

Daily Analysis Runlog For Sequence/QC Batch ID # LB92588

Review By

SubDirectory

Review On

Test : Anions

LB92588

STD. NAME		STD REF.#				
ICAL Standard		WP60658,WP60659,WP60660,WP60661,WP60662,WP60663,WP60664				
ICV Standard		WP60665				
CCV Standard		WP60847				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP60652				
Chk Standard		WP60666,WP60668				

Sr#	SampleId	ClientID	QcType	Date	Comment	Status
1	STD1	STD1	CAL1	01/02/18 10:46		OK
2	STD2	STD2	CAL2	01/02/18 11:17		OK
3	STD3	STD3	CAL3	01/02/18 11:48		OK
4	STD4	STD4	CAL4	01/02/18 12:19		OK
5	STD5	STD5	CAL5	01/02/18 12:50		OK
6	STD6	STD6	CAL6	01/02/18 13:21		OK
7	STD7	STD7	CAL7	01/02/18 13:52		OK
8	ICV1	ICV1	ICV	01/02/18 16:30		OK
9	ICB1	ICB1	ICB	01/02/18 17:01		OK
10	CCV1	CCV1	CCV	01/12/18 10:42		OK
11	CCB1	CCB1	CCB	01/12/18 11:13		OK
12	LB92588BLW	LB92588BLW	MB	01/12/18 11:44		OK
13	LB92588BSW	LB92588BSW	LCS	01/12/18 12:15		OK
14	J1119-01	CELL-A-POOL-WATE	SAM	01/12/18 14:30		OK
15	J1119-01DUP	CELL-A-POOL-WATE	DUP	01/12/18 15:01		OK
16	J1119-01MS	CELL-A-POOL-WATE	MS	01/12/18 15:32		OK
17	CCV2	CCV2	CCV	01/12/18 17:05		OK
18	CCB2	CCB2	CCB	01/12/18 17:36		OK



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:	LB92588	Date Received:	1/12/2018 12:00:00 AM
Client Sample ID:	CELL-A-POOL-WATER(DE-IONIZED)	SDG No.:	LB92588
Lab Sample ID:	J1119-01	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		01/12/2018	300.0
	Chloride	0.14	J	1	0.075		0.15	mg/L		01/12/2018	300.0
	Fluoride	0	U	1	0.043		0.1	mg/L		01/12/2018	300.0
	Nitrate	0.12	J	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	0.8		1	0.13		0.75	mg/L		01/12/2018	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:	LB92588	Date Received:	1/12/2018 12:00:00 AM
Client Sample ID:	CELL-A-POOL-WATER(DE-IONIZED)	SDG No.:	LB92588
Lab Sample ID:	J1119-01	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: LB92588

SDG No.: LB92588

Contract: _____ Lab Code: CHEM

Case No.: LB92588

SAS No.: LB92588

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	9.7	10	97	0	90 - 110		01/02/2018	16:30	LB92588
	Chloride	2.9	3	96.7	0	90 - 110		01/02/2018	16:30	LB92588
	Fluoride	2.1	2	105	0	90 - 110		01/02/2018	16:30	LB92588
	Phosphorus, Ortho	5.3	5	106	0	90 - 110		01/02/2018	16:30	LB92588
	Nitrite	2.9	3	96.7	0	90 - 110		01/02/2018	16:30	LB92588
	Nitrate	2.4	2.5	96	0	90 - 110		01/02/2018	16:30	LB92588
	Sulfate	14.1	15	94	0	90 - 110		01/02/2018	16:30	LB92588



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB92588

SDG No.: LB92588

Contract: _____ **Lab Code:** CHEM

Case No.: LB92588

SAS No.: LB92588

Initial Calibration Source:

Continuing Calibration Source:

Sample ID	Analyte	Result	True Value	%	% RSD	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
		mg/L								
CCV1	Bromide	9.5	10	95	0	90 - 110		01/12/2018	10:42	LB92588
	Chloride	2.8	3	93.3	0	90 - 110		01/12/2018	10:42	LB92588
	Fluoride	1.9	2	95	0	90 - 110		01/12/2018	10:42	LB92588
	Phosphorus, Ortho	5	5	100	0	90 - 110		01/12/2018	10:42	LB92588
	Nitrite	2.8	3	93.3	0	90 - 110		01/12/2018	10:42	LB92588
	Nitrate	2.4	2.5	96	0	90 - 110		01/12/2018	10:42	LB92588
	Sulfate	13.1	15	87.3	0	90 - 110		01/12/2018	10:42	LB92588
CCV2	Bromide	9.6	10	96	0	90 - 110		01/12/2018	17:05	LB92588
	Chloride	2.9	3	96.7	0	90 - 110		01/12/2018	17:05	LB92588
	Fluoride	2	2	100	0	90 - 110		01/12/2018	17:05	LB92588
	Phosphorus, Ortho	5.4	5	108	0	90 - 110		01/12/2018	17:05	LB92588
	Nitrite	2.9	3	96.7	0	90 - 110		01/12/2018	17:05	LB92588
	Nitrate	2.4	2.5	96	0	90 - 110		01/12/2018	17:05	LB92588
	Sulfate	13.2	15	88	0	90 - 110		01/12/2018	17:05	LB92588

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		01/02/2018	17:01	LB92588
	Chloride	0.075	+/-0.15	U		0.15		01/02/2018	17:01	LB92588
	Fluoride	0.043	+/-0.1	U		0.1		01/02/2018	17:01	LB92588
	Phosphorus, Ortho	0.01	+/-0.25	U		0.25		01/02/2018	17:01	LB92588
	Nitrite	0.022	+/-0.15	U		0.15		01/02/2018	17:01	LB92588
	Nitrate	0.027	+/-0.13	U		0.13		01/02/2018	17:01	LB92588
	Sulfate	0.13	+/-0.75	U		0.75		01/02/2018	17:01	LB92588



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB92588

SDG No.: LB92588

Contract:

Lab Code: CHEM

Case No.: LB92588

SAS No.: LB92588

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		01/12/2018	11:13	LB92588
	Chloride	0.075	+/-0.15	U		0.15		01/12/2018	11:13	LB92588
	Fluoride	0.043	+/-0.1	U		0.1		01/12/2018	11:13	LB92588
	Phosphorus, Ortho	0.01	+/-0.25	U		0.25		01/12/2018	11:13	LB92588
	Nitrite	0.022	+/-0.15	U		0.15		01/12/2018	11:13	LB92588
	Nitrate	0.027	+/-0.13	U		0.13		01/12/2018	11:13	LB92588
	Sulfate	0.13	+/-0.75	U		0.75		01/12/2018	11:13	LB92588
CCB2	Bromide	0.066	+/-0.5	U		0.5		01/12/2018	17:36	LB92588
	Chloride	0.075	+/-0.15	U		0.15		01/12/2018	17:36	LB92588
	Fluoride	0.043	+/-0.1	U		0.1		01/12/2018	17:36	LB92588
	Phosphorus, Ortho	0.01	+/-0.25	U		0.25		01/12/2018	17:36	LB92588
	Nitrite	0.022	+/-0.15	U		0.15		01/12/2018	17:36	LB92588
	Nitrate	0.027	+/-0.13	U		0.13		01/12/2018	17:36	LB92588
	Sulfate	0.13	+/-0.75	U		0.75		01/12/2018	17:36	LB92588



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB92588

SDG No.: LB92588

Contract: Lab Code: CHEM

Case No.: LB92588

SAS No.: LB92588

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: LB92588

SDG No.: LB92588

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
LB92588BLW		WATER		Batch Number:				Prep Date:		
	Bromide	0.066	<0.5	U		0.5		01/12/2018	11:44	LB92588
	Chloride	0.075	<0.15	U		0.15		01/12/2018	11:44	LB92588
	Fluoride	0.043	<0.1	U		0.1		01/12/2018	11:44	LB92588
	Phosphorus, Ortho	0.01	<0.25	U		0.25		01/12/2018	11:44	LB92588
	Nitrite	0.022	<0.15	U		0.15		01/12/2018	11:44	LB92588
	Nitrate	0.027	<0.13	U		0.13		01/12/2018	11:44	LB92588
	Sulfate	0.13	<0.75	U		0.75		01/12/2018	11:44	LB92588



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB92588 level: low sdg no.: LB92588
contract: lab code: CHEM case no.: LB92588 sas no.: LB92588
matrix: WATER sample id: J1119-01 client id: CELL-A-POOL-WATER(DE-IONIZED)MS
Percent Solids for Sample: 0 Spiked ID: J1119-01MS 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	9.2		0.066	U	10	92		
Chloride	mg/L	80 - 120	2.8		0.14	J	3	89		
Fluoride	mg/L	80 - 120	1.8		0.043	U	2	90		
Phosphorus, Ortho	mg/L	80 - 120	4.3		0.01	U	5	86		
Nitrite	mg/L	80 - 120	2.8		0.022	U	3	93.3		
Nitrate	mg/L	80 - 120	2.3		0.12	J	2.5	87		
Sulfate	mg/L	80 - 120	13.5		0.8		15	85		

GENCHEM

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB92588 **Level:** LOW **SDG No.:** LB92588
Contract: _____ **Lab Code:** CHEM **Case No.:** LB92588 **SAS No.:** LB92588
Matrix: WATER **Sample ID:** J1119-01 **Client ID:** CELL-A-POOL-WATER(DE-IONIZED)DUP
Percent Solids for Sample: 0 **Duplicate ID** J1119-01DUP **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	0.14	J	0.13	J	7		
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	0.12	J	0.12	J	0		
Sulfate	mg/L	20	0.8		0.8		0		



GENCHEM

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: LB92588

SDG No.: LB92588

Contract:

Lab Code: CHEM

Case No.: LB92588

SAS No.: LB92588

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
LB92588BSW							
Bromide	mg/L	10	9.5		95	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	5.1		102	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	13.2		88	90 - 110	
