

Daily Analysis Runlog For Sequence/QC Batch ID # LB95789

Review By		Review On				
SubDirectory		LB95789		Test : Ammonia		
STD. NAME		STD REF.#				
ICAL Standard		WP64992				
ICV Standard		WP64994				
CCV Standard		WP64993				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP64988				
Chk Standard		WP61582,WP64528,WP64526,WP64527				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.1PPM	0.1PPM	CAL1	06/04/18 08:12		OK
2	0.2PPM	0.2PPM	CAL2	06/04/18 08:12		OK
3	0.4PPM	0.4PPM	CAL3	06/04/18 08:12		OK
4	1.0PPM	1.0PPM	CAL4	06/04/18 08:12		OK
5	1.3PPM	1.3PPM	CAL5	06/04/18 08:12		OK
6	2.0PPM	2.0PPM	CAL6	06/04/18 08:12		OK
7	ICV1	ICV1	ICV	06/04/18 08:39		OK
8	ICB1	ICB1	ICB	06/04/18 08:39		OK
9	CCV1	CCV1	CCV	06/04/18 08:39		OK
10	CCB1	CCB1	CCB	06/04/18 08:39		OK
11	PB109898BL	PB109898BL	MB	06/04/18 08:39		OK
12	PB109898BS	PB109898BS	LCS	06/04/18 08:39		OK
13	J3228-01	FK-PS-01-028	SAM	06/04/18 08:39		OK
14	J3228-01DUP	FK-PS-01-028DUP	DUP	06/04/18 08:39		OK
15	J3228-01MS	FK-PS-01-028MS	MS	06/04/18 08:39		OK
16	J3228-01MSD	FK-PS-01-028MSD	MSD	06/04/18 08:39		OK
17	CCV2	CCV2	CCV	06/04/18 08:39		OK
18	CCB2	CCB2	CCB	06/04/18 08:39		OK

Report of Analysis

Client:		Date Collected:	5/30/2018 12:00:00 AM
Project:	LB95789	Date Received:	5/31/2018 12:00:00 AM
Client Sample ID:	FK-PS-01-028	SDG No.:	LB95789
Lab Sample ID:	J3228-01	Matrix:	Solid
Level (low/med):	low	% Solid:	93.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Ammonia as N	14.2		1	1.7		5.1	mg/Kg	06/01/2018	06/04/2018	SM4500-NH3



Report of Analysis

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Lab Sample ID:	J3228-01	Matrix:	Solid
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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: LB95789

SDG No.: LB95789

Contract: _____ Lab Code: CHEM

Case No.: LB95789

SAS No.: LB95789

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		06/04/2018	08:39	LB95789



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- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB95789

SDG No.: LB95789

Contract: _____ Lab Code: CHEM

Case No.: LB95789

SAS No.: LB95789

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	0.95	1	95		90 - 110		06/04/2018	08:39	LB95789
CCV2	Ammonia as N	1	1	100		90 - 110		06/04/2018	08:39	LB95789



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB95789

SDG No.: LB95789

Contract:

Lab Code: CHEM

Case No.: LB95789

SAS No.: LB95789

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Ammonia as N	0.017	+/-0.1	U			0.1	06/04/2018	08:39	LB95789



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB95789

SDG No.: LB95789

Contract:

Lab Code: CHEM

Case No.: LB95789

SAS No.: LB95789

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Ammonia as N	0.019	+/-0.1	U			0.1	06/04/2018	08:39	LB95789
CCB2	Ammonia as N	0.013	+/-0.1	U			0.1	06/04/2018	08:39	LB95789



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB95789

SDG No.: LB95789

Contract: Lab Code: CHEM

Case No.: LB95789

SAS No.: LB95789

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: LB95789

SDG No.: LB95789

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
PB109898BL		SOLID		Batch Number:		PB109898		Prep Date:	06/01/2018	
	Ammonia as N	0.67	<4.9	U		4.9		06/04/2018	08:39	LB95789



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- 5a -
MATRIX SPIKE SUMMARY

client: LB95789 level: low sdg no.: LB95789
contract: lab code: CHEM case no.: LB95789 sas no.: LB95789
matrix: Solid sample id: J3228-01 client id: FK-PS-01-028MS
Percent Solids for Sample: 93.7 Spiked ID: J3228-01MS Percent Solids for Spike Sample: 93.7

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Ammonia as N	mg/Kg	75 - 125	69		14.2		51.8	106		



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB95789 level: low sdg no.: LB95789
contract: lab code: CHEM case no.: LB95789 sas no.: LB95789
matrix: Solid sample id: J3228-01 client id: FK-PS-01-028MSD
Percent Solids for Sample: 93.7 Spiked ID: J3228-01MSD Percent Solids for Spike Sample: 93.7

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Ammonia as N	mg/Kg	75 - 125	67.8		14.2		51.3	104		

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DUPLICATE SAMPLE SUMMARY

Client: LB95789 **Level:** LOW **SDG No.:** LB95789
Contract: **Lab Code:** CHEM **Case No.:** LB95789 **SAS No.:** LB95789
Matrix: Solid **Sample ID:** J3228-01 **Client ID:** FK-PS-01-028DUP
Percent Solids for Sample: 93.7 **Duplicate ID** J3228-01DUP **Percent Solids for Spike Sample:** 93.7

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Ammonia as N	mg/Kg	20	14.2		14.8		4		

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DUPLICATE SAMPLE SUMMARY

Client: LB95789 **Level:** LOW **SDG No.:** LB95789
Contract: **Lab Code:** CHEM **Case No.:** LB95789 **SAS No.:** LB95789
Matrix: Solid **Sample ID:** J3228-01MS **Client ID:** FK-PS-01-028MSD
Percent Solids for Sample: 93.7 **Duplicate ID** J3228-01MSD **Percent Solids for Spike Sample:** 93.7

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Ammonia as N	mg/Kg	20	69		67.8		2		



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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB95789

SDG No.: LB95789

Contract:

Lab Code: CHEM

Case No.: LB95789

SAS No.: LB95789

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB109898BS Ammonia as N	mg/Kg	49.5	50.1		101.2	80 - 120	