

## - 2a -

### INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB86779			SDG No.:	LB86779	
Contract:	Lab Code:	CHEM	Case No.:	LB86779	SAS No.: LB86779
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	Phenolics	0.92	1	92	0	90 - 110		04/07/2017	16:16	LB86779



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### INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB86779			SDG No.:	LB86779	
Contract:	Lab Code:	CHEM	Case No.:	LB86779	<b>SAS No.:</b> LB86779
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	Phenolics	0.99	1	99	0	90 - 110		04/07/2017	16:16	LB86779
CCV2	Phenolics	0.99	1	99	0	90 - 110		04/07/2017	16:16	LB86779



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# INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: <u>I</u> Contract:				SDG No.:         LB86779           CHEM         Case No.:         LB86779					SAS No.: LB86779		
Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	М	Analysis Date	Analysis Time	Run Number	
ICB1	Phenolics	0.0042	+/-0.05	J		0.05		04/07/2017	16:16	LB86779	



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### INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: I			<b>SDG No.:</b> LB86779								
Contract:	ontract: Lab Code:				. Cas	Case No.: LB86779			SAS No.: LB86779		
Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	М	Analysis Date	Analysis Time	Run Number	
CCB1 CCB2	Phenolics Phenolics	0.0006 0.0046	+/-0.05 +/-0.05	U J		0.05 0.05		04/07/2017 04/07/2017	16:16 16:16	LB86779 LB86779	



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### INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client:	LB86779		_		SDG	No.:	LB86779			
Contract:		Lab Code:	CHEM		Case	No.:	LB86779	_	SAS No.: LBS	36779
Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQ	L MI	Analysis Date	Analysis Time	Run Number



# **Report of Analysis**

Project: Client Sample IE Lab Sample ID: Level (low/med)		I2561-02 low			Matrix: % Solid:	WATER 0
Client Sample II						
5	J.	CLEAKWELL			SDG NO.:	LB80//9
Project:	٦.	CLEARWELL			SDG No.:	LB86779
		LB86779			Date Received:	4/5/2017 12:00:00 AM
Client:					Date Collected:	4/5/2017 12:00:00 AM

Phenolics	0.0049	J	1	0.002	0.05	mg/L	04/07/2017	04/07/2017 420.1
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# **Report of Analysis**

Client:								Date Collected:	4/5/2017 12:00:00 AM
Project:		LB86779						Date Received:	4/5/2017 12:00:00 AM
Client S	Sample ID:	CLEARWELL						SDG No.:	LB86779
Lab Sar	nple ID:	I2561-02						Matrix:	WATER
Level (1	ow/med):	low						% Solid:	0
Cas	Parameter	Conc.	Oua.	DF	MDL	LOD	LOQ / CR	QL Units Prep Date	Date Ana. Ana Met.

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.

OR = Over Range

Q = indicates LCS control criteria did not meet requirements

N =Spiked sample recovery not within control limits



## GENCHEM - 3b -PREPARATION BLANK SUMMARY

Client: LB86779

**SDG No.:** LB86779

Instrument: Konelab 20

Sample ID	Analyte	Result (mg/L)	Acceptance Limit	Conc Qual	LOD mg/L	CRQL mg/L	М	Analysis Date	Analysis Time	Run
PB98138BL		WATER		Batch Nu	mber:	PB98138		Prep Date:	04/07/20	)17
	Phenolics	0.0043	< 0.05	J		0.05		04/07/2017	16:16	LB86779



### GENCHEM - 5a -MATRIX SPIKE SUMMARY

client:	LB86779		level:	low		sdg no.:	LB86779		_	
contract:			lab coo	le: <u>CHE</u>	Ν	case no.:	LB86779	sa	s no.:	LB86779
matrix:	WATER		sample id:	12561-02		client id:	CLEARWEI	LLMS	_	
Percent Sol	ids for Sample:	0	Spiked ID:	I2561-02	MS	Percent Solid	ls for Spike Sa	mple:	0	
Percent Sol	ids for Sample:	0 Acceptance	Spiked ID: Spiked	I2561-02 Sample	MS	Percent Solic Spike	ls for Spike Sa %	mple:	0	
Percent Sol Analyte	ids for Sample: Units	0 Acceptance Limit %R	<u>.</u>		MS C		•	mple: Qual	0 M	



### GENCHEM - 5a -MATRIX SPIKE DUPLICATE SUMMARY

client: LH	386779		lev	el:	low		sdg no.:	LB86779		_	
contract:			lab	code	: <u>CHEM</u>	1	case no.:	LB86779	sa	s no.:	LB86779
matrix:	WATER		sample	id:	I2561-02		client id:	CLEARWEL	LMSD	_	
Percent Solid	s for Sample:	0	Spiked	ID:	I2561-02N	MSD	Percent Solid	ls for Spike Sa	mple:	0	
		Acceptance	MSD		Sample		Spike	%			
Analyte	Units	Limit %R	Result	С	Result	С	Added	Recovery	Qual	Μ	
Phenolics	mg/L	75 - 125	0.87		0.0049	J	1	87			



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### DUPLICATE SAMPLE SUMMARY

Client: L	.B86779		Level:	OW	SDG	No.:	LB86779		_	
Contract:			Lab Code:	CHEM	Case	No.:	LB86779	SA	AS No.:	LB86779
Matrix:	WATER		Sample ID: 12	2561-02	Client II	D:	CLEARWEL	LDUP	_	
Percent Soli	ds for Sample:	0	Duplicate ID 12	2561-02DUP	Percent	Solids	s for Spike Sa	mple:	0	
		Acceptance	Sample		Duplicate					
Analyte	Units	Limit	Result	С	Result	С	RPD	Qual	Μ	
Phenolics	mg/L	20	0.0049	J	0.0073	J	39	*		

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



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### DUPLICATE SAMPLE SUMMARY

Client: LB	86779		Level: LC	OW	SDG	No.:	LB86779		_	
Contract:			Lab Code:	CHEM	Case	No.:	LB86779	SA	AS No.:	LB86779
Matrix:	WATER		Sample ID: 125	561-02MS	Client I	D:	CLEARWEI	LLMSD	_	
Percent Solids	for Sample:	0	Duplicate ID 125	561-02MSD	Percent	Solids	s for Spike Sa	mple:	0	
		Acceptance	Sample		Duplicate					
Analyte	Units	Limit	Result	С	Result	С	RPD	Qual	Μ	
Phenolics	mg/L	20	0.88		0.87		1			

"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:	LB86779				SDG No.:	LB86779		
Contract:			Lab Code:	CHEM	Case No.:	LB86779	SAS No.:	LB86779
					%	Accepta	ince	
Analyte	Units	True Value	Result	С	% Recovery	Accepta Limit		M