

Daily Analysis Runlog For Sequence/QC Batch ID # LB92559

Review By		Review On				
SubDirectory		LB92559		Test : TKN		
STD. NAME		STD REF.#				
ICAL Standard		WP60833				
ICV Standard		WP60835				
CCV Standard		WP60834				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP60836				
Chk Standard		WP57031,WP60781,WP60619,WP60620				
Sr#	SampleId	ClientID	QcType	Date	Comment	Status
1	0.5PPM	0.5PPM	CAL1	01/11/18 08:50		OK
2	1.0PPM	1.0PPM	CAL2	01/11/18 08:50		OK
3	2.5PPM	2.5PPM	CAL3	01/11/18 08:50		OK
4	5.0PPM	5.0PPM	CAL4	01/11/18 08:50		OK
5	6.7PPM	6.7PPM	CAL5	01/11/18 08:50		OK
6	10.0PPM	10.0PPM	CAL6	01/11/18 08:50		OK
7	ICV1	ICV1	ICV	01/11/18 09:57		OK
8	ICB1	ICB1	ICB	01/11/18 09:57		OK
9	CCV1	CCV1	CCV	01/11/18 09:57		OK
10	CCB1	CCB1	CCB	01/11/18 09:57		OK
11	PB105534BL	PB105534BL	MB	01/11/18 09:57		OK
12	PB105534BS	PB105534BS	LCS	01/11/18 09:57		OK
13	J1054-01	RAW-INFLUENT	SAM	01/11/18 09:57		OK
14	J1054-01DUP	RAW-INFLUENTDUP	DUP	01/11/18 09:57		OK
15	J1054-01MS	RAW-INFLUENTMS	MS	01/11/18 09:57		OK
16	J1054-01MSD	RAW-INFLUENTMSD	MSD	01/11/18 09:57		OK
17	J1054-03	FINAL-EFFLUENT-1	SAM	01/11/18 09:57	High	Dilution
18	CCV2	CCV2	CCV	01/11/18 09:57		OK
19	CCB2	CCB2	CCB	01/11/18 10:02		OK
20	J1054-03DL	FINAL-EFFLUENT-1	SAM	01/11/18 10:25	Report 5X	Confirms
21	CCV3	CCV3	CCV	01/11/18 10:25		OK



Instrument ID : KONELAB

284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

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SubDirectory		LB92559		Test :		TKN
STD. NAME		STD REF.#				
ICAL Standard		WP60833				
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CRI Standard		N/A				
LCS Standard		WP60836				
Chk Standard		WP57031,WP60781,WP60619,WP60620				
22	CCB3	CCB3	CCB	01/11/18 10:25		OK



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Report of Analysis

Client:		Date Collected:	1/8/2018 12:00:00 AM
Project:	LB92559	Date Received:	1/8/2018 12:00:00 AM
Client Sample ID:	RAW-INFLUENT	SDG No.:	LB92559
Lab Sample ID:	J1054-01	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	1.2		1	0.096		0.5	mg/L	01/09/2018	01/11/2018	SM4500 N Org



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Report of Analysis

Client:		Date Collected:	1/8/2018 12:00:00 AM
Project:	LB92559	Date Received:	1/8/2018 12:00:00 AM
Client Sample ID:	FINAL-EFFLUENT-19C	SDG No.:	LB92559
Lab Sample ID:	J1054-03	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	27.9	OR	1	0.096		0.5	mg/L	01/09/2018	01/11/2018	SM4500 N Org



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Report of Analysis

Client:		Date Collected:	1/8/2018 12:00:00 AM
Project:	LB92559	Date Received:	1/8/2018 12:00:00 AM
Client Sample ID:	FINAL-EFFLUENT-19CDL	SDG No.:	LB92559
Lab Sample ID:	J1054-03DL	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	27.8	D	5	0.48		2.5	mg/L	01/09/2018	01/11/2018	SM4500 N Org



Report of Analysis

Client:		Date Collected:	1/8/2018 12:00:00 AM
Project:	LB92559	Date Received:	1/8/2018 12:00:00 AM
Client Sample ID:	FINAL-EFFLUENT-19CDL	SDG No.:	LB92559
Lab Sample ID:	J1054-03DL	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: LB92559

SDG No.: LB92559

Contract: _____

Lab Code: CHEM

Case No.: LB92559

SAS No.: LB92559

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	5.2	5	104	0	80 - 120		01/11/2018	09:57	LB92559



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB92559

SDG No.: LB92559

Contract: **Lab Code:** CHEM

Case No.: LB92559

SAS No.: LB92559

Initial Calibration Source:

Continuing Calibration Source: _____

Sample ID	Analyte	Result	True Value	% Recovery	% RSD	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
		mg/L								
CCV1	TKN	5	5	100	0	80 - 120		01/11/2018	09:57	LB92559
CCV2	TKN	5	5	100	0	80 - 120		01/11/2018	09:57	LB92559
CCV3	TKN	5.1	5	102	0	80 - 120		01/11/2018	10:25	LB92559



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB92559

SDG No.: LB92559

Contract:

Lab Code: CHEM

Case No.: LB92559

SAS No.: LB92559

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	TKN	0.091	+/-0.5	U		0.5		01/11/2018	09:57	LB92559



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB92559

SDG No.: LB92559

Contract:

Lab Code: CHEM

Case No.: LB92559

SAS No.: LB92559

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	TKN	0.084	+/-0.5	U			0.5	01/11/2018	09:57	LB92559
CCB2	TKN	0.087	+/-0.5	U			0.5	01/11/2018	10:02	LB92559
CCB3	TKN	0.083	+/-0.5	U			0.5	01/11/2018	10:25	LB92559



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client:

LB92559

SDG No.:

LB92559

Contract:

Lab Code:

CHEM

Case No.:

LB92559

SAS No.:

LB92559

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
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GENCHEM
- 3b -
PREPARATION BLANK SUMMARY

Client: LB92559

SDG No.: LB92559

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
PB105534BL	TKN	WATER 0.091	<0.5	Batch Number: U		PB105534 0.5		Prep Date: 01/11/2018	01/09/2018 09:57	LB92559



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB92559 level: low sdg no.: LB92559
contract: lab code: CHEM case no.: LB92559 sas no.: LB92559
matrix: WATER sample id: J1054-01 client id: RAW-INFLUENTMS
Percent Solids for Sample: 0 Spiked ID: J1054-01MS 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	6.9		1.2		5	114		



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB92559 level: low sdg no.: LB92559
contract: lab code: CHEM case no.: LB92559 sas no.: LB92559
matrix: WATER sample id: J1054-01 client id: RAW-INFLUENTMSD
Percent Solids for Sample: 0 Spiked ID: J1054-01MSD 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	6.9		1.2		5	114		

GENCHEM

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB92559 **Level:** LOW **SDG No.:** LB92559
Contract: **Lab Code:** CHEM **Case No.:** LB92559 **SAS No.:** LB92559
Matrix: WATER **Sample ID:** J1054-01 **Client ID:** RAW-INFLUENTDUP
Percent Solids for Sample: 0 **Duplicate ID** J1054-01DUP **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
TKN	mg/L	20	1.2		1.1		9		



GENCHEM

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB92559 Level: LOW SDG No.: LB92559
Contract: _____ Lab Code: CHEM Case No.: LB92559 SAS No.: LB92559
Matrix: WATER Sample ID: J1054-01MS Client ID: RAW-INFLUENTMSD
Percent Solids for Sample: 0 Duplicate ID J1054-01MSD Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
TKN	mg/L	20	6.9		6.9		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: LB92559

SDG No.: LB92559

Contract:

Lab Code: CHEM

Case No.: LB92559

SAS No.: LB92559

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB105534BS TKN	mg/L	5	5.2		104	80 - 120	