



Instrument ID : KONELAB

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

Daily Analysis Runlog For Sequence/QC Batch ID # LB94811

Review By		Review On				
SubDirectory		LB94811		Test : Ammonia		
STD. NAME		STD REF.#				
ICAL Standard		WP63881				
ICV Standard		WP63883				
CCV Standard		WP63882				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP63868				
Chk Standard		WP61582,WP63749,WP63750,WP63751				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.1PPM	0.1PPM	CAL1	04/23/18 08:28		
2	0.2PPM	0.2PPM	CAL2	04/23/18 08:28		
3	0.4PPM	0.4PPM	CAL3	04/23/18 08:28		
4	1.0PPM	1.0PPM	CAL4	04/23/18 08:28		
5	1.3PPM	1.3PPM	CAL5	04/23/18 08:28		
6	2.0PPM	2.0PPM	CAL6	04/23/18 08:28		
7	ICV1	ICV1	ICV	04/23/18 09:42		
8	ICB1	ICB1	ICB	04/23/18 09:42		
9	CCV1	CCV1	CCV	04/23/18 09:42		
10	CCB1	CCB1	CCB	04/23/18 09:42		
11	PB108451BL	PB108451BL	MB	04/23/18 09:42		
12	PB108451BS	PB108451BS	LCS	04/23/18 09:42		
13	J2477-01	FK-PS-01-022	SAM	04/23/18 09:42		
14	J2477-01DUP	FK-PS-01-022DUP	DUP	04/23/18 09:42		
15	J2477-01MS	FK-PS-01-022MS	MS	04/23/18 09:42		
16	J2477-01MSD	FK-PS-01-022MSD	MSD	04/23/18 09:42		
17	CCV2	CCV2	CCV	04/23/18 09:42		
18	CCB2	CCB2	CCB	04/23/18 09:42		



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Report of Analysis

Client:		Date Collected:	4/19/2018 12:00:00 AM
Project:	LB94811	Date Received:	4/19/2018 12:00:00 AM
Client Sample ID:	FK-PS-01-022	SDG No.:	LB94811
Lab Sample ID:	J2477-01	Matrix:	Solid
Level (low/med):	low	% Solid:	88.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Ammonia as N	16.2		1	1.9		5.5	mg/Kg	04/20/2018	04/23/2018	SM4500-NH3

Report of Analysis

Client:		Date Collected:	4/19/2018 12:00:00 AM
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Lab Sample ID:	J2477-01	Matrix:	Solid
Level (low/med):	low	% Solid:	88.7

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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: LB94811

SDG No.: LB94811

Contract: _____ Lab Code: CHEM

Case No.: LB94811 SAS No.: LB94811

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	Ammonia as N	1	1	100		90 - 110		04/23/2018	09:42	lb94811



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB94811

SDG No.: LB94811

Contract: _____

Lab Code: CHEM

Case No.: LB94811

SAS No.: LB94811

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	Ammonia as N	0.93	1	93		90 - 110		04/23/2018	09:42	lb94811
CCV2	Ammonia as N	0.92	1	92		90 - 110		04/23/2018	09:42	lb94811



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB94811 **SDG No.:** LB94811
Contract: **Lab Code:** CHEM **Case No.:** LB94811 **SAS No.:** LB94811

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Ammonia as N	0.021	+/-0.1	U		0.1		04/23/2018	09:42	lb94811



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client:	LB94811				SDG No.:	LB94811				
Contract:			Lab Code:	CHEM		Case No.:	LB94811		SAS No.:	LB94811
Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Ammonia as N	0.023	+/-0.1	U			0.1	04/23/2018	09:42	lb94811
CCB2	Ammonia as N	0.022	+/-0.1	U			0.1	04/23/2018	09:42	lb94811



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB94811

SDG No.: LB94811

Contract: Lab Code: CHEM

Case No.: LB94811

SAS No.: LB94811

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: LB94811

SDG No.: LB94811

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
PB108451BL		SOLID		Batch Number:		PB108451		Prep Date:	04/20/2018	
	Ammonia as N	0.93	<4.9	U		4.9		04/23/2018	09:42	lb94811



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- 5a -
MATRIX SPIKE SUMMARY

client: LB94811 level: low sdg no.: LB94811
contract: lab code: CHEM case no.: LB94811 sas no.: LB94811
matrix: Solid sample id: J2477-01 client id: FK-PS-01-022MS
Percent Solids for Sample: 88.7 Spiked ID: J2477-01MS Percent Solids for Spike Sample: 88.7

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Ammonia as N	mg/Kg	75 - 125	62.4		16.2		55.3	84		



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB94811 level: low sdg no.: LB94811
contract: lab code: CHEM case no.: LB94811 sas no.: LB94811
matrix: Solid sample id: J2477-01 client id: FK-PS-01-022MSD
Percent Solids for Sample: 88.7 Spiked ID: J2477-01MSD Percent Solids for Spike Sample: 88.7

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Ammonia as N	mg/Kg	75 - 125	60.2		16.2		54.2	81		

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DUPLICATE SAMPLE SUMMARY

Client: LB94811 **Level:** LOW **SDG No.:** LB94811
Contract: **Lab Code:** CHEM **Case No.:** LB94811 **SAS No.:** LB94811
Matrix: Solid **Sample ID:** J2477-01 **Client ID:** FK-PS-01-022DUP
Percent Solids for Sample: 88.7 **Duplicate ID** J2477-01DUP **Percent Solids for Spike Sample:** 88.7

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Ammonia as N	mg/Kg	20	16.2		16.8		4		

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DUPLICATE SAMPLE SUMMARY

Client: LB94811 **Level:** LOW **SDG No.:** LB94811
Contract: **Lab Code:** CHEM **Case No.:** LB94811 **SAS No.:** LB94811
Matrix: Solid **Sample ID:** J2477-01MS **Client ID:** FK-PS-01-022MSD
Percent Solids for Sample: 88.7 **Duplicate ID** J2477-01MSD **Percent Solids for Spike Sample:** 88.7

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Ammonia as N	mg/Kg	20	62.4		60.2		4		

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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB94811

SDG No.: LB94811

Contract:

Lab Code: CHEM

Case No.: LB94811

SAS No.: LB94811

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB108451BS Ammonia as N	mg/Kg	49.5	49.1		99.2	80 - 120	