

Daily Analysis Runlog For Sequence/QC Batch ID # LB95795

Review By

SubDirectory

Review On

Test : Anions

LB95795

STD. NAME		STD REF.#				
ICAL Standard		wp64467,wp64468,wp64469,wp64470,wp64471,wp64472,wp64473				
ICV Standard		wp64474				
CCV Standard		wp65008				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		wp65013				
Chk Standard		wp65018,wp64736				

Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	STD1	STD1	CAL1	05/14/18 16:03		OK
2	STD2	STD2	CAL2	05/14/18 16:35		OK
3	STD3	STD3	CAL3	05/14/18 17:07		OK
4	STD4	STD4	CAL4	05/14/18 17:39		OK
5	STD5	STD5	CAL5	05/14/18 18:11		OK
6	STD6	STD6	CAL6	05/14/18 18:43		OK
7	STD7	STD7	CAL7	05/14/18 19:15		OK
8	ICV1	ICV1	ICV	05/15/18 09:48		OK
9	ICB1	ICB1	ICB	05/15/18 10:20		OK
10	CCV1	CCV1	CCV	06/04/18 10:27		OK
11	CCB1	CCB1	CCB	06/04/18 11:07		OK
12	LB95795BLW	LB95795BLW	MB	06/04/18 11:37		OK
13	LB95795BSW	LB95795BSW	LCS	06/04/18 12:08		OK
14	J3306-03	A&M-WATER	SAM	06/04/18 14:33		OK
15	J3306-03DUP	A&M-WATERDUP	DUP	06/04/18 15:04		OK
16	J3306-03MS	A&M-WATERMS	MS	06/04/18 15:35		OK
17	J3306-03MSD	A&M-WATERMSD	MSD	06/04/18 16:06		OK
18	CCV2	CCV2	CCV	06/04/18 22:19		OK
19	CCB2	CCB2	CCB	06/04/18 23:21		OK



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Report of Analysis

Client:		Date Collected:	6/1/2018 12:00:00 AM
Project:	LB95795	Date Received:	6/1/2018 12:00:00 AM
Client Sample ID:	A&M-WATER	SDG No.:	LB95795
Lab Sample ID:	J3306-03	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	20	1.3		10	mg/L		06/04/2018	300.0
	Chloride	158	OR	20	1.5		3	mg/L		06/04/2018	300.0
	Fluoride	42.7	D	20	0.86		2	mg/L		06/04/2018	300.0
	Nitrate	4.7	D	20	0.54		2.5	mg/L		06/04/2018	300.0
	Nitrite	3.6	D	20	0.44		3	mg/L		06/04/2018	300.0
	Phosphorus, Ortho	26.9	D	20	0.2		5	mg/L		06/04/2018	300.0
	Sulfate	176	D	20	2.6		15	mg/L		06/04/2018	300.0



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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



GENCHEM

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB95795

SDG No.: LB95795

Contract: _____ Lab Code: CHEM

Case No.: LB95795

SAS No.: LB95795

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	9.4	10	94		90 - 110		05/15/2018	09:48	LB95795
	Chloride	2.9	3	96.7		90 - 110		05/15/2018	09:48	LB95795
	Fluoride	2	2	100		90 - 110		05/15/2018	09:48	LB95795
	Phosphorus, Ortho	4.7	5	94		90 - 110		05/15/2018	09:48	LB95795
	Nitrite	2.9	3	96.7		90 - 110		05/15/2018	09:48	LB95795
	Nitrate	2.4	2.5	96		90 - 110		05/15/2018	09:48	LB95795
	Sulfate	15.5	15	103.3		90 - 110		05/15/2018	09:48	LB95795



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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB95795

SDG No.: LB95795

Contract: Lab Code: CHEM

Case No.: LB95795

SAS No.: LB95795

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		05/15/2018	10:20	LB95795
	Chloride	0.075	+/-0.15	U		0.15		05/15/2018	10:20	LB95795
	Fluoride	0.043	+/-0.1	U		0.1		05/15/2018	10:20	LB95795
	Phosphorus, Ortho	0.01	+/-0.25	U		0.25		05/15/2018	10:20	LB95795
	Nitrite	0.022	+/-0.15	U		0.15		05/15/2018	10:20	LB95795
	Nitrate	0.027	+/-0.13	U		0.13		05/15/2018	10:20	LB95795
	Sulfate	0.13	+/-0.75	U		0.75		05/15/2018	10:20	LB95795

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		06/04/2018	11:07	LB95795
	Chloride	0.075	+/-0.15	U		0.15		06/04/2018	11:07	LB95795
	Fluoride	0.043	+/-0.1	U		0.1		06/04/2018	11:07	LB95795
	Phosphorus, Ortho	0.01	+/-0.25	U		0.25		06/04/2018	11:07	LB95795
	Nitrite	0.022	+/-0.15	U		0.15		06/04/2018	11:07	LB95795
	Nitrate	0.027	+/-0.13	U		0.13		06/04/2018	11:07	LB95795
	Sulfate	0.13	+/-0.75	U		0.75		06/04/2018	11:07	LB95795
CCB2	Bromide	0.066	+/-0.5	U		0.5		06/04/2018	23:21	LB95795
	Chloride	0.075	+/-0.15	U		0.15		06/04/2018	23:21	LB95795
	Fluoride	0.043	+/-0.1	U		0.1		06/04/2018	23:21	LB95795
	Phosphorus, Ortho	0.01	+/-0.25	U		0.25		06/04/2018	23:21	LB95795
	Nitrite	0.022	+/-0.15	U		0.15		06/04/2018	23:21	LB95795
	Nitrate	0.027	+/-0.13	U		0.13		06/04/2018	23:21	LB95795
	Sulfate	0.13	+/-0.75	U		0.75		06/04/2018	23:21	LB95795



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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB95795

SDG No.: LB95795

Contract: Lab Code: CHEM

Case No.: LB95795

SAS No.: LB95795

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: LB95795

SDG No.: LB95795

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
LB95795BLW		WATER		Batch Number:				Prep Date:		
	Bromide	0.066	<0.5	U		0.5		06/04/2018	11:37	LB95795
	Chloride	0.075	<0.15	U		0.15		06/04/2018	11:37	LB95795
	Fluoride	0.043	<0.1	U		0.1		06/04/2018	11:37	LB95795
	Phosphorus, Ortho	0.01	<0.25	U		0.25		06/04/2018	11:37	LB95795
	Nitrite	0.022	<0.15	U		0.15		06/04/2018	11:37	LB95795
	Nitrate	0.027	<0.13	U		0.13		06/04/2018	11:37	LB95795
	Sulfate	0.13	<0.75	U		0.75		06/04/2018	11:37	LB95795



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MATRIX SPIKE SUMMARY

client: LB95795 **level:** low **sdg no.:** LB95795
contract: _____ **lab code:** CHEM **case no.:** LB95795 **sas no.:** LB95795
matrix: WATER **sample id:** J3306-03 **client id:** A&M-WATERMS
Percent Solids for Sample: 0 **Spiked ID:** J3306-03MS **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance	Spiked	Sample		Spike	%	Qual	M
		Limit %R	Result	C	Result	C	Added	Recovery	
Bromide	mg/L	80 - 120	14.3		1.3	U	10	143	*
Chloride	mg/L	80 - 120	140		158	OR	3	-600	*
Fluoride	mg/L	80 - 120	43.7		42.7	D	2	50	*
Phosphorus, Ortho	mg/L	80 - 120	29.4		26.9	D	5	50	*
Nitrite	mg/L	80 - 120	5.3		3.6	D	3	57	*
Nitrate	mg/L	80 - 120	6.3		4.7	D	2.5	64	*
Sulfate	mg/L	80 - 120	177		176	D	15	7	*



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MATRIX SPIKE DUPLICATE SUMMARY

client: LB95795 **level:** low **sdg no.:** LB95795
contract: _____ **lab code:** CHEM **case no.:** LB95795 **sas no.:** LB95795
matrix: WATER **sample id:** J3306-03 **client id:** A&M-WATERMSD
Percent Solids for Sample: 0 **Spiked ID:** J3306-03MSD **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance	MSD	Sample		Spike	%	Qual	M
		Limit %R	Result	C	Result	C	Added	Recovery	
Bromide	mg/L	80 - 120	14.4		1.3	U	10	144	*
Chloride	mg/L	80 - 120	148		158	OR	3	-333	*
Fluoride	mg/L	80 - 120	44.7		42.7	D	2	100	
Phosphorus, Ortho	mg/L	80 - 120	30.1		26.9	D	5	64	*
Nitrite	mg/L	80 - 120	4.9		3.6	D	3	43	*
Nitrate	mg/L	80 - 120	6.5		4.7	D	2.5	72	*
Sulfate	mg/L	80 - 120	180		176	D	15	27	*



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DUPLICATE SAMPLE SUMMARY

Client: LB95795 **Level:** LOW **SDG No.:** LB95795
Contract: **Lab Code:** CHEM **Case No.:** LB95795 **SAS No.:** LB95795
Matrix: WATER **Sample ID:** J3306-03 **Client ID:** A&M-WATERDUP
Percent Solids for Sample: 0 **Duplicate ID** J3306-03DUP **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Bromide	mg/L	20	1.3	U	0	U			
Chloride	mg/L	20	158	OR	157	OR	1		
Fluoride	mg/L	20	42.7	D	41.5	D	3		
Phosphorus, Ortho	mg/L	20	26.9	D	27.8	D	3		
Nitrite	mg/L	20	3.6	D	3.6	D	0		
Nitrate	mg/L	20	4.7	D	4.6	D	2		
Sulfate	mg/L	20	176	D	171	D	3		

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DUPLICATE SAMPLE SUMMARY

Client: LB95795 **Level:** LOW **SDG No.:** LB95795
Contract: _____ **Lab Code:** CHEM **Case No.:** LB95795 **SAS No.:** LB95795
Matrix: WATER **Sample ID:** J3306-03MS **Client ID:** A&M-WATERMSD
Percent Solids for Sample: 0 **Duplicate ID** J3306-03MSD **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Bromide	mg/L	20	14.3		14.4		1		
Chloride	mg/L	20	140		148		6		
Fluoride	mg/L	20	43.7		44.7		2		
Phosphorus, Ortho	mg/L	20	29.4		30.1		2		
Nitrite	mg/L	20	5.3		4.9		8		
Nitrate	mg/L	20	6.3		6.5		3		
Sulfate	mg/L	20	177		180		2		



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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB95795

SDG No.: LB95795

Contract:

Lab Code: CHEM

Case No.: LB95795

SAS No.: LB95795

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
LB95795BSW							
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	5.3		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	14.7		98	90 - 110	
