



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB89721

SDG No.: LB89721

Contract: _____ Lab Code: CHEM

Case No.: LB89721

SAS No.: LB89721

Initial Calibration Source: _____

Continuing Calibration Source: _____

Sample ID	Analyte	Result mg/L	True Value	% Recovery	% RSD	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV1	Phenolics		1		0	90 - 110		08/25/2017	14:22	LB89721
CCV2	Phenolics		1		0	90 - 110		08/25/2017	14:28	LB89721



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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB89721

SDG No.: LB89721

Contract:

Lab Code: CHEM

Case No.: LB89721

SAS No.: LB89721

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Phenolics	-0.0035	+/-0.05	U		0.05		08/25/2017	14:22	LB89721

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Phenolics	-0.001	+/-0.05	U		0.05		08/25/2017	14:22	LB89721
CCB2	Phenolics	-0.002	+/-0.05	U		0.05		08/25/2017	14:28	LB89721



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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB89721

SDG No.: LB89721

Contract: Lab Code: CHEM

Case No.: LB89721

SAS No.: LB89721

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

Client: LB89721

SDG No.: LB89721

Instrument: Konelab 20

Sample ID	Analyte	Result (mg/L)	Acceptance Limit	Conc Qual	LOD mg/L	CRQL mg/L	M	Analysis Date	Analysis Time	Run
PB101770BL	Phenolics	WATER 0.0027	<0.05	Batch Number: J		PB101770 0.05		Prep Date: 08/25/2017	08/23/2017 14:22	LB89721



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MATRIX SPIKE SUMMARY

client: LB89721 level: low sdg no.: LB89721
contract: lab code: CHEM case no.: LB89721 sas no.: LB89721
matrix: WATER sample id: I4923-01 client id: SB04-GWMS
Percent Solids for Sample: 0 Spiked ID: I4923-01MS Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Phenolics	mg/L	75 - 125	0.93		0.0023	J	1	93		



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MATRIX SPIKE DUPLICATE SUMMARY

client: LB89721 level: low sdg no.: LB89721
contract: lab code: CHEM case no.: LB89721 sas no.: LB89721
matrix: WATER sample id: I4923-01 client id: SB04-GWMSD
Percent Solids for Sample: 0 Spiked ID: I4923-01MSD Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Phenolics	mg/L	75 - 125	0.98		0.0023	J	1	98		

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DUPLICATE SAMPLE SUMMARY

Client: LB89721 **Level:** LOW **SDG No.:** LB89721
Contract: **Lab Code:** CHEM **Case No.:** LB89721 **SAS No.:** LB89721
Matrix: WATER **Sample ID:** I4923-01 **Client ID:** SB04-GWDUP
Percent Solids for Sample: 0 **Duplicate ID** I4923-01DUP **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Phenolics	mg/L	20	0.0023	J	-0.0024	U	200.0	*	

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DUPLICATE SAMPLE SUMMARY

Client: LB89721 **Level:** LOW **SDG No.:** LB89721
Contract: **Lab Code:** CHEM **Case No.:** LB89721 **SAS No.:** LB89721
Matrix: WATER **Sample ID:** I4923-01MS **Client ID:** SB04-GWMSD
Percent Solids for Sample: 0 **Duplicate ID** I4923-01MSD **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Phenolics	mg/L	20	0.93		0.98		5		



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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB89721

SDG No.: LB89721

Contract:

Lab Code: CHEM

Case No.: LB89721

SAS No.: LB89721

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB101770BS Phenolics	mg/L	1	1		100	80 - 120	



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Report of Analysis

Client:		Date Collected:	8/22/2017 12:00:00 AM
Project:	LB89721	Date Received:	8/22/2017 12:00:00 AM
Client Sample ID:	SB04-GW	SDG No.:	LB89721
Lab Sample ID:	I4923-01	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Phenolics	0.0023	J	1	0.002		0.05	mg/L	08/23/2017	08/25/2017	420.1



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Report of Analysis

Client:		Date Collected:	8/22/2017 12:00:00 AM
Project:	LB89721	Date Received:	8/22/2017 12:00:00 AM
Client Sample ID:	SB01-GW	SDG No.:	LB89721
Lab Sample ID:	I4923-02	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Phenolics	0.0043	J	1	0.002		0.05	mg/L	08/23/2017	08/25/2017	420.1



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Report of Analysis

Client:		Date Collected:	8/22/2017 12:00:00 AM
Project:	LB89721	Date Received:	8/22/2017 12:00:00 AM
Client Sample ID:	SB01-GW	SDG No.:	LB89721
Lab Sample ID:	I4923-02	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
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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