

Daily Analysis Runlog For Sequence/QC Batch ID # LB93039

Review By		Review On				
SubDirectory		LB93039		Test : TKN		
STD. NAME		STD REF.#				
ICAL Standard		WP61408				
ICV Standard		WP61410				
CCV Standard		WP61409				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP61411				
Chk Standard		WP57031,WP61176,WP61174,WP61175				
Sr#	SampleId	ClientID	QcType	Date	Comment	Status
1	0.5PPM	0.5PPM	CAL1	02/01/18 07:46		OK
2	1.0PPM	1.0PPM	CAL2	02/01/18 07:46		OK
3	2.5PPM	2.5PPM	CAL3	02/01/18 07:46		OK
4	5.0PPM	5.0PPM	CAL4	02/01/18 07:46		OK
5	6.7PPM	6.7PPM	CAL5	02/01/18 07:46		OK
6	10.0PPM	10.0PPM	CAL6	02/01/18 07:46		OK
7	ICV1	ICV1	ICV	02/01/18 08:20		OK
8	ICB1	ICB1	ICB	02/01/18 08:20		OK
9	CCV1	CCV1	CCV	02/01/18 08:20		OK
10	CCB1	CCB1	CCB	02/01/18 08:20		OK
11	PB106134BL	PB106134BL	MB	02/01/18 08:20		OK
12	PB106134BS	PB106134BS	LCS	02/01/18 08:20		OK
13	J1161-01	LOD-MDL-SOIL-01-Q	SAM	02/01/18 08:20		OK
14	J1161-02	LOQ-SOIL-02-QT1-2	LOQ	02/01/18 08:20		OK
15	J1161-03	MDL-SOIL-03-QT1-2	SAM	02/01/18 08:31		OK
16	PB106219BL	PB106219BL	MB	02/01/18 08:31		OK
17	PB106219BS	PB106219BS	LCS	02/01/18 08:31		OK
18	J1364-14	MW-03	SAM	02/01/18 08:31		OK
19	J1364-14DUP	MW-03DUP	DUP	02/01/18 08:31		OK
20	J1364-14MS	MW-03MS	MS	02/01/18 08:31		OK
21	CCV2	CCV2	CCV	02/01/18 08:31		OK

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

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SubDirectory		Test : TKN				
LB93039						
STD. NAME	STD REF.#					
ICAL Standard	WP61408					
ICV Standard	WP61410					
CCV Standard	WP61409					
ICSA Standard	N/A					
CRI Standard	N/A					
LCS Standard	WP61411					
Chk Standard	WP57031,WP61176,WP61174,WP61175					
22	CCB2	CCB2	CCB	02/01/18 08:31		OK
23	J1364-14MSD	MW-03MSD	MSD	02/01/18 08:31		OK
24	J1364-15	MW-04	SAM	02/01/18 08:31		OK
25	J1364-16	MW-05	SAM	02/01/18 08:31		OK
26	J1364-17	MW-07	SAM	02/01/18 08:31		OK
27	CCV3	CCV3	CCV	02/01/18 08:36		OK
28	CCB3	CCB3	CCB	02/01/18 08:36		OK
29	J1364-17DL	MW-07DL	SAM	02/01/18 09:12		OK
30	CCV4	CCV4	CCV	02/01/18 09:12		OK
31	CCB4	CCB4	CCB	02/01/18 09:12		OK



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Report of Analysis

Client:		Date Collected:	1/16/2018 12:00:00 AM
Project:	LB93039	Date Received:	1/16/2018 12:00:00 AM
Client Sample ID:	LOD-MDL-SOIL-01-QT1-2018	SDG No.:	LB93039
Lab Sample ID:	J1161-01	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	TKN	14.6	J	1	4.7		24.5	mg/Kg	01/29/2018	02/01/2018	SM4500 N Org



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Report of Analysis

Client:		Date Collected:	1/16/2018 12:00:00 AM
Project:	LB93039	Date Received:	1/16/2018 12:00:00 AM
Client Sample ID:	MDL-SOIL-03-QT1-2018	SDG No.:	LB93039
Lab Sample ID:	J1161-03	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	TKN	12.6	J	1	4.7		24.5	mg/Kg	01/29/2018	02/01/2018	SM4500 N Org



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Report of Analysis

Client:		Date Collected:	1/29/2018 12:00:00 AM
Project:	LB93039	Date Received:	1/29/2018 12:00:00 AM
Client Sample ID:	MW-03	SDG No.:	LB93039
Lab Sample ID:	J1364-14	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	01/31/2018	02/01/2018	SM4500 N Org



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Report of Analysis

Client:		Date Collected:	1/29/2018 12:00:00 AM
Project:	LB93039	Date Received:	1/29/2018 12:00:00 AM
Client Sample ID:	MW-04	SDG No.:	LB93039
Lab Sample ID:	J1364-15	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	2.5		1	0.096		0.5	mg/L	01/31/2018	02/01/2018	SM4500 N Org



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Report of Analysis

Client:		Date Collected:	1/29/2018 12:00:00 AM
Project:	LB93039	Date Received:	1/29/2018 12:00:00 AM
Client Sample ID:	MW-05	SDG No.:	LB93039
Lab Sample ID:	J1364-16	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	2.2		1	0.096		0.5	mg/L	01/31/2018	02/01/2018	SM4500 N Org



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Report of Analysis

Client:		Date Collected:	1/29/2018 12:00:00 AM
Project:	LB93039	Date Received:	1/29/2018 12:00:00 AM
Client Sample ID:	MW-07	SDG No.:	LB93039
Lab Sample ID:	J1364-17	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	13.1	OR	1	0.096		0.5	mg/L	01/31/2018	02/01/2018	SM4500 N Org



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Report of Analysis

Client:		Date Collected:	1/29/2018 12:00:00 AM
Project:	LB93039	Date Received:	1/29/2018 12:00:00 AM
Client Sample ID:	MW-07DL	SDG No.:	LB93039
Lab Sample ID:	J1364-17DL	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	13.3	D	2	0.19		1	mg/L	01/31/2018	02/01/2018	SM4500 N Org

Report of Analysis

Client:		Date Collected:	1/29/2018 12:00:00 AM
Project:	LB93039	Date Received:	1/29/2018 12:00:00 AM
Client Sample ID:	MW-07DL	SDG No.:	LB93039
Lab Sample ID:	J1364-17DL	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: LB93039

SDG No.: LB93039

Contract: _____ Lab Code: CHEM

Case No.: LB93039

SAS No.: LB93039

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	5.2	5	104		80 - 120		02/01/2018	08:20	LB93039



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB93039

SDG No.: LB93039

Contract: _____ **Lab Code:** CHEM

Case No.: LB93039

SAS No.: LB93039

Initial Calibration Source:

Continuing Calibration Source: _____

Sample ID	Analyte	Result	True Value	% Recovery	Qual	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
		mg/L								
CCV1	TKN	5.2	5	104		80 - 120		02/01/2018	08:20	LB93039
CCV2	TKN	5.1	5	102		80 - 120		02/01/2018	08:31	LB93039
CCV3	TKN	5.5	5	110		80 - 120		02/01/2018	08:36	LB93039
CCV4	TKN	5.2	5	104		80 - 120		02/01/2018	09:12	LB93039



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB93039

SDG No.: LB93039

Contract:

Lab Code: CHEM

Case No.: LB93039

SAS No.: LB93039

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	TKN	0.078	+/-0.5	U			0.5	02/01/2018	08:20	LB93039



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB93039

SDG No.: LB93039

Contract:

Lab Code: CHEM

Case No.: LB93039

SAS No.: LB93039

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	TKN	0.075	+/-0.5	U			0.5	02/01/2018	08:20	LB93039
CCB2	TKN	0.097	+/-0.5	J			0.5	02/01/2018	08:31	LB93039
CCB3	TKN	0.089	+/-0.5	U			0.5	02/01/2018	08:36	LB93039
CCB4	TKN	0.085	+/-0.5	U			0.5	02/01/2018	09:12	LB93039



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB93039

SDG No.: LB93039

Contract: Lab Code: CHEM

Case No.: LB93039

SAS No.: LB93039

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: LB93039

SDG No.: LB93039

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
PB106134BL	TKN	SOLID		Batch Number:		PB106134		Prep Date:	01/29/2018	
		3.7	<24.8	U		24.8		02/01/2018	08:20	LB93039
Sample ID	Analyte	Result (mg/L)	Acceptance Limit	Conc Qual	LOD mg/L	CRQL mg/L	M	Analysis Date	Analysis Time	Run
PB106219BL	TKN	WATER		Batch Number:		PB106219		Prep Date:	01/31/2018	
		0.1	<0.5	J		0.5		02/01/2018	08:31	LB93039



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB93039 level: low sdg no.: LB93039
contract: lab code: CHEM case no.: LB93039 sas no.: LB93039
matrix: WATER sample id: J1364-14 client id: MW-03MS
Percent Solids for Sample: 0 Spiked ID: J1364-14MS 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	7.2		1.9		5	106		

GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB93039 level: low sdg no.: LB93039
contract: lab code: CHEM case no.: LB93039 sas no.: LB93039
matrix: WATER sample id: J1364-14 client id: MW-03MSD
Percent Solids for Sample: 0 Spiked ID: J1364-14MSD 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		1.9		5	100		

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DUPLICATE SAMPLE SUMMARY

Client: LB93039 **Level:** LOW **SDG No.:** LB93039
Contract: **Lab Code:** CHEM **Case No.:** LB93039 **SAS No.:** LB93039
Matrix: WATER **Sample ID:** J1364-14 **Client ID:** MW-03DUP
Percent Solids for Sample: 0 **Duplicate ID** J1364-14DUP **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		

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DUPLICATE SAMPLE SUMMARY

Client: LB93039 **Level:** LOW **SDG No.:** LB93039
Contract: **Lab Code:** CHEM **Case No.:** LB93039 **SAS No.:** LB93039
Matrix: WATER **Sample ID:** J1364-14MS **Client ID:** MW-03MSD
Percent Solids for Sample: 0 **Duplicate ID** J1364-14MSD **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
TKN	mg/L	20	7.2		6.9		4		



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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB93039

SDG No.: LB93039

Contract:

Lab Code: CHEM

Case No.: LB93039

SAS No.: LB93039

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB106134BS TKN	mg/Kg	240	275		114.6	80 - 120	



GENCHEM

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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB93039

SDG No.: LB93039

Contract:

Lab Code: CHEM

Case No.: LB93039

SAS No.: LB93039

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB106219BS TKN	mg/L	5	5.4		108	80 - 120	