



GENCHEM

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB86775

SDG No.: LB86775

Contract: _____ Lab Code: CHEM

Case No.: LB86775

SAS No.: LB86775

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	TKN	4.9	5	98	0	80 - 120		04/07/2017	10:19	LB86775
CCV2	TKN	4.9	5	98	0	80 - 120		04/07/2017	10:20	LB86775



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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB86775

SDG No.: LB86775

Contract:

Lab Code: CHEM

Case No.: LB86775

SAS No.: LB86775

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	TKN	0.2	+/-0.5	J		0.5		04/07/2017	10:19	LB86775



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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB86775

SDG No.: LB86775

Contract:

Lab Code: CHEM

Case No.: LB86775

SAS No.: LB86775

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	TKN	0.2	+/-0.5	J			0.5	04/07/2017	10:19	LB86775
CCB2	TKN	0.21	+/-0.5	J			0.5	04/07/2017	10:23	LB86775



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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB86775

SDG No.: LB86775

Contract: Lab Code: CHEM

Case No.: LB86775

SAS No.: LB86775

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
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Report of Analysis

Client:		Date Collected:	4/5/2017 12:00:00 AM
Project:	LB86775	Date Received:	4/5/2017 12:00:00 AM
Client Sample ID:	CLEARWELL	SDG No.:	LB86775
Lab Sample ID:	I2561-12	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	TKN	3.9		1	0.096		0.5	mg/L	04/06/2017	04/07/2017	SM4500 N Org



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Report of Analysis

Client:		Date Collected:	4/5/2017 12:00:00 AM
Project:	LB86775	Date Received:	4/5/2017 12:00:00 AM
Client Sample ID:	WWPITOUTLET	SDG No.:	LB86775
Lab Sample ID:	I2570-01	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	TKN	2.5		1	0.096		0.5	mg/L	04/06/2017	04/07/2017	SM4500 N Org



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Report of Analysis

Client:		Date Collected:	4/5/2017 12:00:00 AM
Project:	LB86775	Date Received:	4/5/2017 12:00:00 AM
Client Sample ID:	WWPITOUTLET	SDG No.:	LB86775
Lab Sample ID:	I2570-01	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



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PREPARATION BLANK SUMMARY

Client: LB86775

SDG No.: LB86775

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
PB98093BL	TKN	0.2	<0.5	J						
		WATER		Batch Number:		PB98093		Prep Date:	04/06/2017	
						0.5		04/07/2017	10:19	LB86775



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MATRIX SPIKE SUMMARY

client: LB86775 level: low sdg no.: LB86775
contract: lab code: CHEM case no.: LB86775 sas no.: LB86775
matrix: WATER sample id: I2561-12 client id: CLEARWELLMS
Percent Solids for Sample: 0 Spiked ID: I2561-12MS Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
TKN	mg/L	75 - 125	6.8		3.9		5	58	*	



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MATRIX SPIKE DUPLICATE SUMMARY

client: LB86775 level: low sdg no.: LB86775
contract: lab code: CHEM case no.: LB86775 sas no.: LB86775
matrix: WATER sample id: I2561-12 client id: CLEARWELLMSD
Percent Solids for Sample: 0 Spiked ID: I2561-12MSD Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
TKN	mg/L	75 - 125	6.8		3.9		5	58	*	

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DUPLICATE SAMPLE SUMMARY

Client: LB86775 **Level:** LOW **SDG No.:** LB86775
Contract: **Lab Code:** CHEM **Case No.:** LB86775 **SAS No.:** LB86775
Matrix: WATER **Sample ID:** I2561-12 **Client ID:** CLEARWELLDUP
Percent Solids for Sample: 0 **Duplicate ID** I2561-12DUP **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
TKN	mg/L	20	3.9		3.9		0		

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DUPLICATE SAMPLE SUMMARY

Client: LB86775 **Level:** LOW **SDG No.:** LB86775
Contract: **Lab Code:** CHEM **Case No.:** LB86775 **SAS No.:** LB86775
Matrix: WATER **Sample ID:** I2561-12MS **Client ID:** CLEARWELLMSD
Percent Solids for Sample: 0 **Duplicate ID** I2561-12MSD **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
TKN	mg/L	20	6.8		6.8		0		



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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB86775

SDG No.: LB86775

Contract:

Lab Code: CHEM

Case No.: LB86775

SAS No.: LB86775

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB98093BS TKN	mg/L	5	5.1		102	80 - 120	