

Daily Analysis Runlog For Sequence/QC Batch ID # LB92525

Review By

Review On

SubDirectory

LB92525

Test :

Anions

STD. NAME		STD REF.#				
ICAL Standard		WP60658,WP60659,WP60660,WP60661,WP60662,WP60663,WP60664				
ICV Standard		WP60665				
CCV Standard		WP60660				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP60665				
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	01/08/18 15:25		OK
11	CCB1	CCB1	CCB	01/08/18 15:56		OK
12	LB92525BLW	LB92525BLW	MB	01/08/18 16:27		OK
13	LB92525BSW	LB92525BSW	LCS	01/08/18 16:58		OK
14	J1056-01	POOLWATER	SAM	01/08/18 17:29		OK
15	J1056-01DUP	POOLWATERDUP	DUP	01/08/18 17:59		OK
16	J1056-01MS	POOLWATERMS	MS	01/08/18 18:30		OK
17	CCV2	CCV2	CCV	01/08/18 19:02		OK
18	CCB2	CCB2	CCB	01/08/18 19:32		OK



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Report of Analysis

Client:		Date Collected:	1/3/2018 12:00:00 AM
Project:	LB92525	Date Received:	1/8/2018 12:00:00 AM
Client Sample ID:	POOLWATER	SDG No.:	LB92525
Lab Sample ID:	J1056-01	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		01/08/2018	300.0
	Chloride	0.12	J	1	0.075		0.15	mg/L		01/08/2018	300.0
	Fluoride	0	U	1	0.043		0.1	mg/L		01/08/2018	300.0
	Nitrate	0.11	J	1	0.027		0.13	mg/L		01/08/2018	300.0
	Nitrite	0	U	1	0.022		0.15	mg/L		01/08/2018	300.0
	Phosphorus, Ortho	0	U	1	0.01		0.25	mg/L		01/08/2018	300.0
	Sulfate	0	U	1	0.13		0.75	mg/L		01/08/2018	300.0



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Report of Analysis

Client:		Date Collected:	1/3/2018 12:00:00 AM
Project:	LB92525	Date Received:	1/8/2018 12:00:00 AM
Client Sample ID:	POOLWATER	SDG No.:	LB92525
Lab Sample ID:	J1056-01	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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- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB92525

SDG No.: LB92525

Contract: _____ Lab Code: CHEM

Case No.: LB92525

SAS No.: LB92525

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	LB92525
	Chloride	2.9	3	96.7	0	90 - 110		01/02/2018	16:30	LB92525
	Fluoride	2.1	2	105	0	90 - 110		01/02/2018	16:30	LB92525
	Phosphorus, Ortho	5.3	5	106	0	90 - 110		01/02/2018	16:30	LB92525
	Nitrite	2.9	3	96.7	0	90 - 110		01/02/2018	16:30	LB92525
	Nitrate	2.4	2.5	96	0	90 - 110		01/02/2018	16:30	LB92525
	Sulfate	14.1	15	94	0	90 - 110		01/02/2018	16:30	LB92525



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- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB92525

SDG No.: LB92525

Contract: _____ Lab Code: CHEM

Case No.: LB92525

SAS No.: LB92525

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
CCV1	Bromide	9.7	10	97	0	90 - 110		01/08/2018	15:25	LB92525
	Chloride	2.9	3	96.7	0	90 - 110		01/08/2018	15:25	LB92525
	Fluoride	2	2	100	0	90 - 110		01/08/2018	15:25	LB92525
	Phosphorus, Ortho	5.2	5	104	0	90 - 110		01/08/2018	15:25	LB92525
	Nitrite	2.9	3	96.7	0	90 - 110		01/08/2018	15:25	LB92525
	Nitrate	2.4	2.5	96	0	90 - 110		01/08/2018	15:25	LB92525
	Sulfate	14.4	15	96	0	90 - 110		01/08/2018	15:25	LB92525
CCV2	Bromide	9.8	10	98	0	90 - 110		01/08/2018	19:02	LB92525
	Chloride	2.9	3	96.7	0	90 - 110		01/08/2018	19:02	LB92525
	Fluoride	2.1	2	105	0	90 - 110		01/08/2018	19:02	LB92525
	Phosphorus, Ortho	5.3	5	106	0	90 - 110		01/08/2018	19:02	LB92525
	Nitrite	2.9	3	96.7	0	90 - 110		01/08/2018	19:02	LB92525
	Nitrate	2.4	2.5	96	0	90 - 110		01/08/2018	19:02	LB92525
	Sulfate	14.4	15	96	0	90 - 110		01/08/2018	19:02	LB92525



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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB92525

SDG No.: LB92525

Contract:

Lab Code: CHEM

Case No.: LB92525

SAS No.: LB92525

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	LB92525
	Chloride	0.075	+/-0.15	U		0.15		01/02/2018	17:01	LB92525
	Fluoride	0.043	+/-0.1	U		0.1		01/02/2018	17:01	LB92525
	Phosphorus, Ortho	0.01	+/-0.25	U		0.25		01/02/2018	17:01	LB92525
	Nitrite	0.022	+/-0.15	U		0.15		01/02/2018	17:01	LB92525
	Nitrate	0.027	+/-0.13	U		0.13		01/02/2018	17:01	LB92525
	Sulfate	0.13	+/-0.75	U		0.75		01/02/2018	17:01	LB92525



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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB92525

SDG No.: LB92525

Contract:

Lab Code: CHEM

Case No.: LB92525

SAS No.: LB92525

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		01/08/2018	15:56	LB92525
	Chloride	0.075	+/-0.15	U		0.15		01/08/2018	15:56	LB92525
	Fluoride	0.043	+/-0.1	U		0.1		01/08/2018	15:56	LB92525
	Phosphorus, Ortho	0.01	+/-0.25	U		0.25		01/08/2018	15:56	LB92525
	Nitrite	0.022	+/-0.15	U		0.15		01/08/2018	15:56	LB92525
	Nitrate	0.027	+/-0.13	U		0.13		01/08/2018	15:56	LB92525
	Sulfate	0.13	+/-0.75	U		0.75		01/08/2018	15:56	LB92525
CCB2	Bromide	0.066	+/-0.5	U		0.5		01/08/2018	19:32	LB92525
	Chloride	0.075	+/-0.15	U		0.15		01/08/2018	19:32	LB92525
	Fluoride	0.043	+/-0.1	U		0.1		01/08/2018	19:32	LB92525
	Phosphorus, Ortho	0.01	+/-0.25	U		0.25		01/08/2018	19:32	LB92525
	Nitrite	0.022	+/-0.15	U		0.15		01/08/2018	19:32	LB92525
	Nitrate	0.027	+/-0.13	U		0.13		01/08/2018	19:32	LB92525
	Sulfate	0.13	+/-0.75	U		0.75		01/08/2018	19:32	LB92525



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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB92525

SDG No.: LB92525

Contract: Lab Code: CHEM

Case No.: LB92525

SAS No.: LB92525

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: LB92525

SDG No.: LB92525

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
LB92525BLW		WATER		Batch Number:				Prep Date:		
	Bromide	0.066	<0.5	U		0.5		01/08/2018	16:27	LB92525
	Chloride	0.075	<0.15	U		0.15		01/08/2018	16:27	LB92525
	Fluoride	0.043	<0.1	U		0.1		01/08/2018	16:27	LB92525
	Phosphorus, Ortho	0.01	<0.25	U		0.25		01/08/2018	16:27	LB92525
	Nitrite	0.022	<0.15	U		0.15		01/08/2018	16:27	LB92525
	Nitrate	0.027	<0.13	U		0.13		01/08/2018	16:27	LB92525
	Sulfate	0.13	<0.75	U		0.75		01/08/2018	16:27	LB92525



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MATRIX SPIKE SUMMARY

client: LB92525 level: low sdg no.: LB92525
contract: _____ lab code: CHEM case no.: LB92525 sas no.: LB92525
matrix: WATER sample id: J1056-01 client id: POOLWATERMS
Percent Solids for Sample: 0 Spiked ID: J1056-01MS 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	9.9		0.066	U	10	99		
Chloride	mg/L	80 - 120	3		0.12	J	3	96		
Fluoride	mg/L	80 - 120	2		0.043	U	2	100		
Phosphorus, Ortho	mg/L	80 - 120	5		0.01	U	5	100		
Nitrite	mg/L	80 - 120	3		0.022	U	3	100		
Nitrate	mg/L	80 - 120	2.5		0.11	J	2.5	96		
Sulfate	mg/L	80 - 120	13.9		0.13	U	15	92.7		

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DUPLICATE SAMPLE SUMMARY

Client: LB92525 **Level:** LOW **SDG No.:** LB92525
Contract: **Lab Code:** CHEM **Case No.:** LB92525 **SAS No.:** LB92525
Matrix: WATER **Sample ID:** J1056-01 **Client ID:** POOLWATERDUP
Percent Solids for Sample: 0 **Duplicate ID** J1056-01DUP **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	0.12	J	0.12	J	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	0.11	J	0.11	J	0		
Sulfate	mg/L	20	0.13	U	0	U			



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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB92525

SDG No.: LB92525

Contract:

Lab Code: CHEM

Case No.: LB92525

SAS No.: LB92525

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
LB92525BSW							
Bromide	mg/L	10	9.7		97	90 - 110	
Chloride	mg/L	3	2.9		96.7	90 - 110	
Fluoride	mg/L	2	2		100	90 - 110	
Phosphorus, Ortho	mg/L	5	5.3		106	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	
