

Daily Analysis Runlog For Sequence/QC Batch ID # LB93789

Review By		Review On				
SubDirectory		LB93789		Test : Anions		
STD. NAME		STD REF.#				
ICAL Standard		WP62070,WP62071,WP62072,WP62073,WP62074,WP62075,WP62076				
ICV Standard		WP62077				
CCV Standard		wp62597				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		wp62598				
Chk Standard		wp62457,wp62459				
Sr#	SampleId	ClientID	QcType	Date	Comment	Status
1	STD1	STD1	CAL1	02/19/18 11:21		OK
2	STD2	STD2	CAL2	02/19/18 11:52		OK
3	STD3	STD3	CAL3	02/19/18 12:23		OK
4	STD4	STD4	CAL4	02/19/18 12:54		OK
5	STD5	STD5	CAL5	02/19/18 13:25		OK
6	STD6	STD6	CAL6	02/19/18 13:56		OK
7	STD7	STD7	CAL7	02/19/18 14:27		OK
8	ICV1	ICV1	ICV	02/20/18 10:46		OK
9	ICB1	ICB1	ICB	02/20/18 11:28		OK
10	CCV1	CCV1	CCV	03/09/18 10:52		OK
11	CCB1	CCB1	CCB	03/09/18 11:29		OK
12	LB93789BLW	LB93789BLW	MB	03/09/18 12:01		OK
13	LB93789BSW	LB93789BSW	LCS	03/09/18 12:33		OK
14	J1839-01	MW-1	SAM	03/09/18 13:09		OK
15	J1839-02	MW-3	SAM	03/09/18 13:41		OK
16	J1839-03	MW-4	SAM	03/09/18 14:13		OK
17	J1839-04	MW-2	SAM	03/09/18 14:45		OK
18	J1839-04DUP	MW-2DUP	DUP	03/09/18 15:17		OK
19	J1839-04MS	MW-2MS	MS	03/09/18 15:49		OK
20	J1839-04MSD	MW-2MSD	MSD	03/09/18 16:21		OK
21	J1839-01DL2	MW-1DL2	SAM	03/09/18 16:53		OK

284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Daily Analysis Runlog For Sequence/QC Batch ID # LB93789

Review By		Review On				
SubDirectory		Test : Anions				
LB93789						
STD. NAME		STD REF.#				
ICAL Standard		WP62070,WP62071,WP62072,WP62073,WP62074,WP62075,WP62076				
ICV Standard		WP62077				
CCV Standard		wp62597				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		wp62598				
Chk Standard		wp62457,wp62459				
22	CCV2	CCV2	CCV	03/09/18 17:25		OK
23	CCB2	CCB2	CCB	03/09/18 17:57		OK
24	J1839-01DL	MW-1DL	SAM	03/09/18 18:28		OK
25	J1839-02DL	MW-3DL	SAM	03/09/18 19:00		OK
26	J1839-03DL	MW-4DL	SAM	03/09/18 19:32		OK
27	J1839-04DL	MW-2DL	SAM	03/09/18 20:04		OK
28	J1839-04DL2	MW-2DL2	SAM	03/09/18 20:36		OK
29	CCV3	CCV3	CCV	03/09/18 21:08		OK
30	CCB3	CCB3	CCB	03/09/18 21:40		OK



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Report of Analysis

Client:		Date Collected:	3/6/2018 12:00:00 AM
Project:	LB93789	Date Received:	3/7/2018 12:00:00 AM
Client Sample ID:	MW-1	SDG No.:	LB93789
Lab Sample ID:	J1839-01	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		03/09/2018	300.0
	Chloride	321	OR	1	0.075		0.15	mg/L		03/09/2018	300.0
	Fluoride	0	U	1	0.043		0.1	mg/L		03/09/2018	300.0
	Nitrate	23.8	OR	1	0.027		0.13	mg/L		03/09/2018	300.0
	Nitrite	0	U	1	0.022		0.15	mg/L		03/09/2018	300.0
	Phosphorus, Ortho	0	U	1	0.01		0.25	mg/L		03/09/2018	300.0
	Sulfate	75	OR	1	0.13		0.75	mg/L		03/09/2018	300.0



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Report of Analysis

Client:		Date Collected:	3/6/2018 12:00:00 AM
Project:	LB93789	Date Received:	3/7/2018 12:00:00 AM
Client Sample ID:	MW-1DL	SDG No.:	LB93789
Lab Sample ID:	J1839-01DL	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	5	0.33		2.5	mg/L		03/09/2018	300.0
	Chloride	281	OR	5	0.38		0.75	mg/L		03/09/2018	300.0
	Fluoride	0	UD	5	0.22		0.5	mg/L		03/09/2018	300.0
	Nitrate	21.6	D	5	0.14		0.63	mg/L		03/09/2018	300.0
	Nitrite	0	UD	5	0.11		0.75	mg/L		03/09/2018	300.0
	Phosphorus, Ortho	0	UD	5	0.05		1.3	mg/L		03/09/2018	300.0
	Sulfate	65.6	D	5	0.66		3.8	mg/L		03/09/2018	300.0



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Report of Analysis

Client:		Date Collected:	3/6/2018 12:00:00 AM
Project:	LB93789	Date Received:	3/7/2018 12:00:00 AM
Client Sample ID:	MW-1DL2	SDG No.:	LB93789
Lab Sample ID:	J1839-01DL2	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		03/09/2018	300.0
	Chloride	223	D	50	3.8		7.5	mg/L		03/09/2018	300.0
	Fluoride	0	UD	50	2.2		5	mg/L		03/09/2018	300.0
	Nitrate	21.4	D	50	1.4		6.3	mg/L		03/09/2018	300.0
	Nitrite	0	UD	50	1.1		7.5	mg/L		03/09/2018	300.0
	Phosphorus, Ortho	0	UD	50	0.5		12.5	mg/L		03/09/2018	300.0
	Sulfate	89.4	D	50	6.6		37.5	mg/L		03/09/2018	300.0



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Report of Analysis

Client:		Date Collected:	3/6/2018 12:00:00 AM
Project:	LB93789	Date Received:	3/7/2018 12:00:00 AM
Client Sample ID:	MW-3	SDG No.:	LB93789
Lab Sample ID:	J1839-02	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		03/09/2018	300.0
	Chloride	119	OR	1	0.075		0.15	mg/L		03/09/2018	300.0
	Fluoride	0	U	1	0.043		0.1	mg/L		03/09/2018	300.0
	Nitrate	2.2		1	0.027		0.13	mg/L		03/09/2018	300.0
	Nitrite	0	U	1	0.022		0.15	mg/L		03/09/2018	300.0
	Phosphorus, Ortho	0	U	1	0.01		0.25	mg/L		03/09/2018	300.0
	Sulfate	8.9		1	0.13		0.75	mg/L		03/09/2018	300.0



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Report of Analysis

Client:		Date Collected:	3/6/2018 12:00:00 AM
Project:	LB93789	Date Received:	3/7/2018 12:00:00 AM
Client Sample ID:	MW-3DL	SDG No.:	LB93789
Lab Sample ID:	J1839-02DL	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		03/09/2018	300.0
	Chloride	85.1	D	20	1.5		3	mg/L		03/09/2018	300.0
	Fluoride	0	UD	20	0.86		2	mg/L		03/09/2018	300.0
	Nitrate	0	UD	20	0.54		2.5	mg/L		03/09/2018	300.0
	Nitrite	0	UD	20	0.44		3	mg/L		03/09/2018	300.0
	Phosphorus, Ortho	0	UD	20	0.2		5	mg/L		03/09/2018	300.0
	Sulfate	0	UD	20	2.6		15	mg/L		03/09/2018	300.0



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Report of Analysis

Client:		Date Collected:	3/6/2018 12:00:00 AM
Project:	LB93789	Date Received:	3/7/2018 12:00:00 AM
Client Sample ID:	MW-4	SDG No.:	LB93789
Lab Sample ID:	J1839-03	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		03/09/2018	300.0
	Chloride	118	OR	1	0.075		0.15	mg/L		03/09/2018	300.0
	Fluoride	0	U	1	0.043		0.1	mg/L		03/09/2018	300.0
	Nitrate	2.2		1	0.027		0.13	mg/L		03/09/2018	300.0
	Nitrite	0	U	1	0.022		0.15	mg/L		03/09/2018	300.0
	Phosphorus, Ortho	0	U	1	0.01		0.25	mg/L		03/09/2018	300.0
	Sulfate	8.9		1	0.13		0.75	mg/L		03/09/2018	300.0



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Report of Analysis

Client:		Date Collected:	3/6/2018 12:00:00 AM
Project:	LB93789	Date Received:	3/7/2018 12:00:00 AM
Client Sample ID:	MW-4DL	SDG No.:	LB93789
Lab Sample ID:	J1839-03DL	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	20	1.3		10	mg/L		03/09/2018	300.0
	Chloride	86.2	D	20	1.5		3	mg/L		03/09/2018	300.0
	Fluoride	0	UD	20	0.86		2	mg/L		03/09/2018	300.0
	Nitrate	0	UD	20	0.54		2.5	mg/L		03/09/2018	300.0
	Nitrite	0	UD	20	0.44		3	mg/L		03/09/2018	300.0
	Phosphorus, Ortho	0	UD	20	0.2		5	mg/L		03/09/2018	300.0
	Sulfate	0	UD	20	2.6		15	mg/L		03/09/2018	300.0



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Report of Analysis

Client:		Date Collected:	3/6/2018 12:00:00 AM
Project:	LB93789	Date Received:	3/7/2018 12:00:00 AM
Client Sample ID:	MW-2	SDG No.:	LB93789
Lab Sample ID:	J1839-04	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		03/09/2018	300.0
	Chloride	489	OR	1	0.075		0.15	mg/L		03/09/2018	300.0
	Fluoride	0	U	1	0.043		0.1	mg/L		03/09/2018	300.0
	Nitrate	6.6	OR	1	0.027		0.13	mg/L		03/09/2018	300.0
	Nitrite	0	U	1	0.022		0.15	mg/L		03/09/2018	300.0
	Phosphorus, Ortho	0	U	1	0.01		0.25	mg/L		03/09/2018	300.0
	Sulfate	27.3		1	0.13		0.75	mg/L		03/09/2018	300.0



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Report of Analysis

Client:		Date Collected:	3/6/2018 12:00:00 AM
Project:	LB93789	Date Received:	3/7/2018 12:00:00 AM
Client Sample ID:	MW-2DL	SDG No.:	LB93789
Lab Sample ID:	J1839-04DL	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		03/09/2018	300.0
	Chloride	477	OR	2	0.15		0.3	mg/L		03/09/2018	300.0
	Fluoride	0	UD	2	0.086		0.2	mg/L		03/09/2018	300.0
	Nitrate	6.3	D	2	0.054		0.25	mg/L		03/09/2018	300.0
	Nitrite	0	UD	2	0.044		0.3	mg/L		03/09/2018	300.0
	Phosphorus, Ortho	0	UD	2	0.02		0.5	mg/L		03/09/2018	300.0
	Sulfate	26.3	D	2	0.26		1.5	mg/L		03/09/2018	300.0



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Report of Analysis

Client:		Date Collected:	3/6/2018 12:00:00 AM
Project:	LB93789	Date Received:	3/7/2018 12:00:00 AM
Client Sample ID:	MW-2DL2	SDG No.:	LB93789
Lab Sample ID:	J1839-04DL2	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		03/09/2018	300.0
	Chloride	349	D	100	7.5		15	mg/L		03/09/2018	300.0
	Fluoride	0	UD	100	4.3		10	mg/L		03/09/2018	300.0
	Nitrate	0	UD	100	2.7		12.5	mg/L		03/09/2018	300.0
	Nitrite	0	UD	100	2.2		15	mg/L		03/09/2018	300.0
	Phosphorus, Ortho	0	UD	100	1		25	mg/L		03/09/2018	300.0
	Sulfate	0	UD	100	13.2		75	mg/L		03/09/2018	300.0



Report of Analysis

Client:		Date Collected:	3/6/2018 12:00:00 AM
Project:	LB93789	Date Received:	3/7/2018 12:00:00 AM
Client Sample ID:	MW-2DL2	SDG No.:	LB93789
Lab Sample ID:	J1839-04DL2	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



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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB93789

SDG No.: LB93789

Contract: _____ Lab Code: CHEM

Case No.: LB93789

SAS No.: LB93789

Initial Calibration Source: _____

Continuing Calibration Source: _____

Sample ID	Analyte	Result mg/L	True Value	% Recovery	Qual	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV1	Bromide	9.8	10	98		90 - 110		02/20/2018	10:46	LB93789
	Chloride	2.9	3	96.7		90 - 110		02/20/2018	10:46	LB93789
	Fluoride	2.1	2	105		90 - 110		02/20/2018	10:46	LB93789
	Phosphorus, Ortho	5	5	100		90 - 110		02/20/2018	10:46	LB93789
	Nitrite	3	3	100		90 - 110		02/20/2018	10:46	LB93789
	Nitrate	2.4	2.5	96		90 - 110		02/20/2018	10:46	LB93789
	Sulfate	15.4	15	102.7		90 - 110		02/20/2018	10:46	LB93789

Sample ID	Analyte	Result	True Value	%	Acceptance	M	Analysis Date	Analysis Time	Run Number
		mg/L		Recovery	Qual				
CCV1	Bromide	9.5	10	95	90 - 110		03/09/2018	10:52	LB93789
	Chloride	2.9	3	96.7	90 - 110		03/09/2018	10:52	LB93789
	Fluoride	2	2	100	90 - 110		03/09/2018	10:52	LB93789
	Phosphorus, Ortho	4.8	5	96	90 - 110		03/09/2018	10:52	LB93789
	Nitrite	2.9	3	96.7	90 - 110		03/09/2018	10:52	LB93789
	Nitrate	2.3	2.5	92	90 - 110		03/09/2018	10:52	LB93789
	Sulfate	13.7	15	91.3	90 - 110		03/09/2018	10:52	LB93789
CCV2	Bromide	9.9	10	99	90 - 110		03/09/2018	17:25	LB93789
	Chloride	3	3	100	90 - 110		03/09/2018	17:25	LB93789
	Fluoride	2.1	2	105	90 - 110		03/09/2018	17:25	LB93789
	Phosphorus, Ortho	5.6	5	112	*	90 - 110	03/09/2018	17:25	LB93789
	Nitrite	3	3	100	90 - 110		03/09/2018	17:25	LB93789
	Nitrate	2.4	2.5	96	90 - 110		03/09/2018	17:25	LB93789
	Sulfate	14.5	15	96.7	90 - 110		03/09/2018	17:25	LB93789
CCV3	Bromide	9.9	10	99	90 - 110		03/09/2018	21:08	LB93789
	Chloride	3	3	100	90 - 110		03/09/2018	21:08	LB93789
	Fluoride	2	2	100	90 - 110		03/09/2018	21:08	LB93789
	Phosphorus, Ortho	5.5	5	110	90 - 110		03/09/2018	21:08	LB93789
	Nitrite	3	3	100	90 - 110		03/09/2018	21:08	LB93789
	Nitrate	2.5	2.5	100	90 - 110		03/09/2018	21:08	LB93789
	Sulfate	14.6	15	97.3	90 - 110		03/09/2018	21:08	LB93789

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Bromide	0.066	+/-0.5	U		0.5		02/20/2018	11:28	LB93789
	Chloride	0.075	+/-0.15	U		0.15		02/20/2018	11:28	LB93789
	Fluoride	0.043	+/-0.1	U		0.1		02/20/2018	11:28	LB93789
	Phosphorus, Ortho	0.01	+/-0.25	U		0.25		02/20/2018	11:28	LB93789
	Nitrite	0.022	+/-0.15	U		0.15		02/20/2018	11:28	LB93789
	Nitrate	0.027	+/-0.13	U		0.13		02/20/2018	11:28	LB93789
	Sulfate	0.13	+/-0.75	U		0.75		02/20/2018	11:28	LB93789

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Bromide	0.066	+/-0.5	U		0.5		03/09/2018	11:29	LB93789
	Chloride	0.075	+/-0.15	U		0.15		03/09/2018	11:29	LB93789
	Fluoride	0.043	+/-0.1	U		0.1		03/09/2018	11:29	LB93789
	Phosphorus, Ortho	0.01	+/-0.25	U		0.25		03/09/2018	11:29	LB93789
	Nitrite	0.022	+/-0.15	U		0.15		03/09/2018	11:29	LB93789
	Nitrate	0.027	+/-0.13	U		0.13		03/09/2018	11:29	LB93789
	Sulfate	0.13	+/-0.75	U		0.75		03/09/2018	11:29	LB93789
CCB2	Bromide	0.066	+/-0.5	U		0.5		03/09/2018	17:57	LB93789
	Chloride	0.075	+/-0.15	U		0.15		03/09/2018	17:57	LB93789
	Fluoride	0.043	+/-0.1	U		0.1		03/09/2018	17:57	LB93789
	Phosphorus, Ortho	0.01	+/-0.25	U		0.25		03/09/2018	17:57	LB93789
	Nitrite	0.022	+/-0.15	U		0.15		03/09/2018	17:57	LB93789
	Nitrate	0.027	+/-0.13	U		0.13		03/09/2018	17:57	LB93789
	Sulfate	0.13	+/-0.75	U		0.75		03/09/2018	17:57	LB93789
CCB3	Bromide	0.066	+/-0.5	U		0.5		03/09/2018	21:40	LB93789
	Chloride	0.075	+/-0.15	U		0.15		03/09/2018	21:40	LB93789
	Fluoride	0.043	+/-0.1	U		0.1		03/09/2018	21:40	LB93789
	Phosphorus, Ortho	0.01	+/-0.25	U		0.25		03/09/2018	21:40	LB93789
	Nitrite	0.022	+/-0.15	U		0.15		03/09/2018	21:40	LB93789
	Nitrate	0.027	+/-0.13	U		0.13		03/09/2018	21:40	LB93789
	Sulfate	0.13	+/-0.75	U		0.75		03/09/2018	21:40	LB93789



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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB93789

SDG No.: LB93789

Contract: Lab Code: CHEM

Case No.: LB93789

SAS No.: LB93789

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: LB93789

SDG No.: LB93789

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
LB93789BLW		WATER		Batch Number:				Prep Date:		
	Bromide	0.066	<0.5	U		0.5		03/09/2018	12:01	LB93789
	Chloride	0.075	<0.15	U		0.15		03/09/2018	12:01	LB93789
	Fluoride	0.043	<0.1	U		0.1		03/09/2018	12:01	LB93789
	Phosphorus, Ortho	0.01	<0.25	U		0.25		03/09/2018	12:01	LB93789
	Nitrite	0.022	<0.15	U		0.15		03/09/2018	12:01	LB93789
	Nitrate	0.027	<0.13	U		0.13		03/09/2018	12:01	LB93789
	Sulfate	0.13	<0.75	U		0.75		03/09/2018	12:01	LB93789



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB93789 level: low sdg no.: LB93789
contract: _____ lab code: CHEM case no.: LB93789 sas no.: LB93789
matrix: WATER sample id: J1839-04 client id: MW-2MS
Percent Solids for Sample: 0 Spiked ID: J1839-04MS 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	9.9		0.066	U	10	99		
Chloride	mg/L	80 - 120	448	OR	489	OR	3	-1367	*	
Fluoride	mg/L	80 - 120	2.4		0.043	U	2	120		
Phosphorus, Ortho	mg/L	80 - 120	6.3		0.01	U	5	126	*	
Nitrite	mg/L	80 - 120	1.3		0.022	U	3	43.3	*	
Nitrate	mg/L	80 - 120	8.9	OR	6.6	OR	2.5	92		
Sulfate	mg/L	80 - 120	41.4	OR	27.3		15	94		



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client:	<u>LB93789</u>	level:	<u>low</u>	sdg no.:	<u>LB93789</u>			
contract:	<u> </u>	lab code:	<u>CHEM</u>	case no.:	<u>LB93789</u>	sas no.:	<u>LB93789</u>	
matrix:	<u>WATER</u>	sample id:	<u>J1839-04</u>	client id:	<u>MW-2MSD</u>			
Percent Solids for Sample:		<u>0</u>	Spiked ID:		<u>J1839-04MSD</u>	Percent Solids for Spike Sample:		<u>0</u>

Analyte	Units	Acceptance	MSD	Sample		Spike	%	Qual	M
		Limit %R	Result	C	Result	C	Added	Recovery	
Bromide	mg/L	80 - 120	10.3		0.066	U	10	103	
Chloride	mg/L	80 - 120	445	OR	489	OR	3	-1467	*
Fluoride	mg/L	80 - 120	2.5		0.043	U	2	125	*
Phosphorus, Ortho	mg/L	80 - 120	7.3		0.01	U	5	146	*
Nitrite	mg/L	80 - 120	1.3		0.022	U	3	43.3	*
Nitrate	mg/L	80 - 120	9	OR	6.6	OR	2.5	96	
Sulfate	mg/L	80 - 120	42.1	OR	27.3		15	99	

GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB93789 **Level:** LOW **SDG No.:** LB93789
Contract: _____ **Lab Code:** CHEM **Case No.:** LB93789 **SAS No.:** LB93789
Matrix: WATER **Sample ID:** J1839-04 **Client ID:** MW-2DUP
Percent Solids for Sample: 0 **Duplicate ID** J1839-04DUP **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	489	OR	494	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	6.6	OR	6.7	OR	2		
Sulfate	mg/L	20	27.3		27.5		1		

GENCHEM

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB93789 **Level:** LOW **SDG No.:** LB93789
Contract: _____ **Lab Code:** CHEM **Case No.:** LB93789 **SAS No.:** LB93789
Matrix: WATER **Sample ID:** J1839-04MS **Client ID:** MW-2MSD
Percent Solids for Sample: 0 **Duplicate ID** J1839-04MSD **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Bromide	mg/L	20	9.9		10.3		4		
Chloride	mg/L	20	448	OR	445	OR	1		
Fluoride	mg/L	20	2.4		2.5		4		
Phosphorus, Ortho	mg/L	20	6.3		7.3		15		
Nitrite	mg/L	20	1.3		1.3		0		
Nitrate	mg/L	20	8.9	OR	9	OR	1		
Sulfate	mg/L	20	41.4	OR	42.1	OR	2		



GENCHEM

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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB93789

SDG No.: LB93789

Contract:

Lab Code: CHEM

Case No.: LB93789

SAS No.: LB93789

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
LB93789BSW							
Bromide	mg/L	10	10.7		107	90 - 110	
Chloride	mg/L	3	3.2		106.7	90 - 110	
Fluoride	mg/L	2	2.4		120	90 - 110	
Phosphorus, Ortho	mg/L	5	5.7		114	90 - 110	
Nitrite	mg/L	3	3.2		106.7	90 - 110	
Nitrate	mg/L	2.5	2.7		108	90 - 110	
Sulfate	mg/L	15	16.2		108	90 - 110	
