

Daily Analysis Runlog For Sequence/QC Batch ID # LB89330

Review By

SubDirectory

Review On

Test : Anions

LB89330

STD. NAME		STD REF.#				
ICAL Standard		WP56304,WP56305,WP56306,WP56307,WP56308,WP56309,WP56310				
ICV Standard		WP56311				
CCV Standard		WP56998				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP57003				
Chk Standard		WP57042,WP57005				

Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	STD1	STD1	CAL1	07/11/17 10:41		OK
2	STD2	STD2	CAL2	07/11/17 11:10		OK
3	STD3	STD3	CAL3	07/11/17 11:39		OK
4	STD4	STD4	CAL4	07/11/17 12:08		OK
5	STD5	STD5	CAL5	07/11/17 12:37		OK
6	STD6	STD6	CAL6	07/11/17 13:06		OK
7	STD7	STD7	CAL7	07/11/17 13:35		OK
8	ICV1	ICV1	ICV	07/11/17 15:03		OK
9	ICB1	ICB1	ICB	07/11/17 15:32		OK
10	CCV1	CCV1	CCV	08/08/17 09:55		OK
11	CCB1	CCB1	CCB	08/08/17 10:24		OK
12	LB89330BLW	LB89330BLW	MB	08/08/17 10:53		OK
13	LB89330BSW	LB89330BSW	LCS	08/08/17 11:22		OK
14	I4664-01	DSN001	SAM	08/08/17 11:51		OK
15	I4664-01DUP	DSN001DUP	DUP	08/08/17 12:20		OK
16	I4664-01MS	DSN001MS	MS	08/08/17 12:49		OK
17	CCV2	CCV2	CCV	08/08/17 13:18		OK
18	CCB2	CCB2	CCB	08/08/17 13:47		OK



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

Report of Analysis

Client:		Date Collected:	8/7/2017 12:00:00 AM
Project:	LB89330	Date Received:	8/7/2017 12:00:00 AM
Client Sample ID:	DSN001	SDG No.:	LB89330
Lab Sample ID:	I4664-01	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		08/08/2017	300.0
	Chloride	31.2	OR	1	0.075		0.15	mg/L		08/08/2017	300.0
	Fluoride	0	U	1	0.043		0.1	mg/L		08/08/2017	300.0
	Nitrate	0.27		1	0.027		0.13	mg/L		08/08/2017	300.0
	Nitrite	0	U	1	0.022		0.15	mg/L		08/08/2017	300.0
	Phosphorus, Ortho	0	U	1	0.01		0.25	mg/L		08/08/2017	300.0
	Sulfate	8		1	0.13		0.75	mg/L		08/08/2017	300.0



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

Report of Analysis

Client:		Date Collected:	8/7/2017 12:00:00 AM
Project:	LB89330	Date Received:	8/7/2017 12:00:00 AM
Client Sample ID:	DSN001	SDG No.:	LB89330
Lab Sample ID:	I4664-01	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: LB89330

SDG No.: LB89330

Contract: _____ Lab Code: CHEM

Case No.: LB89330

SAS No.: LB89330

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	10.3	10	103	0	90 - 110		07/11/2017	15:03	LB89330
	Chloride	3	3	100	0	90 - 110		07/11/2017	15:03	LB89330
	Fluoride	2.1	2	105	0	90 - 110		07/11/2017	15:03	LB89330
	Phosphorus, Ortho	5.3	5	106	0	90 - 110		07/11/2017	15:03	LB89330
	Nitrite	3	3	100	0	90 - 110		07/11/2017	15:03	LB89330
	Nitrate	2.5	2.5	100	0	90 - 110		07/11/2017	15:03	LB89330
	Sulfate	14.7	15	98	0	90 - 110		07/11/2017	15:03	LB89330



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB89330

SDG No.: LB89330

Contract: Lab Code: CHEM

Case No.: LB89330

SAS No.: LB89330

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		07/11/2017	15:32	LB89330
	Chloride	0.075	+/-0.15	U		0.15		07/11/2017	15:32	LB89330
	Fluoride	0.043	+/-0.1	U		0.1		07/11/2017	15:32	LB89330
	Phosphorus, Ortho	0.01	+/-0.25	U		0.25		07/11/2017	15:32	LB89330
	Nitrite	0.022	+/-0.15	U		0.15		07/11/2017	15:32	LB89330
	Nitrate	0.027	+/-0.13	U		0.13		07/11/2017	15:32	LB89330
	Sulfate	0.13	+/-0.75	U		0.75		07/11/2017	15:32	LB89330



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB89330

SDG No.: LB89330

Contract:

Lab Code: CHEM

Case No.: LB89330

SAS No.: LB89330

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		08/08/2017	10:24	LB89330
	Chloride	0.075	+/-0.15	U		0.15		08/08/2017	10:24	LB89330
	Fluoride	0.043	+/-0.1	U		0.1		08/08/2017	10:24	LB89330
	Phosphorus, Ortho	0.01	+/-0.25	U		0.25		08/08/2017	10:24	LB89330
	Nitrite	0.022	+/-0.15	U		0.15		08/08/2017	10:24	LB89330
	Nitrate	0.027	+/-0.13	U		0.13		08/08/2017	10:24	LB89330
	Sulfate	0.13	+/-0.75	U		0.75		08/08/2017	10:24	LB89330
CCB2	Bromide	0.066	+/-0.5	U		0.5		08/08/2017	13:47	LB89330
	Chloride	0.075	+/-0.15	U		0.15		08/08/2017	13:47	LB89330
	Fluoride	0.043	+/-0.1	U		0.1		08/08/2017	13:47	LB89330
	Phosphorus, Ortho	0.01	+/-0.25	U		0.25		08/08/2017	13:47	LB89330
	Nitrite	0.022	+/-0.15	U		0.15		08/08/2017	13:47	LB89330
	Nitrate	0.027	+/-0.13	U		0.13		08/08/2017	13:47	LB89330
	Sulfate	0.13	+/-0.75	U		0.75		08/08/2017	13:47	LB89330



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB89330

SDG No.: LB89330

Contract: Lab Code: CHEM

Case No.: LB89330

SAS No.: LB89330

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: LB89330

SDG No.: LB89330

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
LB89330BLW		WATER		Batch Number:				Prep Date:		
	Bromide	0.066	<0.5	U		0.5		08/08/2017	10:53	LB89330
	Chloride	0.075	<0.15	U		0.15		08/08/2017	10:53	LB89330
	Fluoride	0.043	<0.1	U		0.1		08/08/2017	10:53	LB89330
	Phosphorus, Ortho	0.01	<0.25	U		0.25		08/08/2017	10:53	LB89330
	Nitrite	0.022	<0.15	U		0.15		08/08/2017	10:53	LB89330
	Nitrate	0.027	<0.13	U		0.13		08/08/2017	10:53	LB89330
	Sulfate	0.13	<0.75	U		0.75		08/08/2017	10:53	LB89330



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB89330 level: low sdg no.: LB89330
contract: lab code: CHEM case no.: LB89330 sas no.: LB89330
matrix: WATER sample id: I4664-01 client id: DSN001MS
Percent Solids for Sample: 0 Spiked ID: I4664-01MS 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	10.7		0.066	U	10	107		
Chloride	mg/L	80 - 120	31.9	OR	31.2	OR	3	23	*	
Fluoride	mg/L	80 - 120	2.2		0.043	U	2	110		
Phosphorus, Ortho	mg/L	80 - 120	4.7		0.01	U	5	94		
Nitrite	mg/L	80 - 120	3		0.022	U	3	100		
Nitrate	mg/L	80 - 120	2.8		0.27		2.5	101		
Sulfate	mg/L	80 - 120	22.1		8		15	94		

GENCHEM

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB89330 **Level:** LOW **SDG No.:** LB89330
Contract: **Lab Code:** CHEM **Case No.:** LB89330 **SAS No.:** LB89330
Matrix: WATER **Sample ID:** I4664-01 **Client ID:** DSN001DUP
Percent Solids for Sample: 0 **Duplicate ID** I4664-01DUP **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	31.2	OR	31.1	OR	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	0.27		0.26		4		
Sulfate	mg/L	20	8		8		0		



GENCHEM

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: LB89330

SDG No.: LB89330

Contract:

Lab Code: CHEM

Case No.: LB89330

SAS No.: LB89330

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
LB89330BSW							
Bromide	mg/L	10	10		100	90 - 110	
Chloride	mg/L	3	2.9		96.7	90 - 110	
Fluoride	mg/L	2	1.9		95	90 - 110	
Phosphorus, Ortho	mg/L	5	4.3		86	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	13.8		92	90 - 110	
