

Daily Analysis Runlog For Sequence/QC Batch ID # LB93390

Review By		Review On				
SubDirectory		LB93390		Test : TKN		
STD. NAME		STD REF.#				
ICAL Standard		WP62038				
ICV Standard		WP62040				
CCV Standard		WP62039				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP62041				
Chk Standard		WP61582,WP61176,WP61174,WP61175				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.5PPM	0.5PPM	CAL1	02/19/18 16:00		OK
2	1.0PPM	1.0PPM	CAL2	02/19/18 16:00		OK
3	2.5PPM	2.5PPM	CAL3	02/19/18 16:00		OK
4	5.0PPM	5.0PPM	CAL4	02/19/18 16:00		OK
5	6.7PPM	6.7PPM	CAL5	02/19/18 16:00		OK
6	10.0PPM	10.0PPM	CAL6	02/19/18 16:00		OK
7	ICV1	ICV1	ICV	02/19/18 16:27		OK
8	ICB1	ICB1	ICB	02/19/18 16:27		OK
9	CCV1	CCV1	CCV	02/19/18 16:27		OK
10	CCB1	CCB1	CCB	02/19/18 16:27		OK
11	PB106659BL	PB106659BL	MB	02/19/18 16:27		OK
12	PB106659BS	PB106659BS	LCS	02/19/18 16:27		OK
13	J1591-01	MH-27	SAM	02/19/18 16:27		OK
14	J1591-01DUP	MH-27DUP	DUP	02/19/18 16:27		OK
15	J1591-01MS	MH-27MS	MS	02/19/18 16:27		OK
16	J1591-01MSD	MH-27MSD	MSD	02/19/18 16:27		OK
17	J1591-02	MH-28	SAM	02/19/18 16:27		OK
18	CCV2	CCV2	CCV	02/19/18 16:27		OK
19	CCB2	CCB2	CCB	02/19/18 16:30		OK



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Report of Analysis

Client:		Date Collected:	2/16/2018 12:00:00 AM
Project:	LB93390	Date Received:	2/16/2018 12:00:00 AM
Client Sample ID:	MH-27	SDG No.:	LB93390
Lab Sample ID:	J1591-01	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	0.47	J	1	0.096		0.5	mg/L	02/19/2018	02/19/2018	SM4500 N Org



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Report of Analysis

Client:		Date Collected:	2/16/2018 12:00:00 AM
Project:	LB93390	Date Received:	2/16/2018 12:00:00 AM
Client Sample ID:	MH-28	SDG No.:	LB93390
Lab Sample ID:	J1591-02	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	0.38	J	1	0.096		0.5	mg/L	02/19/2018	02/19/2018	SM4500 N Org



Report of Analysis

Client:		Date Collected:	2/16/2018 12:00:00 AM
Project:	LB93390	Date Received:	2/16/2018 12:00:00 AM
Client Sample ID:	MH-28	SDG No.:	LB93390
Lab Sample ID:	J1591-02	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



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB93390

SDG No.: LB93390

Contract: _____

Lab Code: CHEM

Case No.: LB93390

SAS No.: LB93390

Initial Calibration Source: _____

Continuing Calibration Source: _____

Sample ID	Analyte	Result mg/L	True Value	% Recovery	Qual	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV1	TKN	4.6	5	92		80 - 120		02/19/2018	16:27	LB93390



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB93390

SDG No.: LB93390

Contract: _____ Lab Code: CHEM

Case No.: LB93390

SAS No.: LB93390

Initial Calibration Source: _____

Continuing Calibration Source: _____

Sample ID	Analyte	Result mg/L	True Value	% Recovery	Qual	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV1	TKN	4.7	5	94		80 - 120		02/19/2018	16:27	LB93390
CCV2	TKN	4.8	5	96		80 - 120		02/19/2018	16:27	LB93390



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB93390 SDG No.: LB93390
Contract: Lab Code: CHEM Case No.: LB93390 SAS No.: LB93390

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	TKN	0.16	+/-0.5	J			0.5	02/19/2018	16:27	LB93390



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB93390

SDG No.: LB93390

Contract:

Lab Code: CHEM

Case No.: LB93390

SAS No.: LB93390

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	TKN	0.15	+/-0.5	J			0.5	02/19/2018	16:27	LB93390
CCB2	TKN	0.19	+/-0.5	J			0.5	02/19/2018	16:30	LB93390



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB93390

SDG No.: LB93390

Contract: Lab Code: CHEM

Case No.: LB93390

SAS No.: LB93390

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: LB93390

SDG No.: LB93390

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
PB106659BL	TKN	WATER 0.15	<0.5	Batch Number: J		PB106659 0.5		Prep Date: 02/19/2018	02/19/2018 16:27	LB93390



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- 5a -
MATRIX SPIKE SUMMARY

client: LB93390 level: low sdg no.: LB93390
contract: lab code: CHEM case no.: LB93390 sas no.: LB93390
matrix: WATER sample id: J1591-01 client id: MH-27MS
Percent Solids for Sample: 0 Spiked ID: J1591-01MS 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		0.47	J	5	111		



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- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB93390 level: low sdg no.: LB93390
contract: lab code: CHEM case no.: LB93390 sas no.: LB93390
matrix: WATER sample id: J1591-01 client id: MH-27MSD
Percent Solids for Sample: 0 Spiked ID: J1591-01MSD 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	6.1		0.47	J	5	113		

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- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB93390 **Level:** LOW **SDG No.:** LB93390
Contract: **Lab Code:** CHEM **Case No.:** LB93390 **SAS No.:** LB93390
Matrix: WATER **Sample ID:** J1591-01 **Client ID:** MH-27DUP
Percent Solids for Sample: 0 **Duplicate ID** J1591-01DUP **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
TKN	mg/L	20	0.47	J	0.48	J	2		



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- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB93390 Level: LOW SDG No.: LB93390
Contract: _____ Lab Code: CHEM Case No.: LB93390 SAS No.: LB93390
Matrix: WATER Sample ID: J1591-01MS Client ID: MH-27MSD
Percent Solids for Sample: 0 Duplicate ID J1591-01MSD Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
TKN	mg/L	20	6		6.1		2		

