

Daily Analysis Runlog For Sequence/QC Batch ID # LB94056

Review By		Review On				
SubDirectory		LB94056		Test : TOC		
STD. NAME		STD REF.#				
ICAL Standard		WP62677,WP62678,WP62679,WP62680,WP62681,WP62682,WP62683,WP62684,WP62685				
ICV Standard		WP62686				
CCV Standard		WP62684				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP62686				
Chk Standard		wp62726				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPM	0.0PPM	CAL1	03/14/18 14:04		OK
2	0.5PPM	0.5PPM	CAL2	03/14/18 14:16		OK
3	1.0PPM	1.0PPM	CAL3	03/14/18 14:30		OK
4	2.0PPM	2.0PPM	CAL4	03/14/18 14:43		OK
5	5.0PPM	5.0PPM	CAL5	03/14/18 14:56		OK
6	10.0PPM	10.0PPM	CAL6	03/14/18 15:10		OK
7	20.0PPM	20.0PPM	CAL7	03/14/18 15:24		OK
8	ICV1	ICV1	ICV	03/14/18 15:38		OK
9	ICB1	ICB1	ICB	03/14/18 15:51		OK
10	CCV1	CCV1	CCV	03/21/18 13:19		OK
11	CCB1	CCB1	CCB	03/21/18 13:31		OK
12	LB94056BLW	LB94056BLW	MB	03/21/18 13:55		OK
13	LB94056BSW	LB94056BSW	LCS	03/21/18 14:23		OK
14	J2003-01	EFF-180320-04	SAM	03/21/18 15:15		OK
15	J2003-01MS	EFF-180320-04MS	MS	03/21/18 16:11		OK
16	J2003-01MSD	EFF-180320-04MSD	MSD	03/21/18 17:08		OK
17	CCV2	CCV2	CCV	03/21/18 17:22		OK
18	CCB2	CCB2	CCB	03/21/18 17:35		OK



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Report of Analysis

Client:		Date Collected:	3/20/2018 12:00:00 AM
Project:	LB94056	Date Received:	3/21/2018 12:00:00 AM
Client Sample ID:	EFF-180320-04	SDG No.:	LB94056
Lab Sample ID:	J2003-01	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
10-35-5	TOC	1.4		1	0.097		0.5	mg/L		03/21/2018	9060



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Client Sample ID:	EFF-180320-04	SDG No.:	LB94056
Lab Sample ID:	J2003-01	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: LB94056

SDG No.: LB94056

Contract: _____

Lab Code: CHEM

Case No.: LB94056

SAS No.: LB94056

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	TOC	10.4	10	104		90 - 110		03/14/2018	15:38	LB94056



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB94056

SDG No.: LB94056

Contract: _____ Lab Code: CHEM

Case No.: LB94056

SAS No.: LB94056

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	TOC	10.2	10	102		90 - 110		03/21/2018	13:19	LB94056
CCV2	TOC	10.3	10	103		90 - 110		03/21/2018	17:22	LB94056



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB94056

SDG No.: LB94056

Contract:

Lab Code: CHEM

Case No.: LB94056

SAS No.: LB94056

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	TOC	0.28	+/-0.5	J			0.5	03/14/2018	15:51	LB94056



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB94056

SDG No.: LB94056

Contract:

Lab Code: CHEM

Case No.: LB94056

SAS No.: LB94056

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	TOC	0.19	+/-0.5	J		0.5		03/21/2018	13:31	LB94056
CCB2	TOC	0.23	+/-0.5	J		0.5		03/21/2018	17:35	LB94056



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB94056

SDG No.: LB94056

Contract: Lab Code: CHEM

Case No.: LB94056

SAS No.: LB94056

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
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- 3b -
PREPARATION BLANK SUMMARY

Client: LB94056 **SDG No.:** LB94056

Instrument: Appolo-9000

Sample ID	Analyte	Result (mg/L)	Acceptance Limit	Conc Qual	LOD mg/L	CRQL mg/L	M	Analysis Date	Analysis Time	Run
LB94056BLW	TOC	WATER 0.099	<0.5	Batch Number: J		0.5		Prep Date: 03/21/2018	13:55	LB94056



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- 5a -
MATRIX SPIKE SUMMARY

client: LB94056 level: low sdg no.: LB94056
contract: lab code: CHEM case no.: LB94056 sas no.: LB94056
matrix: WATER sample id: J2003-01 client id: EFF-180320-04MS
Percent Solids for Sample: 0 Spiked ID: J2003-01MS Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
TOC	mg/L	75 - 125	11.7		1.4		10	103		



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- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB94056 level: low sdg no.: LB94056
contract: lab code: CHEM case no.: LB94056 sas no.: LB94056
matrix: WATER sample id: J2003-01 client id: EFF-180320-04MSD
Percent Solids for Sample: 0 Spiked ID: J2003-01MSD Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
TOC	mg/L	75 - 125	11.8		1.4		10	104		

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DUPLICATE SAMPLE SUMMARY

Client: LB94056 **Level:** LOW **SDG No.:** LB94056
Contract: **Lab Code:** CHEM **Case No.:** LB94056 **SAS No.:** LB94056
Matrix: WATER **Sample ID:** J2003-01MS **Client ID:** EFF-180320-04MSD
Percent Solids for Sample: 0 **Duplicate ID** J2003-01MSD **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
TOC	mg/L	20	11.7		11.8		1		



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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB94056

SDG No.: LB94056

Contract:

Lab Code: CHEM

Case No.: LB94056

SAS No.: LB94056

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
LB94056BSW TOC	mg/L	10	10.3		103	90 - 110	

TOC Raw Data

Sequence ID : LB94056

Method ID : 9060

LabSampleID	Response	Result(ppm)	%RSD	Anal DateTime	Sample Vol/Wt
0.0PPM	10033	0.0PPM		3/14/2018 2:04:00 PM	0.5
		0.0PPM			
0.5PPM	59089	0.5PPM		3/14/2018 2:16:00 PM	0.5
		0.5PPM			
1.0PPM	104600	1.0PPM		3/14/2018 2:30:00 PM	0.5
		1.0PPM			
2.0PPM	174048	2.0PPM		3/14/2018 2:43:00 PM	0.5
		2.0PPM			
5.0PPM	395014	5.0PPM		3/14/2018 2:56:00 PM	0.5
		5.0PPM			
10.0PPM	785896	10.0PPM		3/14/2018 3:10:00 PM	0.5
		10.0PPM			
20.0PPM	1476050	20.0PPM		3/14/2018 3:24:00 PM	0.5
		20.0PPM			
ICV1	763209	10.4277		3/14/2018 3:38:00 PM	0.500
ICB1	20431	0.2791		3/14/2018 3:51:00 PM	0.500
CCV1	744148	10.1672		3/21/2018 1:19:00 PM	0.5
CCB1	14047	0.1919		3/21/2018 1:31:00 PM	0.5
LB94056BLW	4290	0.0586		3/21/2018 1:45:00 PM	0.5
LB94056BLW	10960	0.1498		3/21/2018 1:48:00 PM	0.5
LB94056BLW	9982	0.1364		3/21/2018 1:51:00 PM	0.5
LB94056BLW	3767	0.0515		3/21/2018 1:55:00 PM	0.5
		0.099075	51.6894		
LB94056BSW	746513	10.1996		3/21/2018 2:10:00 PM	0.5
LB94056BSW	781573	10.6786		3/21/2018 2:15:00 PM	0.5
LB94056BSW	748277	10.2236		3/21/2018 2:19:00 PM	0.5
LB94056BSW	751406	10.2664		3/21/2018 2:23:00 PM	0.5
		10.3421	2.1858		
J2003-01	124532	1.7015		3/21/2018 3:04:00 PM	0.5
J2003-01	99655	1.3616		3/21/2018 3:08:00 PM	0.5
J2003-01	98441	1.345		3/21/2018 3:11:00 PM	0.5
J2003-01	93117	1.2722		3/21/2018 3:15:00 PM	0.5
		1.42008	13.4917		
J2003-01MS	856314	11.6997		3/21/2018 3:58:00 PM	0.5
J2003-01MS	876247	11.9721		3/21/2018 4:03:00 PM	0.5
J2003-01MS	836791	11.433		3/21/2018 4:07:00 PM	0.5
J2003-01MS	854600	11.6763		3/21/2018 4:11:00 PM	0.5
		11.6953	1.885		
J2003-01MSD	878223	11.9991		3/21/2018 4:55:00 PM	0.5
J2003-01MSD	877801	11.9933		3/21/2018 4:59:00 PM	0.5
J2003-01MSD	843705	11.5275		3/21/2018 5:03:00 PM	0.5
J2003-01MSD	854647	11.677		3/21/2018 5:08:00 PM	0.5
		11.7992	1.9959		
CCV2	756142	10.3311		3/21/2018 5:22:00 PM	0.5



TOC Raw Data

Sequence ID : LB94056 Method ID : 9060

LabSampleID	Response	Result(ppm)	%RSD	Anal DateTime	Sample Vol/Wt
CCB2	17032	0.2327		3/21/2018 5:35:00 PM	0.5