

Daily Analysis Runlog For Sequence/QC Batch ID # LB91542

Review By

SubDirectory

Review On

Test : Anions

LB91542

STD. NAME		STD REF.#				
ICAL Standard		WP59271,WP59273,WP59274,WP59277,WP59278,WP59279,WP59280				
ICV Standard		WP59281				
CCV Standard		WP59443				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP59448				
Chk Standard		WP59282,WP59283				

Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	STD1	STD1	CAL1	11/01/17 12:03		OK
2	STD2	STD2	CAL2	11/01/17 12:33		OK
3	STD3	STD3	CAL3	11/01/17 13:02		OK
4	STD4	STD4	CAL4	11/01/17 13:32		OK
5	STD5	STD5	CAL5	11/01/17 14:02		OK
6	STD6	STD6	CAL6	11/01/17 14:32		OK
7	STD7	STD7	CAL7	11/01/17 15:02		OK
8	ICV1	ICV1	ICV	11/01/17 16:32		OK
9	ICB1	ICB1	ICB	11/01/17 17:02		OK
10	CCV1	CCV1	CCV	11/10/17 10:31		OK
11	CCB1	CCB1	CCB	11/10/17 11:17		OK
12	LB91542BLW	LB91542BLW	MB	11/10/17 11:47		OK
13	LB91542BSW	LB91542BSW	LCS	11/10/17 12:16		OK
14	I6434-01	CELL-A-POOL-WATER	SAM	11/10/17 13:34		OK
15	I6434-02	CITY-WATER	SAM	11/10/17 14:04	Chloride high	Dilution
16	I6435-01	CELL-POOL-WATER	SAM	11/10/17 16:53		OK
17	I6435-01DUP	CELL-POOL-WATER	DUP	11/10/17 17:23		OK
18	I6435-01MS	CELL-POOL-WATER	MS	11/10/17 17:53		OK
19	I6434-02DL	CITY-WATERDL	SAM	11/10/17 18:23	5X Dilution for Chloride	Confirms
20	CCV2	CCV2	CCV	11/10/17 18:53		OK
21	CCB2	CCB2	CCB	11/10/17 19:23		OK



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Report of Analysis

Client:		Date Collected:	11/8/2017 12:00:00 AM
Project:	LB91542	Date Received:	11/10/2017 12:00:00 AM
Client Sample ID:	CELL-A-POOL-WATER	SDG No.:	LB91542
Lab Sample ID:	I6434-01	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	0.83		1	0.066		0.5	mg/L		11/10/2017	300.0
	Chloride	0.25		1	0.075		0.15	mg/L		11/10/2017	300.0
	Fluoride	0	U	1	0.043		0.1	mg/L		11/10/2017	300.0
	Nitrate	0.19		1	0.027		0.13	mg/L		11/10/2017	300.0
	Nitrite	0	U	1	0.022		0.15	mg/L		11/10/2017	300.0
	Phosphorus, Ortho	0	U	1	0.01		0.25	mg/L		11/10/2017	300.0
	Sulfate	0	U	1	0.13		0.75	mg/L		11/10/2017	300.0



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Report of Analysis

Client:		Date Collected:	11/8/2017 12:00:00 AM
Project:	LB91542	Date Received:	11/10/2017 12:00:00 AM
Client Sample ID:	CITY-WATER	SDG No.:	LB91542
Lab Sample ID:	I6434-02	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		11/10/2017	300.0
	Chloride	16.4	OR	1	0.075		0.15	mg/L		11/10/2017	300.0
	Fluoride	0.74		1	0.043		0.1	mg/L		11/10/2017	300.0
	Nitrate	0.3		1	0.027		0.13	mg/L		11/10/2017	300.0
	Nitrite	0	U	1	0.022		0.15	mg/L		11/10/2017	300.0
	Phosphorus, Ortho	0.038	J	1	0.01		0.25	mg/L		11/10/2017	300.0
	Sulfate	26.9		1	0.13		0.75	mg/L		11/10/2017	300.0



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Report of Analysis

Client:		Date Collected:	11/8/2017 12:00:00 AM
Project:	LB91542	Date Received:	11/10/2017 12:00:00 AM
Client Sample ID:	CITY-WATERDL	SDG No.:	LB91542
Lab Sample ID:	I6434-02DL	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	UD	5	0.33		2.5	mg/L		11/10/2017	300.0
	Chloride	15.4	D	5	0.38		0.75	mg/L		11/10/2017	300.0
	Fluoride	0.78	D	5	0.22		0.5	mg/L		11/10/2017	300.0
	Nitrate	0.86	D	5	0.14		0.63	mg/L		11/10/2017	300.0
	Nitrite	0	UD	5	0.11		0.75	mg/L		11/10/2017	300.0
	Phosphorus, Ortho	0	UD	5	0.05		1.3	mg/L		11/10/2017	300.0
	Sulfate	28.7	D	5	0.66		3.8	mg/L		11/10/2017	300.0



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Report of Analysis

Client:		Date Collected:	11/9/2017 12:00:00 AM
Project:	LB91542	Date Received:	11/10/2017 12:00:00 AM
Client Sample ID:	CELL-POOL-WATER	SDG No.:	LB91542
Lab Sample ID:	I6435-01	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		11/10/2017	300.0
	Chloride	0	U	1	0.075		0.15	mg/L		11/10/2017	300.0
	Fluoride	0	U	1	0.043		0.1	mg/L		11/10/2017	300.0
	Nitrate	0.12	J	1	0.027		0.13	mg/L		11/10/2017	300.0
	Nitrite	0	U	1	0.022		0.15	mg/L		11/10/2017	300.0
	Phosphorus, Ortho	0	U	1	0.01		0.25	mg/L		11/10/2017	300.0
	Sulfate	0	U	1	0.13		0.75	mg/L		11/10/2017	300.0



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Report of Analysis

Client:		Date Collected:	11/9/2017 12:00:00 AM
Project:	LB91542	Date Received:	11/10/2017 12:00:00 AM
Client Sample ID:	CELL-POOL-WATER	SDG No.:	LB91542
Lab Sample ID:	I6435-01	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

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		11/01/2017	17:02	LB91542
	Chloride	0.075	+/-0.15	U		0.15		11/01/2017	17:02	LB91542
	Fluoride	0.043	+/-0.1	U		0.1		11/01/2017	17:02	LB91542
	Phosphorus, Ortho	0.01	+/-0.25	U		0.25		11/01/2017	17:02	LB91542
	Nitrite	0.022	+/-0.15	U		0.15		11/01/2017	17:02	LB91542
	Nitrate	0.027	+/-0.13	U		0.13		11/01/2017	17:02	LB91542
	Sulfate	0.13	+/-0.75	U		0.75		11/01/2017	17:02	LB91542

**GENCHEM****- 3a -****INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY**

Client: LB91542 **SDG No.:** LB91542
Contract: **Lab Code:** CHEM **Case No.:** LB91542 **SAS No.:** LB91542

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		11/10/2017	11:17	LB91542
	Chloride	0.075	+/-0.15	U		0.15		11/10/2017	11:17	LB91542
	Fluoride	0.043	+/-0.1	U		0.1		11/10/2017	11:17	LB91542
	Phosphorus, Ortho	0.01	+/-0.25	U		0.25		11/10/2017	11:17	LB91542
	Nitrite	0.022	+/-0.15	U		0.15		11/10/2017	11:17	LB91542
	Nitrate	0.027	+/-0.13	U		0.13		11/10/2017	11:17	LB91542
	Sulfate	0.13	+/-0.75	U		0.75		11/10/2017	11:17	LB91542
CCB2	Bromide	0.066	+/-0.5	U		0.5		11/10/2017	19:23	LB91542
	Chloride	0.075	+/-0.15	U		0.15		11/10/2017	19:23	LB91542
	Fluoride	0.043	+/-0.1	U		0.1		11/10/2017	19:23	LB91542
	Phosphorus, Ortho	0.01	+/-0.25	U		0.25		11/10/2017	19:23	LB91542
	Nitrite	0.022	+/-0.15	U		0.15		11/10/2017	19:23	LB91542
	Nitrate	0.027	+/-0.13	U		0.13		11/10/2017	19:23	LB91542
	Sulfate	0.13	+/-0.75	U		0.75		11/10/2017	19:23	LB91542



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB91542

SDG No.: LB91542

Contract: Lab Code: CHEM

Case No.: LB91542

SAS No.: LB91542

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: LB91542

SDG No.: LB91542

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
LB91542BLW		WATER		Batch Number:				Prep Date:		
	Bromide	0.066	<0.5	U		0.5		11/10/2017	11:47	LB91542
	Chloride	0.075	<0.15	U		0.15		11/10/2017	11:47	LB91542
	Fluoride	0.043	<0.1	U		0.1		11/10/2017	11:47	LB91542
	Phosphorus, Ortho	0.01	<0.25	U		0.25		11/10/2017	11:47	LB91542
	Nitrite	0.022	<0.15	U		0.15		11/10/2017	11:47	LB91542
	Nitrate	0.027	<0.13	U		0.13		11/10/2017	11:47	LB91542
	Sulfate	0.13	<0.75	U		0.75		11/10/2017	11:47	LB91542



GENCHEM
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MATRIX SPIKE SUMMARY

client: LB91542 level: low sdg no.: LB91542
contract: lab code: CHEM case no.: LB91542 sas no.: LB91542
matrix: WATER sample id: I6435-01 client id: CELL-POOL-WATERMS
Percent Solids for Sample: 0 Spiked ID: I6435-01MS 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	3.7		0.075	U	3	123.3	*	
Fluoride	mg/L	80 - 120	1.8		0.043	U	2	90		
Phosphorus, Ortho	mg/L	80 - 120	4.9		0.01	U	5	98		
Nitrite	mg/L	80 - 120	2.9		0.022	U	3	96.7		
Nitrate	mg/L	80 - 120	2.5		0.12	J	2.5	95		
Sulfate	mg/L	80 - 120	14.4		0.13	U	15	96		

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DUPLICATE SAMPLE SUMMARY

Client: LB91542 **Level:** LOW **SDG No.:** LB91542
Contract: **Lab Code:** CHEM **Case No.:** LB91542 **SAS No.:** LB91542
Matrix: WATER **Sample ID:** I6435-01 **Client ID:** CELL-POOL-WATERDUP
Percent Solids for Sample: 0 **Duplicate ID** I6435-01DUP **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	0.12	J	0.12	J	0		
Sulfate	mg/L	20	0.13	U	0	U			



GENCHEM

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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB91542

SDG No.: LB91542

Contract: _____

Lab Code: CHEM

Case No.: LB91542

SAS No.: LB91542

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
LB91542BSW							
Bromide	mg/L	10	9.6		96	90 - 110	
Chloride	mg/L	3	2.9		96.7	90 - 110	
Fluoride	mg/L	2	2.1		105	90 - 110	
Phosphorus, Ortho	mg/L	5	5.6		112	90 - 110	
Nitrite	mg/L	3	2.8		93.3	90 - 110	
Nitrate	mg/L	2.5	2.4		96	90 - 110	
Sulfate	mg/L	15	13.9		92.7	90 - 110	
