

Daily Analysis Runlog For Sequence/QC Batch ID # LB88656

Review By		Review On				
SubDirectory		LB88656		Test : TKN		
STD. NAME		STD REF.#				
ICAL Standard		wp56256				
ICV Standard		wp56258				
CCV Standard		wp56257				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		wp56259				
Chk Standard		WP55755,WP55837,WP55838,WP54309				
Sr#	SampleId	ClientID	QcType	Date	Comment	Status
1	0.5PPM	0.5PPM	CAL1	07/12/17 09:12		OK
2	1.0PPM	1.0PPM	CAL2	07/12/17 09:12		OK
3	2.5PPM	2.5PPM	CAL3	07/12/17 09:12		OK
4	5.0PPM	5.0PPM	CAL4	07/12/17 09:12		OK
5	6.7PPM	6.7PPM	CAL5	07/12/17 09:12		OK
6	10.0PPM	10.0PPM	CAL6	07/12/17 09:12		OK
7	ICV1	ICV1	ICV	07/12/17 09:42		OK
8	ICB1	ICB1	ICB	07/12/17 09:42		OK
9	CCV1	CCV1	CCV	07/12/17 09:42		OK
10	CCB1	CCB1	CCB	07/12/17 09:42		OK
11	PB100557BL	PB100557BL	MB	07/12/17 09:42		OK
12	PB100557BS	PB100557BS	LCS	07/12/17 09:42		OK
13	I4115-01	DSN001	SAM	07/12/17 09:42		OK
14	I4115-01DUP	DSN001DUP	DUP	07/12/17 09:42		OK
15	I4115-01MS	DSN001MS	MS	07/12/17 09:42		OK
16	I4115-01MSD	DSN001MSD	MSD	07/12/17 09:42		OK
17	CCV2	CCV2	CCV	07/12/17 09:42		OK
18	CCB2	CCB2	CCB	07/12/17 09:42		OK



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

Report of Analysis

Client:		Date Collected:	7/7/2017 12:00:00 AM
Project:	LB88656	Date Received:	7/7/2017 12:00:00 AM
Client Sample ID:	DSN001	SDG No.:	LB88656
Lab Sample ID:	I4115-01	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	0.85		1	0.096		0.5	mg/L	07/11/2017	07/12/2017	SM4500 N Org



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

Report of Analysis

Client:		Date Collected:	7/7/2017 12:00:00 AM
Project:	LB88656	Date Received:	7/7/2017 12:00:00 AM
Client Sample ID:	DSN001	SDG No.:	LB88656
Lab Sample ID:	I4115-01	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
-----	-----------	-------	------	----	-----	-----	------------	-------	-----------	-----------	----------

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

Sample ID	Analyte	Result	True Value	% Recovery	% RSD	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
		mg/L								
ICV1	TKN	4.6	5	92	0	80 - 120		07/12/2017	09:42	LB88656



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB88656

SDG No.: LB88656

Contract: _____ Lab Code: CHEM

Case No.: LB88656

SAS No.: LB88656

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	5.1	5	102	0	80 - 120		07/12/2017	09:42	LB88656
CCV2	TKN	5.1	5	102	0	80 - 120		07/12/2017	09:42	LB88656



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB88656

SDG No.: LB88656

Contract:

Lab Code: CHEM

Case No.: LB88656

SAS No.: LB88656

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	TKN	0.069	+/-0.5	U			0.5	07/12/2017	09:42	LB88656



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB88656

SDG No.: LB88656

Contract:

Lab Code: CHEM

Case No.: LB88656

SAS No.: LB88656

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	TKN	0.066	+/-0.5	U			0.5	07/12/2017	09:42	LB88656
CCB2	TKN	0.071	+/-0.5	U			0.5	07/12/2017	09:42	LB88656



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB88656

SDG No.: LB88656

Contract: Lab Code: CHEM

Case No.: LB88656

SAS No.: LB88656

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



GENCHEM
- 3b -
PREPARATION BLANK SUMMARY

Client: LB88656

SDG No.: LB88656

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
PB100557BL		WATER		Batch Number:		PB100557		Prep Date:	07/11/2017	
	TKN	0.067	<0.5	U		0.5		07/12/2017	09:42	LB88656



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB88656 level: low sdg no.: LB88656
contract: lab code: CHEM case no.: LB88656 sas no.: LB88656
matrix: WATER sample id: I4115-01 client id: DSN001MS
Percent Solids for Sample: 0 Spiked ID: I4115-01MS 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	5.6		0.85		5	95		



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB88656 level: low sdg no.: LB88656
contract: lab code: CHEM case no.: LB88656 sas no.: LB88656
matrix: WATER sample id: I4115-01 client id: DSN001MSD
Percent Solids for Sample: 0 Spiked ID: I4115-01MSD 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		0.85		5	95		

GENCHEM

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB88656 **Level:** LOW **SDG No.:** LB88656
Contract: **Lab Code:** CHEM **Case No.:** LB88656 **SAS No.:** LB88656
Matrix: WATER **Sample ID:** I4115-01 **Client ID:** DSN001DUP
Percent Solids for Sample: 0 **Duplicate ID** I4115-01DUP **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
TKN	mg/L	20	0.85		0.85		0		



GENCHEM

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB88656 Level: LOW SDG No.: LB88656
Contract: _____ Lab Code: CHEM Case No.: LB88656 SAS No.: LB88656
Matrix: WATER Sample ID: I4115-01MS Client ID: DSN001MSD
Percent Solids for Sample: 0 Duplicate ID I4115-01MSD Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
TKN	mg/L	20	5.6		5.6		0		

“A control limit of $\pm 20\%$ RPD for each matrix applies for sample values greater than 10 times Detection Limit”



GENCHEM

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: LB88656

SDG No.: LB88656

Contract:

Lab Code: CHEM

Case No.: LB88656

SAS No.: LB88656

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB100557BS TKN	mg/L	5	4.6		92	80 - 120	