

Daily Analysis Runlog For Sequence/QC Batch ID # LB92651

Review By		Review On				
SubDirectory		LB92651		Test : TKN		
STD. NAME		STD REF.#				
ICAL Standard		WP61005				
ICV Standard		WP61007				
CCV Standard		WP61006				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP61008				
Chk Standard		WP57031,WP60781,WP60619,WP60620				
Sr#	SampleId	ClientID	QcType	Date	Comment	Status
1	0.5PPM	0.5PPM	CAL1	01/17/18 10:19		OK
2	1.0PPM	1.0PPM	CAL2	01/17/18 10:19		OK
3	2.5PPM	2.5PPM	CAL3	01/17/18 10:19		OK
4	5.0PPM	5.0PPM	CAL4	01/17/18 10:19		OK
5	6.7PPM	6.7PPM	CAL5	01/17/18 10:19		OK
6	10.0PPM	10.0PPM	CAL6	01/17/18 10:19		OK
7	ICV1	ICV1	ICV	01/17/18 10:49		OK
8	ICB1	ICB1	ICB	01/17/18 10:49		OK
9	CCV1	CCV1	CCV	01/17/18 10:50		OK
10	CCB1	CCB1	CCB	01/17/18 10:50		OK
11	PB105692BL	PB105692BL	MB	01/17/18 10:50		OK
12	PB105692BS	PB105692BS	LCS	01/17/18 10:50		OK
13	J1112-03	ENV-106-1(MW)	SAM	01/17/18 10:50		OK
14	J1112-03DUP	ENV-106-1(MW)DUP	DUP	01/17/18 10:50		OK
15	J1112-03MS	ENV-106-1(MW)MS	MS	01/17/18 10:57		OK
16	J1112-03MSD	ENV-106-1(MW)MSD	MSD	01/17/18 10:57		OK
17	J1112-04	ENV-116-6(MW)	SAM	01/17/18 10:57		OK
18	J1112-05	ENV-125-11(MW)	SAM	01/17/18 10:57		OK
19	J1112-08	ENV-106-1(MW)-DUP	SAM	01/17/18 10:57		OK
20	CCV2	CCV2	CCV	01/17/18 10:57		OK
21	CCB2	CCB2	CCB	01/17/18 10:57		OK



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Report of Analysis

Client:		Date Collected:	1/10/2018 12:00:00 AM
Project:	LB92651	Date Received:	1/11/2018 12:00:00 AM
Client Sample ID:	ENV-106-1(MW)	SDG No.:	LB92651
Lab Sample ID:	J1112-03	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	0.28	J	1	0.096		0.5	mg/L	01/16/2018	01/17/2018	SM4500 N Org



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Report of Analysis

Client:		Date Collected:	1/11/2018 12:00:00 AM
Project:	LB92651	Date Received:	1/11/2018 12:00:00 AM
Client Sample ID:	ENV-116-6(MW)	SDG No.:	LB92651
Lab Sample ID:	J1112-04	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	0.13	J	1	0.096		0.5	mg/L	01/16/2018	01/17/2018	SM4500 N Org



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Report of Analysis

Client:		Date Collected:	1/11/2018 12:00:00 AM
Project:	LB92651	Date Received:	1/11/2018 12:00:00 AM
Client Sample ID:	ENV-125-11(MW)	SDG No.:	LB92651
Lab Sample ID:	J1112-05	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	1.1		1	0.096		0.5	mg/L	01/16/2018	01/17/2018	SM4500 N Org



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Report of Analysis

Client:		Date Collected:	1/10/2018 12:00:00 AM
Project:	LB92651	Date Received:	1/11/2018 12:00:00 AM
Client Sample ID:	ENV-106-1(MW)-DUP	SDG No.:	LB92651
Lab Sample ID:	J1112-08	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	0.34	J	1	0.096		0.5	mg/L	01/16/2018	01/17/2018	SM4500 N Org



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Report of Analysis

Client:		Date Collected:	1/10/2018 12:00:00 AM
Project:	LB92651	Date Received:	1/11/2018 12:00:00 AM
Client Sample ID:	ENV-106-1(MW)-DUP	SDG No.:	LB92651
Lab Sample ID:	J1112-08	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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- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB92651

SDG No.: LB92651

Contract: _____

Lab Code: CHEM

Case No.: LB92651

SAS No.: LB92651

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
ICV1	TKN	5	5	100	0	80 - 120		01/17/2018	10:49	LB92651



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB92651

SDG No.: LB92651

Contract:

Lab Code: CHEM

Case No.: LB92651

SAS No.: LB92651

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	TKN	0.11	+/-0.5	J			0.5	01/17/2018	10:49	LB92651

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	TKN	0.11	+/-0.5	J		0.5		01/17/2018	10:50	LB92651
CCB2	TKN	0.12	+/-0.5	J		0.5		01/17/2018	10:57	LB92651



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB92651

SDG No.: LB92651

Contract: Lab Code: CHEM

Case No.: LB92651

SAS No.: LB92651

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: LB92651

SDG No.: LB92651

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
PB105692BL	TKN	WATER 0.11	<0.5	Batch Number: J		PB105692 0.5		Prep Date: 01/17/2018	01/16/2018 10:50	LB92651



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- 5a -
MATRIX SPIKE SUMMARY

client: LB92651 level: low sdg no.: LB92651
contract: lab code: CHEM case no.: LB92651 sas no.: LB92651
matrix: WATER sample id: J1112-03 client id: ENV-106-1(MW)MS
Percent Solids for Sample: 0 Spiked ID: J1112-03MS 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	5.4		0.28	J	5	102		



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- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB92651 level: low sdg no.: LB92651
contract: lab code: CHEM case no.: LB92651 sas no.: LB92651
matrix: WATER sample id: J1112-03 client id: ENV-106-1(MW)MSD
Percent Solids for Sample: 0 Spiked ID: J1112-03MSD 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	5.2		0.28	J	5	98		

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DUPLICATE SAMPLE SUMMARY

Client: LB92651 **Level:** LOW **SDG No.:** LB92651
Contract: **Lab Code:** CHEM **Case No.:** LB92651 **SAS No.:** LB92651
Matrix: WATER **Sample ID:** J1112-03 **Client ID:** ENV-106-1(MW)DUP
Percent Solids for Sample: 0 **Duplicate ID** J1112-03DUP **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
TKN	mg/L	20	0.28	J	0.28	J	0		



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DUPLICATE SAMPLE SUMMARY

Client: LB92651 **Level:** LOW **SDG No.:** LB92651
Contract: **Lab Code:** CHEM **Case No.:** LB92651 **SAS No.:** LB92651
Matrix: WATER **Sample ID:** J1112-03MS **Client ID:** ENV-106-1(MW)MSD
Percent Solids for Sample: 0 **Duplicate ID** J1112-03MSD **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
TKN	mg/L	20	5.4		5.2		4		



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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB92651

SDG No.: LB92651

Contract:

Lab Code: CHEM

Case No.: LB92651

SAS No.: LB92651

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB105692BS TKN	mg/L	5	4.9		98	80 - 120	