

Daily Analysis Runlog For Sequence/QC Batch ID # LB92579

Review By

Review On

SubDirectory

LB92579

Test :

Anions

STD. NAME		STD REF.#				
ICAL Standard		WP60845,WP60846,WP60847,WP60848,WP60849,WP60850,WP60851				
ICV Standard		WP60852				
CCV Standard		WP60847				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP60852				
Chk Standard		WP60667,WP60668				

Sr#	SampleId	ClientID	QcType	Date	Comment	Status
1	STD1	STD1	CAL1	01/09/18 12:09		OK
2	STD2	STD2	CAL2	01/09/18 12:40		OK
3	STD3	STD3	CAL3	01/09/18 13:11		OK
4	STD4	STD4	CAL4	01/09/18 13:42		OK
5	STD5	STD5	CAL5	01/09/18 14:13		OK
6	STD6	STD6	CAL6	01/09/18 14:44		OK
7	STD7	STD7	CAL7	01/09/18 15:15		OK
8	ICV1	ICV1	ICV	01/09/18 16:48		OK
9	ICB1	ICB1	ICB	01/09/18 17:18		OK
10	CCV1	CCV1	CCV	01/11/18 09:58		OK
11	CCB1	CCB1	CCB	01/11/18 10:30		OK
12	LB92579BLW	LB92579BLW	MB	01/11/18 11:01		OK
13	LB92579BSW.	LB92579BSW.	LCS	01/11/18 11:32		OK
14	J1099-01	1 EXCELL	SAM	01/11/18 14:05		OK
15	J1105-01	2 MAINCELL	SAM	01/11/18 14:36		OK
16	J1105-01DUP	2 MAINCELLDUP	DUP	01/11/18 15:07		OK
17	J1105-01MS	2 MAINCELLMS	MS	01/11/18 15:38		OK
18	CCV2	CCV2	CCV	01/11/18 16:09		OK
19	CCB2	CCB2	CCB	01/11/18 16:40		OK
20	J1112-03	ENV-106-1(MW)	SAM	01/11/18 17:40		OK
21	J1112-04	ENV-116-6(MW)	SAM	01/11/18 18:10		OK

Daily Analysis Runlog For Sequence/QC Batch ID # LB92579

Review By		Review On				
SubDirectory		LB92579		Test : Anions		
STD. NAME		STD REF.#				
ICAL Standard		WP60845,WP60846,WP60847,WP60848,WP60849,WP60850,WP60851				
ICV Standard		WP60852				
CCV Standard		WP60847				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP60852				
Chk Standard		WP60667,WP60668				
22	J1112-05	ENV-125-11(MW)	SAM	01/11/18 18:41		OK
23	CCV3	CCV3	CCV	01/11/18 19:12		OK
24	CCB3	CCB3	CCB	01/11/18 19:43		OK
25	CCV4	CCV4	CCV	01/12/18 10:40		OK
26	CCB4	CCB4	CCB	01/12/18 11:11		OK
27	LB92579BLW2	LB92579BLW2	MB	01/12/18 11:42		OK
28	LB92579BSW2	LB92579BSW2	LCS	01/12/18 12:13		OK
29	J1112-08	ENV-106-1(MW)-DUP	SAM	01/12/18 16:45		OK
30	CCV5	CCV5	CCV	01/12/18 17:16		OK
31	CCB5	CCB5	CCB	01/12/18 17:47		OK



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:		Date Collected:	1/8/2018 12:00:00 AM
Project:	LB92579	Date Received:	1/11/2018 12:00:00 AM
Client Sample ID:	1 EXCELL	SDG No.:	LB92579
Lab Sample ID:	J1099-01	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		01/11/2018	300.0
	Chloride	0.23		1	0.075		0.15	mg/L		01/11/2018	300.0
	Fluoride	0	U	1	0.043		0.1	mg/L		01/11/2018	300.0
	Nitrate	0.4		1	0.027		0.13	mg/L		01/11/2018	300.0
	Nitrite	0	U	1	0.022		0.15	mg/L		01/11/2018	300.0
	Phosphorus, Ortho	0	U	1	0.01		0.25	mg/L		01/11/2018	300.0
	Sulfate	0	U	1	0.13		0.75	mg/L		01/11/2018	300.0



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:		Date Collected:	1/5/2018 12:00:00 AM
Project:	LB92579	Date Received:	1/11/2018 12:00:00 AM
Client Sample ID:	2 MAINCELL	SDG No.:	LB92579
Lab Sample ID:	J1105-01	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		01/11/2018	300.0
	Chloride	0.24		1	0.075		0.15	mg/L		01/11/2018	300.0
	Fluoride	0	U	1	0.043		0.1	mg/L		01/11/2018	300.0
	Nitrate	0.52		1	0.027		0.13	mg/L		01/11/2018	300.0
	Nitrite	0	U	1	0.022		0.15	mg/L		01/11/2018	300.0
	Phosphorus, Ortho	0	U	1	0.01		0.25	mg/L		01/11/2018	300.0
	Sulfate	0	U	1	0.13		0.75	mg/L		01/11/2018	300.0



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:		Date Collected:	1/10/2018 12:00:00 AM
Project:	LB92579	Date Received:	1/11/2018 12:00:00 AM
Client Sample ID:	ENV-106-1(MW)	SDG No.:	LB92579
Lab Sample ID:	J1112-03	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	0.84		1	0.066		0.5	mg/L		01/11/2018	300.0
	Chloride	622	OR	1	0.075		0.15	mg/L		01/11/2018	300.0
	Fluoride	0.55		1	0.043		0.1	mg/L		01/11/2018	300.0
	Nitrate	0.25		1	0.027		0.13	mg/L		01/11/2018	300.0
	Nitrite	0	U	1	0.022		0.15	mg/L		01/11/2018	300.0
	Phosphorus, Ortho	0	U	1	0.01		0.25	mg/L		01/11/2018	300.0
	Sulfate	169	OR	1	0.13		0.75	mg/L		01/11/2018	300.0



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:		Date Collected:	1/11/2018 12:00:00 AM
Project:	LB92579	Date Received:	1/11/2018 12:00:00 AM
Client Sample ID:	ENV-116-6(MW)	SDG No.:	LB92579
Lab Sample ID:	J1112-04	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		01/11/2018	300.0
	Chloride	619	OR	1	0.075		0.15	mg/L		01/11/2018	300.0
	Fluoride	0.85		1	0.043		0.1	mg/L		01/11/2018	300.0
	Nitrate	0	U	1	0.027		0.13	mg/L		01/11/2018	300.0
	Nitrite	0	U	1	0.022		0.15	mg/L		01/11/2018	300.0
	Phosphorus, Ortho	0	U	1	0.01		0.25	mg/L		01/11/2018	300.0
	Sulfate	0.93		1	0.13		0.75	mg/L		01/11/2018	300.0



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:		Date Collected:	1/11/2018 12:00:00 AM
Project:	LB92579	Date Received:	1/11/2018 12:00:00 AM
Client Sample ID:	ENV-125-11(MW)	SDG No.:	LB92579
Lab Sample ID:	J1112-05	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		01/11/2018	300.0
	Chloride	24.1	OR	1	0.075		0.15	mg/L		01/11/2018	300.0
	Fluoride	0.21		1	0.043		0.1	mg/L		01/11/2018	300.0
	Nitrate	0	U	1	0.027		0.13	mg/L		01/11/2018	300.0
	Nitrite	0	U	1	0.022		0.15	mg/L		01/11/2018	300.0
	Phosphorus, Ortho	0	U	1	0.01		0.25	mg/L		01/11/2018	300.0
	Sulfate	22.6		1	0.13		0.75	mg/L		01/11/2018	300.0



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:		Date Collected:	1/10/2018 12:00:00 AM
Project:	LB92579	Date Received:	1/11/2018 12:00:00 AM
Client Sample ID:	ENV-106-1(MW)-DUP	SDG No.:	LB92579
Lab Sample ID:	J1112-08	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	0.87		1	0.066		0.5	mg/L		01/12/2018	300.0
	Chloride	621	OR	1	0.075		0.15	mg/L		01/12/2018	300.0
	Fluoride	0.47		1	0.043		0.1	mg/L		01/12/2018	300.0
	Nitrate	0.24		1	0.027		0.13	mg/L		01/12/2018	300.0
	Nitrite	0	U	1	0.022		0.15	mg/L		01/12/2018	300.0
	Phosphorus, Ortho	0	U	1	0.01		0.25	mg/L		01/12/2018	300.0
	Sulfate	170	OR	1	0.13		0.75	mg/L		01/12/2018	300.0



Report of Analysis

Client:		Date Collected:	1/10/2018 12:00:00 AM
Project:	LB92579	Date Received:	1/11/2018 12:00:00 AM
Client Sample ID:	ENV-106-1(MW)-DUP	SDG No.:	LB92579
Lab Sample ID:	J1112-08	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
-----	-----------	-------	------	----	-----	-----	------------	-------	-----------	-----------	----------

Color Before:

Clarity Before:

Texture:

Color After:

Clarity After:

Artifacts:

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB92579

SDG No.: LB92579

Contract: _____ Lab Code: CHEM

Case No.: LB92579

SAS No.: LB92579

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
ICV1	Bromide	9.9	10	99	0	90 - 110		01/09/2018	16:48	LB92579
	Chloride	3	3	100	0	90 - 110		01/09/2018	16:48	LB92579
	Fluoride	2	2	100	0	90 - 110		01/09/2018	16:48	LB92579
	Phosphorus, Ortho	5.4	5	108	0	90 - 110		01/09/2018	16:48	LB92579
	Nitrite	3	3	100	0	90 - 110		01/09/2018	16:48	LB92579
	Nitrate	2.5	2.5	100	0	90 - 110		01/09/2018	16:48	LB92579
	Sulfate	14.7	15	98	0	90 - 110		01/09/2018	16:48	LB92579



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB92579

SDG No.: LB92579

Contract: _____ Lab Code: CHEM

Case No.: LB92579

SAS No.: LB92579

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
CCV1	Bromide	9.6	10	96	0	90 - 110		01/11/2018	09:58	LB92579
	Chloride	2.9	3	96.7	0	90 - 110		01/11/2018	09:58	LB92579
	Fluoride	1.9	2	95	0	90 - 110		01/11/2018	09:58	LB92579
	Phosphorus, Ortho	5.4	5	108	0	90 - 110		01/11/2018	09:58	LB92579
	Nitrite	2.8	3	93.3	0	90 - 110		01/11/2018	09:58	LB92579
	Nitrate	2.3	2.5	92	0	90 - 110		01/11/2018	09:58	LB92579
	Sulfate	14.1	15	94	0	90 - 110		01/11/2018	09:58	LB92579
CCV2	Bromide	9.6	10	96	0	90 - 110		01/11/2018	16:09	LB92579
	Chloride	2.8	3	93.3	0	90 - 110		01/11/2018	16:09	LB92579
	Fluoride	2.1	2	105	0	90 - 110		01/11/2018	16:09	LB92579
	Phosphorus, Ortho	5.7	5	114	0	90 - 110		01/11/2018	16:09	LB92579
	Nitrite	2.8	3	93.3	0	90 - 110		01/11/2018	16:09	LB92579
	Nitrate	2.4	2.5	96	0	90 - 110		01/11/2018	16:09	LB92579
	Sulfate	14.2	15	94.7	0	90 - 110		01/11/2018	16:09	LB92579
CCV3	Bromide	9.6	10	96	0	90 - 110		01/11/2018	19:12	LB92579
	Chloride	2.9	3	96.7	0	90 - 110		01/11/2018	19:12	LB92579
	Fluoride	2	2	100	0	90 - 110		01/11/2018	19:12	LB92579
	Phosphorus, Ortho	6.1	5	122	0	90 - 110		01/11/2018	19:12	LB92579
	Nitrite	2.9	3	96.7	0	90 - 110		01/11/2018	19:12	LB92579
	Nitrate	2.4	2.5	96	0	90 - 110		01/11/2018	19:12	LB92579
	Sulfate	14.2	15	94.7	0	90 - 110		01/11/2018	19:12	LB92579
CCV4	Bromide	9.6	10	96	0	90 - 110		01/12/2018	10:40	LB92579
	Chloride	2.9	3	96.7	0	90 - 110		01/12/2018	10:40	LB92579
	Fluoride	2	2	100	0	90 - 110		01/12/2018	10:40	LB92579
	Phosphorus, Ortho	5.7	5	114	0	90 - 110		01/12/2018	10:40	LB92579
	Nitrite	2.9	3	96.7	0	90 - 110		01/12/2018	10:40	LB92579
	Nitrate	2.4	2.5	96	0	90 - 110		01/12/2018	10:40	LB92579
	Sulfate	14.3	15	95.3	0	90 - 110		01/12/2018	10:40	LB92579
CCV5	Bromide	9.7	10	97	0	90 - 110		01/12/2018	17:16	LB92579
	Chloride	2.9	3	96.7	0	90 - 110		01/12/2018	17:16	LB92579
	Fluoride	1.9	2	95	0	90 - 110		01/12/2018	17:16	LB92579
	Phosphorus, Ortho	5.9	5	118	0	90 - 110		01/12/2018	17:16	LB92579
	Nitrite	2.8	3	93.3	0	90 - 110		01/12/2018	17:16	LB92579
	Nitrate	2.4	2.5	96	0	90 - 110		01/12/2018	17:16	LB92579



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB92579

SDG No.: LB92579

Contract: _____

Lab Code: CHEM

Case No.: LB92579

SAS No.: LB92579

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
CCV5	Sulfate	14.3	15	95.3	0	90 - 110		01/12/2018	17:16	LB92579



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB92579

SDG No.: LB92579

Contract: Lab Code: CHEM

Case No.: LB92579

SAS No.: LB92579

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		01/09/2018	17:18	LB92579
	Chloride	0.075	+/-0.15	U		0.15		01/09/2018	17:18	LB92579
	Fluoride	0.043	+/-0.1	U		0.1		01/09/2018	17:18	LB92579
	Phosphorus, Ortho	0.01	+/-0.25	U		0.25		01/09/2018	17:18	LB92579
	Nitrite	0.022	+/-0.15	U		0.15		01/09/2018	17:18	LB92579
	Nitrate	0.027	+/-0.13	U		0.13		01/09/2018	17:18	LB92579
	Sulfate	0.13	+/-0.75	U		0.75		01/09/2018	17:18	LB92579



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB92579 SDG No.: LB92579
Contract: _____ Lab Code: CHEM Case No.: LB92579 SAS No.: LB92579

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		01/11/2018	10:30	LB92579
	Chloride	0.075	+/-0.15	U		0.15		01/11/2018	10:30	LB92579
	Fluoride	0.043	+/-0.1	U		0.1		01/11/2018	10:30	LB92579
	Phosphorus, Ortho	0.01	+/-0.25	U		0.25		01/11/2018	10:30	LB92579
	Nitrite	0.022	+/-0.15	U		0.15		01/11/2018	10:30	LB92579
	Nitrate	0.027	+/-0.13	U		0.13		01/11/2018	10:30	LB92579
	Sulfate	0.13	+/-0.75	U		0.75		01/11/2018	10:30	LB92579
CCB2	Bromide	0.066	+/-0.5	U		0.5		01/11/2018	16:40	LB92579
	Chloride	0.075	+/-0.15	U		0.15		01/11/2018	16:40	LB92579
	Fluoride	0.043	+/-0.1	U		0.1		01/11/2018	16:40	LB92579
	Phosphorus, Ortho	0.01	+/-0.25	U		0.25		01/11/2018	16:40	LB92579
	Nitrite	0.022	+/-0.15	U		0.15		01/11/2018	16:40	LB92579
	Nitrate	0.027	+/-0.13	U		0.13		01/11/2018	16:40	LB92579
	Sulfate	0.13	+/-0.75	U		0.75		01/11/2018	16:40	LB92579
CCB3	Bromide	0.066	+/-0.5	U		0.5		01/11/2018	19:43	LB92579
	Chloride	0.075	+/-0.15	U		0.15		01/11/2018	19:43	LB92579
	Fluoride	0.043	+/-0.1	U		0.1		01/11/2018	19:43	LB92579
	Phosphorus, Ortho	0.01	+/-0.25	U		0.25		01/11/2018	19:43	LB92579
	Nitrite	0.022	+/-0.15	U		0.15		01/11/2018	19:43	LB92579
	Nitrate	0.027	+/-0.13	U		0.13		01/11/2018	19:43	LB92579
	Sulfate	0.13	+/-0.75	U		0.75		01/11/2018	19:43	LB92579
CCB4	Bromide	0.066	+/-0.5	U		0.5		01/12/2018	11:11	LB92579
	Chloride	0.075	+/-0.15	U		0.15		01/12/2018	11:11	LB92579
	Fluoride	0.043	+/-0.1	U		0.1		01/12/2018	11:11	LB92579
	Phosphorus, Ortho	0.01	+/-0.25	U		0.25		01/12/2018	11:11	LB92579
	Nitrite	0.022	+/-0.15	U		0.15		01/12/2018	11:11	LB92579
	Nitrate	0.027	+/-0.13	U		0.13		01/12/2018	11:11	LB92579
	Sulfate	0.13	+/-0.75	U		0.75		01/12/2018	11:11	LB92579
CCB5	Bromide	0.066	+/-0.5	U		0.5		01/12/2018	17:47	LB92579
	Chloride	0.075	+/-0.15	U		0.15		01/12/2018	17:47	LB92579
	Fluoride	0.043	+/-0.1	U		0.1		01/12/2018	17:47	LB92579
	Phosphorus, Ortho	0.01	+/-0.25	U		0.25		01/12/2018	17:47	LB92579
	Nitrite	0.022	+/-0.15	U		0.15		01/12/2018	17:47	LB92579
	Nitrate	0.027	+/-0.13	U		0.13		01/12/2018	17:47	LB92579
	Sulfate	0.13	+/-0.75	U		0.75		01/12/2018	17:47	LB92579



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB92579

SDG No.: LB92579

Contract: Lab Code: CHEM

Case No.: LB92579

SAS No.: LB92579

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
-----------	---------	----------------	---------------------	--------------	-----	------	---	------------------	------------------	---------------



GENCHEM
- 3b -
PREPARATION BLANK SUMMARY

Client: LB92579

SDG No.: LB92579

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
LB92579BLW		WATER		Batch Number:				Prep Date:		
	Bromide	0.066	<0.5	U		0.5		01/11/2018	11:01	LB92579
	Chloride	0.075	<0.15	U		0.15		01/11/2018	11:01	LB92579
	Fluoride	0.043	<0.1	U		0.1		01/11/2018	11:01	LB92579
	Phosphorus, Ortho	0.01	<0.25	U		0.25		01/11/2018	11:01	LB92579
	Nitrite	0.022	<0.15	U		0.15		01/11/2018	11:01	LB92579
	Nitrate	0.027	<0.13	U		0.13		01/11/2018	11:01	LB92579
	Sulfate	0.13	<0.75	U		0.75		01/11/2018	11:01	LB92579
Sample ID	Analyte	Result (mg/L)	Acceptance Limit	Conc Qual	LOD mg/L	CRQL mg/L	M	Analysis Date	Analysis Time	Run
LB92579BLW2		WATER		Batch Number:				Prep Date:		
	Bromide	0.066	<0.5	U		0.5		01/12/2018	11:42	LB92579
	Chloride	0.075	<0.15	U		0.15		01/12/2018	11:42	LB92579
	Fluoride	0.043	<0.1	U		0.1		01/12/2018	11:42	LB92579
	Phosphorus, Ortho	0.01	<0.25	U		0.25		01/12/2018	11:42	LB92579
	Nitrite	0.022	<0.15	U		0.15		01/12/2018	11:42	LB92579
	Nitrate	0.027	<0.13	U		0.13		01/12/2018	11:42	LB92579
	Sulfate	0.13	<0.75	U		0.75		01/12/2018	11:42	LB92579



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB92579 level: low sdg no.: LB92579
contract: _____ lab code: CHEM case no.: LB92579 sas no.: LB92579
matrix: WATER sample id: J1105-01 client id: 2 MAINCELLMS
Percent Solids for Sample: 0 Spiked ID: J1105-01MS 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	9.1		0.066	U	10	91		
Chloride	mg/L	80 - 120	2.8		0.24		3	85		
Fluoride	mg/L	80 - 120	1.8		0.043	U	2	90		
Phosphorus, Ortho	mg/L	80 - 120	5.3		0.01	U	5	106		
Nitrite	mg/L	80 - 120	2.7		0.022	U	3	90		
Nitrate	mg/L	80 - 120	2.7		0.52		2.5	87		
Sulfate	mg/L	80 - 120	14.2		0.13	U	15	94.7		

GENCHEM

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB92579 **Level:** LOW **SDG No.:** LB92579
Contract: _____ **Lab Code:** CHEM **Case No.:** LB92579 **SAS No.:** LB92579
Matrix: WATER **Sample ID:** J1105-01 **Client ID:** 2 MAINCELLDUP
Percent Solids for Sample: 0 **Duplicate ID** J1105-01DUP **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	0.24		0.24		0		
Fluoride	mg/L	20	0.043	U	0	U			
Phosphorus, Ortho	mg/L	20	0.01	U	0	U			
Nitrite	mg/L	20	0.022	U	0	U			
Nitrate	mg/L	20	0.52		0.53		2		
Sulfate	mg/L	20	0.13	U	0	U			



GENCHEM

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: LB92579

SDG No.: LB92579

Contract:

Lab Code: CHEM

Case No.: LB92579

SAS No.: LB92579

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
LB92579BSW.							
Bromide	mg/L	10	9.5		95	90 - 110	
Chloride	mg/L	3	2.8		93.3	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	14.2		94.7	90 - 110	



GENCHEM

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: LB92579

SDG No.: LB92579

Contract: _____

Lab Code: CHEM

Case No.: LB92579

SAS No.: LB92579

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
LB92579BSW2							
Bromide	mg/L	10	9.5		95	90 - 110	
Chloride	mg/L	3	2.8		93.3	90 - 110	
Fluoride	mg/L	2	2		100	90 - 110	
Phosphorus, Ortho	mg/L	5	5.9		118	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	14.1		94	90 - 110	
