

Daily Analysis Runlog For Sequence/QC Batch ID # LB94502

Review By		Review On				
SubDirectory		LB94502		Test : TKN		
STD. NAME		STD REF.#				
ICAL Standard		WP63498				
ICV Standard		WP63500				
CCV Standard		WP63499				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP63501				
Chk Standard		WP61582,WP62824,WP62827,WP62828				
Sr#	SampleId	ClientID	QcType	Date	Comment	Status
1	0.5PPM	0.5PPM	CAL1	04/10/18 08:37		OK
2	1.0PPM	1.0PPM	CAL2	04/10/18 08:37		OK
3	2.5PPM	2.5PPM	CAL3	04/10/18 08:37		OK
4	5.0PPM	5.0PPM	CAL4	04/10/18 08:37		OK
5	6.7PPM	6.7PPM	CAL5	04/10/18 08:37		OK
6	10.0PPM	10.0PPM	CAL6	04/10/18 08:37		OK
7	ICV1	ICV1	ICV	04/10/18 10:25		OK
8	ICB1	ICB1	ICB	04/10/18 10:25		OK
9	CCV1	CCV1	CCV	04/10/18 10:25		OK
10	CCB1	CCB1	CCB	04/10/18 10:25		OK
11	PB108106BL	PB108106BL	MB	04/10/18 10:25		OK
12	PB108106BS	PB108106BS	LCS	04/10/18 10:25		OK
13	J2268-01	MH-92A	SAM	04/10/18 10:25	High	Dilution
14	J2268-01DUP	MH-92ADUP	DUP	04/10/18 10:25	High	Dilution
15	J2268-01MS	MH-92AMS	MS	04/10/18 10:25	High	Dilution
16	J2268-01MSD	MH-92AMSD	MSD	04/10/18 10:25	High	Dilution
17	J2268-02	MH-33	SAM	04/10/18 10:25		OK
18	J2284-01	COMP	SAM	04/10/18 10:25		OK
19	CCV2	CCV2	CCV	04/10/18 10:34		OK
20	CCB2	CCB2	CCB	04/10/18 10:34		OK
21	J2268-01DL	MH-92ADL	SAM	04/10/18 10:34	Report 2X	Confirms

Daily Analysis Runlog For Sequence/QC Batch ID # LB94502

Review By			Review On			
SubDirectory		LB94502		Test : TKN		
STD. NAME		STD REF.#				
ICAL Standard		WP63498				
ICV Standard		WP63500				
CCV Standard		WP63499				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP63501				
Chk Standard		WP61582,WP62824,WP62827,WP62828				
22	J2268-01DUPDL	MH-92ADUPDL	DUP	04/10/18 10:34	Report 2X	Confirms
23	J2268-01MSDL	MH-92AMSDL	MS	04/10/18 10:34	Report 2X	Confirms
24	J2268-01MSDDL	MH-92AMSDDL	MSD	04/10/18 10:34	Report 2X	Confirms
25	CCV3	CCV3	CCV	04/10/18 10:34		OK
26	CCB3	CCB3	CCB	04/10/18 10:35		OK



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

Report of Analysis

Client:		Date Collected:	4/6/2018 12:00:00 AM
Project:	LB94502	Date Received:	4/6/2018 12:00:00 AM
Client Sample ID:	MH-92A	SDG No.:	LB94502
Lab Sample ID:	J2268-01	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	15.2	OR	1	0.096		0.5	mg/L	04/09/2018	04/10/2018	SM4500 N Org



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

Report of Analysis

Client:		Date Collected:	4/6/2018 12:00:00 AM
Project:	LB94502	Date Received:	4/6/2018 12:00:00 AM
Client Sample ID:	MH-92ADL	SDG No.:	LB94502
Lab Sample ID:	J2268-01DL	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	16.1	D	2	0.19		1	mg/L	04/09/2018	04/10/2018	SM4500 N Org



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

Report of Analysis

Client:		Date Collected:	4/6/2018 12:00:00 AM
Project:	LB94502	Date Received:	4/6/2018 12:00:00 AM
Client Sample ID:	MH-33	SDG No.:	LB94502
Lab Sample ID:	J2268-02	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	2.6		1	0.096		0.5	mg/L	04/09/2018	04/10/2018	SM4500 N Org



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

Report of Analysis

Client:		Date Collected:	4/6/2018 12:00:00 AM
Project:	LB94502	Date Received:	4/6/2018 12:00:00 AM
Client Sample ID:	COMP	SDG No.:	LB94502
Lab Sample ID:	J2284-01	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	1.8		1	0.096		0.5	mg/L	04/09/2018	04/10/2018	SM4500 N Org



Report of Analysis

Client:		Date Collected:	4/6/2018 12:00:00 AM
Project:	LB94502	Date Received:	4/6/2018 12:00:00 AM
Client Sample ID:	COMP	SDG No.:	LB94502
Lab Sample ID:	J2284-01	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



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB94502

SDG No.: LB94502

Contract: _____ Lab Code: CHEM

Case No.: LB94502

SAS No.: LB94502

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	5.2	5	104		80 - 120		04/10/2018	10:25	LB94502
CCV2	TKN	5.2	5	104		80 - 120		04/10/2018	10:34	LB94502
CCV3	TKN	5.2	5	104		80 - 120		04/10/2018	10:34	LB94502



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB94502 **SDG No.:** LB94502
Contract: **Lab Code:** CHEM **Case No.:** LB94502 **SAS No.:** LB94502

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	TKN	0.38	+/-0.5	J		0.5		04/10/2018	10:25	LB94502



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB94502

SDG No.: LB94502

Contract:

Lab Code: CHEM

Case No.: LB94502

SAS No.: LB94502

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	TKN	0.28	+/-0.5	J		0.5		04/10/2018	10:25	LB94502
CCB2	TKN	0.19	+/-0.5	J		0.5		04/10/2018	10:34	LB94502
CCB3	TKN	0.29	+/-0.5	J		0.5		04/10/2018	10:35	LB94502



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB94502

SDG No.: LB94502

Contract: Lab Code: CHEM

Case No.: LB94502

SAS No.: LB94502

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: LB94502

SDG No.: LB94502

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
PB108106BL	TKN	WATER 0.33	<0.5	Batch Number: J		PB108106 0.5		Prep Date: 04/10/2018	04/09/2018 10:25	LB94502



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB94502 level: low sdg no.: LB94502
contract: lab code: CHEM case no.: LB94502 sas no.: LB94502
matrix: WATER sample id: J2268-01 client id: MH-92AMS
Percent Solids for Sample: 0 Spiked ID: J2268-01MS 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	15.4	OR	15.2	OR	5	4	*	



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB94502 level: low sdg no.: LB94502
contract: lab code: CHEM case no.: LB94502 sas no.: LB94502
matrix: WATER sample id: J2268-01 client id: MH-92AMSD
Percent Solids for Sample: 0 Spiked ID: J2268-01MSD 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	15.9	OR	15.2	OR	5	14	*	



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB94502 level: low sdg no.: LB94502
contract: lab code: CHEM case no.: LB94502 sas no.: LB94502
matrix: WATER sample id: J2268-01DL client id: MH-92AMSDDL
Percent Solids for Sample: 0 Spiked ID: J2268-01MSDDL 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	16.7	D	16.1	D	5	12	*	



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB94502 level: low sdg no.: LB94502
contract: lab code: CHEM case no.: LB94502 sas no.: LB94502
matrix: WATER sample id: J2268-01DL client id: MH-92AMSDL
Percent Solids for Sample: 0 Spiked ID: J2268-01MSDL 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	16.8	D	16.1	D	5	14	*	

GENCHEM

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB94502 **Level:** LOW **SDG No.:** LB94502
Contract: **Lab Code:** CHEM **Case No.:** LB94502 **SAS No.:** LB94502
Matrix: WATER **Sample ID:** J2268-01 **Client ID:** MH-92ADUP
Percent Solids for Sample: 0 **Duplicate ID** J2268-01DUP **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
TKN	mg/L	20	15.2	OR	15.1	OR	1		

GENCHEM

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB94502 **Level:** LOW **SDG No.:** LB94502
Contract: **Lab Code:** CHEM **Case No.:** LB94502 **SAS No.:** LB94502
Matrix: WATER **Sample ID:** J2268-01DL **Client ID:** MH-92ADUPDL
Percent Solids for Sample: 0 **Duplicate ID** J2268-01DUPDL **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
TKN	mg/L	20	16.1	D	16.6	D	3		

GENCHEM

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB94502 **Level:** LOW **SDG No.:** LB94502
Contract: **Lab Code:** CHEM **Case No.:** LB94502 **SAS No.:** LB94502
Matrix: WATER **Sample ID:** J2268-01MS **Client ID:** MH-92AMSD
Percent Solids for Sample: 0 **Duplicate ID** J2268-01MSD **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
TKN	mg/L	20	15.4	OR	15.9	OR	3		

GENCHEM

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB94502 **Level:** LOW **SDG No.:** LB94502
Contract: **Lab Code:** CHEM **Case No.:** LB94502 **SAS No.:** LB94502
Matrix: WATER **Sample ID:** J2268-01MSDL **Client ID:** MH-92AMSDDL
Percent Solids for Sample: 0 **Duplicate ID** J2268-01MSDDL **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
TKN	mg/L	20	16.8	D	16.7	D	1		



GENCHEM

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: LB94502

SDG No.: LB94502

Contract:

Lab Code: CHEM

Case No.: LB94502

SAS No.: LB94502

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB108106BS TKN	mg/L	5	5.3		106	80 - 120	