

Daily Analysis Runlog For Sequence/QC Batch ID # LB92032

Review By		Review On				
SubDirectory		LB92032		Test : Ammonia		
STD. NAME		STD REF.#				
ICAL Standard		WP60225				
ICV Standard		WP60227				
CCV Standard		WP60226				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP60123				
Chk Standard		WP57031,WP60149,WP59925,WP59926				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.1PPM	0.1PPM	CAL1	12/08/17 08:12		OK
2	0.2PPM	0.2PPM	CAL2	12/08/17 08:12		OK
3	0.4PPM	0.4PPM	CAL3	12/08/17 08:12		OK
4	1.0PPM	1.0PPM	CAL4	12/08/17 08:12		OK
5	1.3PPM	1.3PPM	CAL5	12/08/17 08:12		OK
6	2.0PPM	2.0PPM	CAL6	12/08/17 08:12		OK
7	ICV1	ICV1	ICV	12/08/17 08:58		OK
8	ICB1	ICB1	ICB	12/08/17 08:58		OK
9	CCV1	CCV1	CCV	12/08/17 08:59		OK
10	CCB1	CCB1	CCB	12/08/17 08:59		OK
11	PB104827BL	PB104827BL	MB	12/08/17 08:59		OK
12	PB104827BS	PB104827BS	LCS	12/08/17 08:59		OK
13	I6766-01	WQ-1	SAM	12/08/17 08:59		OK
14	I6766-01DUP	WQ-1DUP	DUP	12/08/17 08:59		OK
15	I6766-01MS	WQ-1MS	MS	12/08/17 09:09		OK
16	I6766-01MSD	WQ-1MSD	MSD	12/08/17 09:09		OK
17	I6766-02	WQ-2	SAM	12/08/17 09:09		OK
18	I6766-03	WQ-3	SAM	12/08/17 09:09		OK
19	I6766-04	WQ-4	SAM	12/08/17 09:09		OK
20	I6766-05	WQ-5	SAM	12/08/17 09:09		OK
21	CCV2	CCV2	CCV	12/08/17 09:09		OK

Daily Analysis Runlog For Sequence/QC Batch ID # LB92032

Review By			Review On			
SubDirectory		LB92032		Test : Ammonia		
STD. NAME		STD REF.#				
ICAL Standard		WP60225				
ICV Standard		WP60227				
CCV Standard		WP60226				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP60123				
Chk Standard		WP57031,WP60149,WP59925,WP59926				
22	CCB2	CCB2	CCB	12/08/17 09:09		OK
23	I6766-06	WQ-7	SAM	12/08/17 09:09		OK
24	I6766-07	WQ-1W	SAM	12/08/17 09:09		OK
25	I6766-08	WQ-2W	SAM	12/08/17 09:09		OK
26	I6766-09	WQ-3W	SAM	12/08/17 09:09		OK
27	I6766-10	WQ-4W	SAM	12/08/17 09:16		OK
28	I6766-11	WQ-5W	SAM	12/08/17 09:16		OK
29	I6766-12	WQ-7W	SAM	12/08/17 09:16		OK
30	CCV3	CCV3	CCV	12/08/17 09:16		OK
31	CCB3	CCB3	CCB	12/08/17 09:16		OK



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:		Date Collected:	12/5/2017 12:00:00 AM
Project:	LB92032	Date Received:	12/6/2017 12:00:00 AM
Client Sample ID:	WQ-1	SDG No.:	LB92032
Lab Sample ID:	I6766-01	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	0.19		1	0.034		0.1	mg/L	12/07/2017	12/08/2017	SM4500-NH3



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:		Date Collected:	12/5/2017 12:00:00 AM
Project:	LB92032	Date Received:	12/6/2017 12:00:00 AM
Client Sample ID:	WQ-2	SDG No.:	LB92032
Lab Sample ID:	I6766-02	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	0.2		1	0.034		0.1	mg/L	12/07/2017	12/08/2017	SM4500-NH3



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:		Date Collected:	12/5/2017 12:00:00 AM
Project:	LB92032	Date Received:	12/6/2017 12:00:00 AM
Client Sample ID:	WQ-3	SDG No.:	LB92032
Lab Sample ID:	I6766-03	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	0.74		1	0.034		0.1	mg/L	12/07/2017	12/08/2017	SM4500-NH3



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:		Date Collected:	12/5/2017 12:00:00 AM
Project:	LB92032	Date Received:	12/6/2017 12:00:00 AM
Client Sample ID:	WQ-4	SDG No.:	LB92032
Lab Sample ID:	I6766-04	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	0.27		1	0.034		0.1	mg/L	12/07/2017	12/08/2017	SM4500-NH3



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:		Date Collected:	12/5/2017 12:00:00 AM
Project:	LB92032	Date Received:	12/6/2017 12:00:00 AM
Client Sample ID:	WQ-5	SDG No.:	LB92032
Lab Sample ID:	I6766-05	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	0.23		1	0.034		0.1	mg/L	12/07/2017	12/08/2017	SM4500-NH3



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:		Date Collected:	12/5/2017 12:00:00 AM
Project:	LB92032	Date Received:	12/6/2017 12:00:00 AM
Client Sample ID:	WQ-7	SDG No.:	LB92032
Lab Sample ID:	I6766-06	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	0.19		1	0.034		0.1	mg/L	12/07/2017	12/08/2017	SM4500-NH3



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:		Date Collected:	12/6/2017 12:00:00 AM
Project:	LB92032	Date Received:	12/6/2017 12:00:00 AM
Client Sample ID:	WQ-1W	SDG No.:	LB92032
Lab Sample ID:	I6766-07	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	0.21		1	0.034		0.1	mg/L	12/07/2017	12/08/2017	SM4500-NH3



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:		Date Collected:	12/6/2017 12:00:00 AM
Project:	LB92032	Date Received:	12/6/2017 12:00:00 AM
Client Sample ID:	WQ-2W	SDG No.:	LB92032
Lab Sample ID:	I6766-08	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	0.2		1	0.034		0.1	mg/L	12/07/2017	12/08/2017	SM4500-NH3



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:		Date Collected:	12/6/2017 12:00:00 AM
Project:	LB92032	Date Received:	12/6/2017 12:00:00 AM
Client Sample ID:	WQ-3W	SDG No.:	LB92032
Lab Sample ID:	I6766-09	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	0.23		1	0.034		0.1	mg/L	12/07/2017	12/08/2017	SM4500-NH3



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:		Date Collected:	12/6/2017 12:00:00 AM
Project:	LB92032	Date Received:	12/6/2017 12:00:00 AM
Client Sample ID:	WQ-4W	SDG No.:	LB92032
Lab Sample ID:	I6766-10	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	0.57		1	0.034		0.1	mg/L	12/07/2017	12/08/2017	SM4500-NH3



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:		Date Collected:	12/6/2017 12:00:00 AM
Project:	LB92032	Date Received:	12/6/2017 12:00:00 AM
Client Sample ID:	WQ-5W	SDG No.:	LB92032
Lab Sample ID:	I6766-11	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	0.75		1	0.034		0.1	mg/L	12/07/2017	12/08/2017	SM4500-NH3



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:		Date Collected:	12/6/2017 12:00:00 AM
Project:	LB92032	Date Received:	12/6/2017 12:00:00 AM
Client Sample ID:	WQ-7W	SDG No.:	LB92032
Lab Sample ID:	I6766-12	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	0.21		1	0.034		0.1	mg/L	12/07/2017	12/08/2017	SM4500-NH3



Report of Analysis

Client:		Date Collected:	12/6/2017 12:00:00 AM
Project:	LB92032	Date Received:	12/6/2017 12:00:00 AM
Client Sample ID:	WQ-7W	SDG No.:	LB92032
Lab Sample ID:	I6766-12	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
-----	-----------	-------	------	----	-----	-----	------------	-------	-----------	-----------	----------

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: LB92032

SDG No.: LB92032

Contract: _____

Lab Code: CHEM

Case No.: LB92032

SAS No.: LB92032

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	0.99	1	99	0	90 - 110		12/08/2017	08:58	lb92032



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB92032

SDG No.: LB92032

Contract: _____ Lab Code: CHEM

Case No.: LB92032

SAS No.: LB92032

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	0.95	1	95	0	90 - 110		12/08/2017	08:59	lb92032
CCV2	Ammonia as N	0.98	1	98	0	90 - 110		12/08/2017	09:09	lb92032
CCV3	Ammonia as N	0.98	1	98	0	90 - 110		12/08/2017	09:16	lb92032



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB92032

SDG No.: LB92032

Contract:

Lab Code: CHEM

Case No.: LB92032

SAS No.: LB92032

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Ammonia as N	0.015	+/-0.1	U			0.1	12/08/2017	08:58	lb92032



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB92032

SDG No.: LB92032

Contract:

Lab Code: CHEM

Case No.: LB92032

SAS No.: LB92032

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Ammonia as N	0.018	+/-0.1	U			0.1	12/08/2017	08:59	1b92032
CCB2	Ammonia as N	0.014	+/-0.1	U			0.1	12/08/2017	09:09	1b92032
CCB3	Ammonia as N	0.02	+/-0.1	U			0.1	12/08/2017	09:16	1b92032



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB92032

SDG No.: LB92032

Contract: Lab Code: CHEM

Case No.: LB92032

SAS No.: LB92032

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
-----------	---------	----------------	---------------------	--------------	-----	------	---	------------------	------------------	---------------



GENCHEM
- 3b -
PREPARATION BLANK SUMMARY

Client: LB92032

SDG No.: LB92032

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
PB104827BL	Ammonia as N	WATER 0.014	<0.1	Batch Number: U		PB104827 0.1		Prep Date: 12/08/2017	12/07/2017 08:59	lb92032



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB92032 level: low sdg no.: LB92032
contract: lab code: CHEM case no.: LB92032 sas no.: LB92032
matrix: WATER sample id: I6766-01 client id: WQ-1MS
Percent Solids for Sample: 0 Spiked ID: I6766-01MS 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	1.2		0.19		1	101		



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB92032 level: low sdg no.: LB92032
contract: lab code: CHEM case no.: LB92032 sas no.: LB92032
matrix: WATER sample id: I6766-01 client id: WQ-1MSD
Percent Solids for Sample: 0 Spiked ID: I6766-01MSD 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	1.1		0.19		1	91		

GENCHEM

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB92032 **Level:** LOW **SDG No.:** LB92032
Contract: **Lab Code:** CHEM **Case No.:** LB92032 **SAS No.:** LB92032
Matrix: WATER **Sample ID:** I6766-01 **Client ID:** WQ-1DUP
Percent Solids for Sample: 0 **Duplicate ID** I6766-01DUP **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	0.19		0.19		0		

GENCHEM

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB92032 **Level:** LOW **SDG No.:** LB92032
Contract: **Lab Code:** CHEM **Case No.:** LB92032 **SAS No.:** LB92032
Matrix: WATER **Sample ID:** I6766-01MS **Client ID:** WQ-1MSD
Percent Solids for Sample: 0 **Duplicate ID** I6766-01MSD **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	1.2		1.1		9		



GENCHEM

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: LB92032

SDG No.: LB92032

Contract:

Lab Code: CHEM

Case No.: LB92032

SAS No.: LB92032

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB104827BS Ammonia as N	mg/L	1	1		100	80 - 120	