

Daily Analysis Runlog For Sequence/QC Batch ID # LB93579

Review By apatel Review On 2/28/2018 3:47:13 PM

SubDirectory LB93579 Test : Cyanide

STD. NAME		STD REF.#				
ICAL Standard		WP62332,WP62333,WP62334,WP62335,WP62336,WP62337,WP62338				
ICV Standard		W1542				
CCV Standard		WP62339				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP58910				
Chk Standard		WP62341,WP59958,WP60878				

Sr#	SampleId	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	02/28/18 10:00		OK
2	5.0PPBCN	5.0PPBCN	CAL2	02/28/18 10:00		OK
3	10PPBCN	10PPBCN	CAL3	02/28/18 10:00		OK
4	50PPBCN	50PPBCN	CAL4	02/28/18 10:00		OK
5	100PPBCN	100PPBCN	CAL5	02/28/18 10:00		OK
6	250PPBCN	250PPBCN	CAL6	02/28/18 10:00		OK
7	500PPBCN	500PPBCN	CAL7	02/28/18 10:00		OK
8	ICV1	ICV1	ICV	02/28/18 10:49		OK
9	ICB1	ICB1	ICB	02/28/18 10:49		OK
10	CCV1	CCV1	CCV	02/28/18 10:49		OK
11	CCB1	CCB1	CCB	02/28/18 10:49		OK
12	PB106899BL	PB106899BL	MB	02/28/18 10:49		OK
13	PB106899BS	PB106899BS	LCS	02/28/18 10:49		OK
14	LOWPB106899	LOWPB106899	SAM	02/28/18 10:49		OK
15	HIGHPB106899	HIGHPB106899	SAM	02/28/18 10:49		OK
16	J1699-01	B1	SAM	02/28/18 10:49		OK
17	J1699-01DUP	B1DUP	DUP	02/28/18 10:49		OK
18	J1699-01MS	B1MS	MS	02/28/18 10:49		OK
19	J1699-01MSD	B1MSD	MSD	02/28/18 10:57		OK
20	J1699-05	B8	SAM	02/28/18 10:57		OK
21	J1699-09	B7	SAM	02/28/18 10:57		OK

Daily Analysis Runlog For Sequence/QC Batch ID # LB93579

Review By		apatel		Review On		2/28/2018 3:47:13 PM	
SubDirectory		LB93579		Test :		Cyanide	
STD. NAME		STD REF.#					
ICAL Standard		WP62332,WP62333,WP62334,WP62335,WP62336,WP62337,WP62338					
ICV Standard		W1542					
CCV Standard		WP62339					
ICSA Standard		N/A					
CRI Standard		N/A					
LCS Standard		WP58910					
Chk Standard		WP62341,WP59958,WP60878					
22	CCV2	CCV2	CCV	02/28/18 10:57		OK	
23	CCB2	CCB2	CCB	02/28/18 10:57		OK	
24	J1699-13	B5	SAM	02/28/18 10:57		OK	
25	J1699-17	B3	SAM	02/28/18 10:57		OK	
26	J1699-21	B2	SAM	02/28/18 10:57		OK	
27	J1699-25	B4	SAM	02/28/18 10:57		OK	
28	J1699-29	B6	SAM	02/28/18 10:57		OK	
29	J1699-33	B9	SAM	02/28/18 10:57		OK	
30	J1699-37	B11	SAM	02/28/18 11:04		OK	
31	J1699-41	B10	SAM	02/28/18 11:04		OK	
32	J1699-45	B14	SAM	02/28/18 11:04		OK	
33	J1699-49	B16	SAM	02/28/18 11:04		OK	
34	CCV3	CCV3	CCV	02/28/18 11:04		OK	
35	CCB3	CCB3	CCB	02/28/18 11:04		OK	
36	J1699-53	B23	SAM	02/28/18 11:04		OK	
37	J1699-57	B26	SAM	02/28/18 11:04		OK	
38	J1699-61	B21	SAM	02/28/18 11:04		OK	
39	J1699-65	B19	SAM	02/28/18 11:04		OK	
40	J1699-69	B20	SAM	02/28/18 11:04		OK	
41	J1699-73	B27	SAM	02/28/18 11:09		OK	
42	J1699-77	B24	SAM	02/28/18 11:09		OK	
43	J1699-81	B22	SAM	02/28/18 11:09		OK	

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Review By		apatel		Review On		2/28/2018 3:47:13 PM	
SubDirectory		LB93579		Test : Cyanide			
STD. NAME		STD REF.#					
ICAL Standard		WP62332,WP62333,WP62334,WP62335,WP62336,WP62337,WP62338					
ICV Standard		W1542					
CCV Standard		WP62339					
ICSA Standard		N/A					
CRI Standard		N/A					
LCS Standard		WP58910					
Chk Standard		WP62341,WP59958,WP60878					
44	CCV4	CCV4	CCV	02/28/18 11:09			OK
45	CCB4	CCB4	CCB	02/28/18 11:09			OK



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Report of Analysis

Client:		Date Collected:	2/21/2018 12:00:00 AM
Project:	LB93479	Date Received:	2/21/2018 12:00:00 AM
Client Sample ID:	MW-9	SDG No.:	LB93479
Lab Sample ID:	J1642-01	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	1.5		1	0.066		0.5	mg/L		02/23/2018	300.0
	Chloride	324	OR	1	0.075		0.15	mg/L		02/23/2018	300.0
	Fluoride	0	U	1	0.043		0.1	mg/L		02/23/2018	300.0
	Nitrate	0	U	1	0.027		0.13	mg/L		02/23/2018	300.0
	Nitrite	0	U	1	0.022		0.15	mg/L		02/23/2018	300.0
	Phosphorus, Ortho	0	U	1	0.01		0.25	mg/L		02/23/2018	300.0
	Sulfate	2.4		1	0.13		0.75	mg/L		02/23/2018	300.0



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Report of Analysis

Client:		Date Collected:	2/21/2018 12:00:00 AM
Project:	LB93479	Date Received:	2/21/2018 12:00:00 AM
Client Sample ID:	MW-9DL	SDG No.:	LB93479
Lab Sample ID:	J1642-01DL	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	100	6.6		50	mg/L		02/23/2018	300.0
	Chloride	235	D	100	7.5		15	mg/L		02/23/2018	300.0
	Fluoride	0	UD	100	4.3		10	mg/L		02/23/2018	300.0
	Nitrate	0	UD	100	2.7		12.5	mg/L		02/23/2018	300.0
	Nitrite	0	UD	100	2.2		15	mg/L		02/23/2018	300.0
	Phosphorus, Ortho	0	UD	100	1		25	mg/L		02/23/2018	300.0
	Sulfate	0	UD	100	13.2		75	mg/L		02/23/2018	300.0



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Report of Analysis

Client:		Date Collected:	2/21/2018 12:00:00 AM
Project:	LB93479	Date Received:	2/21/2018 12:00:00 AM
Client Sample ID:	FB022118	SDG No.:	LB93479
Lab Sample ID:	J1642-02	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		02/23/2018	300.0
	Chloride	0	U	1	0.075		0.15	mg/L		02/23/2018	300.0
	Fluoride	0	U	1	0.043		0.1	mg/L		02/23/2018	300.0
	Nitrate	0	U	1	0.027		0.13	mg/L		02/23/2018	300.0
	Nitrite	0	U	1	0.022		0.15	mg/L		02/23/2018	300.0
	Phosphorus, Ortho	0	U	1	0.01		0.25	mg/L		02/23/2018	300.0
	Sulfate	0	U	1	0.13		0.75	mg/L		02/23/2018	300.0



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Report of Analysis

Client:		Date Collected:	2/22/2018 12:00:00 AM
Project:	LB93479	Date Received:	2/23/2018 12:00:00 AM
Client Sample ID:	CELL-A-POOL-WATER	SDG No.:	LB93479
Lab Sample ID:	J1669-01	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		02/23/2018	300.0
	Chloride	0	U	1	0.075		0.15	mg/L		02/23/2018	300.0
	Fluoride	0	U	1	0.043		0.1	mg/L		02/23/2018	300.0
	Nitrate	0.18		1	0.027		0.13	mg/L		02/23/2018	300.0
	Nitrite	0	U	1	0.022		0.15	mg/L		02/23/2018	300.0
	Phosphorus, Ortho	0	U	1	0.01		0.25	mg/L		02/23/2018	300.0
	Sulfate	0	U	1	0.13		0.75	mg/L		02/23/2018	300.0



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Report of Analysis

Client:		Date Collected:	2/22/2018 12:00:00 AM
Project:	LB93479	Date Received:	2/23/2018 12:00:00 AM
Client Sample ID:	CELL-B-POOL-WATER	SDG No.:	LB93479
Lab Sample ID:	J1669-02	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		02/23/2018	300.0
	Chloride	0	U	1	0.075		0.15	mg/L		02/23/2018	300.0
	Fluoride	0	U	1	0.043		0.1	mg/L		02/23/2018	300.0
	Nitrate	0.18		1	0.027		0.13	mg/L		02/23/2018	300.0
	Nitrite	0	U	1	0.022		0.15	mg/L		02/23/2018	300.0
	Phosphorus, Ortho	0	U	1	0.01		0.25	mg/L		02/23/2018	300.0
	Sulfate	0	U	1	0.13		0.75	mg/L		02/23/2018	300.0



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Report of Analysis

Client:		Date Collected:	2/22/2018 12:00:00 AM
Project:	LB93479	Date Received:	2/23/2018 12:00:00 AM
Client Sample ID:	CELL-C-POOL-WATER	SDG No.:	LB93479
Lab Sample ID:	J1669-03	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	1	0.066		0.5	mg/L		02/23/2018	300.0
	Chloride	0	U	1	0.075		0.15	mg/L		02/23/2018	300.0
	Fluoride	0	U	1	0.043		0.1	mg/L		02/23/2018	300.0
	Nitrate	0.28		1	0.027		0.13	mg/L		02/23/2018	300.0
	Nitrite	0	U	1	0.022		0.15	mg/L		02/23/2018	300.0
	Phosphorus, Ortho	0	U	1	0.01		0.25	mg/L		02/23/2018	300.0
	Sulfate	0	U	1	0.13		0.75	mg/L		02/23/2018	300.0



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Report of Analysis

Client:		Date Collected:	2/22/2018 12:00:00 AM
Project:	LB93479	Date Received:	2/23/2018 12:00:00 AM
Client Sample ID:	POOL-CELL-WATER	SDG No.:	LB93479
Lab Sample ID:	J1670-01	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		02/23/2018	300.0
	Chloride	0	U	1	0.075		0.15	mg/L		02/23/2018	300.0
	Fluoride	0	U	1	0.043		0.1	mg/L		02/23/2018	300.0
	Nitrate	0	U	1	0.027		0.13	mg/L		02/23/2018	300.0
	Nitrite	0	U	1	0.022		0.15	mg/L		02/23/2018	300.0
	Phosphorus, Ortho	0	U	1	0.01		0.25	mg/L		02/23/2018	300.0
	Sulfate	0	U	1	0.13		0.75	mg/L		02/23/2018	300.0



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Report of Analysis

Client:		Date Collected:	2/23/2018 12:00:00 AM
Project:	LB93479	Date Received:	2/23/2018 12:00:00 AM
Client Sample ID:	DSN001	SDG No.:	LB93479
Lab Sample ID:	J1690-01	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		02/23/2018	300.0
	Chloride	202	OR	1	0.075		0.15	mg/L		02/23/2018	300.0
	Fluoride	0	U	1	0.043		0.1	mg/L		02/23/2018	300.0
	Nitrate	0.7		1	0.027		0.13	mg/L		02/23/2018	300.0
	Nitrite	0	U	1	0.022		0.15	mg/L		02/23/2018	300.0
	Phosphorus, Ortho	0	U	1	0.01		0.25	mg/L		02/23/2018	300.0
	Sulfate	13.1		1	0.13		0.75	mg/L		02/23/2018	300.0



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Report of Analysis

Client:		Date Collected:	2/23/2018 12:00:00 AM
Project:	LB93479	Date Received:	2/23/2018 12:00:00 AM
Client Sample ID:	1-BSMT-CITY-WATER	SDG No.:	LB93479
Lab Sample ID:	J1692-01	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		02/23/2018	300.0
	Chloride	14.8	OR	1	0.075		0.15	mg/L		02/23/2018	300.0
	Fluoride	0.82		1	0.043		0.1	mg/L		02/23/2018	300.0
	Nitrate	0.2		1	0.027		0.13	mg/L		02/23/2018	300.0
	Nitrite	0	U	1	0.022		0.15	mg/L		02/23/2018	300.0
	Phosphorus, Ortho	0.73		1	0.01		0.25	mg/L		02/23/2018	300.0
	Sulfate	4.2		1	0.13		0.75	mg/L		02/23/2018	300.0



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Report of Analysis

Client:		Date Collected:	2/23/2018 12:00:00 AM
Project:	LB93479	Date Received:	2/23/2018 12:00:00 AM
Client Sample ID:	1-BSMT-CITY-WATERDL	SDG No.:	LB93479
Lab Sample ID:	J1692-01DL	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		02/26/2018	300.0
	Chloride	14.2	D	5	0.38		0.75	mg/L		02/26/2018	300.0
	Fluoride	0	UD	5	0.22		0.5	mg/L		02/26/2018	300.0
	Nitrate	0	UD	5	0.14		0.63	mg/L		02/26/2018	300.0
	Nitrite	0	UD	5	0.11		0.75	mg/L		02/26/2018	300.0
	Phosphorus, Ortho	0	UD	5	0.05		1.3	mg/L		02/26/2018	300.0
	Sulfate	0	UD	5	0.66		3.8	mg/L		02/26/2018	300.0



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Report of Analysis

Client:		Date Collected:	2/23/2018 12:00:00 AM
Project:	LB93479	Date Received:	2/23/2018 12:00:00 AM
Client Sample ID:	1-BSMT-CITY-WATERDL	SDG No.:	LB93479
Lab Sample ID:	J1692-01DL	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: LB93479

SDG No.: LB93479

Contract: _____ Lab Code: CHEM

Case No.: LB93479

SAS No.: LB93479

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	9.8	10	98		90 - 110		02/20/2018	10:46	LB93479
	Chloride	2.9	3	96.7		90 - 110		02/20/2018	10:46	LB93479
	Fluoride	2.1	2	105		90 - 110		02/20/2018	10:46	LB93479
	Phosphorus, Ortho	5	5	100		90 - 110		02/20/2018	10:46	LB93479
	Nitrite	3	3	100		90 - 110		02/20/2018	10:46	LB93479
	Nitrate	2.4	2.5	96		90 - 110		02/20/2018	10:46	LB93479
	Sulfate	15.4	15	102.7		90 - 110		02/20/2018	10:46	LB93479



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB93479

SDG No.: LB93479

Contract: _____ Lab Code: CHEM

Case No.: LB93479

SAS No.: LB93479

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
CCV1	Bromide	9.6	10	96		90 - 110		02/23/2018	10:59	LB93479
	Chloride	2.9	3	96.7		90 - 110		02/23/2018	10:59	LB93479
	Fluoride	1.8	2	90		90 - 110		02/23/2018	10:59	LB93479
	Phosphorus, Ortho	5.2	5	104		90 - 110		02/23/2018	10:59	LB93479
	Nitrite	3	3	100		90 - 110		02/23/2018	10:59	LB93479
	Nitrate	2.4	2.5	96		90 - 110		02/23/2018	10:59	LB93479
	Sulfate	14.7	15	98		90 - 110		02/23/2018	10:59	LB93479
CCV2	Bromide	9.8	10	98		90 - 110		02/23/2018	17:15	LB93479
	Chloride	3	3	100		90 - 110		02/23/2018	17:15	LB93479
	Fluoride	2.1	2	105		90 - 110		02/23/2018	17:15	LB93479
	Phosphorus, Ortho	5.4	5	108		90 - 110		02/23/2018	17:15	LB93479
	Nitrite	3	3	100		90 - 110		02/23/2018	17:15	LB93479
	Nitrate	2.4	2.5	96		90 - 110		02/23/2018	17:15	LB93479
	Sulfate	14.3	15	95.3		90 - 110		02/23/2018	17:15	LB93479
CCV3	Bromide	9.9	10	99		90 - 110		02/23/2018	19:50	LB93479
	Chloride	3	3	100		90 - 110		02/23/2018	19:50	LB93479
	Fluoride	2.1	2	105		90 - 110		02/23/2018	19:50	LB93479
	Phosphorus, Ortho	5.3	5	106		90 - 110		02/23/2018	19:50	LB93479
	Nitrite	3	3	100		90 - 110		02/23/2018	19:50	LB93479
	Nitrate	2.4	2.5	96		90 - 110		02/23/2018	19:50	LB93479
	Sulfate	14.3	15	95.3		90 - 110		02/23/2018	19:50	LB93479
CCV4	Bromide	9.7	10	97		90 - 110		02/26/2018	11:07	LB93479
	Chloride	3	3	100		90 - 110		02/26/2018	11:07	LB93479
	Fluoride	2.1	2	105		90 - 110		02/26/2018	11:07	LB93479
	Phosphorus, Ortho	5.2	5	104		90 - 110		02/26/2018	11:07	LB93479
	Nitrite	2.9	3	96.7		90 - 110		02/26/2018	11:07	LB93479
	Nitrate	2.4	2.5	96		90 - 110		02/26/2018	11:07	LB93479
	Sulfate	14.2	15	94.7		90 - 110		02/26/2018	11:07	LB93479
CCV5	Bromide	10	10	100		90 - 110		02/26/2018	18:30	LB93479
	Chloride	3	3	100		90 - 110		02/26/2018	18:30	LB93479
	Fluoride	2.1	2	105		90 - 110		02/26/2018	18:30	LB93479
	Phosphorus, Ortho	4.9	5	98		90 - 110		02/26/2018	18:30	LB93479
	Nitrite	3	3	100		90 - 110		02/26/2018	18:30	LB93479
	Nitrate	2.5	2.5	100		90 - 110		02/26/2018	18:30	LB93479



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB93479

SDG No.: LB93479

Contract:

Lab Code: CHEM

Case No.: LB93479

SAS No.: LB93479

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		02/20/2018	11:28	LB93479
	Chloride	0.075	+/-0.15	U		0.15		02/20/2018	11:28	LB93479
	Fluoride	0.043	+/-0.1	U		0.1		02/20/2018	11:28	LB93479
	Phosphorus, Ortho	0.01	+/-0.25	U		0.25		02/20/2018	11:28	LB93479
	Nitrite	0.022	+/-0.15	U		0.15		02/20/2018	11:28	LB93479
	Nitrate	0.027	+/-0.13	U		0.13		02/20/2018	11:28	LB93479
	Sulfate	0.13	+/-0.75	U		0.75		02/20/2018	11:28	LB93479

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		02/23/2018	11:31	LB93479
	Chloride	0.075	+/-0.15	U		0.15		02/23/2018	11:31	LB93479
	Fluoride	0.043	+/-0.1	U		0.1		02/23/2018	11:31	LB93479
	Phosphorus, Ortho	0.01	+/-0.25	U		0.25		02/23/2018	11:31	LB93479
	Nitrite	0.022	+/-0.15	U		0.15		02/23/2018	11:31	LB93479
	Nitrate	0.027	+/-0.13	U		0.13		02/23/2018	11:31	LB93479
	Sulfate	0.13	+/-0.75	U		0.75		02/23/2018	11:31	LB93479
CCB2	Bromide	0.066	+/-0.5	U		0.5		02/23/2018	17:46	LB93479
	Chloride	0.075	+/-0.15	U		0.15		02/23/2018	17:46	LB93479
	Fluoride	0.043	+/-0.1	U		0.1		02/23/2018	17:46	LB93479
	Phosphorus, Ortho	0.01	+/-0.25	U		0.25		02/23/2018	17:46	LB93479
	Nitrite	0.022	+/-0.15	U		0.15		02/23/2018	17:46	LB93479
	Nitrate	0.027	+/-0.13	U		0.13		02/23/2018	17:46	LB93479
	Sulfate	0.13	+/-0.75	U		0.75		02/23/2018	17:46	LB93479
CCB3	Bromide	0.066	+/-0.5	U		0.5		02/23/2018	20:21	LB93479
	Chloride	0.075	+/-0.15	U		0.15		02/23/2018	20:21	LB93479
	Fluoride	0.043	+/-0.1	U		0.1		02/23/2018	20:21	LB93479
	Phosphorus, Ortho	0.01	+/-0.25	U		0.25		02/23/2018	20:21	LB93479
	Nitrite	0.022	+/-0.15	U		0.15		02/23/2018	20:21	LB93479
	Nitrate	0.027	+/-0.13	U		0.13		02/23/2018	20:21	LB93479
	Sulfate	0.13	+/-0.75	U		0.75		02/23/2018	20:21	LB93479
CCB4	Bromide	0.066	+/-0.5	U		0.5		02/26/2018	12:00	LB93479
	Chloride	0.075	+/-0.15	U		0.15		02/26/2018	12:00	LB93479
	Fluoride	0.043	+/-0.1	U		0.1		02/26/2018	12:00	LB93479
	Phosphorus, Ortho	0.01	+/-0.25	U		0.25		02/26/2018	12:00	LB93479
	Nitrite	0.022	+/-0.15	U		0.15		02/26/2018	12:00	LB93479
	Nitrate	0.027	+/-0.13	U		0.13		02/26/2018	12:00	LB93479
	Sulfate	0.13	+/-0.75	U		0.75		02/26/2018	12:00	LB93479
CCB5	Bromide	0.066	+/-0.5	U		0.5		02/26/2018	19:01	LB93479
	Chloride	0.075	+/-0.15	U		0.15		02/26/2018	19:01	LB93479
	Fluoride	0.043	+/-0.1	U		0.1		02/26/2018	19:01	LB93479
	Phosphorus, Ortho	0.01	+/-0.25	U		0.25		02/26/2018	19:01	LB93479
	Nitrite	0.022	+/-0.15	U		0.15		02/26/2018	19:01	LB93479
	Nitrate	0.027	+/-0.13	U		0.13		02/26/2018	19:01	LB93479
	Sulfate	0.13	+/-0.75	U		0.75		02/26/2018	19:01	LB93479



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB93479

SDG No.: LB93479

Contract: Lab Code: CHEM

Case No.: LB93479

SAS No.: LB93479

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: LB93479

SDG No.: LB93479

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
LB93479BLW		WATER		Batch Number:				Prep Date:		
	Bromide	0.066	<0.5	U		0.5		02/23/2018	12:02	LB93479
	Chloride	0.075	<0.15	U		0.15		02/23/2018	12:02	LB93479
	Fluoride	0.043	<0.1	U		0.1		02/23/2018	12:02	LB93479
	Phosphorus, Ortho	0.01	<0.25	U		0.25		02/23/2018	12:02	LB93479
	Nitrite	0.022	<0.15	U		0.15		02/23/2018	12:02	LB93479
	Nitrate	0.027	<0.13	U		0.13		02/23/2018	12:02	LB93479
	Sulfate	0.13	<0.75	U		0.75		02/23/2018	12:02	LB93479
Sample ID	Analyte	Result (mg/L)	Acceptance Limit	Conc Qual	LOD mg/L	CRQL mg/L	M	Analysis Date	Analysis Time	Run
LB93479BLW2		WATER		Batch Number:				Prep Date:		
	Bromide	0.066	<0.5	U		0.5		02/26/2018	12:31	LB93479
	Chloride	0.075	<0.15	U		0.15		02/26/2018	12:31	LB93479
	Fluoride	0.043	<0.1	U		0.1		02/26/2018	12:31	LB93479
	Phosphorus, Ortho	0.01	<0.25	U		0.25		02/26/2018	12:31	LB93479
	Nitrite	0.022	<0.15	U		0.15		02/26/2018	12:31	LB93479
	Nitrate	0.027	<0.13	U		0.13		02/26/2018	12:31	LB93479
	Sulfate	0.13	<0.75	U		0.75		02/26/2018	12:31	LB93479



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB93479 level: low sdg no.: LB93479
contract: _____ lab code: CHEM case no.: LB93479 sas no.: LB93479
matrix: WATER sample id: J1670-01 client id: POOL-CELL-WATERMS
Percent Solids for Sample: 0 Spiked ID: J1670-01MS 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		0.075	U	3	100		
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	2.5		0.027	U	2.5	100		
Sulfate	mg/L	80 - 120	16.5		0.13	U	15	110		

GENCHEM

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB93479 **Level:** LOW **SDG No.:** LB93479
Contract: _____ **Lab Code:** CHEM **Case No.:** LB93479 **SAS No.:** LB93479
Matrix: WATER **Sample ID:** J1670-01 **Client ID:** POOL-CELL-WATERDUP
Percent Solids for Sample: 0 **Duplicate ID** J1670-01DUP **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	0.027	U	0	U			
Sulfate	mg/L	20	0.13	U	0	U			



GENCHEM

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: LB93479

SDG No.: LB93479

Contract: _____

Lab Code: CHEM

Case No.: LB93479

SAS No.: LB93479

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
LB93479BSW							
Bromide	mg/L	10	9.7		97	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	5.3		106	90 - 110	
Nitrite	mg/L	3	3		100	90 - 110	
Nitrate	mg/L	2.5	2.4		96	90 - 110	
Sulfate	mg/L	15	14.9		99.3	90 - 110	



GENCHEM

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: LB93479

SDG No.: LB93479

Contract:

Lab Code: CHEM

Case No.: LB93479

SAS No.: LB93479

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
LB93479BSW2							
Bromide	mg/L	10	10.3		103	90 - 110	
Chloride	mg/L	3	3		100	90 - 110	
Fluoride	mg/L	2	2.1		105	90 - 110	
Phosphorus, Ortho	mg/L	5	5.4		108	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	15		100	90 - 110	