

Daily Analysis Runlog For Sequence/QC Batch ID # LB92647

Review By		Review On				
SubDirectory		LB92647		Test : Ammonia		
STD. NAME		STD REF.#				
ICAL Standard		WP61009				
ICV Standard		WP61011				
CCV Standard		WP61010				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP61003				
Chk Standard		WP57031,WP60781,WP60619,WP60620				
Sr#	SampleId	ClientID	QcType	Date	Comment	Status
1	0.1PPM	0.1PPM	CAL1	01/17/18 08:55		OK
2	0.2PPM	0.2PPM	CAL2	01/17/18 08:55		OK
3	0.4PPM	0.4PPM	CAL3	01/17/18 08:55		OK
4	1.0PPM	1.0PPM	CAL4	01/17/18 08:55		OK
5	1.3PPM	1.3PPM	CAL5	01/17/18 08:55		OK
6	2.0PPM	2.0PPM	CAL6	01/17/18 08:55		OK
7	ICV1	ICV1	ICV	01/17/18 11:30		OK
8	ICB1	ICB1	ICB	01/17/18 11:30		OK
9	CCV1	CCV1	CCV	01/17/18 11:30		OK
10	CCB1	CCB1	CCB	01/17/18 11:30		OK
11	PB105702BL	PB105702BL	MB	01/17/18 11:30		OK
12	PB105702BS	PB105702BS	LCS	01/17/18 11:30		OK
13	J1117-07	COMP-1	SAM	01/17/18 11:30		OK
14	J1117-07DUP	COMP-1DUP	DUP	01/17/18 11:30		OK
15	J1117-07MS	COMP-1MS	MS	01/17/18 11:38		OK
16	J1117-07MSD	COMP-1MSD	MSD	01/17/18 11:38		OK
17	J1117-12	COMP-2	SAM	01/17/18 11:38		OK
18	J1117-16	COMP-4	SAM	01/17/18 11:38		OK
19	J1117-21	COMP-3	SAM	01/17/18 11:38		OK
20	CCV2	CCV2	CCV	01/17/18 11:38		OK
21	CCB2	CCB2	CCB	01/17/18 11:38		OK



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Report of Analysis

Client:		Date Collected:	1/11/2018 12:00:00 AM
Project:	LB92647	Date Received:	1/12/2018 12:00:00 AM
Client Sample ID:	COMP-1	SDG No.:	LB92647
Lab Sample ID:	J1117-07	Matrix:	Solid
Level (low/med):	low	% Solid:	83.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Ammonia as N	18		1	2		5.8	mg/Kg	01/16/2018	01/17/2018	SM4500-NH3



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Report of Analysis

Client:		Date Collected:	1/11/2018 12:00:00 AM
Project:	LB92647	Date Received:	1/12/2018 12:00:00 AM
Client Sample ID:	COMP-2	SDG No.:	LB92647
Lab Sample ID:	J1117-12	Matrix:	Solid
Level (low/med):	low	% Solid:	76.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Ammonia as N	44.4		1	2.2		6.4	mg/Kg	01/16/2018	01/17/2018	SM4500-NH3



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Report of Analysis

Client:		Date Collected:	1/11/2018 12:00:00 AM
Project:	LB92647	Date Received:	1/12/2018 12:00:00 AM
Client Sample ID:	COMP-4	SDG No.:	LB92647
Lab Sample ID:	J1117-16	Matrix:	Solid
Level (low/med):	low	% Solid:	86.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Ammonia as N	26.7		1	1.9		5.7	mg/Kg	01/16/2018	01/17/2018	SM4500-NH3



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Report of Analysis

Client:		Date Collected:	1/11/2018 12:00:00 AM
Project:	LB92647	Date Received:	1/12/2018 12:00:00 AM
Client Sample ID:	COMP-3	SDG No.:	LB92647
Lab Sample ID:	J1117-21	Matrix:	Solid
Level (low/med):	low	% Solid:	84.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Ammonia as N	7.6		1	1.9		5.7	mg/Kg	01/16/2018	01/17/2018	SM4500-NH3



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Report of Analysis

Client:		Date Collected:	1/11/2018 12:00:00 AM
Project:	LB92647	Date Received:	1/12/2018 12:00:00 AM
Client Sample ID:	COMP-3	SDG No.:	LB92647
Lab Sample ID:	J1117-21	Matrix:	Solid
Level (low/med):	low	% Solid:	84.2

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: LB92647

SDG No.: LB92647

Contract: _____ Lab Code: CHEM

Case No.: LB92647

SAS No.: LB92647

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		01/17/2018	11:30	LB92647



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- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB92647

SDG No.: LB92647

Contract: _____ Lab Code: CHEM

Case No.: LB92647

SAS No.: LB92647

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	0.97	1	97	0	90 - 110		01/17/2018	11:30	LB92647
CCV2	Ammonia as N	0.99	1	99	0	90 - 110		01/17/2018	11:38	LB92647



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB92647

SDG No.: LB92647

Contract:

Lab Code: CHEM

Case No.: LB92647

SAS No.: LB92647

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Ammonia as N	0.011	+/-0.1	U			0.1	01/17/2018	11:30	LB92647



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB92647

SDG No.: LB92647

Contract:

Lab Code: CHEM

Case No.: LB92647

SAS No.: LB92647

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Ammonia as N	0.014	+/-0.1	U			0.1	01/17/2018	11:30	LB92647
CCB2	Ammonia as N	0.015	+/-0.1	U			0.1	01/17/2018	11:38	LB92647



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB92647

SDG No.: LB92647

Contract: Lab Code: CHEM

Case No.: LB92647

SAS No.: LB92647

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: LB92647

SDG No.: LB92647

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
PB105702BL		SOLID		Batch Number:		PB105702		Prep Date:	01/16/2018	
	Ammonia as N	0.57	<4.8	U		4.8		01/17/2018	11:30	LB92647



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- 5a -
MATRIX SPIKE SUMMARY

client: LB92647 level: low sdg no.: LB92647
contract: lab code: CHEM case no.: LB92647 sas no.: LB92647
matrix: Solid sample id: J1117-07 client id: COMP-1MS
Percent Solids for Sample: 83.9 Spiked ID: J1117-07MS Percent Solids for Spike Sample: 83.9

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Ammonia as N	mg/Kg	75 - 125	65.4		18		56.2	84		



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- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB92647 level: low sdg no.: LB92647
contract: lab code: CHEM case no.: LB92647 sas no.: LB92647
matrix: Solid sample id: J1117-07 client id: COMP-1MSD
Percent Solids for Sample: 83.9 Spiked ID: J1117-07MSD Percent Solids for Spike Sample: 83.9

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Ammonia as N	mg/Kg	75 - 125	67.5		18		57.9	85		

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DUPLICATE SAMPLE SUMMARY

Client: LB92647 **Level:** LOW **SDG No.:** LB92647
Contract: **Lab Code:** CHEM **Case No.:** LB92647 **SAS No.:** LB92647
Matrix: Solid **Sample ID:** J1117-07 **Client ID:** COMP-1DUP
Percent Solids for Sample: 83.9 **Duplicate ID** J1117-07DUP **Percent Solids for Spike Sample:** 83.9

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Ammonia as N	mg/Kg	20	18		18.5		3		

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DUPLICATE SAMPLE SUMMARY

Client: LB92647 **Level:** LOW **SDG No.:** LB92647
Contract: **Lab Code:** CHEM **Case No.:** LB92647 **SAS No.:** LB92647
Matrix: Solid **Sample ID:** J1117-07MS **Client ID:** COMP-1MSD
Percent Solids for Sample: 83.9 **Duplicate ID** J1117-07MSD **Percent Solids for Spike Sample:** 83.9

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Ammonia as N	mg/Kg	20	65.4		67.5		3		



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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB92647

SDG No.: LB92647

Contract:

Lab Code: CHEM

Case No.: LB92647

SAS No.: LB92647

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB105702BS Ammonia as N	mg/Kg	49	47.9		97.8	80 - 120	