

Daily Analysis Runlog For Sequence/QC Batch ID # LB92346

Review By		Review On				
SubDirectory		LB92346		Test : Ammonia		
STD. NAME		STD REF.#				
ICAL Standard		WP60532				
ICV Standard		WP60534				
CCV Standard		WP60533				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP60507				
Chk Standard		WP57031,WP60149,WP59925,WP59926				
Sr#	SampleId	ClientID	QcType	Date	Comment	Status
1	0.1PPM	0.1PPM	CAL1	12/22/17 08:27		OK
2	0.2PPM	0.2PPM	CAL2	12/22/17 08:27		OK
3	0.4PPM	0.4PPM	CAL3	12/22/17 08:27		OK
4	1.0PPM	1.0PPM	CAL4	12/22/17 08:27		OK
5	1.3PPM	1.3PPM	CAL5	12/22/17 08:27		OK
6	2.0PPM	2.0PPM	CAL6	12/22/17 08:27		OK
7	ICV1	ICV1	ICV	12/22/17 10:08		OK
8	ICB1	ICB1	ICB	12/22/17 10:08		OK
9	CCV1	CCV1	CCV	12/22/17 10:08		OK
10	CCB1	CCB1	CCB	12/22/17 10:08		OK
11	PB105262BL	PB105262BL	MB	12/22/17 10:08		OK
12	PB105262BS	PB105262BS	LCS	12/22/17 10:08		OK
13	I7011-02	MW-1-121917	SAM	12/22/17 10:08		OK
14	I7011-02DUP	MW-1-121917DUP	DUP	12/22/17 10:08		OK
15	I7011-02MS	MW-1-121917MS	MS	12/22/17 10:08		OK
16	I7011-02MSD	MW-1-121917MSD	MSD	12/22/17 10:08		OK
17	I7011-03	MW-2-121917	SAM	12/22/17 10:08		OK
18	I7011-05	SVMP-121917	SAM	12/22/17 10:08		OK
19	I7011-06	MW-8S-121917	SAM	12/22/17 10:13		OK
20	CCV2	CCV2	CCV	12/22/17 10:13		OK
21	CCB2	CCB2	CCB	12/22/17 10:13		OK



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Report of Analysis

Client:		Date Collected:	12/19/2017 12:00:00 AM
Project:	LB92346	Date Received:	12/20/2017 12:00:00 AM
Client Sample ID:	MW-1-121917	SDG No.:	LB92346
Lab Sample ID:	I7011-02	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	0.49		1	0.034		0.1	mg/L	12/21/2017	12/22/2017	SM4500-NH3



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Report of Analysis

Client:		Date Collected:	12/19/2017 12:00:00 AM
Project:	LB92346	Date Received:	12/20/2017 12:00:00 AM
Client Sample ID:	MW-2-121917	SDG No.:	LB92346
Lab Sample ID:	I7011-03	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	0.14		1	0.034		0.1	mg/L	12/21/2017	12/22/2017	SM4500-NH3



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Report of Analysis

Client:		Date Collected:	12/19/2017 12:00:00 AM
Project:	LB92346	Date Received:	12/20/2017 12:00:00 AM
Client Sample ID:	SVMP-121917	SDG No.:	LB92346
Lab Sample ID:	I7011-05	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	0.56		1	0.034		0.1	mg/L	12/21/2017	12/22/2017	SM4500-NH3



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Report of Analysis

Client:		Date Collected:	12/19/2017 12:00:00 AM
Project:	LB92346	Date Received:	12/20/2017 12:00:00 AM
Client Sample ID:	MW-8S-121917	SDG No.:	LB92346
Lab Sample ID:	I7011-06	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	0.3		1	0.034		0.1	mg/L	12/21/2017	12/22/2017	SM4500-NH3



Report of Analysis

Client:		Date Collected:	12/19/2017 12:00:00 AM
Project:	LB92346	Date Received:	12/20/2017 12:00:00 AM
Client Sample ID:	MW-8S-121917	SDG No.:	LB92346
Lab Sample ID:	I7011-06	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: LB92346

SDG No.: LB92346

Contract: _____

Lab Code: CHEM

Case No.: LB92346

SAS No.: LB92346

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	1	1	100	0	90 - 110		12/22/2017	10:08	LB92346



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- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB92346

SDG No.: LB92346

Contract: _____ Lab Code: CHEM

Case No.: LB92346

SAS No.: LB92346

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	1	1	100	0	90 - 110		12/22/2017	10:08	LB92346
CCV2	Ammonia as N	1	1	100	0	90 - 110		12/22/2017	10:13	LB92346



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB92346 SDG No.: LB92346
Contract: Lab Code: CHEM Case No.: LB92346 SAS No.: LB92346

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Ammonia as N	0.013	+/-0.1	U			0.1	12/22/2017	10:08	LB92346



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB92346

SDG No.: LB92346

Contract:

Lab Code: CHEM

Case No.: LB92346

SAS No.: LB92346

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Ammonia as N	0.013	+/-0.1	U			0.1	12/22/2017	10:08	LB92346
CCB2	Ammonia as N	0.03	+/-0.1	U			0.1	12/22/2017	10:13	LB92346



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB92346

SDG No.: LB92346

Contract: Lab Code: CHEM

Case No.: LB92346

SAS No.: LB92346

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: LB92346

SDG No.: LB92346

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
PB105262BL		WATER		Batch Number:		PB105262		Prep Date:	12/21/2017	
	Ammonia as N	0.013	<0.1	U		0.1		12/22/2017	10:08	LB92346



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- 5a -
MATRIX SPIKE SUMMARY

client: LB92346 level: low sdg no.: LB92346
contract: lab code: CHEM case no.: LB92346 sas no.: LB92346
matrix: WATER sample id: I7011-02 client id: MW-1-121917MS
Percent Solids for Sample: 0 Spiked ID: I7011-02MS 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	1.7		0.49		1	121		



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB92346 level: low sdg no.: LB92346
contract: lab code: CHEM case no.: LB92346 sas no.: LB92346
matrix: WATER sample id: I7011-02 client id: MW-1-121917MSD
Percent Solids for Sample: 0 Spiked ID: I7011-02MSD 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	1.6		0.49		1	111		

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DUPLICATE SAMPLE SUMMARY

Client: LB92346 **Level:** LOW **SDG No.:** LB92346
Contract: **Lab Code:** CHEM **Case No.:** LB92346 **SAS No.:** LB92346
Matrix: WATER **Sample ID:** I7011-02 **Client ID:** MW-1-121917DUP
Percent Solids for Sample: 0 **Duplicate ID** I7011-02DUP **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	0.49		0.45		9		

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DUPLICATE SAMPLE SUMMARY

Client: LB92346 **Level:** LOW **SDG No.:** LB92346
Contract: **Lab Code:** CHEM **Case No.:** LB92346 **SAS No.:** LB92346
Matrix: WATER **Sample ID:** I7011-02MS **Client ID:** MW-1-121917MSD
Percent Solids for Sample: 0 **Duplicate ID** I7011-02MSD **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	1.7		1.6		6		



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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB92346

SDG No.: LB92346

Contract:

Lab Code: CHEM

Case No.: LB92346

SAS No.: LB92346

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB105262BS Ammonia as N	mg/L	1	0.97		97	80 - 120	