

Daily Analysis Runlog For Sequence/QC Batch ID # LB92147

Review By		Review On				
SubDirectory		LB92147		Test : TKN		
STD. NAME		STD REF.#				
ICAL Standard		WP60328				
ICV Standard		WP60330				
CCV Standard		WP60329				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP60331				
Chk Standard		WP60149,WP59925,WP57031,WP59926				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.5PPM	0.5PPM	CAL1	12/13/17 15:11		OK
2	1.0PPM	1.0PPM	CAL2	12/13/17 15:11		OK
3	2.5PPM	2.5PPM	CAL3	12/13/17 15:11		OK
4	5.0PPM	5.0PPM	CAL4	12/13/17 15:11		OK
5	6.7PPM	6.7PPM	CAL5	12/13/17 15:11		OK
6	10.0PPM	10.0PPM	CAL6	12/13/17 15:11		OK
7	ICV1	ICV1	ICV	12/13/17 15:39		OK
8	ICB1	ICB1	ICB	12/13/17 15:39		OK
9	CCV1	CCV1	CCV	12/13/17 15:39		OK
10	CCB1	CCB1	CCB	12/13/17 15:39		OK
11	PB104991BL	PB104991BL	MB	12/13/17 15:39		OK
12	PB104991BS	PB104991BS	LCS	12/13/17 15:39		OK
13	I6878-02	TW-3-DEP	SAM	12/13/17 15:39		OK
14	I6878-02DUP	TW-3-DEPDUP	DUP	12/13/17 15:39		OK
15	I6878-02MS	TW-3-DEPMS	MS	12/13/17 15:45		OK
16	I6878-02MSD	TW-3-DEPMSD	MSD	12/13/17 15:45		OK
17	CCV2	CCV2	CCV	12/13/17 15:45		OK
18	CCB2	CCB2	CCB	12/13/17 15:45		OK



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Report of Analysis

Client:		Date Collected:	12/11/2017 12:00:00 AM
Project:	LB92147	Date Received:	12/12/2017 12:00:00 AM
Client Sample ID:	TW-3-DEP	SDG No.:	LB92147
Lab Sample ID:	I6878-02	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	TKN	1.2		1	0.096		0.5	mg/L	12/13/2017	12/13/2017	SM4500 N Org



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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: LB92147

SDG No.: LB92147

Contract: _____ Lab Code: CHEM

Case No.: LB92147

SAS No.: LB92147

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	4.7	5	94	0	80 - 120		12/13/2017	15:39	LB92147
CCV2	TKN	5	5	100	0	80 - 120		12/13/2017	15:45	LB92147



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB92147

SDG No.: LB92147

Contract:

Lab Code: CHEM

Case No.: LB92147

SAS No.: LB92147

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	TKN	0.085	+/-0.5	U		0.5		12/13/2017	15:39	LB92147



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB92147

SDG No.: LB92147

Contract:

Lab Code: CHEM

Case No.: LB92147

SAS No.: LB92147

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	TKN	0.082	+/-0.5	U			0.5	12/13/2017	15:39	LB92147
CCB2	TKN	0.089	+/-0.5	U			0.5	12/13/2017	15:45	LB92147



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB92147

SDG No.: LB92147

Contract: _____

Lab Code: CHEM

Case No.: LB92147

SAS No.: LB92147

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
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- 3b -
PREPARATION BLANK SUMMARY

Client: LB92147

SDG No.: LB92147

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
PB104991BL	TKN	WATER 0.077	<0.5	Batch Number: U		PB104991 0.5		Prep Date: 12/13/2017	12/13/2017 15:39	LB92147



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MATRIX SPIKE SUMMARY

client: LB92147 level: low sdg no.: LB92147
contract: lab code: CHEM case no.: LB92147 sas no.: LB92147
matrix: WATER sample id: I6878-02 client id: TW-3-DEPMS
Percent Solids for Sample: 0 Spiked ID: I6878-02MS 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	6.6		1.2		5	108		



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- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB92147 level: low sdg no.: LB92147
contract: lab code: CHEM case no.: LB92147 sas no.: LB92147
matrix: WATER sample id: I6878-02 client id: TW-3-DEPMSD
Percent Solids for Sample: 0 Spiked ID: I6878-02MSD 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	6.6		1.2		5	108		



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DUPLICATE SAMPLE SUMMARY

Client: LB92147 Level: LOW SDG No.: LB92147
Contract: _____ Lab Code: CHEM Case No.: LB92147 SAS No.: LB92147
Matrix: WATER Sample ID: I6878-02 Client ID: TW-3-DEPDUP
Percent Solids for Sample: 0 Duplicate ID I6878-02DUP Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
TKN	mg/L	20	1.2		1.1		9		

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DUPLICATE SAMPLE SUMMARY

Client: LB92147 **Level:** LOW **SDG No.:** LB92147
Contract: **Lab Code:** CHEM **Case No.:** LB92147 **SAS No.:** LB92147
Matrix: WATER **Sample ID:** I6878-02MS **Client ID:** TW-3-DEPMSD
Percent Solids for Sample: 0 **Duplicate ID** I6878-02MSD **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
TKN	mg/L	20	6.6		6.6		0		



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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB92147

SDG No.: LB92147

Contract:

Lab Code: CHEM

Case No.: LB92147

SAS No.: LB92147

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB104991BS TKN	mg/L	5	4.7		94	80 - 120	