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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB86632			SDG No.:	LB86632	
Contract:	Lab Code:	CHEM	Case No.:	LB86632	SAS No.: LB86632
Initial Calibration Source:					
Continuing Calibration Source:					

		Result mg/L	True Value	%	%	Acceptance		Analysis	Analysis	Run
Sample ID	Analyte			Recovery	RSD	Window (%R)	М	Date	Time	Number
ICV1	TOC	10.6	10	106	0	90 - 110		03/20/2017	12:42	LB86632



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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB86632			SDG No.:	LB86632		
Contract:	Lab Code:	CHEM	Case No.:	LB86632	SAS No.:	LB86632
Initial Calibration Source:						
Continuing Calibration Source:						

		Result mg/L	True Value	%	%	Acceptance		Analysis	Analysis	Run
Sample ID	Analyte			Recovery	RSD	Window (%R)	Μ	Date	Time	Number
CCV1	TOC	9.4	10	94	0	90 - 110		03/31/2017	10:06	LB86632
CCV2	TOC	10.4	10	104	0	90 - 110		03/31/2017	13:12	LB86632



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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: <u>I</u>	LB86632				SDG N	No.: LB8	6632			
Contract:		Lab Code	CHEM		Case N	No.: <u>LB8</u>	6632	SA	S No.: LB	86632
Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	М	Analysis Date	Analysis Time	Run Number
ICB1	TOC	0.23	+/-0.5	J		0.5		03/20/2017	12:54	LB86632



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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: I	_B86632				SDO	G No.: <u>LB</u>	86632			
Contract:		_ Lab Code	e: <u>CHEM</u>		. Cas	e No.: <u>LB</u>	86632	SA	S No.: <u>LB</u>	86632
Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	М	Analysis Date	Analysis Time	Run Number
CCB1 CCB2	TOC TOC	0.19 0.12	+/-0.5 +/-0.5	J J		0.5		03/31/2017 03/31/2017	10:25 13:24	LB86632 LB86632



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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB86632				SDG N	No.:	LB86632			
Contract:	Lab Code	: <u>CHEM</u>		Case N	No.:	LB86632	_	SAS No.: LB	86632
Sample ID Analyte	Result mg/L	Acceptance Limit	Conc Oual	LOD	CROI	_ M	Analysis Date	Analysis Time	Run Number



Report of Analysis

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units Prep Date	e Date Ana.	Ana Met.
Level (lo	w/med):	low					%	Solid:	0	
Lab Sam	ple ID:	I2465-01					Ma	atrix:	WATER	
Client Sa	ample ID:	EFF-170329-04					SE	OG No.:	LB86632	
Project:		LB86632					Da	ate Received:	3/30/2017	12:00:00 AM
Client:							Da	ate Collected:	3/29/2017	12:00:00 AM



Report of Analysis

Project: Client Sample ID:	LB86632 EFF-170329-04	Date Received: SDG No.:	3/30/2017 12:00:00 AM LB86632
Lab Sample ID:	I2465-01	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Color Before:	Clarity Before:	Texture:
Color After:	Clarity After:	Artifacts:
Comments:		
U = Not Detected		J = Estimated Value
LOQ = Limit of Quantitation		B = Analyte Found in Associated Method Blank
MDL = Method Detection Limit		* = indicates the duplicate analysis is not within control limits.
LOD = Limit of Detection		E = Indicates the reported value is estimated because of the presence
D = Dilution		of interference.

Q = indicates LCS control criteria did not meet requirements

OR = Over Range

N =Spiked sample recovery not within control limits



GENCHEM - 3b -PREPARATION BLANK SUMMARY

Client: LB86632

SDG No.: LB86632

Instrument: Appolo-9000

Sample ID	Analyte	Result (mg/L)	Acceptance Limit	Conc Qual	LOD mg/L	CRQL mg/L	М	Analysis Date	Analysis Time	Run
LB86632BLW		WATER		Batch Nu	mber:			Prep Date:		
	TOC	0.082	<0.5	U		0.5		03/31/2017	10:48	LB86632



GENCHEM - 5a -MATRIX SPIKE SUMMARY

client: L	.B86632		level:	low		sdg no.:	LB86632		_	
contract:			lab cod	e: <u>CHEM</u>		case no.:	LB86632	sa	s no.:	LB86632
matrix:	WATER		sample id:	12465-01		client id:	EFF-170329	-04MS		
Percent Soli	ds for Sample:	0	Spiked ID:	I2465-01N	IS	Percent Solid	ls for Spike Sa	mple:	0	
Percent Soli	ds for Sample:	0 Acceptance	Spiked ID: Spiked	I2465-01M Sample	15	Percent Solid Spike	ls for Spike Sa %	mple:	0	
Percent Soli	ds for Sample: Units	0 Acceptance Limit %R	<u>.</u>	Sample	IS C		•	mple: Qual	0 M	



GENCHEM - 5a -MATRIX SPIKE DUPLICATE SUMMARY

client: L	B86632		level:	low	sdg no.:	LB86632		
contract:			lab cod	e: <u>CHEM</u>	case no.:	LB86632	sas no.:	LB86632
matrix:	WATER		sample id:	12465-01	client id:	EFF-170329-0	04MSD	
Percent Solid	ls for Sample:	0	Spiked ID:	I2465-01MS	D Percent Solid	ls for Spike Sa	nple: 0	
		Acceptance	MSD	Sample	Spike	%		
Analyte	Units	Acceptance Limit %R	MSD Result C	Sample Result	Spike C Added	% Recovery	Qual M	



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DUPLICATE SAMPLE SUMMARY

Client: LB8	6632		Level: LO	W	SDG	No.:	LB86632		_	
Contract:		_	Lab Code:	CHEM	Case	No.:	LB86632	SA	AS No.:	LB86632
Matrix:	WATER		Sample ID: 124	65-01MS	Client I	D:	EFF-170329-	-04MSD	_	
Percent Solids f	or Sample: ()	Duplicate ID 124	65-01MSD	Percent	Solids	for Spike Sa	mple:	0	
		Acceptance	Sample		Duplicate					
Analyte	Units	Limit	Result	С	Result	С	RPD	Qual	Μ	
TOC	mg/L	20	14.9		15.4		3			

"A control limit of +20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"



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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB866	32				SDG No.:	LB86632		
Contract:			Lab Code:	CHEM	Case No.:	LB86632	SAS No.:	LB86632
					%	Accepta	nce	
Analyte	Units	True Value	Result	С	% Recovery	Accepta Limits		Л
Analyte LB86632BSW	Units	True Value	Result	С		-		4