

Daily Analysis Runlog For Sequence/QC Batch ID # LB94164

Review By		Review On				
SubDirectory		LB94164		Test : Ammonia		
STD. NAME		STD REF.#				
ICAL Standard		WP63062				
ICV Standard		WP63064				
CCV Standard		WP63063				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP62903				
Chk Standard		WP61582,WP62824,WP62827,WP62828				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.1PPM	0.1PPM	CAL1	03/27/18 08:31		OK
2	0.2PPM	0.2PPM	CAL2	03/27/18 08:31		OK
3	0.4PPM	0.4PPM	CAL3	03/27/18 08:31		OK
4	1.0PPM	1.0PPM	CAL4	03/27/18 08:31		OK
5	1.3PPM	1.3PPM	CAL5	03/27/18 08:31		OK
6	2.0PPM	2.0PPM	CAL6	03/27/18 08:31		OK
7	ICV1	ICV1	ICV	03/27/18 09:15		OK
8	ICB1	ICB1	ICB	03/27/18 09:15		OK
9	CCV1	CCV1	CCV	03/27/18 09:15		OK
10	CCB1	CCB1	CCB	03/27/18 09:15		OK
11	PB107672BL	PB107672BL	MB	03/27/18 09:15		OK
12	PB107672BS	PB107672BS	LCS	03/27/18 09:15		OK
13	J2047-01	C1-CARVER-HALL-F	SAM	03/27/18 09:15		OK
14	J2047-01DUP	C1-CARVER-HALL-F	DUP	03/27/18 09:15		OK
15	J2047-01MS	C1-CARVER-HALL-F	MS	03/27/18 09:15		OK
16	J2047-01MSD	C1-CARVER-HALL-F	MSD	03/27/18 09:15		OK
17	CCV2	CCV2	CCV	03/27/18 09:15		OK
18	CCB2	CCB2	CCB	03/27/18 09:15		OK



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Report of Analysis

Client:		Date Collected:	3/21/2018 12:00:00 AM
Project:	LB94164	Date Received:	3/23/2018 12:00:00 AM
Client Sample ID:	C1-CARVER-HALL-RCA	SDG No.:	LB94164
Lab Sample ID:	J2047-01	Matrix:	Solid
Level (low/med):	low	% Solid:	91.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Ammonia as N	5.6		1	1.8		5.3	mg/Kg	03/26/2018	03/27/2018	SM4500-NH3



Report of Analysis

Client:		Date Collected:	3/21/2018 12:00:00 AM
Project:	LB94164	Date Received:	3/23/2018 12:00:00 AM
Client Sample ID:	C1-CARVER-HALL-RCA	SDG No.:	LB94164
Lab Sample ID:	J2047-01	Matrix:	Solid
Level (low/med):	low	% Solid:	91.7

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: LB94164

SDG No.: LB94164

Contract: _____ Lab Code: CHEM

Case No.: LB94164

SAS No.: LB94164

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	0.93	1	93		90 - 110		03/27/2018	09:15	LB94164



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB94164

SDG No.: LB94164

Contract: _____ Lab Code: CHEM

Case No.: LB94164

SAS No.: LB94164

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	0.93	1	93		90 - 110		03/27/2018	09:15	LB94164
CCV2	Ammonia as N	0.91	1	91		90 - 110		03/27/2018	09:15	LB94164



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB94164

SDG No.: LB94164

Contract:

Lab Code: CHEM

Case No.: LB94164

SAS No.: LB94164

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Ammonia as N	0.014	+/-0.1	U		0.1		03/27/2018	09:15	LB94164



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB94164

SDG No.: LB94164

Contract:

Lab Code: CHEM

Case No.: LB94164

SAS No.: LB94164

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Ammonia as N	0.015	+/-0.1	U			0.1	03/27/2018	09:15	LB94164
CCB2	Ammonia as N	0.025	+/-0.1	U			0.1	03/27/2018	09:15	LB94164



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB94164

SDG No.: LB94164

Contract: Lab Code: CHEM

Case No.: LB94164

SAS No.: LB94164

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: LB94164

SDG No.: LB94164

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
PB107672BL		SOLID		Batch Number:		PB107672		Prep Date:	03/26/2018	
	Ammonia as N	0.72	<4.9	U		4.9		03/27/2018	09:15	LB94164



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- 5a -
MATRIX SPIKE SUMMARY

client: LB94164 level: low sdg no.: LB94164
contract: lab code: CHEM case no.: LB94164 sas no.: LB94164
matrix: Solid sample id: J2047-01 client id: C1-CARVER-HALL-RCAMS
Percent Solids for Sample: 91.7 Spiked ID: J2047-01MS Percent Solids for Spike Sample: 91.7

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Ammonia as N	mg/Kg	75 - 125	54.5		5.6		52.9	92		



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB94164 level: low sdg no.: LB94164
contract: lab code: CHEM case no.: LB94164 sas no.: LB94164
matrix: Solid sample id: J2047-01 client id: C1-CARVER-HALL-RCAMSD
Percent Solids for Sample: 91.7 Spiked ID: J2047-01MSD Percent Solids for Spike Sample: 91.7

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Ammonia as N	mg/Kg	75 - 125	55.2		5.6		54	92		

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DUPLICATE SAMPLE SUMMARY

Client: LB94164 **Level:** LOW **SDG No.:** LB94164
Contract: **Lab Code:** CHEM **Case No.:** LB94164 **SAS No.:** LB94164
Matrix: Solid **Sample ID:** J2047-01 **Client ID:** C1-CARVER-HALL-RCADUP
Percent Solids for Sample: 91.7 **Duplicate ID** J2047-01DUP **Percent Solids for Spike Sample:** 91.7

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Ammonia as N	mg/Kg	20	5.6		5.5		2		

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DUPLICATE SAMPLE SUMMARY

Client: LB94164 Level: LOW SDG No.: LB94164
Contract: _____ Lab Code: CHEM Case No.: LB94164 SAS No.: LB94164
Matrix: Solid Sample ID: J2047-01MS Client ID: C1-CARVER-HALL-RCAMSD
Percent Solids for Sample: 91.7 Duplicate ID J2047-01MSD Percent Solids for Spike Sample: 91.7

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Ammonia as N	mg/Kg	20	54.5		55.2		1		

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB107672BS							
Ammonia as N	mg/Kg	48.1	44.2		91.9	80 - 120	