

Daily Analysis Runlog For Sequence/QC Batch ID # LB87746

Review By		Review On				
SubDirectory		LB87746		Test : Ammonia		
STD. NAME		STD REF.#				
ICAL Standard		WP55260				
ICV Standard		WP55261				
CCV Standard		WP55262				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP55079				
Chk Standard		WP54309,WP55006,WP66095,WP55096				

Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.1PPM	0.1PPM	CAL1	05/26/17 09:53		OK
2	0.2PPM	0.2PPM	CAL2	05/26/17 09:53		OK
3	0.4PPM	0.4PPM	CAL3	05/26/17 09:53		OK
4	1.0PPM	1.0PPM	CAL4	05/26/17 09:53		OK
5	1.3PPM	1.3PPM	CAL5	05/26/17 09:53		OK
6	2.0PPM	2.0PPM	CAL6	05/26/17 09:53		OK
7	ICV1	ICV1	ICV	05/26/17 16:14		OK
8	ICB1	ICB1	ICB	05/26/17 16:14		OK
9	CCV1	CCV1	CCV	05/26/17 16:14		OK
10	CCB1	CCB1	CCB	05/26/17 16:14		OK
11	PB99335BL	PB99335BL	MB	05/26/17 16:23		OK
12	PB99335BS	PB99335BS	LCS	05/26/17 16:23		OK
13	I3366-01	FK-PS-01-004	SAM	05/26/17 16:24		OK
14	I3366-01DUP	FK-PS-01-004DUP	DUP	05/26/17 16:24		OK
15	I3366-01MS	FK-PS-01-004MS	MS	05/26/17 16:24		OK
16	I3366-01MSD	FK-PS-01-004MSD	MSD	05/26/17 16:24		OK
17	CCV2	CCV2	CCV	05/26/17 16:24		OK
18	CCB2	CCB2	CCB	05/26/17 16:24		OK

Report of Analysis

Client:		Date Collected:	5/25/2017 12:00:00 AM
Project:	LB87746	Date Received:	5/25/2017 12:00:00 AM
Client Sample ID:	FK-PS-01-004	SDG No.:	LB87746
Lab Sample ID:	I3366-01	Matrix:	Solid
Level (low/med):	low	% Solid:	88.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Ammonia as N	15.8		1	1.9		5.5	mg/Kg	05/26/2017	05/26/2017	SM4500-NH3



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Report of Analysis

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Client Sample ID:	FK-PS-01-004	SDG No.:	LB87746
Lab Sample ID:	I3366-01	Matrix:	Solid
Level (low/med):	low	% Solid:	88.5

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

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB87746

SDG No.: LB87746

Contract: _____ Lab Code: CHEM

Case No.: LB87746

SAS No.: LB87746

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		05/26/2017	16:14	LB87746
CCV2	Ammonia as N	0.97	1	97	0	90 - 110		05/26/2017	16:24	LB87746



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB87746

SDG No.: LB87746

Contract:

Lab Code: CHEM

Case No.: LB87746

SAS No.: LB87746

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Ammonia as N	0.033	+/-0.1	U			0.1	05/26/2017	16:14	LB87746



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB87746

SDG No.: LB87746

Contract:

Lab Code: CHEM

Case No.: LB87746

SAS No.: LB87746

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Ammonia as N	0.031	+/-0.1	U			0.1	05/26/2017	16:14	LB87746
CCB2	Ammonia as N	-0.034	+/-0.1	U			0.1	05/26/2017	16:24	LB87746



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB87746

SDG No.: LB87746

Contract: Lab Code: CHEM

Case No.: LB87746

SAS No.: LB87746

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: LB87746

SDG No.: LB87746

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
PB99335BL	Ammonia as N	SOLID -0.99	<4.9	Batch Number: U		PB99335 4.9		Prep Date: 05/26/2017	05/26/2017 16:23	LB87746



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- 5a -
MATRIX SPIKE SUMMARY

client: LB87746 level: low sdg no.: LB87746
contract: lab code: CHEM case no.: LB87746 sas no.: LB87746
matrix: Solid sample id: I3366-01 client id: FK-PS-01-004MS
Percent Solids for Sample: 88.5 Spiked ID: I3366-01MS Percent Solids for Spike Sample: 88.5

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Ammonia as N	mg/Kg	75 - 125	61.4		15.8		55.4	82		



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB87746 level: low sdg no.: LB87746
contract: lab code: CHEM case no.: LB87746 sas no.: LB87746
matrix: Solid sample id: I3366-01 client id: FK-PS-01-004MSD
Percent Solids for Sample: 88.5 Spiked ID: I3366-01MSD Percent Solids for Spike Sample: 88.5

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Ammonia as N	mg/Kg	75 - 125	60.7		15.8		54.9	82		

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DUPLICATE SAMPLE SUMMARY

Client: LB87746 **Level:** LOW **SDG No.:** LB87746
Contract: **Lab Code:** CHEM **Case No.:** LB87746 **SAS No.:** LB87746
Matrix: Solid **Sample ID:** I3366-01 **Client ID:** FK-PS-01-004DUP
Percent Solids for Sample: 88.5 **Duplicate ID** I3366-01DUP **Percent Solids for Spike Sample:** 88.5

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Ammonia as N	mg/Kg	20	15.8		16.3		3		

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DUPLICATE SAMPLE SUMMARY

Client: LB87746 **Level:** LOW **SDG No.:** LB87746
Contract: **Lab Code:** CHEM **Case No.:** LB87746 **SAS No.:** LB87746
Matrix: Solid **Sample ID:** I3366-01MS **Client ID:** FK-PS-01-004MSD
Percent Solids for Sample: 88.5 **Duplicate ID** I3366-01MSD **Percent Solids for Spike Sample:** 88.5

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Ammonia as N	mg/Kg	20	61.4		60.7		1		



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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB87746

SDG No.: LB87746

Contract:

Lab Code: CHEM

Case No.: LB87746

SAS No.: LB87746

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB99335BS Ammonia as N	mg/Kg	48.5	47.3		97.5	80 - 120	