

Daily Analysis Runlog For Sequence/QC Batch ID # LB89307

Review By		Review On				
SubDirectory		LB89307		Test : TKN		

STD. NAME	STD REF.#
ICAL Standard	WP56979
ICV Standard	WP56981
CCV Standard	WP56980
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP56982
Chk Standard	WP54309,WP56632,WP56633,WP56634

Sr#	SampleId	ClientID	QcType	Date	Comment	Status
1	0.5PPM	0.5PPM	CAL1	08/07/17 10:21		OK
2	1.0PPM	1.0PPM	CAL2	08/07/17 10:21		OK
3	2.5PPM	2.5PPM	CAL3	08/07/17 10:21		OK
4	5.0PPM	5.0PPM	CAL4	08/07/17 10:21		OK
5	6.7PPM	6.7PPM	CAL5	08/07/17 10:21		OK
6	10.0PPM	10.0PPM	CAL6	08/07/17 10:21		OK
7	ICV1	ICV1	ICV	08/07/17 10:52		OK
8	ICB1	ICB1	ICB	08/07/17 10:52		OK
9	CCV1	CCV1	CCV	08/07/17 10:52		OK
10	CCB1	CCB1	CCB	08/07/17 10:52		OK
11	PB101239BL	PB101239BL	MB	08/07/17 10:52		OK
12	PB101239BS	PB101239BS	LCS	08/07/17 10:52		OK
13	I4589-01	2AVE-05	SAM	08/07/17 10:52		OK
14	I4589-01DUP	2AVE-05DUP	DUP	08/07/17 10:52		OK
15	I4589-01MS	2AVE-05MS	MS	08/07/17 10:52		OK
16	I4589-01MSD	2AVE-05MSD	MSD	08/07/17 10:52		OK
17	CCV2	CCV2	CCV	08/07/17 10:52		OK
18	CCB2	CCB2	CCB	08/07/17 10:52		OK



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:		Date Collected:	8/2/2017 12:00:00 AM
Project:	LB89307	Date Received:	8/2/2017 12:00:00 AM
Client Sample ID:	2AVE-05	SDG No.:	LB89307
Lab Sample ID:	I4589-01	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	0.79		1	0.096		0.5	mg/L	08/04/2017	08/07/2017	SM4500 N Org



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Client Sample ID:	2AVE-05	SDG No.:	LB89307
Lab Sample ID:	I4589-01	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



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB89307

SDG No.: LB89307

Contract: _____

Lab Code: CHEM

Case No.: LB89307

SAS No.: LB89307

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	5.1	5	102	0	80 - 120		08/07/2017	10:52	LB89307



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB89307

SDG No.: LB89307

Contract: _____ Lab Code: CHEM

Case No.: LB89307

SAS No.: LB89307

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	5	5	100	0	80 - 120		08/07/2017	10:52	LB89307
CCV2	TKN	5	5	100	0	80 - 120		08/07/2017	10:52	LB89307



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB89307

SDG No.: LB89307

Contract:

Lab Code: CHEM

Case No.: LB89307

SAS No.: LB89307

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	TKN	0.052	+/-0.5	U		0.5		08/07/2017	10:52	LB89307



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB89307

SDG No.: LB89307

Contract:

Lab Code: CHEM

Case No.: LB89307

SAS No.: LB89307

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	TKN	0.043	+/-0.5	U			0.5	08/07/2017	10:52	LB89307
CCB2	TKN	0.046	+/-0.5	U			0.5	08/07/2017	10:52	LB89307



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB89307

SDG No.: LB89307

Contract: Lab Code: CHEM

Case No.: LB89307

SAS No.: LB89307

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: LB89307

SDG No.: LB89307

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
PB101239BL	TKN	WATER 0.048	<0.5	Batch Number: U		PB101239 0.5		Prep Date: 08/07/2017	08/04/2017 10:52	LB89307



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- 5a -
MATRIX SPIKE SUMMARY

client: LB89307 level: low sdg no.: LB89307
contract: lab code: CHEM case no.: LB89307 sas no.: LB89307
matrix: WATER sample id: I4589-01 client id: 2AVE-05MS
Percent Solids for Sample: 0 Spiked ID: I4589-01MS 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	5.8		0.79		5	100		



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- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB89307 level: low sdg no.: LB89307
contract: lab code: CHEM case no.: LB89307 sas no.: LB89307
matrix: WATER sample id: I4589-01 client id: 2AVE-05MSD
Percent Solids for Sample: 0 Spiked ID: I4589-01MSD 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	5.6		0.79		5	96		

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DUPLICATE SAMPLE SUMMARY

Client: LB89307 **Level:** LOW **SDG No.:** LB89307
Contract: **Lab Code:** CHEM **Case No.:** LB89307 **SAS No.:** LB89307
Matrix: WATER **Sample ID:** I4589-01 **Client ID:** 2AVE-05DUP
Percent Solids for Sample: 0 **Duplicate ID** I4589-01DUP **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
TKN	mg/L	20	0.79		0.8		1		

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DUPLICATE SAMPLE SUMMARY

Client: LB89307 **Level:** LOW **SDG No.:** LB89307
Contract: **Lab Code:** CHEM **Case No.:** LB89307 **SAS No.:** LB89307
Matrix: WATER **Sample ID:** I4589-01MS **Client ID:** 2AVE-05MSD
Percent Solids for Sample: 0 **Duplicate ID** I4589-01MSD **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
TKN	mg/L	20	5.8		5.6		4		



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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB89307

SDG No.: LB89307

Contract:

Lab Code: CHEM

Case No.: LB89307

SAS No.: LB89307

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB101239BS TKN	mg/L	5	5.1		102	80 - 120	