

Daily Analysis Runlog For Sequence/QC Batch ID # LB94727

Review By		Review On				
SubDirectory		LB94727		Test : Anions		

STD. NAME	STD REF.#
ICAL Standard	WP63375,WP63376,WP63377,WP63378,WP63379,WP63380,WP63381
ICV Standard	WP63382
CCV Standard	WP63784
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	wp63783
Chk Standard	wp63268,wp63269

Sr#	SampleId	ClientID	QcType	Date	Comment	Status
1	STD1	STD1	CAL1	04/04/18 11:13		
2	STD2	STD2	CAL2	04/04/18 11:44		
3	STD3	STD3	CAL3	04/04/18 12:15		
4	STD4	STD4	CAL4	04/04/18 12:45		
5	STD5	STD5	CAL5	04/04/18 13:16		
6	STD6	STD6	CAL6	04/04/18 13:47		
7	STD7	STD7	CAL7	04/04/18 14:18		
8	ICV1	ICV1	ICV	04/04/18 15:51		
9	ICB1	ICB1	ICB	04/04/18 16:22		
10	CCV1	CCV1	CCV	04/18/18 08:23		
11	CCB1	CCB1	CCB	04/18/18 08:54		
12	LB94727BLW	LB94727BLW	MB	04/18/18 09:25		
13	LB94727BSW	LB94727BSW	LCS	04/18/18 11:20		
14	J2433-01	CELL-A-POOL-WATE	SAM	04/18/18 12:03		
15	J2433-01DUP	CELL-A-POOL-WATE	DUP	04/18/18 12:34		
16	J2433-01MS	CELL-A-POOL-WATE	MS	04/18/18 13:04		
17	CCV2	CCV2	CCV	04/18/18 13:35		
18	CCB2	CCB2	CCB	04/18/18 14:06		



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

Report of Analysis

Client:		Date Collected:	4/11/2018 12:00:00 AM
Project:	LB94727	Date Received:	4/18/2018 12:00:00 AM
Client Sample ID:	CELL-A-POOL-WATER(DE-IONIZED)	SDG No.:	LB94727
Lab Sample ID:	J2433-01	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		04/18/2018	300.0
	Chloride	0.21		1	0.075		0.15	mg/L		04/18/2018	300.0
	Fluoride	0	U	1	0.043		0.1	mg/L		04/18/2018	300.0
	Nitrate	0	U	1	0.027		0.13	mg/L		04/18/2018	300.0
	Nitrite	0	U	1	0.022		0.15	mg/L		04/18/2018	300.0
	Phosphorus, Ortho	0	U	1	0.01		0.25	mg/L		04/18/2018	300.0
	Sulfate	0.88		1	0.13		0.75	mg/L		04/18/2018	300.0



Report of Analysis

Client:		Date Collected:	4/11/2018 12:00:00 AM
Project:	LB94727	Date Received:	4/18/2018 12:00:00 AM
Client Sample ID:	CELL-A-POOL-WATER(DE-IONIZED)	SDG No.:	LB94727
Lab Sample ID:	J2433-01	Matrix:	WATER
Level (low/med):	low	% Solid:	0

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

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: LB94727

SDG No.: LB94727

Contract: _____ Lab Code: CHEM

Case No.: LB94727

SAS No.: LB94727

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		04/04/2018	15:51	lb94727
	Chloride	2.9	3	96.7		90 - 110		04/04/2018	15:51	lb94727
	Fluoride	1.9	2	95		90 - 110		04/04/2018	15:51	lb94727
	Phosphorus, Ortho	5.5	5	110		90 - 110		04/04/2018	15:51	lb94727
	Nitrite	2.9	3	96.7		90 - 110		04/04/2018	15:51	lb94727
	Nitrate	2.4	2.5	96		90 - 110		04/04/2018	15:51	lb94727
	Sulfate	15.1	15	100.7		90 - 110		04/04/2018	15:51	lb94727



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB94727

SDG No.: LB94727

Contract: _____ Lab Code: CHEM

Case No.: LB94727

SAS No.: LB94727

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	10	10	100		90 - 110		04/18/2018	08:23	lb94727
	Chloride	3	3	100		90 - 110		04/18/2018	08:23	lb94727
	Fluoride	2.1	2	105		90 - 110		04/18/2018	08:23	lb94727
	Phosphorus, Ortho	4.4	5	88	*	90 - 110		04/18/2018	08:23	lb94727
	Nitrite	2.9	3	96.7		90 - 110		04/18/2018	08:23	lb94727
	Nitrate	2.5	2.5	100		90 - 110		04/18/2018	08:23	lb94727
	Sulfate	14.4	15	96		90 - 110		04/18/2018	08:23	lb94727
CCV2	Bromide	10.1	10	101		90 - 110		04/18/2018	13:35	lb94727
	Chloride	3	3	100		90 - 110		04/18/2018	13:35	lb94727
	Fluoride	2	2	100		90 - 110		04/18/2018	13:35	lb94727
	Phosphorus, Ortho	4.7	5	94		90 - 110		04/18/2018	13:35	lb94727
	Nitrite	2.9	3	96.7		90 - 110		04/18/2018	13:35	lb94727
	Nitrate	2.5	2.5	100		90 - 110		04/18/2018	13:35	lb94727
	Sulfate	14.5	15	96.7		90 - 110		04/18/2018	13:35	lb94727



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB94727

SDG No.: LB94727

Contract: Lab Code: CHEM

Case No.: LB94727

SAS No.: LB94727

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		04/04/2018	16:22	1b94727
	Chloride	0.075	+/-0.15	U		0.15		04/04/2018	16:22	1b94727
	Fluoride	0.043	+/-0.1	U		0.1		04/04/2018	16:22	1b94727
	Phosphorus, Ortho	0.01	+/-0.25	U		0.25		04/04/2018	16:22	1b94727
	Nitrite	0.022	+/-0.15	U		0.15		04/04/2018	16:22	1b94727
	Nitrate	0.027	+/-0.13	U		0.13		04/04/2018	16:22	1b94727
	Sulfate	0.13	+/-0.75	U		0.75		04/04/2018	16:22	1b94727



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB94727

SDG No.: LB94727

Contract:

Lab Code: CHEM

Case No.: LB94727

SAS No.: LB94727

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		04/18/2018	08:54	lb94727
	Chloride	0.075	+/-0.15	U		0.15		04/18/2018	08:54	lb94727
	Fluoride	0.043	+/-0.1	U		0.1		04/18/2018	08:54	lb94727
	Phosphorus, Ortho	0.01	+/-0.25	U		0.25		04/18/2018	08:54	lb94727
	Nitrite	0.022	+/-0.15	U		0.15		04/18/2018	08:54	lb94727
	Nitrate	0.027	+/-0.13	U		0.13		04/18/2018	08:54	lb94727
	Sulfate	0.13	+/-0.75	U		0.75		04/18/2018	08:54	lb94727
CCB2	Bromide	0.066	+/-0.5	U		0.5		04/18/2018	14:06	lb94727
	Chloride	0.075	+/-0.15	U		0.15		04/18/2018	14:06	lb94727
	Fluoride	0.043	+/-0.1	U		0.1		04/18/2018	14:06	lb94727
	Phosphorus, Ortho	0.01	+/-0.25	U		0.25		04/18/2018	14:06	lb94727
	Nitrite	0.022	+/-0.15	U		0.15		04/18/2018	14:06	lb94727
	Nitrate	0.027	+/-0.13	U		0.13		04/18/2018	14:06	lb94727
	Sulfate	0.13	+/-0.75	U		0.75		04/18/2018	14:06	lb94727



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB94727

SDG No.: LB94727

Contract: Lab Code: CHEM

Case No.: LB94727

SAS No.: LB94727

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: LB94727

SDG No.: LB94727

Instrument: IC-2

Sample ID	Analyte	Result (mg/L)	Acceptance Limit	Conc Qual	LOD mg/L	CRQL mg/L	M	Analysis Date	Analysis Time	Run
LB94727BLW		WATER		Batch Number:				Prep Date:		
	Bromide	0.066	<0.5	U		0.5		04/18/2018	09:25	lb94727
	Chloride	0.075	<0.15	U		0.15		04/18/2018	09:25	lb94727
	Fluoride	0.043	<0.1	U		0.1		04/18/2018	09:25	lb94727
	Phosphorus, Ortho	0.01	<0.25	U		0.25		04/18/2018	09:25	lb94727
	Nitrite	0.022	<0.15	U		0.15		04/18/2018	09:25	lb94727
	Nitrate	0.027	<0.13	U		0.13		04/18/2018	09:25	lb94727
	Sulfate	0.13	<0.75	U		0.75		04/18/2018	09:25	lb94727



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB94727 level: low sdg no.: LB94727
contract: _____ lab code: CHEM case no.: LB94727 sas no.: LB94727
matrix: WATER sample id: J2433-01 client id: CELL-A-POOL-WATER(DE-IONIZED)MS
Percent Solids for Sample: 0 Spiked ID: J2433-01MS 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	10.2		0.066	U	10	102		
Chloride	mg/L	80 - 120	3.1		0.21		3	96		
Fluoride	mg/L	80 - 120	2.1		0.043	U	2	105		
Phosphorus, Ortho	mg/L	80 - 120	4.5		0.01	U	5	90		
Nitrite	mg/L	80 - 120	3		0.022	U	3	100		
Nitrate	mg/L	80 - 120	2.6		0.027	U	2.5	104		
Sulfate	mg/L	80 - 120	14.8		0.88		15	93		

GENCHEM

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB94727 **Level:** LOW **SDG No.:** LB94727
Contract: _____ **Lab Code:** CHEM **Case No.:** LB94727 **SAS No.:** LB94727
Matrix: WATER **Sample ID:** J2433-01 **Client ID:** CELL-A-POOL-WATER(DE-IONIZED)DUP
Percent Solids for Sample: 0 **Duplicate ID** J2433-01DUP **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	0.21		0.21		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	0.027	U	0	U			
Sulfate	mg/L	20	0.88		0.88		0		



GENCHEM

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: LB94727

SDG No.: LB94727

Contract:

Lab Code: CHEM

Case No.: LB94727

SAS No.: LB94727

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
LB94727BSW							
Bromide	mg/L	10	10		100	90 - 110	
Chloride	mg/L	3	3		100	90 - 110	
Fluoride	mg/L	2	2		100	90 - 110	
Phosphorus, Ortho	mg/L	5	4.9		98	90 - 110	
Nitrite	mg/L	3	3		100	90 - 110	
Nitrate	mg/L	2.5	2.5		100	90 - 110	
Sulfate	mg/L	15	15.2		101.3	90 - 110	
