

## Daily Analysis Runlog For Sequence/QC Batch ID # LB95114

Review By		Review On				
SubDirectory		LB95114		Test : Ammonia		
STD. NAME		STD REF.#				
ICAL Standard		WP64214				
ICV Standard		WP64216				
CCV Standard		WP64215				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP64209				
Chk Standard		WP61582,WP63749,WP63750,WP63751				

Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.1PPM	0.1PPM	CAL1	05/04/18 07:55		OK
2	0.2PPM	0.2PPM	CAL2	05/04/18 07:55		OK
3	0.4PPM	0.4PPM	CAL3	05/04/18 07:55		OK
4	1.0PPM	1.0PPM	CAL4	05/04/18 07:55		OK
5	1.3PPM	1.3PPM	CAL5	05/04/18 07:55		OK
6	2.0PPM	2.0PPM	CAL6	05/04/18 07:55		OK
7	ICV1	ICV1	ICV	05/04/18 09:24		OK
8	ICB1	ICB1	ICB	05/04/18 09:24		OK
9	CCV1	CCV1	CCV	05/04/18 09:24		OK
10	CCB1	CCB1	CCB	05/04/18 09:24		OK
11	PB108894BL	PB108894BL	MB	05/04/18 09:24		OK
12	PB108894BS	PB108894BS	LCS	05/04/18 09:25		OK
13	J2696-01	FK-PS-01.024	SAM	05/04/18 09:25		OK
14	J2696-01DUP	FK-PS-01.024DUP	DUP	05/04/18 09:25		OK
15	J2696-01MS	FK-PS-01.024MS	MS	05/04/18 09:25		OK
16	J2696-01MSD	FK-PS-01.024MSD	MSD	05/04/18 09:25		OK
17	J2699-01	FK-PS-01-024	SAM	05/04/18 09:25		OK
18	CCV2	CCV2	CCV	05/04/18 09:49		OK
19	CCB2	CCB2	CCB	05/04/18 09:49		OK



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

## Report of Analysis

Client:		Date Collected:	5/2/2018 12:00:00 AM
Project:	LB95114	Date Received:	5/2/2018 12:00:00 AM
Client Sample ID:	FK-PS-01.024	SDG No.:	LB95114
Lab Sample ID:	J2696-01	Matrix:	Solid
Level (low/med):	low	% Solid:	88.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Ammonia as N	10.3		1	1.9		5.6	mg/Kg	05/03/2018	05/04/2018	SM4500-NH3



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## Report of Analysis

Client:		Date Collected:	5/2/2018 12:00:00 AM
Project:	LB95114	Date Received:	5/2/2018 12:00:00 AM
Client Sample ID:	FK-PS-01-024	SDG No.:	LB95114
Lab Sample ID:	J2699-01	Matrix:	Solid
Level (low/med):	low	% Solid:	89.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Ammonia as N	14		1	1.9		5.5	mg/Kg	05/03/2018	05/04/2018	SM4500-NH3



## Report of Analysis

Client:		Date Collected:	5/2/2018 12:00:00 AM
Project:	LB95114	Date Received:	5/2/2018 12:00:00 AM
Client Sample ID:	FK-PS-01-024	SDG No.:	LB95114
Lab Sample ID:	J2699-01	Matrix:	Solid
Level (low/med):	low	% Solid:	89.2

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: LB95114

SDG No.: LB95114

Contract: \_\_\_\_\_ Lab Code: CHEM

Case No.: LB95114

SAS No.: LB95114

Initial Calibration Source: \_\_\_\_\_

Continuing Calibration Source: \_\_\_\_\_

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Sample ID	Analyte	Result mg/L	True Value	% Recovery	Qual	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV1	Ammonia as N	0.97	1	97		90 - 110		05/04/2018	09:24	lb95114

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## GENCHEM

- 2a -

### INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB95114

SDG No.: LB95114

Contract: \_\_\_\_\_

Lab Code: CHEM

Case No.: LB95114

SAS No.: LB95114

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		05/04/2018	09:24	lb95114
CCV2	Ammonia as N	0.95	1	95		90 - 110		05/04/2018	09:49	lb95114



**GENCHEM**

**- 3a -**

**INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY**

**Client:** LB95114 **SDG No.:** LB95114  
**Contract:**                      **Lab Code:** CHEM **Case No.:** LB95114 **SAS No.:** LB95114

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Ammonia as N	0.013	+/-0.1	U		0.1		05/04/2018	09:24	lb95114



**GENCHEM**

- 3a -

### INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

**Client:** LB95114

SDG No.: LB95114

**Contract:**

**Lab Code:** CHEM

**Case No.:** LB95114

**SAS No.:** LB95114

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Ammonia as N	0.017	+/-0.1	U			0.1	05/04/2018	09:24	lb95114
CCB2	Ammonia as N	0.025	+/-0.1	U			0.1	05/04/2018	09:49	lb95114





GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB95114

SDG No.: LB95114

Contract: Lab Code: CHEM

Case No.: LB95114

SAS No.: LB95114

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:** LB95114

**SDG No.:** LB95114

**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
<b>PB108894BL</b>		<b>SOLID</b>		<b>Batch Number:</b>		<b>PB108894</b>		<b>Prep Date:</b>	<b>05/03/2018</b>	
	Ammonia as N	0.66	<4.9	U		4.9		05/04/2018	09:24	lb95114



GENCHEM  
- 5a -  
MATRIX SPIKE SUMMARY

client: LB95114 level: low sdg no.: LB95114  
contract: lab code: CHEM case no.: LB95114 sas no.: LB95114  
matrix: Solid sample id: J2696-01 client id: FK-PS-01.024MS  
Percent Solids for Sample: 88.3 Spiked ID: J2696-01MS Percent Solids for Spike Sample: 88.3

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Ammonia as N	mg/Kg	75 - 125	63.1		10.3		55	96		



GENCHEM  
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MATRIX SPIKE DUPLICATE SUMMARY

client: LB95114 level: low sdg no.: LB95114  
contract: lab code: CHEM case no.: LB95114 sas no.: LB95114  
matrix: Solid sample id: J2696-01 client id: FK-PS-01.024MSD  
Percent Solids for Sample: 88.3 Spiked ID: J2696-01MSD Percent Solids for Spike Sample: 88.3

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Ammonia as N	mg/Kg	75 - 125	66.9		10.3		56.1	101		

# GENCHEM

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## DUPLICATE SAMPLE SUMMARY

**Client:** LB95114      **Level:** LOW      **SDG No.:** LB95114  
**Contract:**                           **Lab Code:** CHEM      **Case No.:** LB95114      **SAS No.:** LB95114  
**Matrix:** Solid      **Sample ID:** J2696-01      **Client ID:** FK-PS-01.024DUP  
**Percent Solids for Sample:** 88.3      **Duplicate ID** J2696-01DUP      **Percent Solids for Spike Sample:** 88.3

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Ammonia as N	mg/Kg	20	10.3		10.4		1		

# GENCHEM

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## DUPLICATE SAMPLE SUMMARY

**Client:** LB95114      **Level:** LOW      **SDG No.:** LB95114  
**Contract:**                           **Lab Code:** CHEM      **Case No.:** LB95114      **SAS No.:** LB95114  
**Matrix:** Solid      **Sample ID:** J2696-01MS      **Client ID:** FK-PS-01.024MSD  
**Percent Solids for Sample:** 88.3      **Duplicate ID** J2696-01MSD      **Percent Solids for Spike Sample:** 88.3

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Ammonia as N	mg/Kg	20	63.1		66.9		6		



GENCHEM

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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB95114

SDG No.: LB95114

Contract:

Lab Code: CHEM

Case No.: LB95114

SAS No.: LB95114

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB108894BS Ammonia as N	mg/Kg	50	47		94	80 - 120	