

Daily Analysis Runlog For Sequence/QC Batch ID # LB89874

Review By		Review On				
SubDirectory		LB89874		Test : TKN		
STD. NAME		STD REF.#				
ICAL Standard		WP57665				
ICV Standard		WP57667				
CCV Standard		WP57666				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		wp57031,wp57459,wp57237,wp57238				
Sr#	SampleId	ClientID	QcType	Date	Comment	Status
1	0.5PPM	0.5PPM	CAL1	09/05/17 13:39		OK
2	1.0PPM	1.0PPM	CAL2	09/05/17 13:39		OK
3	2.5PPM	2.5PPM	CAL3	09/05/17 13:39		OK
4	5.0PPM	5.0PPM	CAL4	09/05/17 13:39		OK
5	6.7PPM	6.7PPM	CAL5	09/05/17 13:39		OK
6	10.0PPM	10.0PPM	CAL6	09/05/17 13:39		OK
7	ICV1	ICV1	ICV	09/05/17 15:02		OK
8	ICB1	ICB1	ICB	09/05/17 15:02		OK
9	CCV1	CCV1	CCV	09/05/17 15:02		OK
10	CCB1	CCB1	CCB	09/05/17 15:02		OK
11	PB102000BL	PB102000BL	MB	09/05/17 15:02		OK
12	PB102000BS	PB102000BS	LCS	09/05/17 15:02		OK
13	I5057-01	MWHR2-6	SAM	09/05/17 15:02		OK
14	I5057-01DUP	MWHR2-6DUP	DUP	09/05/17 15:02		OK
15	I5057-02	MWHR2-6MS	MS	09/05/17 15:02		OK
16	I5057-03	MWHR2-6MSD	MSD	09/05/17 15:02		OK
17	I5057-04	MWHR2-10	SAM	09/05/17 15:02		OK
18	I5057-05	MWHR3-8	SAM	09/05/17 15:02		OK
19	CCV2	CCV2	CCV	09/05/17 15:10		OK
20	CCB2	CCB2	CCB	09/05/17 15:10		OK



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

Report of Analysis

Client:		Date Collected:	8/30/2017 12:00:00 AM
Project:	LB89874	Date Received:	8/31/2017 12:00:00 AM
Client Sample ID:	MWHR2-6	SDG No.:	LB89874
Lab Sample ID:	I5057-01	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	0.46	J	1	0.096		0.5	mg/L	09/01/2017	09/05/2017	SM4500 N Org



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

Report of Analysis

Client:		Date Collected:	8/30/2017 12:00:00 AM
Project:	LB89874	Date Received:	8/31/2017 12:00:00 AM
Client Sample ID:	MWHR2-10	SDG No.:	LB89874
Lab Sample ID:	I5057-04	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	0.45	J	1	0.096		0.5	mg/L	09/01/2017	09/05/2017	SM4500 N Org



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

Report of Analysis

Client:		Date Collected:	8/30/2017 12:00:00 AM
Project:	LB89874	Date Received:	8/31/2017 12:00:00 AM
Client Sample ID:	MWHR3-8	SDG No.:	LB89874
Lab Sample ID:	I5057-05	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	0.56		1	0.096		0.5	mg/L	09/01/2017	09/05/2017	SM4500 N Org



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

Report of Analysis

Client:		Date Collected:	8/30/2017 12:00:00 AM
Project:	LB89874	Date Received:	8/31/2017 12:00:00 AM
Client Sample ID:	MWHR3-8	SDG No.:	LB89874
Lab Sample ID:	I5057-05	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: LB89874

SDG No.: LB89874

Contract: _____ Lab Code: CHEM

Case No.: LB89874

SAS No.: LB89874

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	4.9	5	98	0	80 - 120		09/05/2017	15:02	LB89874
CCV2	TKN	4.9	5	98	0	80 - 120		09/05/2017	15:10	LB89874



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB89874

SDG No.: LB89874

Contract:

Lab Code: CHEM

Case No.: LB89874

SAS No.: LB89874

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	TKN	0.2	+/-0.5	J		0.5		09/05/2017	15:02	LB89874



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB89874

SDG No.: LB89874

Contract:

Lab Code: CHEM

Case No.: LB89874

SAS No.: LB89874

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	TKN	0.2	+/-0.5	J			0.5	09/05/2017	15:02	LB89874
CCB2	TKN	0.2	+/-0.5	J			0.5	09/05/2017	15:10	LB89874



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB89874

SDG No.: LB89874

Contract: Lab Code: CHEM

Case No.: LB89874

SAS No.: LB89874

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: LB89874

SDG No.: LB89874

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
PB102000BL	TKN	WATER 0.21	<0.5	Batch Number: J		PB102000 0.5		Prep Date: 09/05/2017	09/01/2017 15:02	LB89874



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB89874 level: low sdg no.: LB89874
contract: lab code: CHEM case no.: LB89874 sas no.: LB89874
matrix: WATER sample id: I5057-01 client id: MWHR2-6MS
Percent Solids for Sample: 0 Spiked ID: I5057-02 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	5.1		0.46	J	5	93		



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB89874 level: low sdg no.: LB89874
contract: lab code: CHEM case no.: LB89874 sas no.: LB89874
matrix: WATER sample id: I5057-01 client id: MWHR2-6MSD
Percent Solids for Sample: 0 Spiked ID: I5057-03 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	5.1		0.46	J	5	93		



GENCHEM

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB89874 Level: LOW SDG No.: LB89874
Contract: _____ Lab Code: CHEM Case No.: LB89874 SAS No.: LB89874
Matrix: WATER Sample ID: I5057-01 Client ID: MWHR2-6DUP
Percent Solids for Sample: 0 Duplicate ID I5057-01DUP Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
TKN	mg/L	20	0.46	J	0.47	J	2		

“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: LB89874 **Level:** LOW **SDG No.:** LB89874
Contract: **Lab Code:** CHEM **Case No.:** LB89874 **SAS No.:** LB89874
Matrix: WATER **Sample ID:** I5057-02 **Client ID:** MWHR2-6MSD
Percent Solids for Sample: 0 **Duplicate ID** I5057-03 **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
TKN	mg/L	20	5.1		5.1		0		



GENCHEM

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: LB89874

SDG No.: LB89874

Contract:

Lab Code: CHEM

Case No.: LB89874

SAS No.: LB89874

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB102000BS TKN	mg/L	5	5		100	80 - 120	