

Daily Analysis Runlog For Sequence/QC Batch ID # LB96173

Review By		Review On				
SubDirectory		LB96173		Test : Ammonia		

STD. NAME	STD REF.#
ICAL Standard	WP65487
ICV Standard	WP65489
CCV Standard	WP65488
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP65341
Chk Standard	WP61582,WP65293,WP65294,WP65292

Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.1PPM	0.1PPM	CAL1	06/21/18 08:24		OK
2	0.2PPM	0.2PPM	CAL2	06/21/18 08:24		OK
3	0.4PPM	0.4PPM	CAL3	06/21/18 08:24		OK
4	1.0PPM	1.0PPM	CAL4	06/21/18 08:24		OK
5	1.3PPM	1.3PPM	CAL5	06/21/18 08:24		OK
6	2.0PPM	2.0PPM	CAL6	06/21/18 08:24		OK
7	ICV1	ICV1	ICV	06/21/18 09:07		OK
8	ICB1	ICB1	ICB	06/21/18 09:07		OK
9	CCV1	CCV1	CCV	06/21/18 09:07		OK
10	CCB1	CCB1	CCB	06/21/18 09:07		OK
11	PB110445BL	PB110445BL	MB	06/21/18 09:07		OK
12	PB110445BS	PB110445BS	LCS	06/21/18 09:07		OK
13	J3606-01	FK-PS-01-030	SAM	06/21/18 09:07		OK
14	J3606-01DUP	FK-PS-01-030DUP	DUP	06/21/18 09:07		OK
15	J3606-01MS	FK-PS-01-030MS	MS	06/21/18 09:07		OK
16	J3606-01MSD	FK-PS-01-030MSD	MSD	06/21/18 09:07		OK
17	CCV2	CCV2	CCV	06/21/18 09:07		OK
18	CCB2	CCB2	CCB	06/21/18 09:07		OK



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Report of Analysis

Client:		Date Collected:	6/19/2018 12:00:00 AM
Project:	LB96173	Date Received:	6/19/2018 12:00:00 AM
Client Sample ID:	FK-PS-01-030	SDG No.:	LB96173
Lab Sample ID:	J3606-01	Matrix:	Solid
Level (low/med):	low	% Solid:	90.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Ammonia as N	8.9		1	1.8		5.4	mg/Kg	06/20/2018	06/21/2018	SM4500-NH3



Report of Analysis

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Project:	LB96173	Date Received:	6/19/2018 12:00:00 AM
Client Sample ID:	FK-PS-01-030	SDG No.:	LB96173
Lab Sample ID:	J3606-01	Matrix:	Solid
Level (low/med):	low	% Solid:	90.2

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: LB96173

SDG No.: LB96173

Contract: _____ Lab Code: CHEM

Case No.: LB96173

SAS No.: LB96173

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		06/21/2018	09:07	LB96173



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- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB96173

SDG No.: LB96173

Contract: _____ Lab Code: CHEM

Case No.: LB96173

SAS No.: LB96173

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	1	1	100		90 - 110		06/21/2018	09:07	LB96173
CCV2	Ammonia as N	0.99	1	99		90 - 110		06/21/2018	09:07	LB96173



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB96173

SDG No.: LB96173

Contract:

Lab Code: CHEM

Case No.: LB96173

SAS No.: LB96173

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Ammonia as N	0.039	+/-0.1	J			0.1	06/21/2018	09:07	LB96173



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB96173

SDG No.: LB96173

Contract:

Lab Code: CHEM

Case No.: LB96173

SAS No.: LB96173

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Ammonia as N	0.03	+/-0.1	U			0.1	06/21/2018	09:07	LB96173
CCB2	Ammonia as N	0.033	+/-0.1	U			0.1	06/21/2018	09:07	LB96173



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB96173

SDG No.: LB96173

Contract: Lab Code: CHEM

Case No.: LB96173

SAS No.: LB96173

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: LB96173

SDG No.: LB96173

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
PB110445BL	Ammonia as N	SOLID 1.4	<4.9	Batch Number: U		PB110445 4.9		Prep Date: 06/21/2018	06/20/2018 09:07	LB96173



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- 5a -
MATRIX SPIKE SUMMARY

client: LB96173 level: low sdg no.: LB96173
contract: lab code: CHEM case no.: LB96173 sas no.: LB96173
matrix: Solid sample id: J3606-01 client id: FK-PS-01-030MS
Percent Solids for Sample: 90.2 Spiked ID: J3606-01MS Percent Solids for Spike Sample: 90.2

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Ammonia as N	mg/Kg	75 - 125	51.3		8.9		54.9	77		



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB96173 level: low sdg no.: LB96173
contract: lab code: CHEM case no.: LB96173 sas no.: LB96173
matrix: Solid sample id: J3606-01 client id: FK-PS-01-030MSD
Percent Solids for Sample: 90.2 Spiked ID: J3606-01MSD Percent Solids for Spike Sample: 90.2

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Ammonia as N	mg/Kg	75 - 125	57.1		8.9		54.9	88		

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DUPLICATE SAMPLE SUMMARY

Client: LB96173 **Level:** LOW **SDG No.:** LB96173
Contract: **Lab Code:** CHEM **Case No.:** LB96173 **SAS No.:** LB96173
Matrix: Solid **Sample ID:** J3606-01 **Client ID:** FK-PS-01-030DUP
Percent Solids for Sample: 90.2 **Duplicate ID** J3606-01DUP **Percent Solids for Spike Sample:** 90.2

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Ammonia as N	mg/Kg	20	8.9		9.5		7		

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DUPLICATE SAMPLE SUMMARY

Client: LB96173 **Level:** LOW **SDG No.:** LB96173
Contract: **Lab Code:** CHEM **Case No.:** LB96173 **SAS No.:** LB96173
Matrix: Solid **Sample ID:** J3606-01MS **Client ID:** FK-PS-01-030MSD
Percent Solids for Sample: 90.2 **Duplicate ID** J3606-01MSD **Percent Solids for Spike Sample:** 90.2

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Ammonia as N	mg/Kg	20	51.3		57.1		11		



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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB96173

SDG No.: LB96173

Contract:

Lab Code: CHEM

Case No.: LB96173

SAS No.: LB96173

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB110445BS Ammonia as N	mg/Kg	49	50.2		102.4	80 - 120	