

Daily Analysis Runlog For Sequence/QC Batch ID # LB89229

Review By		Review On				
SubDirectory		LB89229		Test : TKN		
STD. NAME		STD REF.#				
ICAL Standard		WP56715				
ICV Standard		WP56721				
CCV Standard		WP56719				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP56723				
Chk Standard		WP56309,WP56632,WP56633,WP56634				
Sr#	SampleId	ClientID	QcType	Date	Comment	Status
1	0.5PPM	0.5PPM	CAL1	08/03/17 11:21		OK
2	1.0PPM	1.0PPM	CAL2	08/03/17 11:21		OK
3	2.5PPM	2.5PPM	CAL3	08/03/17 11:21		OK
4	5.0PPM	5.0PPM	CAL4	08/03/17 11:21		OK
5	6.7PPM	6.7PPM	CAL5	08/03/17 11:21		OK
6	10.0PPM	10.0PPM	CAL6	08/03/17 11:21		OK
7	ICV1	ICV1	ICV	08/03/17 11:55		OK
8	ICB1	ICB1	ICB	08/03/17 11:55		OK
9	CCV1	CCV1	CCV	08/03/17 11:55		OK
10	CCB1	CCB1	CCB	08/03/17 11:55		OK
11	PB101183BL	PB101183BL	MB	08/03/17 11:55		OK
12	PB101183BS	PB101183BS	LCS	08/03/17 11:55		OK
13	I4566-01	REFUSE-PIT	SAM	08/03/17 11:55		Dilution
14	I4566-01DUP	REFUSE-PITDUP	DUP	08/03/17 11:55		Dilution
15	I4566-01MS	REFUSE-PITMS	MS	08/03/17 11:55		Dilution
16	I4566-01MSD	REFUSE-PITMSD	MSD	08/03/17 11:55		Dilution
17	CCV2	CCV2	CCV	08/03/17 12:00		OK
18	CCB2	CCB2	CCB	08/03/17 12:00		OK
19	I4566-01DL	REFUSE-PITDL	SAM	08/03/17 12:28		Confirms
20	I4566-01DUPDL	REFUSE-PITDUPDL	DUP	08/03/17 12:28		Confirms
21	I4566-01MSDL	REFUSE-PITMSDL	MS	08/03/17 12:28		Confirms



Instrument ID : KONELAB

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

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SubDirectory		Test : TKN				
LB89229						
STD. NAME		STD REF.#				
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CRI Standard		N/A				
LCS Standard		WP56723				
Chk Standard		WP56309,WP56632,WP56633,WP56634				
22	I4566-01MSDDL	REFUSE-PITMSDDL	MSD	08/03/17 12:28		Confirms
23	CCV3	CCV3	CCV	08/03/17 12:28		OK
24	CCB3	CCB3	CCB	08/03/17 12:28		OK



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Report of Analysis

Client:		Date Collected:	8/1/2017 12:00:00 AM
Project:	LB89229	Date Received:	8/1/2017 12:00:00 AM
Client Sample ID:	REFUSE-PIT	SDG No.:	LB89229
Lab Sample ID:	I4566-01	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	10.6	OR	1	0.096		0.5	mg/L	08/02/2017	08/03/2017	SM4500 N Org



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Report of Analysis

Client:		Date Collected:	8/1/2017 12:00:00 AM
Project:	LB89229	Date Received:	8/1/2017 12:00:00 AM
Client Sample ID:	REFUSE-PITDL	SDG No.:	LB89229
Lab Sample ID:	I4566-01DL	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	11.2	D	2	0.19		1	mg/L	08/02/2017	08/03/2017	SM4500 N Org



Report of Analysis

Client:		Date Collected:	8/1/2017 12:00:00 AM
Project:	LB89229	Date Received:	8/1/2017 12:00:00 AM
Client Sample ID:	REFUSE-PITDL	SDG No.:	LB89229
Lab Sample ID:	I4566-01DL	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
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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: LB89229

SDG No.: LB89229

Contract: _____ Lab Code: CHEM

Case No.: LB89229

SAS No.: LB89229

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		08/03/2017	11:55	LB89229
CCV2	TKN	5.6	5	112	0	80 - 120		08/03/2017	12:00	LB89229
CCV3	TKN	5.3	5	106	0	80 - 120		08/03/2017	12:28	LB89229



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB89229

SDG No.: LB89229

Contract:

Lab Code: CHEM

Case No.: LB89229

SAS No.: LB89229

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	TKN	0.085	+/-0.5	U			0.5	08/03/2017	11:55	LB89229



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB89229

SDG No.: LB89229

Contract:

Lab Code: CHEM

Case No.: LB89229

SAS No.: LB89229

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	TKN	0.076	+/-0.5	U			0.5	08/03/2017	11:55	LB89229
CCB2	TKN	0.099	+/-0.5	J			0.5	08/03/2017	12:00	LB89229
CCB3	TKN	0.091	+/-0.5	U			0.5	08/03/2017	12:28	LB89229



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB89229

SDG No.: LB89229

Contract: Lab Code: CHEM

Case No.: LB89229

SAS No.: LB89229

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

Client: LB89229

SDG No.: LB89229

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
PB101183BL	TKN	WATER 0.091	<0.5	Batch Number: U		PB101183 0.5		Prep Date: 08/03/2017	08/02/2017 11:55	LB89229



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- 5a -
MATRIX SPIKE SUMMARY

client: LB89229 level: low sdg no.: LB89229
contract: lab code: CHEM case no.: LB89229 sas no.: LB89229
matrix: WATER sample id: I4566-01 client id: REFUSE-PITMS
Percent Solids for Sample: 0 Spiked ID: I4566-01MS 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	18.9	OR	10.6	OR	5	166	*	



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- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB89229 level: low sdg no.: LB89229
contract: lab code: CHEM case no.: LB89229 sas no.: LB89229
matrix: WATER sample id: I4566-01 client id: REFUSE-PITMSD
Percent Solids for Sample: 0 Spiked ID: I4566-01MSD 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	17.8	OR	10.6	OR	5	144	*	



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB89229 level: low sdg no.: LB89229
contract: lab code: CHEM case no.: LB89229 sas no.: LB89229
matrix: WATER sample id: I4566-01DL client id: REFUSE-PITMSDDL
Percent Solids for Sample: 0 Spiked ID: I4566-01MSDDL 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	17.4	D	11.2	D	5	124		



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB89229 level: low sdg no.: LB89229
contract: lab code: CHEM case no.: LB89229 sas no.: LB89229
matrix: WATER sample id: I4566-01DL client id: REFUSE-PITMSDL
Percent Solids for Sample: 0 Spiked ID: I4566-01MSDL 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	18.3	D	11.2	D	5	142	*	

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DUPLICATE SAMPLE SUMMARY

Client: LB89229 **Level:** LOW **SDG No.:** LB89229
Contract: **Lab Code:** CHEM **Case No.:** LB89229 **SAS No.:** LB89229
Matrix: WATER **Sample ID:** I4566-01 **Client ID:** REFUSE-PITDUP
Percent Solids for Sample: 0 **Duplicate ID** I4566-01DUP **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
TKN	mg/L	20	10.6	OR	10.8	OR	2		

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DUPLICATE SAMPLE SUMMARY

Client: LB89229 **Level:** LOW **SDG No.:** LB89229
Contract: **Lab Code:** CHEM **Case No.:** LB89229 **SAS No.:** LB89229
Matrix: WATER **Sample ID:** I4566-01DL **Client ID:** REFUSE-PITDUPDL
Percent Solids for Sample: 0 **Duplicate ID** I4566-01DUPDL **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
TKN	mg/L	20	11.2	D	11	D	2		

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DUPLICATE SAMPLE SUMMARY

Client: LB89229 **Level:** LOW **SDG No.:** LB89229
Contract: **Lab Code:** CHEM **Case No.:** LB89229 **SAS No.:** LB89229
Matrix: WATER **Sample ID:** I4566-01MS **Client ID:** REFUSE-PITMSD
Percent Solids for Sample: 0 **Duplicate ID** I4566-01MSD **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
TKN	mg/L	20	18.9	OR	17.8	OR	6		

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DUPLICATE SAMPLE SUMMARY

Client: LB89229 **Level:** LOW **SDG No.:** LB89229
Contract: **Lab Code:** CHEM **Case No.:** LB89229 **SAS No.:** LB89229
Matrix: WATER **Sample ID:** I4566-01MSDL **Client ID:** REFUSE-PITMSDDL
Percent Solids for Sample: 0 **Duplicate ID** I4566-01MSDDL **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
TKN	mg/L	20	18.3	D	17.4	D	5		



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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB89229

SDG No.: LB89229

Contract:

Lab Code: CHEM

Case No.: LB89229

SAS No.: LB89229

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB101183BS TKN	mg/L	5	5.1		102	80 - 120	