

Daily Analysis Runlog For Sequence/QC Batch ID # LB94134

Review By		Review On				
SubDirectory		LB94134		Test : Anions		
STD. NAME		STD REF.#				
ICAL Standard		wp62836,wp62837,wp62838,wp62839,wp62840,wp62841,wp62842,wp62843				
ICV Standard		wp62844				
CCV Standard		WP62986				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP62987				
Chk Standard		wp62457,wp62459				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	STD1	STD1	CAL1	03/19/18 11:39		OK
2	STD2	STD2	CAL2	03/19/18 12:11		OK
3	STD3	STD3	CAL3	03/19/18 12:43		OK
4	STD4	STD4	CAL4	03/19/18 13:15		OK
5	STD5	STD5	CAL5	03/19/18 13:47		OK
6	STD6	STD6	CAL6	03/19/18 14:19		OK
7	STD7	STD7	CAL7	03/19/18 14:51		OK
8	ICV1	ICV1	ICV	03/19/18 16:27		OK
9	ICB1	ICB1	ICB	03/19/18 17:23		OK
10	CCV1	CCV1	CCV	03/23/18 10:09		OK
11	CCB1	CCB1	CCB	03/23/18 10:40		OK
12	LB94134BLW	LB94134BLW	MB	03/23/18 11:11		OK
13	LB94134BSW	LB94134BSW	LCS	03/23/18 11:42		OK
14	J2025-01	CELL-A	SAM	03/23/18 13:52		OK
15	J2025-02	CELLS-B-C	SAM	03/23/18 14:23		OK
16	J2025-03	CELL-D	SAM	03/23/18 15:13		OK
17	J2026-01	GILROY-OMEGA-CE	SAM	03/23/18 15:51		OK
18	J2026-01DUP	GILROY-OMEGA-CE	DUP	03/23/18 16:22		OK
19	J2026-01MS	GILROY-OMEGA-CE	MS	03/23/18 16:53		OK
20	J2026-01MSD	GILROY-OMEGA-CE	MSD	03/23/18 17:24		OK
21	CCV2	CCV2	CCV	03/23/18 17:55		OK

Daily Analysis Runlog For Sequence/QC Batch ID # LB94134

Review By		Review On				
SubDirectory		LB94134		Test : Anions		
STD. NAME		STD REF.#				
ICAL Standard		wp62836,wp62837,wp62838,wp62839,wp62840,wp62841,wp62842,wp62843				
ICV Standard		wp62844				
CCV Standard		WP62986				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP62987				
Chk Standard		wp62457,wp62459				
22	CCB2	CCB2	CCB	03/23/18 18:26		OK
23	J2054-01	MW-02-20180323-DE	SAM	03/23/18 18:56	CCV3 fail for No3	ReRun
24	CCV3	CCV3	CCV	03/23/18 19:27	Fail for O-PO4,No3	OK
25	CCB3	CCB3	CCB	03/23/18 19:58		OK
26	CCV4	CCV4	CCV	03/26/18 15:29	Fail for O-PO4	OK
27	CCB4	CCB4	CCB	03/26/18 16:00		OK
28	LB94134BLW2	LB94134BLW2	MB	03/26/18 16:31		OK
29	LB94134BSW2	LB94134BSW2	LCS	03/26/18 17:02		OK
30	J2054-01RE	MW-02-20180323-DE	SAM	03/26/18 17:33		Confirms
31	J2054-01DUPRE	MW-02-20180323-DE	DUP	03/26/18 18:04		OK
32	J2054-01MSRE	MW-02-20180323-DE	MS	03/26/18 18:35		OK
33	J2054-01MSDRE	MW-02-20180323-DE	MSD	03/26/18 19:06		OK
34	CCV5	CCV5	CCV	03/26/18 19:37		OK
35	CCB5	CCB5	CCB	03/26/18 20:08		OK



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

Report of Analysis

Client:		Date Collected:	3/19/2018 12:00:00 AM
Project:	LB94134	Date Received:	3/23/2018 12:00:00 AM
Client Sample ID:	CELL-A	SDG No.:	LB94134
Lab Sample ID:	J2025-01	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		03/23/2018	300.0
	Chloride	0	U	1	0.075		0.15	mg/L		03/23/2018	300.0
	Fluoride	0	U	1	0.043		0.1	mg/L		03/23/2018	300.0
	Nitrate	0	U	1	0.027		0.13	mg/L		03/23/2018	300.0
	Nitrite	0	U	1	0.022		0.15	mg/L		03/23/2018	300.0
	Phosphorus, Ortho	0	U	1	0.01		0.25	mg/L		03/23/2018	300.0
	Sulfate	0	U	1	0.13		0.75	mg/L		03/23/2018	300.0



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Report of Analysis

Client:		Date Collected:	3/19/2018 12:00:00 AM
Project:	LB94134	Date Received:	3/23/2018 12:00:00 AM
Client Sample ID:	CELLS-B-C	SDG No.:	LB94134
Lab Sample ID:	J2025-02	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		03/23/2018	300.0
	Chloride	0	U	1	0.075		0.15	mg/L		03/23/2018	300.0
	Fluoride	0	U	1	0.043		0.1	mg/L		03/23/2018	300.0
	Nitrate	0	U	1	0.027		0.13	mg/L		03/23/2018	300.0
	Nitrite	0	U	1	0.022		0.15	mg/L		03/23/2018	300.0
	Phosphorus, Ortho	0	U	1	0.01		0.25	mg/L		03/23/2018	300.0
	Sulfate	0	U	1	0.13		0.75	mg/L		03/23/2018	300.0



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Report of Analysis

Client:		Date Collected:	3/19/2018 12:00:00 AM
Project:	LB94134	Date Received:	3/23/2018 12:00:00 AM
Client Sample ID:	CELL-D	SDG No.:	LB94134
Lab Sample ID:	J2025-03	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		03/23/2018	300.0
	Chloride	0	U	1	0.075		0.15	mg/L		03/23/2018	300.0
	Fluoride	0	U	1	0.043		0.1	mg/L		03/23/2018	300.0
	Nitrate	0.16		1	0.027		0.13	mg/L		03/23/2018	300.0
	Nitrite	0	U	1	0.022		0.15	mg/L		03/23/2018	300.0
	Phosphorus, Ortho	0	U	1	0.01		0.25	mg/L		03/23/2018	300.0
	Sulfate	0	U	1	0.13		0.75	mg/L		03/23/2018	300.0



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Report of Analysis

Client:		Date Collected:	3/16/2018 12:00:00 AM
Project:	LB94134	Date Received:	3/23/2018 12:00:00 AM
Client Sample ID:	GILROY-OMEGA-CELL	SDG No.:	LB94134
Lab Sample ID:	J2026-01	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		03/23/2018	300.0
	Chloride	0	U	1	0.075		0.15	mg/L		03/23/2018	300.0
	Fluoride	0	U	1	0.043		0.1	mg/L		03/23/2018	300.0
	Nitrate	0	U	1	0.027		0.13	mg/L		03/23/2018	300.0
	Nitrite	0	U	1	0.022		0.15	mg/L		03/23/2018	300.0
	Phosphorus, Ortho	0	U	1	0.01		0.25	mg/L		03/23/2018	300.0
	Sulfate	0	U	1	0.13		0.75	mg/L		03/23/2018	300.0



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Report of Analysis

Client:		Date Collected:	3/23/2018 12:00:00 AM
Project:	LB94134	Date Received:	3/23/2018 12:00:00 AM
Client Sample ID:	MW-02-20180323-DEP	SDG No.:	LB94134
Lab Sample ID:	J2054-01	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	2		1	0.066		0.5	mg/L		03/23/2018	300.0
	Chloride	1240	OR	1	0.075		0.15	mg/L		03/23/2018	300.0
	Fluoride	0	U	1	0.043		0.1	mg/L		03/23/2018	300.0
	Nitrate	0	U	1	0.027		0.13	mg/L		03/23/2018	300.0
	Nitrite	0	U	1	0.022		0.15	mg/L		03/23/2018	300.0
	Phosphorus, Ortho	0	U	1	0.01		0.25	mg/L		03/23/2018	300.0
	Sulfate	4.8		1	0.13		0.75	mg/L		03/23/2018	300.0



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Report of Analysis

Client:		Date Collected:	3/23/2018 12:00:00 AM
Project:	LB94134	Date Received:	3/23/2018 12:00:00 AM
Client Sample ID:	MW-02-20180323-DEPRE	SDG No.:	LB94134
Lab Sample ID:	J2054-01RE	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Bromide	2		1	0.066		0.5	mg/L		03/26/2018	300.0
	Chloride	1230	OR	1	0.075		0.15	mg/L		03/26/2018	300.0
	Fluoride	0	U	1	0.043		0.1	mg/L		03/26/2018	300.0
	Nitrate	0	U	1	0.027		0.13	mg/L		03/26/2018	300.0
	Nitrite	0	U	1	0.022		0.15	mg/L		03/26/2018	300.0
	Phosphorus, Ortho	0	U	1	0.01		0.25	mg/L		03/26/2018	300.0
	Sulfate	5.1		1	0.13		0.75	mg/L		03/26/2018	300.0



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Report of Analysis

Client:		Date Collected:	3/23/2018 12:00:00 AM
Project:	LB94134	Date Received:	3/23/2018 12:00:00 AM
Client Sample ID:	MW-02-20180323-DEPRE	SDG No.:	LB94134
Lab Sample ID:	J2054-01RE	Matrix:	WATER
Level (low/med):	low	% Solid:	0

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

Clarity Before:

Texture:

Color After:

Clarity After:

Artifacts:

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

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

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

OR = Over Range

N = Spiked sample recovery not within control limits



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- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB94134

SDG No.: LB94134

Contract: _____ Lab Code: CHEM

Case No.: LB94134

SAS No.: LB94134

Initial Calibration Source: _____

Continuing Calibration Source: _____

Sample ID	Analyte	Result mg/L	True Value	% Recovery	Qual	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV1	Bromide	9.7	10	97		90 - 110		03/19/2018	16:27	LB94134
	Chloride	2.9	3	96.7		90 - 110		03/19/2018	16:27	LB94134
	Fluoride	2	2	100		90 - 110		03/19/2018	16:27	LB94134
	Phosphorus, Ortho	5.3	5	106		90 - 110		03/19/2018	16:27	LB94134
	Nitrite	2.9	3	96.7		90 - 110		03/19/2018	16:27	LB94134
	Nitrate	2.4	2.5	96		90 - 110		03/19/2018	16:27	LB94134
	Sulfate	15.2	15	101.3		90 - 110		03/19/2018	16:27	LB94134



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- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB94134

SDG No.: LB94134

Contract: _____ Lab Code: CHEM

Case No.: LB94134

SAS No.: LB94134

Initial Calibration Source: _____

Continuing Calibration Source: _____

Sample ID	Analyte	Result mg/L	True Value	% Recovery	Qual	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV1	Bromide	9.2	10	92		90 - 110		03/23/2018	10:09	LB94134
	Chloride	2.8	3	93.3		90 - 110		03/23/2018	10:09	LB94134
	Fluoride	1.9	2	95		90 - 110		03/23/2018	10:09	LB94134
	Phosphorus, Ortho	4.9	5	98		90 - 110		03/23/2018	10:09	LB94134
	Nitrite	2.8	3	93.3		90 - 110		03/23/2018	10:09	LB94134
	Nitrate	2.3	2.5	92		90 - 110		03/23/2018	10:09	LB94134
	Sulfate	13.9	15	92.7		90 - 110		03/23/2018	10:09	LB94134
CCV2	Bromide	9.2	10	92		90 - 110		03/23/2018	17:55	LB94134
	Chloride	2.8	3	93.3		90 - 110		03/23/2018	17:55	LB94134
	Fluoride	1.9	2	95		90 - 110		03/23/2018	17:55	LB94134
	Phosphorus, Ortho	4.8	5	96		90 - 110		03/23/2018	17:55	LB94134
	Nitrite	2.9	3	96.7		90 - 110		03/23/2018	17:55	LB94134
	Nitrate	2.3	2.5	92		90 - 110		03/23/2018	17:55	LB94134
	Sulfate	14	15	93.3		90 - 110		03/23/2018	17:55	LB94134
CCV3	Bromide	9.1	10	91		90 - 110		03/23/2018	19:27	LB94134
	Chloride	2.8	3	93.3		90 - 110		03/23/2018	19:27	LB94134
	Fluoride	1.8	2	90		90 - 110		03/23/2018	19:27	LB94134
	Phosphorus, Ortho	5.7	5	114	*	90 - 110		03/23/2018	19:27	LB94134
	Nitrite	2.7	3	90		90 - 110		03/23/2018	19:27	LB94134
	Nitrate	2.2	2.5	88	*	90 - 110		03/23/2018	19:27	LB94134
	Sulfate	13.6	15	90.7		90 - 110		03/23/2018	19:27	LB94134
CCV4	Bromide	9.3	10	93		90 - 110		03/26/2018	15:29	LB94134
	Chloride	2.9	3	96.7		90 - 110		03/26/2018	15:29	LB94134
	Fluoride	2.1	2	105		90 - 110		03/26/2018	15:29	LB94134
	Phosphorus, Ortho	5.7	5	114	*	90 - 110		03/26/2018	15:29	LB94134
	Nitrite	2.8	3	93.3		90 - 110		03/26/2018	15:29	LB94134
	Nitrate	2.3	2.5	92		90 - 110		03/26/2018	15:29	LB94134
	Sulfate	14.4	15	96		90 - 110		03/26/2018	15:29	LB94134
CCV5	Bromide	9.4	10	94		90 - 110		03/26/2018	19:37	LB94134
	Chloride	2.9	3	96.7		90 - 110		03/26/2018	19:37	LB94134
	Fluoride	1.9	2	95		90 - 110		03/26/2018	19:37	LB94134
	Phosphorus, Ortho	5.3	5	106		90 - 110		03/26/2018	19:37	LB94134
	Nitrite	2.8	3	93.3		90 - 110		03/26/2018	19:37	LB94134
	Nitrate	2.3	2.5	92		90 - 110		03/26/2018	19:37	LB94134



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- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB94134

SDG No.: LB94134

Contract: _____

Lab Code: CHEM

Case No.: LB94134

SAS No.: LB94134

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
CCV5	Sulfate	14.5	15	96.7		90 - 110		03/26/2018	19:37	LB94134



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB94134

SDG No.: LB94134

Contract: Lab Code: CHEM

Case No.: LB94134

SAS No.: LB94134

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Bromide	0.066	+/-0.5	U		0.5		03/19/2018	17:23	LB94134
	Chloride	0.075	+/-0.15	U		0.15		03/19/2018	17:23	LB94134
	Fluoride	0.043	+/-0.1	U		0.1		03/19/2018	17:23	LB94134
	Phosphorus, Ortho	0.01	+/-0.25	U		0.25		03/19/2018	17:23	LB94134
	Nitrite	0.022	+/-0.15	U		0.15		03/19/2018	17:23	LB94134
	Nitrate	0.027	+/-0.13	U		0.13		03/19/2018	17:23	LB94134
	Sulfate	0.13	+/-0.75	U		0.75		03/19/2018	17:23	LB94134

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		03/23/2018	10:40	LB94134
	Chloride	0.075	+/-0.15	U		0.15		03/23/2018	10:40	LB94134
	Fluoride	0.043	+/-0.1	U		0.1		03/23/2018	10:40	LB94134
	Phosphorus, Ortho	0.01	+/-0.25	U		0.25		03/23/2018	10:40	LB94134
	Nitrite	0.022	+/-0.15	U		0.15		03/23/2018	10:40	LB94134
	Nitrate	0.027	+/-0.13	U		0.13		03/23/2018	10:40	LB94134
	Sulfate	0.13	+/-0.75	U		0.75		03/23/2018	10:40	LB94134
CCB2	Bromide	0.066	+/-0.5	U		0.5		03/23/2018	18:26	LB94134
	Chloride	0.075	+/-0.15	U		0.15		03/23/2018	18:26	LB94134
	Fluoride	0.043	+/-0.1	U		0.1		03/23/2018	18:26	LB94134
	Phosphorus, Ortho	0.01	+/-0.25	U		0.25		03/23/2018	18:26	LB94134
	Nitrite	0.022	+/-0.15	U		0.15		03/23/2018	18:26	LB94134
	Nitrate	0.027	+/-0.13	U		0.13		03/23/2018	18:26	LB94134
	Sulfate	0.13	+/-0.75	U		0.75		03/23/2018	18:26	LB94134
CCB3	Bromide	0.066	+/-0.5	U		0.5		03/23/2018	19:58	LB94134
	Chloride	0.075	+/-0.15	U		0.15		03/23/2018	19:58	LB94134
	Fluoride	0.043	+/-0.1	U		0.1		03/23/2018	19:58	LB94134
	Phosphorus, Ortho	0.01	+/-0.25	U		0.25		03/23/2018	19:58	LB94134
	Nitrite	0.022	+/-0.15	U		0.15		03/23/2018	19:58	LB94134
	Nitrate	0.027	+/-0.13	U		0.13		03/23/2018	19:58	LB94134
	Sulfate	0.13	+/-0.75	U		0.75		03/23/2018	19:58	LB94134
CCB4	Bromide	0.066	+/-0.5	U		0.5		03/26/2018	16:00	LB94134
	Chloride	0.075	+/-0.15	U		0.15		03/26/2018	16:00	LB94134
	Fluoride	0.043	+/-0.1	U		0.1		03/26/2018	16:00	LB94134
	Phosphorus, Ortho	0.01	+/-0.25	U		0.25		03/26/2018	16:00	LB94134
	Nitrite	0.022	+/-0.15	U		0.15		03/26/2018	16:00	LB94134
	Nitrate	0.027	+/-0.13	U		0.13		03/26/2018	16:00	LB94134
	Sulfate	0.13	+/-0.75	U		0.75		03/26/2018	16:00	LB94134
CCB5	Bromide	0.066	+/-0.5	U		0.5		03/26/2018	20:08	LB94134
	Chloride	0.075	+/-0.15	U		0.15		03/26/2018	20:08	LB94134
	Fluoride	0.043	+/-0.1	U		0.1		03/26/2018	20:08	LB94134
	Phosphorus, Ortho	0.01	+/-0.25	U		0.25		03/26/2018	20:08	LB94134
	Nitrite	0.022	+/-0.15	U		0.15		03/26/2018	20:08	LB94134
	Nitrate	0.027	+/-0.13	U		0.13		03/26/2018	20:08	LB94134
	Sulfate	0.13	+/-0.75	U		0.75		03/26/2018	20:08	LB94134



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB94134

SDG No.: LB94134

Contract: Lab Code: CHEM

Case No.: LB94134

SAS No.: LB94134

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: LB94134

SDG No.: LB94134

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
LB94134BLW		WATER		Batch Number:				Prep Date:		
	Bromide	0.066	<0.5	U		0.5		03/23/2018	11:11	LB94134
	Chloride	0.075	<0.15	U		0.15		03/23/2018	11:11	LB94134
	Fluoride	0.043	<0.1	U		0.1		03/23/2018	11:11	LB94134
	Phosphorus, Ortho	0.01	<0.25	U		0.25		03/23/2018	11:11	LB94134
	Nitrite	0.022	<0.15	U		0.15		03/23/2018	11:11	LB94134
	Nitrate	0.027	<0.13	U		0.13		03/23/2018	11:11	LB94134
	Sulfate	0.13	<0.75	U		0.75		03/23/2018	11:11	LB94134
Sample ID	Analyte	Result (mg/L)	Acceptance Limit	Conc Qual	LOD mg/L	CRQL mg/L	M	Analysis Date	Analysis Time	Run
LB94134BLW2		WATER		Batch Number:				Prep Date:		
	Bromide	0.066	<0.5	U		0.5		03/26/2018	16:31	LB94134
	Chloride	0.075	<0.15	U		0.15		03/26/2018	16:31	LB94134
	Fluoride	0.043	<0.1	U		0.1		03/26/2018	16:31	LB94134
	Phosphorus, Ortho	0.01	<0.25	U		0.25		03/26/2018	16:31	LB94134
	Nitrite	0.022	<0.15	U		0.15		03/26/2018	16:31	LB94134
	Nitrate	0.027	<0.13	U		0.13		03/26/2018	16:31	LB94134
	Sulfate	0.13	<0.75	U		0.75		03/26/2018	16:31	LB94134



GENCHEM
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MATRIX SPIKE SUMMARY

client: LB94134 level: low sdg no.: LB94134
contract: lab code: CHEM case no.: LB94134 sas no.: LB94134
matrix: WATER sample id: J2026-01 client id: GILROY-OMEGA-CELLMS
Percent Solids for Sample: 0 Spiked ID: J2026-01MS 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	9.7		0.066	U	10	97		
Chloride	mg/L	80 - 120	3		0.075	U	3	100		
Fluoride	mg/L	80 - 120	2		0.043	U	2	100		
Phosphorus, Ortho	mg/L	80 - 120	5.1		0.01	U	5	102		
Nitrite	mg/L	80 - 120	2.9		0.022	U	3	96.7		
Nitrate	mg/L	80 - 120	2.4		0.027	U	2.5	96		
Sulfate	mg/L	80 - 120	14.6		0.13	U	15	97.3		



GENCHEM
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MATRIX SPIKE DUPLICATE SUMMARY

client: LB94134 **level:** low **sdg no.:** LB94134
contract: **lab code:** CHEM **case no.:** LB94134 **sas no.:** LB94134
matrix: WATER **sample id:** J2026-01 **client id:** GILROY-OMEGA-CELLMSD
Percent Solids for Sample: 0 **Spiked ID:** J2026-01MSD **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance	MSD	Sample		Spike	%	Qual	M
		Limit %R	Result	C	Result	C	Added	Recovery	
Bromide	mg/L	80 - 120	9.6		0.066	U	10	96	
Chloride	mg/L	80 - 120	2.8		0.075	U	3	93.3	
Fluoride	mg/L	80 - 120	2		0.043	U	2	100	
Phosphorus, Ortho	mg/L	80 - 120	5		0.01	U	5	100	
Nitrite	mg/L	80 - 120	2.9		0.022	U	3	96.7	
Nitrate	mg/L	80 - 120	2.4		0.027	U	2.5	96	
Sulfate	mg/L	80 - 120	14.2		0.13	U	15	94.7	



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MATRIX SPIKE DUPLICATE SUMMARY

client: LB94134 **level:** low **sdg no.:** LB94134
contract: **lab code:** CHEM **case no.:** LB94134 **sas no.:** LB94134
matrix: WATER **sample id:** J2054-01RE **client id:** MW-02-20180323-DEPMSDRE
Percent Solids for Sample: 0 **Spiked ID:** J2054-01MSDRE **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance	MSD	Sample		Spike	%	Qual	M
		Limit %R	Result	C	Result	C	Added	Recovery	
Bromide	mg/L	80 - 120	11.4		2		10	94	
Chloride	mg/L	80 - 120	1110	OR	1230	OR	3	-4000	*
Fluoride	mg/L	80 - 120	2.2		0.043	U	2	110	
Phosphorus, Ortho	mg/L	80 - 120	0	U	0.01	U	5		
Nitrite	mg/L	80 - 120	0	U	0.022	U	3		
Nitrate	mg/L	80 - 120	2.4		0.027	U	2.5	96	
Sulfate	mg/L	80 - 120	19.3		5.1		15	95	



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MATRIX SPIKE SUMMARY

client: LB94134 level: low sdg no.: LB94134
contract: _____ lab code: CHEM case no.: LB94134 sas no.: LB94134
matrix: WATER sample id: J2054-01RE client id: MW-02-20180323-DEPMSRE
Percent Solids for Sample: 0 Spiked ID: J2054-01MSRE 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	9.8		2		10	78	*	
Chloride	mg/L	80 - 120	1140	OR	1230	OR	3	-3000	*	
Fluoride	mg/L	80 - 120	1.8		0.043	U	2	90		
Phosphorus, Ortho	mg/L	80 - 120	0	U	0.01	U	5			
Nitrite	mg/L	80 - 120	0	U	0.022	U	3			
Nitrate	mg/L	80 - 120	2		0.027	U	2.5	80		
Sulfate	mg/L	80 - 120	16.7		5.1		15	77	*	

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DUPLICATE SAMPLE SUMMARY

Client: LB94134 **Level:** LOW **SDG No.:** LB94134
Contract: _____ **Lab Code:** CHEM **Case No.:** LB94134 **SAS No.:** LB94134
Matrix: WATER **Sample ID:** J2026-01MS **Client ID:** GILROY-OMEGA-CELLMSD
Percent Solids for Sample: 0 **Duplicate ID** J2026-01MSD **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Bromide	mg/L	20	9.7		9.6		1		
Chloride	mg/L	20	3		2.8		7		
Fluoride	mg/L	20	2		2		0		
Phosphorus, Ortho	mg/L	20	5.1		5		2		
Nitrite	mg/L	20	2.9		2.9		0		
Nitrate	mg/L	20	2.4		2.4		0		
Sulfate	mg/L	20	14.6		14.2		3		

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DUPLICATE SAMPLE SUMMARY

Client: LB94134 **Level:** LOW **SDG No.:** LB94134
Contract: _____ **Lab Code:** CHEM **Case No.:** LB94134 **SAS No.:** LB94134
Matrix: WATER **Sample ID:** J2054-01RE **Client ID:** MW-02-20180323-DEPDUPRE
Percent Solids for Sample: 0 **Duplicate ID** J2054-01DUPRE **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Bromide	mg/L	20	2		2		0		
Chloride	mg/L	20	1230	OR	1240	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	0.027	U	0	U			
Sulfate	mg/L	20	5.1		4.9		4		

“A control limit of $\pm 20\%$ RPD for each matrix applies for sample values greater than 10 times Detection Limit”



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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB94134

SDG No.: LB94134

Contract:

Lab Code: CHEM

Case No.: LB94134

SAS No.: LB94134

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
LB94134BSW							
Bromide	mg/L	10	9.5		95	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	5.3		106	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	



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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB94134

SDG No.: LB94134

Contract:

Lab Code: CHEM

Case No.: LB94134

SAS No.: LB94134

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
LB94134BSW2							
Bromide	mg/L	10	9.6		96	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	5.5		110	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	15.2		101.3	90 - 110	