



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

Report of Analysis

Client:		Date Collected:	9/18/2017 12:00:00 AM
Project:	LB90242	Date Received:	9/19/2017 12:00:00 AM
Client Sample ID:	MW-1-091817	SDG No.:	LB90242
Lab Sample ID:	I5300-02	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	0.34		1	0.034		0.1	mg/L	09/20/2017	09/21/2017	SM4500-NH3



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Report of Analysis

Client:		Date Collected:	9/18/2017 12:00:00 AM
Project:	LB90242	Date Received:	9/19/2017 12:00:00 AM
Client Sample ID:	MW-2-091817	SDG No.:	LB90242
Lab Sample ID:	I5300-03	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	0.12		1	0.034		0.1	mg/L	09/20/2017	09/21/2017	SM4500-NH3



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Report of Analysis

Client:		Date Collected:	9/18/2017 12:00:00 AM
Project:	LB90242	Date Received:	9/19/2017 12:00:00 AM
Client Sample ID:	MW-7-091817	SDG No.:	LB90242
Lab Sample ID:	I5300-04	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	0.22		1	0.034		0.1	mg/L	09/20/2017	09/21/2017	SM4500-NH3



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Report of Analysis

Client:		Date Collected:	9/18/2017 12:00:00 AM
Project:	LB90242	Date Received:	9/19/2017 12:00:00 AM
Client Sample ID:	MW-8S-091817	SDG No.:	LB90242
Lab Sample ID:	I5300-05	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	0.19		1	0.034		0.1	mg/L	09/20/2017	09/21/2017	SM4500-NH3



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Report of Analysis

Client:		Date Collected:	9/18/2017 12:00:00 AM
Project:	LB90242	Date Received:	9/19/2017 12:00:00 AM
Client Sample ID:	SUMP-091817	SDG No.:	LB90242
Lab Sample ID:	I5300-10	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	0.67		1	0.034		0.1	mg/L	09/20/2017	09/21/2017	SM4500-NH3



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Report of Analysis

Client:		Date Collected:	9/18/2017 12:00:00 AM
Project:	LB90242	Date Received:	9/19/2017 12:00:00 AM
Client Sample ID:	SUMP-091817	SDG No.:	LB90242
Lab Sample ID:	I5300-10	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
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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: LB90242

SDG No.: LB90242

Contract: _____ Lab Code: CHEM

Case No.: LB90242

SAS No.: LB90242

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		09/21/2017	18:10	LB90242
CCV2	Ammonia as N	1	1	100	0	90 - 110		09/21/2017	18:19	LB90242



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB90242

SDG No.: LB90242

Contract:

Lab Code: CHEM

Case No.: LB90242

SAS No.: LB90242

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Ammonia as N	-0.012	+/-0.1	U		0.1		09/21/2017	17:45	LB90242



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB90242

SDG No.: LB90242

Contract:

Lab Code: CHEM

Case No.: LB90242

SAS No.: LB90242

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Ammonia as N	0.074	+/-0.1	J			0.1	09/21/2017	18:10	LB90242
CCB2	Ammonia as N	0.042	+/-0.1	J			0.1	09/21/2017	18:19	LB90242



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB90242

SDG No.: LB90242

Contract: Lab Code: CHEM

Case No.: LB90242

SAS No.: LB90242

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
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GENCHEM
- 3b -
PREPARATION BLANK SUMMARY

Client: LB90242

SDG No.: LB90242

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
PB102481BL	Ammonia as N	WATER 0.06	<0.1	Batch Number: J		PB102481 0.1		Prep Date: 09/21/2017	09/20/2017 18:10	LB90242



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB90242 level: low sdg no.: LB90242
contract: lab code: CHEM case no.: LB90242 sas no.: LB90242
matrix: WATER sample id: I5300-02 client id: MW-1-091817MS
Percent Solids for Sample: 0 Spiked ID: I5300-02MS 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	1.2		0.34		1	86		



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB90242 level: low sdg no.: LB90242
contract: lab code: CHEM case no.: LB90242 sas no.: LB90242
matrix: WATER sample id: I5300-02 client id: MW-1-091817MSD
Percent Solids for Sample: 0 Spiked ID: I5300-02MSD 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	1.3		0.34		1	96		



GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB90242 Level: LOW SDG No.: LB90242
Contract: _____ Lab Code: CHEM Case No.: LB90242 SAS No.: LB90242
Matrix: WATER Sample ID: I5300-02 Client ID: MW-1-091817DUP
Percent Solids for Sample: 0 Duplicate ID I5300-02DUP 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	0.34		0.37		8		

“A control limit of $\pm 20\%$ RPD for each matrix applies for sample values greater than 10 times Detection Limit”



GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB90242 **Level:** LOW **SDG No.:** LB90242
Contract: **Lab Code:** CHEM **Case No.:** LB90242 **SAS No.:** LB90242
Matrix: WATER **Sample ID:** I5300-02MS **Client ID:** MW-1-091817MSD
Percent Solids for Sample: 0 **Duplicate ID** I5300-02MSD **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	1.2		1.3		8		



GENCHEM

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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB90242

SDG No.: LB90242

Contract:

Lab Code: CHEM

Case No.: LB90242

SAS No.: LB90242

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB102481BS Ammonia as N	mg/L	1	1.1		110	80 - 120	