

Daily Analysis Runlog For Sequence/QC Batch ID # LB90056

Review By		Review On				
SubDirectory		LB90056		Test : Ammonia		

STD. NAME	STD REF.#
ICAL Standard	WP57080
ICV Standard	WP57881
CCV Standard	WP57882
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	WP57031,WP57459,WP57237,WP57238

Sr#	SampleId	ClientID	QcType	Date	Comment	Status
1	0.1PPM	0.1PPM	CAL1	09/13/17 09:29		OK
2	0.2PPM	0.2PPM	CAL2	09/13/17 09:29		OK
3	0.4PPM	0.4PPM	CAL3	09/13/17 09:29		OK
4	1.0PPM	1.0PPM	CAL4	09/13/17 09:29		OK
5	1.3PPM	1.3PPM	CAL5	09/13/17 09:29		OK
6	2.0PPM	2.0PPM	CAL6	09/13/17 09:29		OK
7	ICV1	ICV1	ICV	09/13/17 17:11		OK
8	ICB1	ICB1	ICB	09/13/17 17:11		OK
9	CCV1	CCV1	CCV	09/13/17 17:11		OK
10	CCB1	CCB1	CCB	09/13/17 17:11		OK
11	PB102321BL	PB102321BL	MB	09/13/17 17:11		OK
12	PB102321BS	PB102321BS	LCS	09/13/17 17:11		OK
13	I5219-01	FK-PS-01-015	SAM	09/13/17 17:19		OK
14	I5219-01DUP	FK-PS-01-015DUP	DUP	09/13/17 17:19		OK
15	I5219-01MS	FK-PS-01-015MS	MS	09/13/17 17:19		OK
16	I5219-01MSD	FK-PS-01-015MSD	MSD	09/13/17 17:19		OK
17	CCV2	CCV2	CCV	09/13/17 17:19		OK
18	CCB2	CCB2	CCB	09/13/17 17:19		OK



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Report of Analysis

Client:		Date Collected:	9/12/2017 12:00:00 AM
Project:	LB90056	Date Received:	9/12/2017 12:00:00 AM
Client Sample ID:	FK-PS-01-015	SDG No.:	LB90056
Lab Sample ID:	I5219-01	Matrix:	Solid
Level (low/med):	low	% Solid:	92.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Ammonia as N	17.4		1	1.8		5.3	mg/Kg	09/13/2017	09/13/2017	SM4500-NH3



Report of Analysis

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Project:	LB90056	Date Received:	9/12/2017 12:00:00 AM
Client Sample ID:	FK-PS-01-015	SDG No.:	LB90056
Lab Sample ID:	I5219-01	Matrix:	Solid
Level (low/med):	low	% Solid:	92.2

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: LB90056

SDG No.: LB90056

Contract: _____

Lab Code: CHEM

Case No.: LB90056

SAS No.: LB90056

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		09/13/2017	17:11	LB90056



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- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB90056

SDG No.: LB90056

Contract: _____ Lab Code: CHEM

Case No.: LB90056

SAS No.: LB90056

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	0.92	1	92	0	90 - 110		09/13/2017	17:11	LB90056
CCV2	Ammonia as N	1	1	100	0	90 - 110		09/13/2017	17:19	LB90056



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB90056 SDG No.: LB90056
Contract: Lab Code: CHEM Case No.: LB90056 SAS No.: LB90056

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Ammonia as N	0.087	+/-0.1	J			0.1	09/13/2017	17:11	LB90056



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB90056

SDG No.: LB90056

Contract:

Lab Code: CHEM

Case No.: LB90056

SAS No.: LB90056

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Ammonia as N	0.082	+/-0.1	J			0.1	09/13/2017	17:11	LB90056
CCB2	Ammonia as N	0.094	+/-0.1	J			0.1	09/13/2017	17:19	LB90056



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB90056

SDG No.: LB90056

Contract: Lab Code: CHEM

Case No.: LB90056

SAS No.: LB90056

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: LB90056

SDG No.: LB90056

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
PB102321BL	Ammonia as N	SOLID 4.2	<4.9	Batch Number: J		PB102321 4.9		Prep Date: 09/13/2017	09/13/2017 17:11	LB90056



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- 5a -
MATRIX SPIKE SUMMARY

client: LB90056 level: low sdg no.: LB90056
contract: lab code: CHEM case no.: LB90056 sas no.: LB90056
matrix: Solid sample id: I5219-01 client id: FK-PS-01-015MS
Percent Solids for Sample: 92.2 Spiked ID: I5219-01MS Percent Solids for Spike Sample: 92.2

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		17.4		53.2	83		



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- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB90056 level: low sdg no.: LB90056
contract: lab code: CHEM case no.: LB90056 sas no.: LB90056
matrix: Solid sample id: I5219-01 client id: FK-PS-01-015MSD
Percent Solids for Sample: 92.2 Spiked ID: I5219-01MSD Percent Solids for Spike Sample: 92.2

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Ammonia as N	mg/Kg	75 - 125	56.8		17.4		52.7	75		

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DUPLICATE SAMPLE SUMMARY

Client: LB90056 **Level:** LOW **SDG No.:** LB90056
Contract: **Lab Code:** CHEM **Case No.:** LB90056 **SAS No.:** LB90056
Matrix: Solid **Sample ID:** I5219-01 **Client ID:** FK-PS-01-015DUP
Percent Solids for Sample: 92.2 **Duplicate ID** I5219-01DUP **Percent Solids for Spike Sample:** 92.2

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Ammonia as N	mg/Kg	20	17.4		18.4		6		

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DUPLICATE SAMPLE SUMMARY

Client: LB90056 **Level:** LOW **SDG No.:** LB90056
Contract: **Lab Code:** CHEM **Case No.:** LB90056 **SAS No.:** LB90056
Matrix: Solid **Sample ID:** I5219-01MS **Client ID:** FK-PS-01-015MSD
Percent Solids for Sample: 92.2 **Duplicate ID** I5219-01MSD **Percent Solids for Spike Sample:** 92.2

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Ammonia as N	mg/Kg	20	61.8		56.8		8		



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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB90056

SDG No.: LB90056

Contract:

Lab Code: CHEM

Case No.: LB90056

SAS No.: LB90056

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB102321BS Ammonia as N	mg/Kg	48.5	44		90.7	80 - 120	