

Daily Analysis Runlog For Sequence/QC Batch ID # LB87929

Review By		Review On				
SubDirectory		LB87929		Test : Anions		
STD. NAME		STD REF.#				
ICAL Standard		WP54913,WP54914,WP54915,WP54916,WP54917,WP54918,WP54919				
ICV Standard		WP54920				
CCV Standard		WP55369				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP55370				
Chk Standard		WP54734,WP54761				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	STD1	STD1	CAL1	05/15/17 11:02		OK
2	STD2	STD2	CAL2	05/15/17 11:31		OK
3	STD3	STD3	CAL3	05/15/17 12:00		OK
4	STD4	STD4	CAL4	05/15/17 12:29		OK
5	STD5	STD5	CAL5	05/15/17 12:58		OK
6	STD6	STD6	CAL6	05/15/17 13:27		OK
7	STD7	STD7	CAL7	05/15/17 13:55		OK
8	ICV1	ICV1	ICV	05/15/17 15:57		OK
9	ICB1	ICB1	ICB	05/15/17 16:26		OK
10	CCV1	CCV1	CCV	06/07/17 10:53		OK
11	CCB1	CCB1	CCB	06/07/17 11:22		OK
12	LB87929BLW	LB87929BLW	MB	06/07/17 11:51		OK
13	LB87929BSW	LB87929BSW	LCS	06/07/17 12:20		OK
14	I3512-01	POOLWATER	SAM	06/07/17 12:53		OK
15	I3516-01	POOLWATER	SAM	06/07/17 13:22		OK
16	I3512-01DUP	POOLWATERDUP	DUP	06/07/17 13:51		OK
17	I3512-01MS	POOLWATERMS	MS	06/07/17 14:20		OK
18	CCV2	CCV2	CCV	06/07/17 14:49		OK
19	CCB2	CCB2	CCB	06/07/17 15:17		OK



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

Report of Analysis

Client:		Date Collected:	5/30/2017 12:00:00 AM
Project:	LB87929	Date Received:	6/7/2017 12:00:00 AM
Client Sample ID:	POOLWATER	SDG No.:	LB87929
Lab Sample ID:	I3512-01	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		06/07/2017	300.0
	Chloride	0.16		1	0.075		0.15	mg/L		06/07/2017	300.0
	Fluoride	0	U	1	0.043		0.1	mg/L		06/07/2017	300.0
	Nitrate	0.22		1	0.027		0.13	mg/L		06/07/2017	300.0
	Nitrite	0	U	1	0.022		0.15	mg/L		06/07/2017	300.0
	Phosphorus, Ortho	0	U	1	0.01		0.25	mg/L		06/07/2017	300.0
	Sulfate	0	U	1	0.13		0.75	mg/L		06/07/2017	300.0



Report of Analysis

Client:		Date Collected:	6/6/2017 12:00:00 AM
Project:	LB87929	Date Received:	6/7/2017 12:00:00 AM
Client Sample ID:	POOLWATER	SDG No.:	LB87929
Lab Sample ID:	I3516-01	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		06/07/2017	300.0
	Chloride	0.33		1	0.075		0.15	mg/L		06/07/2017	300.0
	Fluoride	0	U	1	0.043		0.1	mg/L		06/07/2017	300.0
	Nitrate	0.094	J	1	0.027		0.13	mg/L		06/07/2017	300.0
	Nitrite	0	U	1	0.022		0.15	mg/L		06/07/2017	300.0
	Phosphorus, Ortho	0	U	1	0.01		0.25	mg/L		06/07/2017	300.0
	Sulfate	0.6	J	1	0.13		0.75	mg/L		06/07/2017	300.0



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Report of Analysis

Client:		Date Collected:	6/6/2017 12:00:00 AM
Project:	LB87929	Date Received:	6/7/2017 12:00:00 AM
Client Sample ID:	POOLWATER	SDG No.:	LB87929
Lab Sample ID:	I3516-01	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: LB87929

SDG No.: LB87929

Contract: _____ Lab Code: CHEM

Case No.: LB87929

SAS No.: LB87929

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	10.4	10	104	0	90 - 110		05/15/2017	15:57	LB87929
	Chloride	3	3	100	0	90 - 110		05/15/2017	15:57	LB87929
	Fluoride	2	2	100	0	90 - 110		05/15/2017	15:57	LB87929
	Phosphorus, Ortho	5.3	5	106	0	90 - 110		05/15/2017	15:57	LB87929
	Nitrite	2.9	3	96.7	0	90 - 110		05/15/2017	15:57	LB87929
	Nitrate	2.5	2.5	100	0	90 - 110		05/15/2017	15:57	LB87929
	Sulfate	14.9	15	99.3	0	90 - 110		05/15/2017	15:57	LB87929

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		05/15/2017	16:26	LB87929
	Chloride	0.075	+/-0.15	U		0.15		05/15/2017	16:26	LB87929
	Fluoride	0.043	+/-0.1	U		0.1		05/15/2017	16:26	LB87929
	Phosphorus, Ortho	0.01	+/-0.25	U		0.25		05/15/2017	16:26	LB87929
	Nitrite	0.022	+/-0.15	U		0.15		05/15/2017	16:26	LB87929
	Nitrate	0.027	+/-0.13	U		0.13		05/15/2017	16:26	LB87929
	Sulfate	0.13	+/-0.75	U		0.75		05/15/2017	16:26	LB87929



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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB87929

SDG No.: LB87929

Contract:

Lab Code: CHEM

Case No.: LB87929

SAS No.: LB87929

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		06/07/2017	11:22	LB87929
	Chloride	0.075	+/-0.15	U		0.15		06/07/2017	11:22	LB87929
	Fluoride	0.043	+/-0.1	U		0.1		06/07/2017	11:22	LB87929
	Phosphorus, Ortho	0.01	+/-0.25	U		0.25		06/07/2017	11:22	LB87929
	Nitrite	0.022	+/-0.15	U		0.15		06/07/2017	11:22	LB87929
	Nitrate	0.027	+/-0.13	U		0.13		06/07/2017	11:22	LB87929
	Sulfate	0.13	+/-0.75	U		0.75		06/07/2017	11:22	LB87929
CCB2	Bromide	0.066	+/-0.5	U		0.5		06/07/2017	15:17	LB87929
	Chloride	0.075	+/-0.15	U		0.15		06/07/2017	15:17	LB87929
	Fluoride	0.043	+/-0.1	U		0.1		06/07/2017	15:17	LB87929
	Phosphorus, Ortho	0.01	+/-0.25	U		0.25		06/07/2017	15:17	LB87929
	Nitrite	0.022	+/-0.15	U		0.15		06/07/2017	15:17	LB87929
	Nitrate	0.027	+/-0.13	U		0.13		06/07/2017	15:17	LB87929
	Sulfate	0.13	+/-0.75	U		0.75		06/07/2017	15:17	LB87929



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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client:

LB87929

SDG No.:

LB87929

Contract:

Lab Code:

CHEM

Case No.:

LB87929

SAS No.:

LB87929

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: LB87929

SDG No.: LB87929

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
LB87929BLW		WATER		Batch Number:				Prep Date:		
	Bromide	0.066	<0.5	U		0.5		06/07/2017	11:51	LB87929
	Chloride	0.075	<0.15	U		0.15		06/07/2017	11:51	LB87929
	Fluoride	0.043	<0.1	U		0.1		06/07/2017	11:51	LB87929
	Phosphorus, Ortho	0.01	<0.25	U		0.25		06/07/2017	11:51	LB87929
	Nitrite	0.022	<0.15	U		0.15		06/07/2017	11:51	LB87929
	Nitrate	0.027	<0.13	U		0.13		06/07/2017	11:51	LB87929
	Sulfate	0.13	<0.75	U		0.75		06/07/2017	11:51	LB87929



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MATRIX SPIKE SUMMARY

client: LB87929 **level:** low **sdg no.:** LB87929
contract: _____ **lab code:** CHEM **case no.:** LB87929 **sas no.:** LB87929
matrix: WATER **sample id:** I3512-01 **client id:** POOLWATERMS
Percent Solids for Sample: 0 **Spiked ID:** I3512-01MS **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	10		0.066	U	10	100	
Chloride	mg/L	80 - 120	3		0.16		3	95	
Fluoride	mg/L	80 - 120	2.1		0.043	U	2	105	
Phosphorus, Ortho	mg/L	80 - 120	4.2		0.01	U	5	84	
Nitrite	mg/L	80 - 120	3		0.022	U	3	100	
Nitrate	mg/L	80 - 120	2.6		0.22		2.5	95	
Sulfate	mg/L	80 - 120	14.3		0.13	U	15	95.3	

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DUPLICATE SAMPLE SUMMARY

Client: LB87929 **Level:** LOW **SDG No.:** LB87929
Contract: **Lab Code:** CHEM **Case No.:** LB87929 **SAS No.:** LB87929
Matrix: WATER **Sample ID:** I3512-01 **Client ID:** POOLWATERDUP
Percent Solids for Sample: 0 **Duplicate ID** I3512-01DUP **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	0.16		0.17		6		
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	0.22		0.22		0		
Sulfate	mg/L	20	0.13	U	0	U			



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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB87929

SDG No.: LB87929

Contract:

Lab Code: CHEM

Case No.: LB87929

SAS No.: LB87929

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
LB87929BSW							
Bromide	mg/L	10	10.2		102	90 - 110	
Chloride	mg/L	3	3.1		103.3	90 - 110	
Fluoride	mg/L	2	2.1		105	90 - 110	
Phosphorus, Ortho	mg/L	5	4.9		98	90 - 110	
Nitrite	mg/L	3	3.1		103.3	90 - 110	
Nitrate	mg/L	2.5	2.5		100	90 - 110	
Sulfate	mg/L	15	14.2		94.7	90 - 110	
