

Daily Analysis Runlog For Sequence/QC Batch ID # LB92988

Review By

Review On

SubDirectory

LB92988

Test :

Anions

STD. NAME		STD REF.#				
ICAL Standard		WP61149,WP61150,WP61151,WP61152,WP61153,WP61154,WP61155				
ICV Standard		WP61156				
CCV Standard		WP61276				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP61277				
Chk Standard		WP60667,WP60668				

Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	STD1	STD1	CAL1	01/22/18 12:09		OK
2	STD2	STD2	CAL2	01/22/18 12:39		OK
3	STD3	STD3	CAL3	01/22/18 13:10		OK
4	STD4	STD4	CAL4	01/22/18 13:41		OK
5	STD5	STD5	CAL5	01/22/18 14:12		OK
6	STD6	STD6	CAL6	01/22/18 14:43		OK
7	STD7	STD7	CAL7	01/22/18 15:14		OK
8	ICV1	ICV1	ICV	01/23/18 10:45		OK
9	ICB1	ICB1	ICB	01/23/18 11:23		OK
10	CCV1	CCV1	CCV	01/25/18 11:58		OK
11	CCB1	CCB1	CCB	01/25/18 12:29		OK
12	LB92988BLW	LB92988BLW	MB	01/25/18 13:00		OK
13	LB92988BSW	LB92988BSW	LCS	01/25/18 13:31		OK
14	J1327-01	STERIGENICS-SALE	SAM	01/25/18 14:02		OK
15	J1327-01DUP	STERIGENICS-SALE	DUP	01/25/18 14:33		OK
16	J1327-01MS	STERIGENICS-SALE	MS	01/25/18 15:03		OK
17	CCV2	CCV2	CCV	01/25/18 15:34		OK
18	CCB2	CCB2	CCB	01/25/18 16:05		OK



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Report of Analysis

Client:		Date Collected:	1/23/2018 12:00:00 AM
Project:	LB92988	Date Received:	1/25/2018 12:00:00 AM
Client Sample ID:	STERIGENICS-SALEM-CELL-POOL-WATER	SDG No.:	LB92988
Lab Sample ID:	J1327-01	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		01/25/2018	300.0
	Chloride	0	U	1	0.075		0.15	mg/L		01/25/2018	300.0
	Fluoride	0	U	1	0.043		0.1	mg/L		01/25/2018	300.0
	Nitrate	0	U	1	0.027		0.13	mg/L		01/25/2018	300.0
	Nitrite	0	U	1	0.022		0.15	mg/L		01/25/2018	300.0
	Phosphorus, Ortho	0	U	1	0.01		0.25	mg/L		01/25/2018	300.0
	Sulfate	0.76		1	0.13		0.75	mg/L		01/25/2018	300.0



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Report of Analysis

Client:		Date Collected:	1/23/2018 12:00:00 AM
Project:	LB92988	Date Received:	1/25/2018 12:00:00 AM
Client Sample ID:	STERIGENICS-SALEM-CELL-POOL-WATER	SDG No.:	LB92988
Lab Sample ID:	J1327-01	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
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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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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB92988

SDG No.: LB92988

Contract: _____ Lab Code: CHEM

Case No.: LB92988

SAS No.: LB92988

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	9.3	10	93		90 - 110		01/23/2018	10:45	LB92988
	Chloride	2.8	3	93.3		90 - 110		01/23/2018	10:45	LB92988
	Fluoride	1.9	2	95		90 - 110		01/23/2018	10:45	LB92988
	Phosphorus, Ortho	4.6	5	92		90 - 110		01/23/2018	10:45	LB92988
	Nitrite	2.8	3	93.3		90 - 110		01/23/2018	10:45	LB92988
	Nitrate	2.3	2.5	92		90 - 110		01/23/2018	10:45	LB92988
	Sulfate	14	15	93.3		90 - 110		01/23/2018	10:45	LB92988



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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB92988

SDG No.: LB92988

Contract:

Lab Code: CHEM

Case No.: LB92988

SAS No.: LB92988

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		01/23/2018	11:23	LB92988
	Chloride	0.075	+/-0.15	U		0.15		01/23/2018	11:23	LB92988
	Fluoride	0.043	+/-0.1	U		0.1		01/23/2018	11:23	LB92988
	Phosphorus, Ortho	0.01	+/-0.25	U		0.25		01/23/2018	11:23	LB92988
	Nitrite	0.022	+/-0.15	U		0.15		01/23/2018	11:23	LB92988
	Nitrate	0.027	+/-0.13	U		0.13		01/23/2018	11:23	LB92988
	Sulfate	0.13	+/-0.75	U		0.75		01/23/2018	11:23	LB92988



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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB92988

SDG No.: LB92988

Contract:

Lab Code: CHEM

Case No.: LB92988

SAS No.: LB92988

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		01/25/2018	12:29	LB92988
	Chloride	0.075	+/-0.15	U		0.15		01/25/2018	12:29	LB92988
	Fluoride	0.043	+/-0.1	U		0.1		01/25/2018	12:29	LB92988
	Phosphorus, Ortho	0.01	+/-0.25	U		0.25		01/25/2018	12:29	LB92988
	Nitrite	0.022	+/-0.15	U		0.15		01/25/2018	12:29	LB92988
	Nitrate	0.027	+/-0.13	U		0.13		01/25/2018	12:29	LB92988
	Sulfate	0.13	+/-0.75	U		0.75		01/25/2018	12:29	LB92988
CCB2	Bromide	0.066	+/-0.5	U		0.5		01/25/2018	16:05	LB92988
	Chloride	0.075	+/-0.15	U		0.15		01/25/2018	16:05	LB92988
	Fluoride	0.043	+/-0.1	U		0.1		01/25/2018	16:05	LB92988
	Phosphorus, Ortho	0.01	+/-0.25	U		0.25		01/25/2018	16:05	LB92988
	Nitrite	0.022	+/-0.15	U		0.15		01/25/2018	16:05	LB92988
	Nitrate	0.027	+/-0.13	U		0.13		01/25/2018	16:05	LB92988
	Sulfate	0.13	+/-0.75	U		0.75		01/25/2018	16:05	LB92988



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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB92988

SDG No.: LB92988

Contract: Lab Code: CHEM

Case No.: LB92988

SAS No.: LB92988

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

Client: LB92988

SDG No.: LB92988

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
LB92988BLW		WATER		Batch Number:				Prep Date:		
	Bromide	0.066	<0.5	U		0.5		01/25/2018	13:00	LB92988
	Chloride	0.075	<0.15	U		0.15		01/25/2018	13:00	LB92988
	Fluoride	0.043	<0.1	U		0.1		01/25/2018	13:00	LB92988
	Phosphorus, Ortho	0.01	<0.25	U		0.25		01/25/2018	13:00	LB92988
	Nitrite	0.022	<0.15	U		0.15		01/25/2018	13:00	LB92988
	Nitrate	0.027	<0.13	U		0.13		01/25/2018	13:00	LB92988
	Sulfate	0.13	<0.75	U		0.75		01/25/2018	13:00	LB92988



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MATRIX SPIKE SUMMARY

client: LB92988 level: low sdg no.: LB92988
contract: lab code: CHEM case no.: LB92988 sas no.: LB92988
matrix: WATER sample id: J1327-01 client id: STERIGENICS-SALEM-CELL-POOL-WATERMS
Percent Solids for Sample: 0 Spiked ID: J1327-01MS 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	5.5		0.01	U	5	110		
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	15.3		0.76		15	97		

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DUPLICATE SAMPLE SUMMARY

Client: LB92988 **Level:** LOW **SDG No.:** LB92988
Contract: _____ **Lab Code:** CHEM **Case No.:** LB92988 **SAS No.:** LB92988
Matrix: WATER **Sample ID:** J1327-01 **Client ID:** STERIGENICS-SALEM-CELL-POOL-WATERDU
Percent Solids for Sample: 0 **Duplicate ID** J1327-01DUP **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	0.075	U	0	U			
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	0.76		0.76		0		



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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB92988

SDG No.: LB92988

Contract:

Lab Code: CHEM

Case No.: LB92988

SAS No.: LB92988

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
LB92988BSW							
Bromide	mg/L	10	9.7		97	90 - 110	
Chloride	mg/L	3	3		100	90 - 110	
Fluoride	mg/L	2	1.9		95	90 - 110	
Phosphorus, Ortho	mg/L	5	5.6		112	90 - 110	
Nitrite	mg/L	3	3		100	90 - 110	
Nitrate	mg/L	2.5	2.4		96	90 - 110	
Sulfate	mg/L	15	14.4		96	90 - 110	
