

Daily Analysis Runlog For Sequence/QC Batch ID # LB93359

Review By		Review On				
SubDirectory		LB93359		Test : TKN		
STD. NAME		STD REF.#				
ICAL Standard		WP61818				
ICV Standard		WP61816				
CCV Standard		WP61819				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP61828				
Chk Standard		WP61582,WP61176,WP61174,WP61175				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.5PPM	0.5PPM	CAL1	02/19/18 10:04		OK
2	1.0PPM	1.0PPM	CAL2	02/19/18 10:04		OK
3	2.5PPM	2.5PPM	CAL3	02/19/18 10:04		OK
4	5.0PPM	5.0PPM	CAL4	02/19/18 10:04		OK
5	6.7PPM	6.7PPM	CAL5	02/19/18 10:04		OK
6	10.0PPM	10.0PPM	CAL6	02/19/18 10:04		OK
7	ICV1	ICV1	ICV	02/19/18 10:33		OK
8	ICB1	ICB1	ICB	02/19/18 10:33		OK
9	CCV1	CCV1	CCV	02/19/18 10:33		OK
10	CCB1	CCB1	CCB	02/19/18 10:33		OK
11	PB106623BL	PB106623BL	MB	02/19/18 10:33		OK
12	PB106623BS	PB106623BS	LCS	02/19/18 10:33		OK
13	J1161-01	LOD-MDL-SOIL-01-C	SAM	02/19/18 10:33		OK
14	J1161-03	MDL-SOIL-03-QT1-2	SAM	02/19/18 10:33		OK
15	PB106622BL	PB106622BL	MB	02/19/18 10:33		OK
16	PB106622BS	PB106622BS	LCS	02/19/18 10:33		OK
17	J1161-07	LOD-MDL-WATER-0	SAM	02/19/18 10:33		OK
18	J1161-09	MDL-WATER-03-QT1	SAM	02/19/18 10:33		OK
19	CCV2	CCV2	CCV	02/19/18 10:38		OK
20	CCB2	CCB2	CCB	02/19/18 10:38		OK



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Report of Analysis

Client:		Date Collected:	1/16/2018 12:00:00 AM
Project:	LB93359	Date Received:	1/16/2018 12:00:00 AM
Client Sample ID:	LOD-MDL-SOIL-01-QT1-2018	SDG No.:	LB93359
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	16.8	J	1	4.7		24.5	mg/Kg	02/16/2018	02/19/2018	SM4500 N Org



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Report of Analysis

Client:		Date Collected:	1/16/2018 12:00:00 AM
Project:	LB93359	Date Received:	1/16/2018 12:00:00 AM
Client Sample ID:	MDL-SOIL-03-QT1-2018	SDG No.:	LB93359
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	16.2	J	1	4.5		23.6	mg/Kg	02/16/2018	02/19/2018	SM4500 N Org



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Report of Analysis

Client:		Date Collected:	1/16/2018 12:00:00 AM
Project:	LB93359	Date Received:	1/16/2018 12:00:00 AM
Client Sample ID:	LOD-MDL-WATER-01-QT1-2018	SDG No.:	LB93359
Lab Sample ID:	J1161-07	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	0.34	J	1	0.096		0.5	mg/L	02/16/2018	02/19/2018	SM4500 N Org



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Report of Analysis

Client:		Date Collected:	1/16/2018 12:00:00 AM
Project:	LB93359	Date Received:	1/16/2018 12:00:00 AM
Client Sample ID:	MDL-WATER-03-QT1-2018	SDG No.:	LB93359
Lab Sample ID:	J1161-09	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	0.31	J	1	0.096		0.5	mg/L	02/16/2018	02/19/2018	SM4500 N Org



Report of Analysis

Client:		Date Collected:	1/16/2018 12:00:00 AM
Project:	LB93359	Date Received:	1/16/2018 12:00:00 AM
Client Sample ID:	MDL-WATER-03-QT1-2018	SDG No.:	LB93359
Lab Sample ID:	J1161-09	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: LB93359

SDG No.: LB93359

Contract: _____

Lab Code: CHEM

Case No.: LB93359

SAS No.: LB93359

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		02/19/2018	10:33	lb93359



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB93359

SDG No.: LB93359

Contract: _____ Lab Code: CHEM

Case No.: LB93359

SAS No.: LB93359

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
CCV1	TKN	5.3	5	106		80 - 120		02/19/2018	10:33	lb93359
CCV2	TKN	5.4	5	108		80 - 120		02/19/2018	10:38	lb93359



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB93359 **SDG No.:** LB93359
Contract: **Lab Code:** CHEM **Case No.:** LB93359 **SAS No.:** LB93359

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	TKN	0.18	+/-0.5	J		0.5		02/19/2018	10:33	lb93359



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB93359

SDG No.: LB93359

Contract: _____

Lab Code: CHEM

Case No.: LB93359

SAS No.: LB93359

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	TKN	0.18	+/-0.5	J			0.5	02/19/2018	10:33	1b93359
CCB2	TKN	0.2	+/-0.5	J			0.5	02/19/2018	10:38	1b93359



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB93359

SDG No.: LB93359

Contract: Lab Code: CHEM

Case No.: LB93359

SAS No.: LB93359

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: LB93359

SDG No.: LB93359

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
PB106622BL	TKN	WATER		Batch Number:		PB106622		Prep Date:	02/16/2018	
		0.18	<0.5	J		0.5		02/19/2018	10:33	lb93359
Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	LOD mg/Kg	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB106623BL	TKN	SOLID		Batch Number:		PB106623		Prep Date:	02/16/2018	
		8.7	<24.5	J		24.5		02/19/2018	10:33	lb93359



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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB93359

SDG No.: LB93359

Contract:

Lab Code: CHEM

Case No.: LB93359

SAS No.: LB93359

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB106622BS TKN	mg/L	5	5.4		108	80 - 120	



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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB93359

SDG No.: LB93359

Contract:

Lab Code: CHEM

Case No.: LB93359

SAS No.: LB93359

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB106623BS TKN	mg/Kg	240	258		107.5	80 - 120	