

Daily Analysis Runlog For Sequence/QC Batch ID # LB88972

Review By		Review On				
SubDirectory		LB88972		Test : Ammonia		
STD. NAME		STD REF.#				
ICAL Standard		WP56635				
ICV Standard		WP56637				
CCV Standard		WP56636				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP56620				
Chk Standard		WP54309,WP56632,WP56633,WP56634				

Sr#	SampleId	ClientID	QcType	Date	Comment	Status
1	0.1PPM	0.1PPM	CAL1	07/25/17 08:35		OK
2	0.2PPM	0.2PPM	CAL2	07/25/17 08:35		OK
3	0.4PPM	0.4PPM	CAL3	07/25/17 08:35		OK
4	1.0PPM	1.0PPM	CAL4	07/25/17 08:35		OK
5	1.3PPM	1.3PPM	CAL5	07/25/17 08:35		OK
6	2.0PPM	2.0PPM	CAL6	07/25/17 08:35		OK
7	ICV1	ICV1	ICV	07/25/17 09:07		OK
8	ICB1	ICB1	ICB	07/25/17 09:07		OK
9	CCV1	CCV1	CCV	07/25/17 09:07		OK
10	CCB1	CCB1	CCB	07/25/17 09:07		OK
11	PB100911BL	PB100911BL	MB	07/25/17 09:07		OK
12	PB100911BS	PB100911BS	LCS	07/25/17 09:07		OK
13	I4354-03	265434-265578-COM	SAM	07/25/17 09:07		OK
14	I4354-03DUP	265434-265578-COM	DUP	07/25/17 09:07		OK
15	I4354-03MS	265434-265578-COM	MS	07/25/17 09:07		OK
16	I4354-03MSD	265434-265578-COM	MSD	07/25/17 09:07		OK
17	CCV2	CCV2	CCV	07/25/17 09:07		OK
18	CCB2	CCB2	CCB	07/25/17 09:07		OK



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Report of Analysis

Client:		Date Collected:	7/20/2017 12:00:00 AM
Project:	LB88972	Date Received:	7/20/2017 12:00:00 AM
Client Sample ID:	265434-265578-COMP	SDG No.:	LB88972
Lab Sample ID:	I4354-03	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Ammonia as N	0.34		1	0.034		0.1	mg/L	07/24/2017	07/25/2017	SM4500-NH3



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Lab Sample ID:	I4354-03	Matrix:	WATER
Level (low/med):	low	% Solid:	0

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: LB88972

SDG No.: LB88972

Contract: _____ Lab Code: CHEM

Case No.: LB88972

SAS No.: LB88972

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	0.93	1	93	0	90 - 110		07/25/2017	09:07	LB88972
CCV2	Ammonia as N	0.94	1	94	0	90 - 110		07/25/2017	09:07	LB88972



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB88972

SDG No.: LB88972

Contract:

Lab Code: CHEM

Case No.: LB88972

SAS No.: LB88972

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Ammonia as N	0.009	+/-0.1	U			0.1	07/25/2017	09:07	LB88972



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB88972

SDG No.: LB88972

Contract:

Lab Code: CHEM

Case No.: LB88972

SAS No.: LB88972

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Ammonia as N	0.065	+/-0.1	J			0.1	07/25/2017	09:07	LB88972
CCB2	Ammonia as N	0.009	+/-0.1	U			0.1	07/25/2017	09:07	LB88972



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB88972

SDG No.: LB88972

Contract: Lab Code: CHEM

Case No.: LB88972

SAS No.: LB88972

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: LB88972

SDG No.: LB88972

Instrument: Konelab 20

Sample ID	Analyte	Result (mg/L)	Acceptance Limit	Conc Qual	LOD mg/L	CRQL mg/L	M	Analysis Date	Analysis Time	Run
PB100911BL	Ammonia as N	WATER 0.012	<0.1	Batch Number: U		PB100911 0.1		Prep Date: 07/25/2017	07/24/2017 09:07	LB88972



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- 5a -
MATRIX SPIKE SUMMARY

client: LB88972 level: low sdg no.: LB88972
contract: lab code: CHEM case no.: LB88972 sas no.: LB88972
matrix: WATER sample id: I4354-03 client id: 265434-265578-COMPMS
Percent Solids for Sample: 0 Spiked ID: I4354-03MS Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Ammonia as N	mg/L	75 - 125	1.3		0.34		1	96		



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- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB88972 level: low sdg no.: LB88972
contract: lab code: CHEM case no.: LB88972 sas no.: LB88972
matrix: WATER sample id: I4354-03 client id: 265434-265578-COMPMSD
Percent Solids for Sample: 0 Spiked ID: I4354-03MSD Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Ammonia as N	mg/L	75 - 125	1.2		0.34		1	86		

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DUPLICATE SAMPLE SUMMARY

Client: LB88972 **Level:** LOW **SDG No.:** LB88972
Contract: **Lab Code:** CHEM **Case No.:** LB88972 **SAS No.:** LB88972
Matrix: WATER **Sample ID:** I4354-03 **Client ID:** 265434-265578-COMPDUP
Percent Solids for Sample: 0 **Duplicate ID** I4354-03DUP **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Ammonia as N	mg/L	20	0.34		0.32		6		

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DUPLICATE SAMPLE SUMMARY

Client: LB88972 **Level:** LOW **SDG No.:** LB88972
Contract: **Lab Code:** CHEM **Case No.:** LB88972 **SAS No.:** LB88972
Matrix: WATER **Sample ID:** I4354-03MS **Client ID:** 265434-265578-COMPMSD
Percent Solids for Sample: 0 **Duplicate ID** I4354-03MSD **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Ammonia as N	mg/L	20	1.3		1.2		8		



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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB88972

SDG No.: LB88972

Contract:

Lab Code: CHEM

Case No.: LB88972

SAS No.: LB88972

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB100911BS Ammonia as N	mg/L	1	0.98		98	80 - 120	