

Daily Analysis Runlog For Sequence/QC Batch ID # LB89716

Review By		Review On				
SubDirectory		LB89716		Test : TKN		
STD. NAME		STD REF.#				
ICAL Standard		WP57434				
ICV Standard		WP57436				
CCV Standard		WP57435				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP57437				
Chk Standard		WP57031,WP57459,WP57237,WP57238				
Sr#	SampleId	ClientID	QcType	Date	Comment	Status
1	0.5PPM	0.5PPM	CAL1	08/25/17 11:58		OK
2	1.0PPM	1.0PPM	CAL2	08/25/17 11:58		OK
3	2.5PPM	2.5PPM	CAL3	08/25/17 11:58		OK
4	5.0PPM	5.0PPM	CAL4	08/25/17 11:58		OK
5	6.7PPM	6.7PPM	CAL5	08/25/17 11:58		OK
6	10.0PPM	10.0PPM	CAL6	08/25/17 11:58		OK
7	ICV1	ICV1	ICV	08/25/17 12:32		OK
8	ICB1	ICB1	ICB	08/25/17 12:32		OK
9	CCV1	CCV1	CCV	08/25/17 12:32		OK
10	CCB1	CCB1	CCB	08/25/17 12:32		OK
11	PB101761BL	PB101761BL	MB	08/25/17 12:32		OK
12	PB101761BS	PB101761BS	LCS	08/25/17 12:32		OK
13	I4923-01	SB04-GW	SAM	08/25/17 12:32		OK
14	I4923-01DUP	SB04-GWDUP	DUP	08/25/17 12:39		OK
15	I4923-01MS	SB04-GWMS	MS	08/25/17 12:39		OK
16	I4923-01MSD	SB04-GWMSD	MSD	08/25/17 12:39		OK
17	I4923-02	SB01-GW	SAM	08/25/17 12:39		OK
18	CCV2	CCV2	CCV	08/25/17 12:39		OK
19	CCB2	CCB2	CCB	08/25/17 12:39		OK



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

Report of Analysis

Client:		Date Collected:	8/22/2017 12:00:00 AM
Project:	LB89716	Date Received:	8/22/2017 12:00:00 AM
Client Sample ID:	SB04-GW	SDG No.:	LB89716
Lab Sample ID:	I4923-01	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	1.9		1	0.096		0.5	mg/L	08/23/2017	08/25/2017	SM4500 N Org



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

Report of Analysis

Client:		Date Collected:	8/22/2017 12:00:00 AM
Project:	LB89716	Date Received:	8/22/2017 12:00:00 AM
Client Sample ID:	SB01-GW	SDG No.:	LB89716
Lab Sample ID:	I4923-02	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	0.53		1	0.096		0.5	mg/L	08/23/2017	08/25/2017	SM4500 N Org



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

Report of Analysis

Client:		Date Collected:	8/22/2017 12:00:00 AM
Project:	LB89716	Date Received:	8/22/2017 12:00:00 AM
Client Sample ID:	SB01-GW	SDG No.:	LB89716
Lab Sample ID:	I4923-02	Matrix:	WATER
Level (low/med):	low	% Solid:	0

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

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

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB89716

SDG No.: LB89716

Contract:

Lab Code: CHEM

Case No.: LB89716

SAS No.: LB89716

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	TKN	0.17	+/-0.5	J		0.5		08/25/2017	12:32	LB89716



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB89716

SDG No.: LB89716

Contract:

Lab Code: CHEM

Case No.: LB89716

SAS No.: LB89716

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	TKN	0.16	+/-0.5	J			0.5	08/25/2017	12:32	LB89716
CCB2	TKN	0.17	+/-0.5	J			0.5	08/25/2017	12:39	LB89716



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB89716

SDG No.: LB89716

Contract: Lab Code: CHEM

Case No.: LB89716

SAS No.: LB89716

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: LB89716

SDG No.: LB89716

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
PB101761BL		WATER		Batch Number:		PB101761		Prep Date:	08/23/2017	
	TKN	0.16	<0.5	J		0.5		08/25/2017	12:32	LB89716



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB89716 level: low sdg no.: LB89716
contract: lab code: CHEM case no.: LB89716 sas no.: LB89716
matrix: WATER sample id: I4923-01 client id: SB04-GWMS
Percent Solids for Sample: 0 Spiked ID: I4923-01MS 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	7.4		1.9		5	110		



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB89716 level: low sdg no.: LB89716
contract: lab code: CHEM case no.: LB89716 sas no.: LB89716
matrix: WATER sample id: I4923-01 client id: SB04-GWMSD
Percent Solids for Sample: 0 Spiked ID: I4923-01MSD 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	7.1		1.9		5	104		



GENCHEM

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB89716 Level: LOW SDG No.: LB89716
Contract: Lab Code: CHEM Case No.: LB89716 SAS No.: LB89716
Matrix: WATER Sample ID: I4923-01 Client ID: SB04-GWDUP
Percent Solids for Sample: 0 Duplicate ID I4923-01DUP Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
TKN	mg/L	20	1.9		1.9		0		

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

GENCHEM

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB89716 **Level:** LOW **SDG No.:** LB89716
Contract: **Lab Code:** CHEM **Case No.:** LB89716 **SAS No.:** LB89716
Matrix: WATER **Sample ID:** I4923-01MS **Client ID:** SB04-GWMSD
Percent Solids for Sample: 0 **Duplicate ID** I4923-01MSD **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
TKN	mg/L	20	7.4		7.1		4		



GENCHEM

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: LB89716

SDG No.: LB89716

Contract:

Lab Code: CHEM

Case No.: LB89716

SAS No.: LB89716

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB101761BS TKN	mg/L	5	4.5		90	80 - 120	