitrate	0	UD	50	1.4		6.3	mg/L		12/26/2017	300.0
	Nitrite	0	UD	50	1.1		7.5	mg/L		12/26/2017	300.0
	Phosphorus, Ortho	0	UD	50	0.5		12.5	mg/L		12/26/2017	300.0
	Sulfate	91.9	D	50	6.6		37.5	mg/L		12/26/2017	300.0



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Report of Analysis

Client:		Date Collected:	12/21/2017 12:00:00 AM
Project:	LB92333	Date Received:	12/22/2017 12:00:00 AM
Client Sample ID:	MW-25S	SDG No.:	LB92333
Lab Sample ID:	I7052-06	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	0	U	1	0.066		0.5	mg/L		12/22/2017	300.0
	Chloride	471	OR	1	0.075		0.15	mg/L		12/22/2017	300.0
	Fluoride	0.41		1	0.043		0.1	mg/L		12/22/2017	300.0
	Nitrate	0	U	1	0.027		0.13	mg/L		12/22/2017	300.0
	Nitrite	0	U	1	0.022		0.15	mg/L		12/22/2017	300.0
	Phosphorus, Ortho	0	U	1	0.01		0.25	mg/L		12/22/2017	300.0
	Sulfate	9.9		1	0.13		0.75	mg/L		12/22/2017	300.0



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Report of Analysis

Client:		Date Collected:	12/21/2017 12:00:00 AM
Project:	LB92333	Date Received:	12/22/2017 12:00:00 AM
Client Sample ID:	MW-25SDL	SDG No.:	LB92333
Lab Sample ID:	I7052-06DL	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		12/26/2017	300.0
	Chloride	360	D	100	7.5		15	mg/L		12/26/2017	300.0
	Fluoride	0	UD	100	4.3		10	mg/L		12/26/2017	300.0
	Nitrate	0	UD	100	2.7		12.5	mg/L		12/26/2017	300.0
	Nitrite	0	UD	100	2.2		15	mg/L		12/26/2017	300.0
	Phosphorus, Ortho	0	UD	100	1		25	mg/L		12/26/2017	300.0
	Sulfate	0	UD	100	13.2		75	mg/L		12/26/2017	300.0



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Report of Analysis

Client:		Date Collected:	12/21/2017 12:00:00 AM
Project:	LB92333	Date Received:	12/22/2017 12:00:00 AM
Client Sample ID:	MW-25D	SDG No.:	LB92333
Lab Sample ID:	I7052-07	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	U	1	0.066		0.5	mg/L		12/22/2017	300.0
	Chloride	541	OR	1	0.075		0.15	mg/L		12/22/2017	300.0
	Fluoride	0	U	1	0.043		0.1	mg/L		12/22/2017	300.0
	Nitrate	0	U	1	0.027		0.13	mg/L		12/22/2017	300.0
	Nitrite	0	U	1	0.022		0.15	mg/L		12/22/2017	300.0
	Phosphorus, Ortho	0	U	1	0.01		0.25	mg/L		12/22/2017	300.0
	Sulfate	76.3	OR	1	0.13		0.75	mg/L		12/22/2017	300.0



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Report of Analysis

Client:		Date Collected:	12/21/2017 12:00:00 AM
Project:	LB92333	Date Received:	12/22/2017 12:00:00 AM
Client Sample ID:	MW-25DDL	SDG No.:	LB92333
Lab Sample ID:	I7052-07DL	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	5	0.33		2.5	mg/L		12/26/2017	300.0
	Chloride	540	OR	5	0.38		0.75	mg/L		12/26/2017	300.0
	Fluoride	0	UD	5	0.22		0.5	mg/L		12/26/2017	300.0
	Nitrate	0	UD	5	0.14		0.63	mg/L		12/26/2017	300.0
	Nitrite	0	UD	5	0.11		0.75	mg/L		12/26/2017	300.0
	Phosphorus, Ortho	0	UD	5	0.05		1.3	mg/L		12/26/2017	300.0
	Sulfate	73.2	D	5	0.66		3.8	mg/L		12/26/2017	300.0



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Report of Analysis

Client:		Date Collected:	12/21/2017 12:00:00 AM
Project:	LB92333	Date Received:	12/22/2017 12:00:00 AM
Client Sample ID:	MW-25DDL2	SDG No.:	LB92333
Lab Sample ID:	I7052-07DL2	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		12/26/2017	300.0
	Chloride	415	D	100	7.5		15	mg/L		12/26/2017	300.0
	Fluoride	0	UD	100	4.3		10	mg/L		12/26/2017	300.0
	Nitrate	0	UD	100	2.7		12.5	mg/L		12/26/2017	300.0
	Nitrite	0	UD	100	2.2		15	mg/L		12/26/2017	300.0
	Phosphorus, Ortho	0	UD	100	1		25	mg/L		12/26/2017	300.0
	Sulfate	131	D	100	13.2		75	mg/L		12/26/2017	300.0



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Report of Analysis

Client:		Date Collected:	12/21/2017 12:00:00 AM
Project:	LB92333	Date Received:	12/22/2017 12:00:00 AM
Client Sample ID:	MW-1	SDG No.:	LB92333
Lab Sample ID:	I7054-01	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		12/22/2017	300.0
	Chloride	273	OR	1	0.075		0.15	mg/L		12/22/2017	300.0
	Fluoride	0	U	1	0.043		0.1	mg/L		12/22/2017	300.0
	Nitrate	11.7	OR	1	0.027		0.13	mg/L		12/22/2017	300.0
	Nitrite	0	U	1	0.022		0.15	mg/L		12/22/2017	300.0
	Phosphorus, Ortho	0	U	1	0.01		0.25	mg/L		12/22/2017	300.0
	Sulfate	45.2	OR	1	0.13		0.75	mg/L		12/22/2017	300.0



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Report of Analysis

Client:		Date Collected:	12/21/2017 12:00:00 AM
Project:	LB92333	Date Received:	12/22/2017 12:00:00 AM
Client Sample ID:	MW-1DL	SDG No.:	LB92333
Lab Sample ID:	I7054-01DL	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	2	0.13		1	mg/L		12/26/2017	300.0
	Chloride	284	OR	2	0.15		0.3	mg/L		12/26/2017	300.0
	Fluoride	0	UD	2	0.086		0.2	mg/L		12/26/2017	300.0
	Nitrate	11.5	D	2	0.054		0.25	mg/L		12/26/2017	300.0
	Nitrite	0	UD	2	0.044		0.3	mg/L		12/26/2017	300.0
	Phosphorus, Ortho	0	UD	2	0.02		0.5	mg/L		12/26/2017	300.0
	Sulfate	45.9	D	2	0.26		1.5	mg/L		12/26/2017	300.0



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Report of Analysis

Client:		Date Collected:	12/21/2017 12:00:00 AM
Project:	LB92333	Date Received:	12/22/2017 12:00:00 AM
Client Sample ID:	MW-1DL2	SDG No.:	LB92333
Lab Sample ID:	I7054-01DL2	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	50	3.3		25	mg/L		12/26/2017	300.0
	Chloride	207	D	50	3.8		7.5	mg/L		12/26/2017	300.0
	Fluoride	0	UD	50	2.2		5	mg/L		12/26/2017	300.0
	Nitrate	14.1	D	50	1.4		6.3	mg/L		12/26/2017	300.0
	Nitrite	0	UD	50	1.1		7.5	mg/L		12/26/2017	300.0
	Phosphorus, Ortho	0	UD	50	0.5		12.5	mg/L		12/26/2017	300.0
	Sulfate	72.2	D	50	6.6		37.5	mg/L		12/26/2017	300.0



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Report of Analysis

Client:		Date Collected:	12/21/2017 12:00:00 AM
Project:	LB92333	Date Received:	12/22/2017 12:00:00 AM
Client Sample ID:	MW-3	SDG No.:	LB92333
Lab Sample ID:	I7054-02	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	0.79		1	0.066		0.5	mg/L		12/23/2017	300.0
	Chloride	919	OR	1	0.075		0.15	mg/L		12/23/2017	300.0
	Fluoride	0.27		1	0.043		0.1	mg/L		12/23/2017	300.0
	Nitrate	0	U	1	0.027		0.13	mg/L		12/23/2017	300.0
	Nitrite	0	U	1	0.022		0.15	mg/L		12/23/2017	300.0
	Phosphorus, Ortho	0	U	1	0.01		0.25	mg/L		12/23/2017	300.0
	Sulfate	44.9	OR	1	0.13		0.75	mg/L		12/23/2017	300.0



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Report of Analysis

Client:		Date Collected:	12/21/2017 12:00:00 AM
Project:	LB92333	Date Received:	12/22/2017 12:00:00 AM
Client Sample ID:	MW-3DL	SDG No.:	LB92333
Lab Sample ID:	I7054-02DL	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	2	0.13		1	mg/L		12/26/2017	300.0
	Chloride	981	OR	2	0.15		0.3	mg/L		12/26/2017	300.0
	Fluoride	0	UD	2	0.086		0.2	mg/L		12/26/2017	300.0
	Nitrate	0	UD	2	0.054		0.25	mg/L		12/26/2017	300.0
	Nitrite	0	UD	2	0.044		0.3	mg/L		12/26/2017	300.0
	Phosphorus, Ortho	0	UD	2	0.02		0.5	mg/L		12/26/2017	300.0
	Sulfate	44.4	D	2	0.26		1.5	mg/L		12/26/2017	300.0



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Report of Analysis

Client:		Date Collected:	12/21/2017 12:00:00 AM
Project:	LB92333	Date Received:	12/22/2017 12:00:00 AM
Client Sample ID:	MW-3DL2	SDG No.:	LB92333
Lab Sample ID:	I7054-02DL2	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		12/26/2017	300.0
	Chloride	671	D	200	15		30	mg/L		12/26/2017	300.0
	Fluoride	0	UD	200	8.6		20	mg/L		12/26/2017	300.0
	Nitrate	0	UD	200	5.4		25	mg/L		12/26/2017	300.0
	Nitrite	0	UD	200	4.4		30	mg/L		12/26/2017	300.0
	Phosphorus, Ortho	0	UD	200	2		50	mg/L		12/26/2017	300.0
	Sulfate	0	UD	200	26.4		150	mg/L		12/26/2017	300.0



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Report of Analysis

Client:		Date Collected:	12/21/2017 12:00:00 AM
Project:	LB92333	Date Received:	12/22/2017 12:00:00 AM
Client Sample ID:	MW-4	SDG No.:	LB92333
Lab Sample ID:	I7054-03	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		12/23/2017	300.0
	Chloride	390	OR	1	0.075		0.15	mg/L		12/23/2017	300.0
	Fluoride	0	U	1	0.043		0.1	mg/L		12/23/2017	300.0
	Nitrate	2.2		1	0.027		0.13	mg/L		12/23/2017	300.0
	Nitrite	0	U	1	0.022		0.15	mg/L		12/23/2017	300.0
	Phosphorus, Ortho	0	U	1	0.01		0.25	mg/L		12/23/2017	300.0
	Sulfate	47	OR	1	0.13		0.75	mg/L		12/23/2017	300.0



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Report of Analysis

Client:		Date Collected:	12/21/2017 12:00:00 AM
Project:	LB92333	Date Received:	12/22/2017 12:00:00 AM
Client Sample ID:	MW-4DL	SDG No.:	LB92333
Lab Sample ID:	I7054-03DL	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	2	0.13		1	mg/L		12/26/2017	300.0
	Chloride	420	OR	2	0.15		0.3	mg/L		12/26/2017	300.0
	Fluoride	0	UD	2	0.086		0.2	mg/L		12/26/2017	300.0
	Nitrate	2.4	D	2	0.054		0.25	mg/L		12/26/2017	300.0
	Nitrite	0	UD	2	0.044		0.3	mg/L		12/26/2017	300.0
	Phosphorus, Ortho	0	UD	2	0.02		0.5	mg/L		12/26/2017	300.0
	Sulfate	48	D	2	0.26		1.5	mg/L		12/26/2017	300.0



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Report of Analysis

Client:		Date Collected:	12/21/2017 12:00:00 AM
Project:	LB92333	Date Received:	12/22/2017 12:00:00 AM
Client Sample ID:	MW-4DL2	SDG No.:	LB92333
Lab Sample ID:	I7054-03DL2	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		12/26/2017	300.0
	Chloride	303	D	100	7.5		15	mg/L		12/26/2017	300.0
	Fluoride	0	UD	100	4.3		10	mg/L		12/26/2017	300.0
	Nitrate	0	UD	100	2.7		12.5	mg/L		12/26/2017	300.0
	Nitrite	0	UD	100	2.2		15	mg/L		12/26/2017	300.0
	Phosphorus, Ortho	0	UD	100	1		25	mg/L		12/26/2017	300.0
	Sulfate	0	UD	100	13.2		75	mg/L		12/26/2017	300.0



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Report of Analysis

Client:		Date Collected:	12/21/2017 12:00:00 AM
Project:	LB92333	Date Received:	12/22/2017 12:00:00 AM
Client Sample ID:	MW-2	SDG No.:	LB92333
Lab Sample ID:	I7054-04	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	0	U	1	0.066		0.5	mg/L		12/23/2017	300.0
	Chloride	390	OR	1	0.075		0.15	mg/L		12/23/2017	300.0
	Fluoride	0	U	1	0.043		0.1	mg/L		12/23/2017	300.0
	Nitrate	2.2		1	0.027		0.13	mg/L		12/23/2017	300.0
	Nitrite	0	U	1	0.022		0.15	mg/L		12/23/2017	300.0
	Phosphorus, Ortho	0	U	1	0.01		0.25	mg/L		12/23/2017	300.0
	Sulfate	47	OR	1	0.13		0.75	mg/L		12/23/2017	300.0



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Report of Analysis

Client:		Date Collected:	12/21/2017 12:00:00 AM
Project:	LB92333	Date Received:	12/22/2017 12:00:00 AM
Client Sample ID:	MW-2DL	SDG No.:	LB92333
Lab Sample ID:	I7054-04DL	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	0	UD	2	0.13		1	mg/L		12/26/2017	300.0
	Chloride	412	OR	2	0.15		0.3	mg/L		12/26/2017	300.0
	Fluoride	0	UD	2	0.086		0.2	mg/L		12/26/2017	300.0
	Nitrate	2.4	D	2	0.054		0.25	mg/L		12/26/2017	300.0
	Nitrite	0	UD	2	0.044		0.3	mg/L		12/26/2017	300.0
	Phosphorus, Ortho	0	UD	2	0.02		0.5	mg/L		12/26/2017	300.0
	Sulfate	47	D	2	0.26		1.5	mg/L		12/26/2017	300.0



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Report of Analysis

Client:		Date Collected:	12/21/2017 12:00:00 AM
Project:	LB92333	Date Received:	12/22/2017 12:00:00 AM
Client Sample ID:	MW-2DL2	SDG No.:	LB92333
Lab Sample ID:	I7054-04DL2	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		12/26/2017	300.0
	Chloride	290	D	100	7.5		15	mg/L		12/26/2017	300.0
	Fluoride	0	UD	100	4.3		10	mg/L		12/26/2017	300.0
	Nitrate	0	UD	100	2.7		12.5	mg/L		12/26/2017	300.0
	Nitrite	0	UD	100	2.2		15	mg/L		12/26/2017	300.0
	Phosphorus, Ortho	0	UD	100	1		25	mg/L		12/26/2017	300.0
	Sulfate	0	UD	100	13.2		75	mg/L		12/26/2017	300.0



Report of Analysis

Client:		Date Collected:	12/21/2017 12:00:00 AM
Project:	LB92333	Date Received:	12/22/2017 12:00:00 AM
Client Sample ID:	MW-2DL2	SDG No.:	LB92333
Lab Sample ID:	I7054-04DL2	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	9.6	10	96	0	90 - 110		12/08/2017	13:54	LB92333
	Chloride	2.9	3	96.7	0	90 - 110		12/08/2017	13:54	LB92333
	Fluoride	1.8	2	90	0	90 - 110		12/08/2017	13:54	LB92333
	Phosphorus, Ortho	5.4	5	108	0	90 - 110		12/08/2017	13:54	LB92333
	Nitrite	2.9	3	96.7	0	90 - 110		12/08/2017	13:54	LB92333
	Nitrate	2.4	2.5	96	0	90 - 110		12/08/2017	13:54	LB92333
	Sulfate	14.1	15	94	0	90 - 110		12/08/2017	13:54	LB92333

Sample ID	Analyte	Result	True Value	%	%	Acceptance	M	Analysis	Analysis	Run
		mg/L								
CCV5	Sulfate	15.1	15	100.7	0	90 - 110		12/22/2017	15:19	LB92333
CCV6	Bromide	9.5	10	95	0	90 - 110		12/22/2017	21:35	LB92333
	Chloride	2.9	3	96.7	0	90 - 110		12/22/2017	21:35	LB92333
	Fluoride	1.8	2	90	0	90 - 110		12/22/2017	21:35	LB92333
	Phosphorus, Ortho	6.5	5	130	0	90 - 110		12/22/2017	21:35	LB92333
	Nitrite	2.9	3	96.7	0	90 - 110		12/22/2017	21:35	LB92333
	Nitrate	2.4	2.5	96	0	90 - 110		12/22/2017	21:35	LB92333
	Sulfate	14.5	15	96.7	0	90 - 110		12/22/2017	21:35	LB92333
CCV7	Bromide	9.5	10	95	0	90 - 110		12/23/2017	03:46	LB92333
	Chloride	2.9	3	96.7	0	90 - 110		12/23/2017	03:46	LB92333
	Fluoride	1.9	2	95	0	90 - 110		12/23/2017	03:46	LB92333
	Phosphorus, Ortho	6.3	5	126	0	90 - 110		12/23/2017	03:46	LB92333
	Nitrite	2.9	3	96.7	0	90 - 110		12/23/2017	03:46	LB92333
	Nitrate	2.4	2.5	96	0	90 - 110		12/23/2017	03:46	LB92333
	Sulfate	14.5	15	96.7	0	90 - 110		12/23/2017	03:46	LB92333
CCV8	Bromide	9.7	10	97	0	90 - 110		12/23/2017	09:26	LB92333
	Chloride	3	3	100	0	90 - 110		12/23/2017	09:26	LB92333
	Fluoride	1.9	2	95	0	90 - 110		12/23/2017	09:26	LB92333
	Phosphorus, Ortho	6.3	5	126	0	90 - 110		12/23/2017	09:26	LB92333
	Nitrite	2.9	3	96.7	0	90 - 110		12/23/2017	09:26	LB92333
	Nitrate	2.4	2.5	96	0	90 - 110		12/23/2017	09:26	LB92333
	Sulfate	14.6	15	97.3	0	90 - 110		12/23/2017	09:26	LB92333
CCV9	Bromide	9.5	10	95	0	90 - 110		12/26/2017	09:39	LB92333
	Chloride	2.8	3	93.3	0	90 - 110		12/26/2017	09:39	LB92333
	Fluoride	2.1	2	105	0	90 - 110		12/26/2017	09:39	LB92333
	Phosphorus, Ortho	5.3	5	106	0	90 - 110		12/26/2017	09:39	LB92333
	Nitrite	2.8	3	93.3	0	90 - 110		12/26/2017	09:39	LB92333
	Nitrate	2.3	2.5	92	0	90 - 110		12/26/2017	09:39	LB92333
	Sulfate	14.7	15	98	0	90 - 110		12/26/2017	09:39	LB92333
CCV10	Bromide	9.5	10	95	0	90 - 110		12/26/2017	15:39	LB92333
	Chloride	2.9	3	96.7	0	90 - 110		12/26/2017	15:39	LB92333
	Fluoride	1.8	2	90	0	90 - 110		12/26/2017	15:39	LB92333
	Phosphorus, Ortho	5.7	5	114	0	90 - 110		12/26/2017	15:39	LB92333
	Nitrite	2.9	3	96.7	0	90 - 110		12/26/2017	15:39	LB92333



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB92333

SDG No.: LB92333

Contract: _____ Lab Code: CHEM

Case No.: LB92333

SAS No.: LB92333

Initial Calibration Source: _____

Continuing Calibration Source: _____

Sample ID	Analyte	Result mg/L	True Value	% Recovery	% RSD	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV10	Nitrate	2.4	2.5	96	0	90 - 110		12/26/2017	15:39	LB92333
	Sulfate	14.9	15	99.3	0	90 - 110		12/26/2017	15:39	LB92333
CCV11	Bromide	9.5	10	95	0	90 - 110		12/26/2017	21:38	LB92333
	Chloride	2.9	3	96.7	0	90 - 110		12/26/2017	21:38	LB92333
	Fluoride	1.8	2	90	0	90 - 110		12/26/2017	21:38	LB92333
	Phosphorus, Ortho	5.8	5	116	0	90 - 110		12/26/2017	21:38	LB92333
	Nitrite	2.8	3	93.3	0	90 - 110		12/26/2017	21:38	LB92333
	Nitrate	2.4	2.5	96	0	90 - 110		12/26/2017	21:38	LB92333
	Sulfate	14.9	15	99.3	0	90 - 110		12/26/2017	21:38	LB92333
CCV12	Bromide	9.6	10	96	0	90 - 110		12/26/2017	23:08	LB92333
	Chloride	2.9	3	96.7	0	90 - 110		12/26/2017	23:08	LB92333
	Fluoride	1.9	2	95	0	90 - 110		12/26/2017	23:08	LB92333
	Phosphorus, Ortho	5.8	5	116	0	90 - 110		12/26/2017	23:08	LB92333
	Nitrite	2.9	3	96.7	0	90 - 110		12/26/2017	23:08	LB92333
	Nitrate	2.4	2.5	96	0	90 - 110		12/26/2017	23:08	LB92333
	Sulfate	15.3	15	102	0	90 - 110		12/26/2017	23:08	LB92333

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		12/08/2017	14:47	LB92333
	Chloride	0.075	+/-0.15	U		0.15		12/08/2017	14:47	LB92333
	Fluoride	0.043	+/-0.1	U		0.1		12/08/2017	14:47	LB92333
	Phosphorus, Ortho	0.01	+/-0.25	U		0.25		12/08/2017	14:47	LB92333
	Nitrite	0.022	+/-0.15	U		0.15		12/08/2017	14:47	LB92333
	Nitrate	0.027	+/-0.13	U		0.13		12/08/2017	14:47	LB92333
	Sulfate	0.13	+/-0.75	U		0.75		12/08/2017	14:47	LB92333



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB92333 SDG No.: LB92333
Contract: _____ Lab Code: CHEM Case No.: LB92333 SAS No.: LB92333

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		12/21/2017	14:19	LB92333
	Chloride	0.075	+/-0.15	U		0.15		12/21/2017	14:19	LB92333
	Fluoride	0.043	+/-0.1	U		0.1		12/21/2017	14:19	LB92333
	Phosphorus, Ortho	0.01	+/-0.25	U		0.25		12/21/2017	14:19	LB92333
	Nitrite	0.022	+/-0.15	U		0.15		12/21/2017	14:19	LB92333
	Nitrate	0.027	+/-0.13	U		0.13		12/21/2017	14:19	LB92333
	Sulfate	0.13	+/-0.75	U		0.75		12/21/2017	14:19	LB92333
CCB2	Bromide	0.066	+/-0.5	U		0.5		12/21/2017	20:30	LB92333
	Chloride	0.075	+/-0.15	U		0.15		12/21/2017	20:30	LB92333
	Fluoride	0.043	+/-0.1	U		0.1		12/21/2017	20:30	LB92333
	Phosphorus, Ortho	0.01	+/-0.25	U		0.25		12/21/2017	20:30	LB92333
	Nitrite	0.022	+/-0.15	U		0.15		12/21/2017	20:30	LB92333
	Nitrate	0.027	+/-0.13	U		0.13		12/21/2017	20:30	LB92333
	Sulfate	0.13	+/-0.75	U		0.75		12/21/2017	20:30	LB92333
CCB3	Bromide	0.066	+/-0.5	U		0.5		12/21/2017	23:36	LB92333
	Chloride	0.075	+/-0.15	U		0.15		12/21/2017	23:36	LB92333
	Fluoride	0.043	+/-0.1	U		0.1		12/21/2017	23:36	LB92333
	Phosphorus, Ortho	0.01	+/-0.25	U		0.25		12/21/2017	23:36	LB92333
	Nitrite	0.022	+/-0.15	U		0.15		12/21/2017	23:36	LB92333
	Nitrate	0.027	+/-0.13	U		0.13		12/21/2017	23:36	LB92333
	Sulfate	0.13	+/-0.75	U		0.75		12/21/2017	23:36	LB92333
CCB4	Bromide	0.066	+/-0.5	U		0.5		12/22/2017	09:37	LB92333
	Chloride	0.075	+/-0.15	U		0.15		12/22/2017	09:37	LB92333
	Fluoride	0.043	+/-0.1	U		0.1		12/22/2017	09:37	LB92333
	Phosphorus, Ortho	0.01	+/-0.25	U		0.25		12/22/2017	09:37	LB92333
	Nitrite	0.022	+/-0.15	U		0.15		12/22/2017	09:37	LB92333
	Nitrate	0.027	+/-0.13	U		0.13		12/22/2017	09:37	LB92333
	Sulfate	0.13	+/-0.75	U		0.75		12/22/2017	09:37	LB92333
CCB5	Bromide	0.066	+/-0.5	U		0.5		12/22/2017	15:55	LB92333
	Chloride	0.075	+/-0.15	U		0.15		12/22/2017	15:55	LB92333
	Fluoride	0.043	+/-0.1	U		0.1		12/22/2017	15:55	LB92333
	Phosphorus, Ortho	0.01	+/-0.25	U		0.25		12/22/2017	15:55	LB92333
	Nitrite	0.022	+/-0.15	U		0.15		12/22/2017	15:55	LB92333
	Nitrate	0.027	+/-0.13	U		0.13		12/22/2017	15:55	LB92333
	Sulfate	0.13	+/-0.75	U		0.75		12/22/2017	15:55	LB92333
CCB6	Bromide	0.066	+/-0.5	U		0.5		12/22/2017	22:06	LB92333
	Chloride	0.075	+/-0.15	U		0.15		12/22/2017	22:06	LB92333
	Fluoride	0.043	+/-0.1	U		0.1		12/22/2017	22:06	LB92333
	Phosphorus, Ortho	0.01	+/-0.25	U		0.25		12/22/2017	22:06	LB92333
	Nitrite	0.022	+/-0.15	U		0.15		12/22/2017	22:06	LB92333



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB92333SDG No.: LB92333

Contract: _____

Lab Code: CHEMCase No.: LB92333SAS No.: LB92333

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB6	Nitrate	0.027	+/-0.13	U		0.13		12/22/2017	22:06	LB92333
	Sulfate	0.13	+/-0.75	U		0.75		12/22/2017	22:06	LB92333
CCB7	Bromide	0.066	+/-0.5	U		0.5		12/23/2017	04:17	LB92333
	Chloride	0.075	+/-0.15	U		0.15		12/23/2017	04:17	LB92333
	Fluoride	0.043	+/-0.1	U		0.1		12/23/2017	04:17	LB92333
	Phosphorus, Ortho	0.01	+/-0.25	U		0.25		12/23/2017	04:17	LB92333
	Nitrite	0.022	+/-0.15	U		0.15		12/23/2017	04:17	LB92333
	Nitrate	0.027	+/-0.13	U		0.13		12/23/2017	04:17	LB92333
	Sulfate	0.13	+/-0.75	U		0.75		12/23/2017	04:17	LB92333
CCB8	Bromide	0.066	+/-0.5	U		0.5		12/23/2017	09:57	LB92333
	Chloride	0.075	+/-0.15	U		0.15		12/23/2017	09:57	LB92333
	Fluoride	0.043	+/-0.1	U		0.1		12/23/2017	09:57	LB92333
	Phosphorus, Ortho	0.01	+/-0.25	U		0.25		12/23/2017	09:57	LB92333
	Nitrite	0.022	+/-0.15	U		0.15		12/23/2017	09:57	LB92333
	Nitrate	0.027	+/-0.13	U		0.13		12/23/2017	09:57	LB92333
	Sulfate	0.13	+/-0.75	U		0.75		12/23/2017	09:57	LB92333
CCB9	Bromide	0.066	+/-0.5	U		0.5		12/26/2017	10:10	LB92333
	Chloride	0.075	+/-0.15	U		0.15		12/26/2017	10:10	LB92333
	Fluoride	0.043	+/-0.1	U		0.1		12/26/2017	10:10	LB92333
	Phosphorus, Ortho	0.01	+/-0.25	U		0.25		12/26/2017	10:10	LB92333
	Nitrite	0.022	+/-0.15	U		0.15		12/26/2017	10:10	LB92333
	Nitrate	0.027	+/-0.13	U		0.13		12/26/2017	10:10	LB92333
	Sulfate	0.13	+/-0.75	U		0.75		12/26/2017	10:10	LB92333
CCB10	Bromide	0.066	+/-0.5	U		0.5		12/26/2017	16:09	LB92333
	Chloride	0.075	+/-0.15	U		0.15		12/26/2017	16:09	LB92333
	Fluoride	0.043	+/-0.1	U		0.1		12/26/2017	16:09	LB92333
	Phosphorus, Ortho	0.01	+/-0.25	U		0.25		12/26/2017	16:09	LB92333
	Nitrite	0.022	+/-0.15	U		0.15		12/26/2017	16:09	LB92333
	Nitrate	0.027	+/-0.13	U		0.13		12/26/2017	16:09	LB92333
	Sulfate	0.13	+/-0.75	U		0.75		12/26/2017	16:09	LB92333
CCB11	Bromide	0.066	+/-0.5	U		0.5		12/26/2017	22:08	LB92333
	Chloride	0.075	+/-0.15	U		0.15		12/26/2017	22:08	LB92333
	Fluoride	0.043	+/-0.1	U		0.1		12/26/2017	22:08	LB92333
	Phosphorus, Ortho	0.01	+/-0.25	U		0.25		12/26/2017	22:08	LB92333
	Nitrite	0.022	+/-0.15	U		0.15		12/26/2017	22:08	LB92333
	Nitrate	0.027	+/-0.13	U		0.13		12/26/2017	22:08	LB92333
	Sulfate	0.13	+/-0.75	U		0.75		12/26/2017	22:08	LB92333
CCB12	Bromide	0.066	+/-0.5	U		0.5		12/26/2017	23:38	LB92333
	Chloride	0.075	+/-0.15	U		0.15		12/26/2017	23:38	LB92333
	Fluoride	0.043	+/-0.1	U		0.1		12/26/2017	23:38	LB92333



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB92333

SDG No.: LB92333

Contract:

Lab Code: CHEM

Case No.: LB92333

SAS No.: LB92333

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB12	Phosphorus, Ortho	0.01	+/-0.25	U		0.25		12/26/2017	23:38	LB92333
	Nitrite	0.022	+/-0.15	U		0.15		12/26/2017	23:38	LB92333
	Nitrate	0.027	+/-0.13	U		0.13		12/26/2017	23:38	LB92333
	Sulfate	0.13	+/-0.75	U		0.75		12/26/2017	23:38	LB92333



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB92333

SDG No.: LB92333

Contract: Lab Code: CHEM

Case No.: LB92333

SAS No.: LB92333

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: LB92333

SDG No.: LB92333

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
LB92333BLW		WATER		Batch Number:				Prep Date:		
	Bromide	0.066	<0.5	U		0.5		12/21/2017	14:50	LB92333
	Chloride	0.075	<0.15	U		0.15		12/21/2017	14:50	LB92333
	Fluoride	0.043	<0.1	U		0.1		12/21/2017	14:50	LB92333
	Phosphorus, Ortho	0.01	<0.25	U		0.25		12/21/2017	14:50	LB92333
	Nitrite	0.022	<0.15	U		0.15		12/21/2017	14:50	LB92333
	Nitrate	0.027	<0.13	U		0.13		12/21/2017	14:50	LB92333
	Sulfate	0.13	<0.75	U		0.75		12/21/2017	14:50	LB92333
Sample ID	Analyte	Result (mg/L)	Acceptance Limit	Conc Qual	LOD mg/L	CRQL mg/L	M	Analysis Date	Analysis Time	Run
LB92333BLW2		WATER		Batch Number:				Prep Date:		
	Bromide	0.066	<0.5	U		0.5		12/22/2017	10:08	LB92333
	Chloride	0.075	<0.15	U		0.15		12/22/2017	10:08	LB92333
	Fluoride	0.043	<0.1	U		0.1		12/22/2017	10:08	LB92333
	Phosphorus, Ortho	0.01	<0.25	U		0.25		12/22/2017	10:08	LB92333
	Nitrite	0.022	<0.15	U		0.15		12/22/2017	10:08	LB92333
	Nitrate	0.027	<0.13	U		0.13		12/22/2017	10:08	LB92333
	Sulfate	0.13	<0.75	U		0.75		12/22/2017	10:08	LB92333
Sample ID	Analyte	Result (mg/L)	Acceptance Limit	Conc Qual	LOD mg/L	CRQL mg/L	M	Analysis Date	Analysis Time	Run
LB92333BLW3		WATER		Batch Number:				Prep Date:		
	Bromide	0.066	<0.5	U		0.5		12/22/2017	22:37	LB92333
	Chloride	0.075	<0.15	U		0.15		12/22/2017	22:37	LB92333
	Fluoride	0.043	<0.1	U		0.1		12/22/2017	22:37	LB92333
	Phosphorus, Ortho	0.01	<0.25	U		0.25		12/22/2017	22:37	LB92333
	Nitrite	0.022	<0.15	U		0.15		12/22/2017	22:37	LB92333
	Nitrate	0.027	<0.13	U		0.13		12/22/2017	22:37	LB92333
	Sulfate	0.13	<0.75	U		0.75		12/22/2017	22:37	LB92333
Sample ID	Analyte	Result (mg/L)	Acceptance Limit	Conc Qual	LOD mg/L	CRQL mg/L	M	Analysis Date	Analysis Time	Run
LB92333BLW4		WATER		Batch Number:				Prep Date:		
	Bromide	0.066	<0.5	U		0.5		12/26/2017	10:40	LB92333
	Chloride	0.075	<0.15	U		0.15		12/26/2017	10:40	LB92333
	Fluoride	0.043	<0.1	U		0.1		12/26/2017	10:40	LB92333
	Phosphorus, Ortho	0.01	<0.25	U		0.25		12/26/2017	10:40	LB92333
	Nitrite	0.022	<0.15	U		0.15		12/26/2017	10:40	LB92333
	Nitrate	0.027	<0.13	U		0.13		12/26/2017	10:40	LB92333
	Sulfate	0.13	<0.75	U		0.75		12/26/2017	10:40	LB92333



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB92333 level: low sdg no.: LB92333
contract: _____ lab code: CHEM case no.: LB92333 sas no.: LB92333
matrix: WATER sample id: I7025-11 client id: MW-30VMS
Percent Solids for Sample: 0 Spiked ID: I7025-11MS 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	10.2		0.066	U	10	102		
Chloride	mg/L	80 - 120	272	OR	305	OR	3	-1100	*	
Fluoride	mg/L	80 - 120	2.6		0.25		2	117		
Phosphorus, Ortho	mg/L	80 - 120	1.3		0.01	U	5	26	*	
Nitrite	mg/L	80 - 120	0.73		0.022	U	3	24.3	*	
Nitrate	mg/L	80 - 120	2.5		0.027	U	2.5	100		
Sulfate	mg/L	80 - 120	16.2		1.5		15	98		



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB92333 **level:** low **sdg no.:** LB92333
contract: **lab code:** CHEM **case no.:** LB92333 **sas no.:** LB92333
matrix: WATER **sample id:** I7051-05 **client id:** MW-21SMS
Percent Solids for Sample: 0 **Spiked ID:** I7051-05MS **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	10.1		0.066	U	10	101	
Chloride	mg/L	80 - 120	930	OR	1020	OR	3	-3000	*
Fluoride	mg/L	80 - 120	2.8		0.63		2	109	
Phosphorus, Ortho	mg/L	80 - 120	8.4		0.01	U	5	168	*
Nitrite	mg/L	80 - 120	1.2		0.022	U	3	40	*
Nitrate	mg/L	80 - 120	3		0.61		2.5	96	
Sulfate	mg/L	80 - 120	87.4	OR	77.6	OR	15	65	*



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB92333 level: low sdg no.: LB92333
contract: lab code: CHEM case no.: LB92333 sas no.: LB92333
matrix: WATER sample id: I7054-04 client id: MW-2MS
Percent Solids for Sample: 0 Spiked ID: I7054-04MS 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	10.3		0.066	U	10	103		
Chloride	mg/L	80 - 120	353	OR	390	OR	3	-1233	*	
Fluoride	mg/L	80 - 120	2.4		0.043	U	2	120		
Phosphorus, Ortho	mg/L	80 - 120	9		0.01	U	5	180	*	
Nitrite	mg/L	80 - 120	0.54		0.022	U	3	18	*	
Nitrate	mg/L	80 - 120	4.6		2.2		2.5	96		
Sulfate	mg/L	80 - 120	60.6	OR	47	OR	15	91		

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DUPLICATE SAMPLE SUMMARY

Client: LB92333 **Level:** LOW **SDG No.:** LB92333
Contract: _____ **Lab Code:** CHEM **Case No.:** LB92333 **SAS No.:** LB92333
Matrix: WATER **Sample ID:** I7025-11 **Client ID:** MW-30VDUP
Percent Solids for Sample: 0 **Duplicate ID** I7025-11DUP **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	305	OR	301	OR	1		
Fluoride	mg/L	20	0.25		0.3		18		
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	1.5		1.5		0		

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DUPLICATE SAMPLE SUMMARY

Client: LB92333 **Level:** LOW **SDG No.:** LB92333
Contract: _____ **Lab Code:** CHEM **Case No.:** LB92333 **SAS No.:** LB92333
Matrix: WATER **Sample ID:** I7051-05 **Client ID:** MW-21SDUP
Percent Solids for Sample: 0 **Duplicate ID** I7051-05DUP **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	1020	OR	1050	OR	3		
Fluoride	mg/L	20	0.63		0.56		12		
Phosphorus, Ortho	mg/L	20	0.01	U	0	U			
Nitrite	mg/L	20	0.022	U	0	U			
Nitrate	mg/L	20	0.61		0.62		2		
Sulfate	mg/L	20	77.6	OR	79.4	OR	2		

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DUPLICATE SAMPLE SUMMARY

Client: LB92333 **Level:** LOW **SDG No.:** LB92333
Contract: **Lab Code:** CHEM **Case No.:** LB92333 **SAS No.:** LB92333
Matrix: WATER **Sample ID:** I7054-04 **Client ID:** MW-2DUP
Percent Solids for Sample: 0 **Duplicate ID** I7054-04DUP **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	390	OR	393	OR	1		
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	2.2		2.2		0		
Sulfate	mg/L	20	47	OR	47.4	OR	1		



GENCHEM

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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB92333

SDG No.: LB92333

Contract:

Lab Code: CHEM

Case No.: LB92333

SAS No.: LB92333

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
LB92333BSW							
Bromide	mg/L	10	9.8		98	90 - 110	
Chloride	mg/L	3	2.8		93.3	90 - 110	
Fluoride	mg/L	2	1.9		95	90 - 110	
Phosphorus, Ortho	mg/L	5	6.2		124	90 - 110	
Nitrite	mg/L	3	2.8		93.3	90 - 110	
Nitrate	mg/L	2.5	2.3		92	90 - 110	
Sulfate	mg/L	15	13.8		92	90 - 110	



GENCHEM

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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB92333

SDG No.: LB92333

Contract:

Lab Code: CHEM

Case No.: LB92333

SAS No.: LB92333

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
LB92333BSW2							
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	6.2		124	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	14.8		98.7	90 - 110	



GENCHEM

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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB92333

SDG No.: LB92333

Contract:

Lab Code: CHEM

Case No.: LB92333

SAS No.: LB92333

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
LB92333BSW3							
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	6.6		132	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	14.6		97.3	90 - 110	



GENCHEM

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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB92333

SDG No.: LB92333

Contract:

Lab Code: CHEM

Case No.: LB92333

SAS No.: LB92333

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
LB92333BSW4							
Bromide	mg/L	10	9.4		94	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	2.8		93.3	90 - 110	
Nitrate	mg/L	2.5	2.4		96	90 - 110	
Sulfate	mg/L	15	14.9		99.3	90 - 110	
