

Daily Analysis Runlog For Sequence/QC Batch ID # LB88306

Review By		Review On				
SubDirectory		LB88306		Test : Ammonia		

STD. NAME	STD REF.#
ICAL Standard	WP55888
ICV Standard	WP55890
CCV Standard	WP55889
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP55717
Chk Standard	WP54309,WP55755,WP55837,WP55383

Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.1PPM	0.1PPM	CAL1	06/23/17 10:10		OK
2	0.2PPM	0.2PPM	CAL2	06/23/17 10:10		OK
3	0.4PPM	0.4PPM	CAL3	06/23/17 10:10		OK
4	1.0PPM	1.0PPM	CAL4	06/23/17 10:10		OK
5	1.3PPM	1.3PPM	CAL5	06/23/17 10:10		OK
6	2.0PPM	2.0PPM	CAL6	06/23/17 10:10		OK
7	ICV1	ICV1	ICV	06/23/17 10:41		OK
8	ICB1	ICB1	ICB	06/23/17 10:41		OK
9	CCV1	CCV1	CCV	06/23/17 10:41		OK
10	CCB1	CCB1	CCB	06/23/17 10:41		OK
11	PB100055BL	PB100055BL	MB	06/23/17 10:41		OK
12	PB100055BS	PB100055BS	LCS	06/23/17 10:41		OK
13	I3844-01	FK-PS-01-008	SAM	06/23/17 10:41		OK
14	I3844-01DUP	FK-PS-01-008DUP	DUP	06/23/17 10:41		OK
15	I3844-01MS	FK-PS-01-008MS	MS	06/23/17 10:41		OK
16	I3844-01MSD	FK-PS-01-008MSD	MSD	06/23/17 10:41		OK
17	CCV2	CCV2	CCV	06/23/17 10:41		OK
18	CCB2	CCB2	CCB	06/23/17 10:42		OK



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Report of Analysis

Client:		Date Collected:	6/21/2017 12:00:00 AM
Project:	LB88306	Date Received:	6/21/2017 12:00:00 AM
Client Sample ID:	FK-PS-01-008	SDG No.:	LB88306
Lab Sample ID:	I3844-01	Matrix:	Solid
Level (low/med):	low	% Solid:	89.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Ammonia as N	21.5		1	1.8		5.4	mg/Kg	06/22/2017	06/23/2017	SM4500-NH3



Report of Analysis

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Project:	LB88306	Date Received:	6/21/2017 12:00:00 AM
Client Sample ID:	FK-PS-01-008	SDG No.:	LB88306
Lab Sample ID:	I3844-01	Matrix:	Solid
Level (low/med):	low	% Solid:	89.5

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: LB88306

SDG No.: LB88306

Contract: _____

Lab Code: CHEM

Case No.: LB88306

SAS No.: LB88306

Initial Calibration Source: _____

Continuing Calibration Source: _____

Sample ID	Analyte	Result mg/L	True Value	% Recovery	% RSD	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV1	Ammonia as N	1	1	100	0	90 - 110		06/23/2017	10:41	LB88306



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- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB88306

SDG No.: LB88306

Contract: _____ Lab Code: CHEM

Case No.: LB88306

SAS No.: LB88306

Initial Calibration Source: _____

Continuing Calibration Source: _____

Sample ID	Analyte	Result mg/L	True Value	% Recovery	% RSD	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV1	Ammonia as N	1	1	100	0	90 - 110		06/23/2017	10:41	LB88306
CCV2	Ammonia as N	0.99	1	99	0	90 - 110		06/23/2017	10:41	LB88306



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB88306

SDG No.: LB88306

Contract:

Lab Code: CHEM

Case No.: LB88306

SAS No.: LB88306

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Ammonia as N	0.058	+/-0.1	J		0.1		06/23/2017	10:41	LB88306



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB88306

SDG No.: LB88306

Contract:

Lab Code: CHEM

Case No.: LB88306

SAS No.: LB88306

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Ammonia as N	0.053	+/-0.1	J			0.1	06/23/2017	10:41	LB88306
CCB2	Ammonia as N	0.046	+/-0.1	J			0.1	06/23/2017	10:42	LB88306



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB88306

SDG No.: LB88306

Contract: Lab Code: CHEM

Case No.: LB88306

SAS No.: LB88306

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: LB88306

SDG No.: LB88306

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
PB100055BL	Ammonia as N	SOLID 2.6	<4.9	Batch Number: J		PB100055 4.9		Prep Date: 06/23/2017	06/22/2017 10:41	LB88306



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- 5a -
MATRIX SPIKE SUMMARY

client: LB88306 level: low sdg no.: LB88306
contract: lab code: CHEM case no.: LB88306 sas no.: LB88306
matrix: Solid sample id: I3844-01 client id: FK-PS-01-008MS
Percent Solids for Sample: 89.5 Spiked ID: I3844-01MS Percent Solids for Spike Sample: 89.5

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Ammonia as N	mg/Kg	75 - 125	72.1		21.5		54.8	92		



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- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB88306 level: low sdg no.: LB88306
contract: lab code: CHEM case no.: LB88306 sas no.: LB88306
matrix: Solid sample id: I3844-01 client id: FK-PS-01-008MSD
Percent Solids for Sample: 89.5 Spiked ID: I3844-01MSD Percent Solids for Spike Sample: 89.5

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Ammonia as N	mg/Kg	75 - 125	71.4		21.5		54.8	91		

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- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB88306 **Level:** LOW **SDG No.:** LB88306
Contract: **Lab Code:** CHEM **Case No.:** LB88306 **SAS No.:** LB88306
Matrix: Solid **Sample ID:** I3844-01 **Client ID:** FK-PS-01-008DUP
Percent Solids for Sample: 89.5 **Duplicate ID** I3844-01DUP **Percent Solids for Spike Sample:** 89.5

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Ammonia as N	mg/Kg	20	21.5		22		2		

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- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB88306 Level: LOW SDG No.: LB88306
Contract: _____ Lab Code: CHEM Case No.: LB88306 SAS No.: LB88306
Matrix: Solid Sample ID: I3844-01MS Client ID: FK-PS-01-008MSD
Percent Solids for Sample: 89.5 Duplicate ID I3844-01MSD Percent Solids for Spike Sample: 89.5

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Ammonia as N	mg/Kg	20	72.1		71.4		1		



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- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: LB88306

SDG No.: LB88306

Contract:

Lab Code: CHEM

Case No.: LB88306

SAS No.: LB88306

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB100055BS Ammonia as N	mg/Kg	48.5	48.7		100.4	80 - 120	