

Daily Analysis Runlog For Sequence/QC Batch ID # LB95945

Review By		Review On				
SubDirectory		LB95945		Test : TOC		
STD. NAME		STD REF.#				
ICAL Standard		wp64486,wp64487,wp64488,wp64489,wp64490,wp64491,wp64492,wp64493				
ICV Standard		WP64495				
CCV Standard		wp64492				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP64495				
Chk Standard		wp62726				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPM	0.0PPM	CAL1	05/15/18 11:50		OK
2	0.5PPM	0.5PPM	CAL2	05/15/18 12:03		OK
3	1.0PPM	1.0PPM	CAL3	05/15/18 12:16		OK
4	2.0PPM	2.0PPM	CAL4	05/15/18 12:29		OK
5	5.0PPM	5.0PPM	CAL5	05/15/18 12:43		OK
6	10.0PPM	10.0PPM	CAL6	05/15/18 12:57		OK
7	20.0PPM	20.0PPM	CAL7	05/15/18 13:12		OK
8	ICV1	ICV1	ICV	05/15/18 13:28		OK
9	ICB1	ICB1	ICB	05/15/18 13:41		OK
10	CCV1	CCV1	CCV	06/12/18 10:49		OK
11	CCB1	CCB1	CCB	06/12/18 11:02		OK
12	LB95945BLW	LB95945BLW	MB	06/12/18 11:18		OK
13	LB95945BSW	LB95945BSW	LCS	06/12/18 11:37		OK
14	J3435-01	MW4	SAM	06/12/18 11:56		OK
15	J3435-02	MW8	SAM	06/12/18 12:13		OK
16	J3435-03	MW10	SAM	06/12/18 12:31		OK
17	J3435-04	MW11	SAM	06/12/18 12:49		OK
18	J3435-05	MW12	SAM	06/12/18 13:07		OK
19	J3435-06	NW1	SAM	06/12/18 13:26		OK
20	J3435-07	NW3	SAM	06/12/18 13:43		OK
21	CCV2	CCV2	CCV	06/12/18 14:15		OK

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Review By		Review On				
SubDirectory		LB95945		Test : TOC		
STD. NAME		STD REF.#				
ICAL Standard		wp64486,wp64487,wp64488,wp64489,wp64490,wp64491,wp64492,wp64493				
ICV Standard		WP64495				
CCV Standard		wp64492				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP64495				
Chk Standard		wp62726				
22	CCB2	CCB2	CCB	06/12/18 14:28		OK
23	J3435-08	NW4	SAM	06/12/18 17:00		OK
24	J3435-09	NW6	SAM	06/12/18 17:18		OK
25	J3435-08DUP	NW4DUP	DUP	06/12/18 17:35		OK
26	J3435-08MS	NW4MS	MS	06/12/18 17:54		OK
27	J3435-08MSD	NW4MSD	MSD	06/12/18 18:12		OK
28	CCV3	CCV3	CCV	06/12/18 18:25		OK
29	CCB3	CCB3	CCB	06/12/18 18:38		OK



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Report of Analysis

Client:		Date Collected:	6/7/2018 12:00:00 AM
Project:	LB95945	Date Received:	6/11/2018 12:00:00 AM
Client Sample ID:	MW4	SDG No.:	LB95945
Lab Sample ID:	J3435-01	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	TOC	16.3	D	2	0.16		1	mg/L		06/12/2018	SM5310B



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Report of Analysis

Client:		Date Collected:	6/7/2018 12:00:00 AM
Project:	LB95945	Date Received:	6/11/2018 12:00:00 AM
Client Sample ID:	MW8	SDG No.:	LB95945
Lab Sample ID:	J3435-02	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	TOC	2.6		1	0.08		0.5	mg/L		06/12/2018	SM5310B



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Report of Analysis

Client:		Date Collected:	6/7/2018 12:00:00 AM
Project:	LB95945	Date Received:	6/11/2018 12:00:00 AM
Client Sample ID:	MW10	SDG No.:	LB95945
Lab Sample ID:	J3435-03	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	TOC	4.8		1	0.08		0.5	mg/L		06/12/2018	SM5310B



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Report of Analysis

Client:		Date Collected:	6/7/2018 12:00:00 AM
Project:	LB95945	Date Received:	6/11/2018 12:00:00 AM
Client Sample ID:	MW11	SDG No.:	LB95945
Lab Sample ID:	J3435-04	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	TOC	6.6		1	0.08		0.5	mg/L		06/12/2018	SM5310B



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Report of Analysis

Client:		Date Collected:	6/7/2018 12:00:00 AM
Project:	LB95945	Date Received:	6/11/2018 12:00:00 AM
Client Sample ID:	MW12	SDG No.:	LB95945
Lab Sample ID:	J3435-05	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	TOC	26.5	D	5	0.4		2.5	mg/L		06/12/2018	SM5310B



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Report of Analysis

Client:		Date Collected:	6/7/2018 12:00:00 AM
Project:	LB95945	Date Received:	6/11/2018 12:00:00 AM
Client Sample ID:	NW1	SDG No.:	LB95945
Lab Sample ID:	J3435-06	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	TOC	65.2	D	10	0.8		5	mg/L		06/12/2018	SM5310B



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Report of Analysis

Client:		Date Collected:	6/7/2018 12:00:00 AM
Project:	LB95945	Date Received:	6/11/2018 12:00:00 AM
Client Sample ID:	NW3	SDG No.:	LB95945
Lab Sample ID:	J3435-07	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	TOC	3.6		1	0.08		0.5	mg/L		06/12/2018	SM5310B



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Report of Analysis

Client:		Date Collected:	6/7/2018 12:00:00 AM
Project:	LB95945	Date Received:	6/11/2018 12:00:00 AM
Client Sample ID:	NW4	SDG No.:	LB95945
Lab Sample ID:	J3435-08	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	TOC	3.5		1	0.08		0.5	mg/L		06/12/2018	SM5310B



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Report of Analysis

Client:		Date Collected:	6/7/2018 12:00:00 AM
Project:	LB95945	Date Received:	6/11/2018 12:00:00 AM
Client Sample ID:	NW6	SDG No.:	LB95945
Lab Sample ID:	J3435-09	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	TOC	11.6	D	2	0.16		1	mg/L		06/12/2018	SM5310B



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Report of Analysis

Client:		Date Collected:	6/7/2018 12:00:00 AM
Project:	LB95945	Date Received:	6/11/2018 12:00:00 AM
Client Sample ID:	NW6	SDG No.:	LB95945
Lab Sample ID:	J3435-09	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: LB95945

SDG No.: LB95945

Contract: _____ Lab Code: CHEM

Case No.: LB95945

SAS No.: LB95945

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	10.1	10	101		90 - 110		06/12/2018	10:49	lb95945
CCV2	TOC	11	10	110		90 - 110		06/12/2018	14:15	lb95945
CCV3	TOC	10.2	10	102		90 - 110		06/12/2018	18:25	lb95945



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB95945

SDG No.: LB95945

Contract:

Lab Code: CHEM

Case No.: LB95945

SAS No.: LB95945

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	TOC	0.21	+/-0.5	J		0.5		05/15/2018	13:41	lb95945

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	TOC	0.36	+/-0.5	J			0.5	06/12/2018	11:02	lb95945
CCB2	TOC	0.48	+/-0.5	J			0.5	06/12/2018	14:28	lb95945
CCB3	TOC	0.42	+/-0.5	J			0.5	06/12/2018	18:38	lb95945



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB95945

SDG No.: LB95945

Contract: Lab Code: CHEM

Case No.: LB95945

SAS No.: LB95945

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: LB95945

SDG No.: LB95945

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
LB95945BLW	TOC	WATER 0.19	<0.5	Batch Number: J		0.5		Prep Date: 06/12/2018	11:18	lb95945



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB95945 level: low sdg no.: LB95945
contract: lab code: CHEM case no.: LB95945 sas no.: LB95945
matrix: WATER sample id: J3435-08 client id: NW4MS
Percent Solids for Sample: 0 Spiked ID: J3435-08MS 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	13.5		3.5		10	100		



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB95945 level: low sdg no.: LB95945
contract: lab code: CHEM case no.: LB95945 sas no.: LB95945
matrix: WATER sample id: J3435-08 client id: NW4MSD
Percent Solids for Sample: 0 Spiked ID: J3435-08MSD 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	13.2		3.5		10	97		



GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB95945 Level: LOW SDG No.: LB95945
Contract: _____ Lab Code: CHEM Case No.: LB95945 SAS No.: LB95945
Matrix: WATER Sample ID: J3435-08 Client ID: NW4DUP
Percent Solids for Sample: 0 Duplicate ID J3435-08DUP Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
TOC	mg/L	20	3.5		3.4		3		

“A control limit of $\pm 20\%$ RPD for each matrix applies for sample values greater than 10 times Detection Limit”

GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB95945 **Level:** LOW **SDG No.:** LB95945
Contract: **Lab Code:** CHEM **Case No.:** LB95945 **SAS No.:** LB95945
Matrix: WATER **Sample ID:** J3435-08MS **Client ID:** NW4MSD
Percent Solids for Sample: 0 **Duplicate ID** J3435-08MSD **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
TOC	mg/L	20	13.5		13.2		2		



GENCHEM

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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB95945

SDG No.: LB95945

Contract:

Lab Code: CHEM

Case No.: LB95945

SAS No.: LB95945

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
LB95945BSW TOC	mg/L	10	10.3		103	90 - 110	