

Daily Analysis Runlog For Sequence/QC Batch ID # LB92359

Review By		Review On				
SubDirectory		LB92359		Test : Anions		
STD. NAME		STD REF.#				
ICAL Standard		WP60078,WP60079,WP60080,WP60081,WP60082,WP60083,WP60084				
ICV Standard		WP60085				
CCV Standard		WP60435				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP60436				
Chk Standard		WP60018,WP60019				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	STD1	STD1	CAL1	12/04/17 10:36		OK
2	STD2	STD2	CAL2	12/04/17 11:08		OK
3	STD3	STD3	CAL3	12/04/17 11:40		OK
4	STD4	STD4	CAL4	12/04/17 12:12		OK
5	STD5	STD5	CAL5	12/04/17 12:44		OK
6	STD6	STD6	CAL6	12/04/17 13:16		OK
7	STD7	STD7	CAL7	12/04/17 13:48		OK
8	ICV1	ICV1	ICV	12/04/17 14:19		OK
9	ICB1	ICB1	ICB	12/04/17 14:51		OK
10	CCV1	CCV1	CCV	12/22/17 10:01		OK
11	CCB1	CCB1	CCB	12/22/17 10:36		OK
12	LB92359BLW	LB92359BLW	MB	12/22/17 11:07		OK
13	LB92359BSW	LB92359BSW	LCS	12/22/17 11:38		OK
14	I7047-01	GILROY-OMEGA-CE	SAM	12/22/17 12:18		OK
15	I7048-01	POOL-WATER	SAM	12/22/17 12:49		OK
16	I7048-01DUP	POOL-WATERDUP	DUP	12/22/17 13:19		OK
17	I7048-01MS	POOL-WATERMS	MS	12/22/17 13:50		OK
18	CCV2	CCV2	CCV	12/22/17 14:21		OK
19	CCB2	CCB2	CCB	12/22/17 14:52		OK



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

Report of Analysis

Client:		Date Collected:	12/16/2017 12:00:00 AM
Project:	LB92359	Date Received:	12/21/2017 12:00:00 AM
Client Sample ID:	GILROY-OMEGA-CELL	SDG No.:	LB92359
Lab Sample ID:	I7047-01	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		12/22/2017	300.0
	Chloride	0	U	1	0.075		0.15	mg/L		12/22/2017	300.0
	Fluoride	0	U	1	0.043		0.1	mg/L		12/22/2017	300.0
	Nitrate	0.15		1	0.027		0.13	mg/L		12/22/2017	300.0
	Nitrite	0	U	1	0.022		0.15	mg/L		12/22/2017	300.0
	Phosphorus, Ortho	0	U	1	0.01		0.25	mg/L		12/22/2017	300.0
	Sulfate	0	U	1	0.13		0.75	mg/L		12/22/2017	300.0



Report of Analysis

Client:		Date Collected:	12/18/2017 12:00:00 AM
Project:	LB92359	Date Received:	12/21/2017 12:00:00 AM
Client Sample ID:	POOL-WATER	SDG No.:	LB92359
Lab Sample ID:	I7048-01	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		12/22/2017	300.0
	Chloride	0.16		1	0.075		0.15	mg/L		12/22/2017	300.0
	Fluoride	0	U	1	0.043		0.1	mg/L		12/22/2017	300.0
	Nitrate	0.28		1	0.027		0.13	mg/L		12/22/2017	300.0
	Nitrite	0	U	1	0.022		0.15	mg/L		12/22/2017	300.0
	Phosphorus, Ortho	0	U	1	0.01		0.25	mg/L		12/22/2017	300.0
	Sulfate	0	U	1	0.13		0.75	mg/L		12/22/2017	300.0



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Report of Analysis

Client:		Date Collected:	12/18/2017 12:00:00 AM
Project:	LB92359	Date Received:	12/21/2017 12:00:00 AM
Client Sample ID:	POOL-WATER	SDG No.:	LB92359
Lab Sample ID:	I7048-01	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



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB92359

SDG No.: LB92359

Contract: _____ Lab Code: CHEM

Case No.: LB92359

SAS No.: LB92359

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		12/04/2017	14:19	LB92359
	Chloride	2.9	3	96.7	0	90 - 110		12/04/2017	14:19	LB92359
	Fluoride	2.1	2	105	0	90 - 110		12/04/2017	14:19	LB92359
	Phosphorus, Ortho	5.2	5	104	0	90 - 110		12/04/2017	14:19	LB92359
	Nitrite	2.9	3	96.7	0	90 - 110		12/04/2017	14:19	LB92359
	Nitrate	2.4	2.5	96	0	90 - 110		12/04/2017	14:19	LB92359
	Sulfate	14.3	15	95.3	0	90 - 110		12/04/2017	14:19	LB92359



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB92359

SDG No.: LB92359

Contract: _____ Lab Code: CHEM

Case No.: LB92359

SAS No.: LB92359

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	9.4	10	94	0	90 - 110		12/22/2017	10:01	LB92359
	Chloride	2.8	3	93.3	0	90 - 110		12/22/2017	10:01	LB92359
	Fluoride	2.1	2	105	0	90 - 110		12/22/2017	10:01	LB92359
	Phosphorus, Ortho	5.1	5	102	0	90 - 110		12/22/2017	10:01	LB92359
	Nitrite	2.8	3	93.3	0	90 - 110		12/22/2017	10:01	LB92359
	Nitrate	2.4	2.5	96	0	90 - 110		12/22/2017	10:01	LB92359
	Sulfate	14.1	15	94	0	90 - 110		12/22/2017	10:01	LB92359
CCV2	Bromide	9.4	10	94	0	90 - 110		12/22/2017	14:21	LB92359
	Chloride	2.8	3	93.3	0	90 - 110		12/22/2017	14:21	LB92359
	Fluoride	2	2	100	0	90 - 110		12/22/2017	14:21	LB92359
	Phosphorus, Ortho	5.3	5	106	0	90 - 110		12/22/2017	14:21	LB92359
	Nitrite	2.8	3	93.3	0	90 - 110		12/22/2017	14:21	LB92359
	Nitrate	2.4	2.5	96	0	90 - 110		12/22/2017	14:21	LB92359
	Sulfate	14	15	93.3	0	90 - 110		12/22/2017	14:21	LB92359



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB92359

SDG No.: LB92359

Contract: Lab Code: CHEM

Case No.: LB92359

SAS No.: LB92359

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		12/04/2017	14:51	LB92359
	Chloride	0.075	+/-0.15	U		0.15		12/04/2017	14:51	LB92359
	Fluoride	0.043	+/-0.1	U		0.1		12/04/2017	14:51	LB92359
	Phosphorus, Ortho	0.01	+/-0.25	U		0.25		12/04/2017	14:51	LB92359
	Nitrite	0.022	+/-0.15	U		0.15		12/04/2017	14:51	LB92359
	Nitrate	0.027	+/-0.13	U		0.13		12/04/2017	14:51	LB92359
	Sulfate	0.13	+/-0.75	U		0.75		12/04/2017	14:51	LB92359



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB92359

SDG No.: LB92359

Contract:

Lab Code: CHEM

Case No.: LB92359

SAS No.: LB92359

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		12/22/2017	10:36	LB92359
	Chloride	0.075	+/-0.15	U		0.15		12/22/2017	10:36	LB92359
	Fluoride	0.043	+/-0.1	U		0.1		12/22/2017	10:36	LB92359
	Phosphorus, Ortho	0.01	+/-0.25	U		0.25		12/22/2017	10:36	LB92359
	Nitrite	0.022	+/-0.15	U		0.15		12/22/2017	10:36	LB92359
	Nitrate	0.027	+/-0.13	U		0.13		12/22/2017	10:36	LB92359
	Sulfate	0.13	+/-0.75	U		0.75		12/22/2017	10:36	LB92359
CCB2	Bromide	0.066	+/-0.5	U		0.5		12/22/2017	14:52	LB92359
	Chloride	0.075	+/-0.15	U		0.15		12/22/2017	14:52	LB92359
	Fluoride	0.043	+/-0.1	U		0.1		12/22/2017	14:52	LB92359
	Phosphorus, Ortho	0.01	+/-0.25	U		0.25		12/22/2017	14:52	LB92359
	Nitrite	0.022	+/-0.15	U		0.15		12/22/2017	14:52	LB92359
	Nitrate	0.027	+/-0.13	U		0.13		12/22/2017	14:52	LB92359
	Sulfate	0.13	+/-0.75	U		0.75		12/22/2017	14:52	LB92359



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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB92359

SDG No.: LB92359

Contract: Lab Code: CHEM

Case No.: LB92359

SAS No.: LB92359

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

Client: LB92359

SDG No.: LB92359

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
LB92359BLW		WATER		Batch Number:				Prep Date:		
	Bromide	0.066	<0.5	U		0.5		12/22/2017	11:07	LB92359
	Chloride	0.075	<0.15	U		0.15		12/22/2017	11:07	LB92359
	Fluoride	0.043	<0.1	U		0.1		12/22/2017	11:07	LB92359
	Phosphorus, Ortho	0.01	<0.25	U		0.25		12/22/2017	11:07	LB92359
	Nitrite	0.022	<0.15	U		0.15		12/22/2017	11:07	LB92359
	Nitrate	0.027	<0.13	U		0.13		12/22/2017	11:07	LB92359
	Sulfate	0.13	<0.75	U		0.75		12/22/2017	11:07	LB92359



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MATRIX SPIKE SUMMARY

client: LB92359 **level:** low **sdg no.:** LB92359
contract: **lab code:** CHEM **case no.:** LB92359 **sas no.:** LB92359
matrix: WATER **sample id:** I7048-01 **client id:** POOL-WATERMS
Percent Solids for Sample: 0 **Spiked ID:** I7048-01MS **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	9.9		0.066	U	10	99	
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	5		0.01	U	5	100	
Nitrite	mg/L	80 - 120	3		0.022	U	3	100	
Nitrate	mg/L	80 - 120	2.7		0.28		2.5	97	
Sulfate	mg/L	80 - 120	14.8		0.13	U	15	98.7	

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DUPLICATE SAMPLE SUMMARY

Client: LB92359 **Level:** LOW **SDG No.:** LB92359
Contract: **Lab Code:** CHEM **Case No.:** LB92359 **SAS No.:** LB92359
Matrix: WATER **Sample ID:** I7048-01 **Client ID:** POOL-WATERDUP
Percent Solids for Sample: 0 **Duplicate ID** I7048-01DUP **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		0.15		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	0.28		0.28		0		
Sulfate	mg/L	20	0.13	U	0	U			



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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB92359

SDG No.: LB92359

Contract:

Lab Code: CHEM

Case No.: LB92359

SAS No.: LB92359

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
LB92359BSW							
Bromide	mg/L	10	9.4		94	90 - 110	
Chloride	mg/L	3	2.8		93.3	90 - 110	
Fluoride	mg/L	2	2.1		105	90 - 110	
Phosphorus, Ortho	mg/L	5	5.3		106	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	14		93.3	90 - 110	
