

Daily Analysis Runlog For Sequence/QC Batch ID # LB88015

Review By		Review On				
SubDirectory		LB88015		Test : Ammonia		
STD. NAME		STD REF.#				
ICAL Standard		WP55556				
ICV Standard		WP55558				
CCV Standard		WP55557				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP55368				
Chk Standard		WP54309,WP55006,WP66095,WP55096				

Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.1PPM	0.1PPM	CAL1	06/12/17 09:06		OK
2	0.2PPM	0.2PPM	CAL2	06/12/17 09:06		OK
3	0.4PPM	0.4PPM	CAL3	06/12/17 09:06		OK
4	1.0PPM	1.0PPM	CAL4	06/12/17 09:06		OK
5	1.3PPM	1.3PPM	CAL5	06/12/17 09:07		OK
6	2.0PPM	2.0PPM	CAL6	06/12/17 09:07		OK
7	ICV1	ICV1	ICV	06/12/17 09:35		OK
8	ICB1	ICB1	ICB	06/12/17 09:35		OK
9	CCV1	CCV1	CCV	06/12/17 09:35		OK
10	CCB1	CCB1	CCB	06/12/17 09:35		OK
11	PB99644BL	PB99644BL	MB	06/12/17 09:35		OK
12	PB99644BS	PB99644BS	LCS	06/12/17 09:35		OK
13	I3567-01	FK-PS-01-006	SAM	06/12/17 09:35		OK
14	I3567-01DUP	FK-PS-01-006DUP	DUP	06/12/17 09:36		OK
15	I3567-01MS	FK-PS-01-006MS	MS	06/12/17 09:36		OK
16	I3567-01MSD	FK-PS-01-006MSD	MSD	06/12/17 09:36		OK
17	CCV2	CCV2	CCV	06/12/17 09:36		OK
18	CCB2	CCB2	CCB	06/12/17 09:36		OK



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Report of Analysis

Client:		Date Collected:	6/8/2017 12:00:00 AM
Project:	LB88015	Date Received:	6/8/2017 12:00:00 AM
Client Sample ID:	FK-PS-01-006	SDG No.:	LB88015
Lab Sample ID:	I3567-01	Matrix:	Solid
Level (low/med):	low	% Solid:	88.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Ammonia as N	12.3		1	1.9		5.5	mg/Kg	06/09/2017	06/12/2017	SM4500-NH3



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Level (low/med):	low	% Solid:	88.4

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



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- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB88015

SDG No.: LB88015

Contract: _____

Lab Code: CHEM

Case No.: LB88015

SAS No.: LB88015

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	0.91	1	91	0	90 - 110		06/12/2017	09:35	LB88015



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- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB88015

SDG No.: LB88015

Contract: _____ Lab Code: CHEM

Case No.: LB88015

SAS No.: LB88015

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	0.94	1	94	0	90 - 110		06/12/2017	09:35	LB88015
CCV2	Ammonia as N	0.94	1	94	0	90 - 110		06/12/2017	09:36	LB88015



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB88015

SDG No.: LB88015

Contract:

Lab Code: CHEM

Case No.: LB88015

SAS No.: LB88015

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Ammonia as N	0.022	+/-0.1	U			0.1	06/12/2017	09:35	LB88015

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Ammonia as N	0.021	+/-0.1	U			0.1	06/12/2017	09:35	LB88015
CCB2	Ammonia as N	0.028	+/-0.1	U			0.1	06/12/2017	09:36	LB88015



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB88015

SDG No.: LB88015

Contract: Lab Code: CHEM

Case No.: LB88015

SAS No.: LB88015

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
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PREPARATION BLANK SUMMARY

Client: LB88015

SDG No.: LB88015

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
PB99644BL	Ammonia as N	SOLID 1.2	<4.9	Batch Number: U		PB99644 4.9		Prep Date: 06/12/2017	06/09/2017 09:35	LB88015



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- 5a -
MATRIX SPIKE SUMMARY

client: LB88015 level: low sdg no.: LB88015
contract: lab code: CHEM case no.: LB88015 sas no.: LB88015
matrix: Solid sample id: I3567-01 client id: FK-PS-01-006MS
Percent Solids for Sample: 88.4 Spiked ID: I3567-01MS Percent Solids for Spike Sample: 88.4

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Ammonia as N	mg/Kg	75 - 125	61.8		12.3		55.5	89		



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- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB88015 level: low sdg no.: LB88015
contract: lab code: CHEM case no.: LB88015 sas no.: LB88015
matrix: Solid sample id: I3567-01 client id: FK-PS-01-006MSD
Percent Solids for Sample: 88.4 Spiked ID: I3567-01MSD Percent Solids for Spike Sample: 88.4

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Ammonia as N	mg/Kg	75 - 125	59.8		12.3		54.9	87		

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DUPLICATE SAMPLE SUMMARY

Client: LB88015 **Level:** LOW **SDG No.:** LB88015
Contract: **Lab Code:** CHEM **Case No.:** LB88015 **SAS No.:** LB88015
Matrix: Solid **Sample ID:** I3567-01 **Client ID:** FK-PS-01-006DUP
Percent Solids for Sample: 88.4 **Duplicate ID** I3567-01DUP **Percent Solids for Spike Sample:** 88.4

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Ammonia as N	mg/Kg	20	12.3		12.4		1		

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DUPLICATE SAMPLE SUMMARY

Client: LB88015 **Level:** LOW **SDG No.:** LB88015
Contract: **Lab Code:** CHEM **Case No.:** LB88015 **SAS No.:** LB88015
Matrix: Solid **Sample ID:** I3567-01MS **Client ID:** FK-PS-01-006MSD
Percent Solids for Sample: 88.4 **Duplicate ID** I3567-01MSD **Percent Solids for Spike Sample:** 88.4

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Ammonia as N	mg/Kg	20	61.8		59.8		3		



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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB88015 SDG No.: LB88015
Contract: Lab Code: CHEM Case No.: LB88015 SAS No.: LB88015

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB99644BS Ammonia as N	mg/Kg	48.5	44.6		92	80 - 120	