

Daily Analysis Runlog For Sequence/QC Batch ID # LB95838

Review By

SubDirectory

Review On

Test : TKN

LB95838

STD. NAME		STD REF.#				
ICAL Standard		WP65048				
ICV Standard		WP65050				
CCV Standard		WP65049				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP65051				
Chk Standard		WP61582,WP64528,WP64526,WP64527				

Sr#	SampleId	ClientID	QcType	Date	Comment	Status
1	0.5PPM	0.5PPM	CAL1	06/06/18 09:23		OK
2	1.0PPM	1.0PPM	CAL2	06/06/18 09:23		OK
3	2.5PPM	2.5PPM	CAL3	06/06/18 09:23		OK
4	5.0PPM	5.0PPM	CAL4	06/06/18 09:23		OK
5	6.7PPM	6.7PPM	CAL5	06/06/18 09:23		OK
6	10.0PPM	10.0PPM	CAL6	06/06/18 09:23		OK
7	ICV1	ICV1	ICV	06/06/18 10:37		OK
8	ICB1	ICB1	ICB	06/06/18 10:37		OK
9	CCV1	CCV1	CCV	06/06/18 10:37		OK
10	CCB1	CCB1	CCB	06/06/18 10:37		OK
11	PB109974BL	PB109974BL	MB	06/06/18 10:37		OK
12	PB109974BS	PB109974BS	LCS	06/06/18 10:37		OK
13	J3306-01	A&M-SOIL	SAM	06/06/18 10:37		OK
14	J3306-01DUP	A&M-SOILDUP	DUP	06/06/18 10:37		OK
15	J3306-01MS	A&M-SOILMS	MS	06/06/18 10:37		OK
16	J3306-01MSD	A&M-SOILMSD	MSD	06/06/18 10:37		OK
17	PB109975BL	PB109975BL	MB	06/06/18 10:37		OK
18	PB109975BS	PB109975BS	LCS	06/06/18 10:37		OK
19	J3306-03	A&M-WATER	SAM	06/06/18 10:46		OK
20	J3306-03DUP	A&M-WATERDUP	DUP	06/06/18 10:46		OK
21	CCV2	CCV2	CCV	06/06/18 10:46		OK



Instrument ID : KONELAB

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

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LCS Standard		WP65051				
Chk Standard		WP61582,WP64528,WP64526,WP64527				
22	CCB2	CCB2	CCB	06/06/18 10:46		OK
23	J3306-03MS	A&M-WATERMS	MS	06/06/18 10:46		OK
24	J3306-03MSD	A&M-WATERMSD	MSD	06/06/18 10:46		OK
25	CCV3	CCV3	CCV	06/06/18 10:46		OK
26	CCB3	CCB3	CCB	06/06/18 10:46		OK



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

Report of Analysis

Client:		Date Collected:	6/1/2018 12:00:00 AM
Project:	LB95838	Date Received:	6/1/2018 12:00:00 AM
Client Sample ID:	A&M-SOIL	SDG No.:	LB95838
Lab Sample ID:	J3306-01	Matrix:	Solid
Level (low/med):	low	% Solid:	37

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	TKN	970		1	12.5		65	mg/Kg	06/05/2018	06/06/2018	SM4500 N Org



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Report of Analysis

Client:		Date Collected:	6/1/2018 12:00:00 AM
Project:	LB95838	Date Received:	6/1/2018 12:00:00 AM
Client Sample ID:	A&M-WATER	SDG No.:	LB95838
Lab Sample ID:	J3306-03	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	44.2		1	0.96		5	mg/L	06/05/2018	06/06/2018	SM4500 N Org

Report of Analysis

Client:		Date Collected:	6/1/2018 12:00:00 AM
Project:	LB95838	Date Received:	6/1/2018 12:00:00 AM
Client Sample ID:	A&M-WATER	SDG No.:	LB95838
Lab Sample ID:	J3306-03	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
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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: LB95838

SDG No.: LB95838

Contract: _____

Lab Code: CHEM

Case No.: LB95838

SAS No.: LB95838

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
ICV1	TKN	4.8	5	96		80 - 120		06/06/2018	10:37	LB95838

Sample ID	Analyte	Result	True Value	% Recovery	Qual	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
		mg/L								
CCV1	TKN	5.1	5	102		80 - 120		06/06/2018	10:37	LB95838
CCV2	TKN	5.1	5	102		80 - 120		06/06/2018	10:46	LB95838
CCV3	TKN	5.2	5	104		80 - 120		06/06/2018	10:46	LB95838



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB95838 SDG No.: LB95838
Contract: Lab Code: CHEM Case No.: LB95838 SAS No.: LB95838

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	TKN	0.015	+/-0.5	U		0.5		06/06/2018	10:37	LB95838



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB95838

SDG No.: LB95838

Contract: _____

Lab Code: CHEM

Case No.: LB95838

SAS No.: LB95838

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	TKN	0.019	+/-0.5	U			0.5	06/06/2018	10:37	LB95838
CCB2	TKN	0.05	+/-0.5	U			0.5	06/06/2018	10:46	LB95838
CCB3	TKN	0.041	+/-0.5	U			0.5	06/06/2018	10:46	LB95838



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB95838

SDG No.: LB95838

Contract: Lab Code: CHEM

Case No.: LB95838

SAS No.: LB95838

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: LB95838

SDG No.: LB95838

Instrument: Konelab 20

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	LOD mg/Kg	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB109974BL	TKN	SOLID		Batch Number:		PB109974		Prep Date:	06/05/2018	
		1.3	<24.5	U		24.5		06/06/2018	10:37	LB95838
Sample ID	Analyte	Result (mg/L)	Acceptance Limit	Conc Qual	LOD mg/L	CRQL mg/L	M	Analysis Date	Analysis Time	Run
PB109975BL	TKN	WATER		Batch Number:		PB109975		Prep Date:	06/05/2018	
		0.046	<0.5	U		0.5		06/06/2018	10:37	LB95838



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB95838 level: low sdg no.: LB95838
contract: lab code: CHEM case no.: LB95838 sas no.: LB95838
matrix: Solid sample id: J3306-01 client id: A&M-SOILMS
Percent Solids for Sample: 37 Spiked ID: J3306-01MS Percent Solids for Spike Sample: 37

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
TKN	mg/Kg	75 - 125	1530	OR	970		660	85		



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB95838 level: low sdg no.: LB95838
contract: lab code: CHEM case no.: LB95838 sas no.: LB95838
matrix: Solid sample id: J3306-01 client id: A&M-SOILMSD
Percent Solids for Sample: 37 Spiked ID: J3306-01MSD Percent Solids for Spike Sample: 37

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
TKN	mg/Kg	75 - 125	1510	OR	970		650	83		



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB95838 level: low sdg no.: LB95838
contract: lab code: CHEM case no.: LB95838 sas no.: LB95838
matrix: WATER sample id: J3306-03 client id: A&M-WATERMS
Percent Solids for Sample: 0 Spiked ID: J3306-03MS 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	92.5		44.2		50	97		



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB95838 level: low sdg no.: LB95838
contract: lab code: CHEM case no.: LB95838 sas no.: LB95838
matrix: WATER sample id: J3306-03 client id: A&M-WATERMSD
Percent Solids for Sample: 0 Spiked ID: J3306-03MSD 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	90.9		44.2		50	93		

GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB95838 **Level:** LOW **SDG No.:** LB95838
Contract: **Lab Code:** CHEM **Case No.:** LB95838 **SAS No.:** LB95838
Matrix: Solid **Sample ID:** J3306-01 **Client ID:** A&M-SOILDUP
Percent Solids for Sample: 37 **Duplicate ID** J3306-01DUP **Percent Solids for Spike Sample:** 37

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
TKN	mg/Kg	20	970		985		2		

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DUPLICATE SAMPLE SUMMARY

Client: LB95838 **Level:** LOW **SDG No.:** LB95838
Contract: **Lab Code:** CHEM **Case No.:** LB95838 **SAS No.:** LB95838
Matrix: Solid **Sample ID:** J3306-01MS **Client ID:** A&M-SOILMSD
Percent Solids for Sample: 37 **Duplicate ID** J3306-01MSD **Percent Solids for Spike Sample:** 37

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
TKN	mg/Kg	20	1530	OR	1510	OR	1		

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DUPLICATE SAMPLE SUMMARY

Client: LB95838 **Level:** LOW **SDG No.:** LB95838
Contract: **Lab Code:** CHEM **Case No.:** LB95838 **SAS No.:** LB95838
Matrix: WATER **Sample ID:** J3306-03 **Client ID:** A&M-WATERDUP
Percent Solids for Sample: 0 **Duplicate ID** J3306-03DUP **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
TKN	mg/L	20	44.2		44.7		1		

GENCHEM

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB95838 **Level:** LOW **SDG No.:** LB95838
Contract: **Lab Code:** CHEM **Case No.:** LB95838 **SAS No.:** LB95838
Matrix: WATER **Sample ID:** J3306-03MS **Client ID:** A&M-WATERMSD
Percent Solids for Sample: 0 **Duplicate ID** J3306-03MSD **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
TKN	mg/L	20	92.5		90.9		2		



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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB95838

SDG No.: LB95838

Contract:

Lab Code: CHEM

Case No.: LB95838

SAS No.: LB95838

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB109974BS TKN	mg/Kg	250	241		96.4	80 - 120	

