



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

Report of Analysis

Client:		Date Collected:	1/16/2018 12:00:00 AM
Project:	LB93268	Date Received:	1/16/2018 12:00:00 AM
Client Sample ID:	LOD-MDL-SOIL-01-QT1-2018	SDG No.:	LB93268
Lab Sample ID:	J1161-01	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Ammonia as N	4.3	J	1	1.7		4.9	mg/Kg	02/13/2018	02/14/2018	SM4500-NH3



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Client:		Date Collected:	1/16/2018 12:00:00 AM
Project:	LB93268	Date Received:	1/16/2018 12:00:00 AM
Client Sample ID:	MDL-SOIL-03-QT1-2018	SDG No.:	LB93268
Lab Sample ID:	J1161-03	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Ammonia as N	4.1	J	1	1.7		5	mg/Kg	02/13/2018	02/14/2018	SM4500-NH3



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Client:		Date Collected:	1/16/2018 12:00:00 AM
Project:	LB93268	Date Received:	1/16/2018 12:00:00 AM
Client Sample ID:	LOD-MDL-WATER-01-QT1-2018	SDG No.:	LB93268
Lab Sample ID:	J1161-07	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	0.097	J	1	0.034		0.1	mg/L	02/13/2018	02/14/2018	SM4500-NH3



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Report of Analysis

Client:		Date Collected:	1/16/2018 12:00:00 AM
Project:	LB93268	Date Received:	1/16/2018 12:00:00 AM
Client Sample ID:	MDL-WATER-03-QT1-2018	SDG No.:	LB93268
Lab Sample ID:	J1161-09	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	0.12		1	0.034		0.1	mg/L	02/13/2018	02/14/2018	SM4500-NH3



Report of Analysis

Client:		Date Collected:	1/16/2018 12:00:00 AM
Project:	LB93268	Date Received:	1/16/2018 12:00:00 AM
Client Sample ID:	MDL-WATER-03-QT1-2018	SDG No.:	LB93268
Lab Sample ID:	J1161-09	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
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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: LB93268

SDG No.: LB93268

Contract: _____

Lab Code: CHEM

Case No.: LB93268

SAS No.: LB93268

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	1	1	100		90 - 110		02/14/2018	08:39	LB93268



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB93268

SDG No.: LB93268

Contract: _____ Lab Code: CHEM

Case No.: LB93268

SAS No.: LB93268

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	1	1	100		90 - 110		02/14/2018	08:39	LB93268
CCV2	Ammonia as N	1.1	1	110		90 - 110		02/14/2018	09:01	LB93268



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB93268

SDG No.: LB93268

Contract:

Lab Code: CHEM

Case No.: LB93268

SAS No.: LB93268

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	02/14/2018	08:39	LB93268



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB93268

SDG No.: LB93268

Contract:

Lab Code: CHEM

Case No.: LB93268

SAS No.: LB93268

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	02/14/2018	08:39	LB93268
CCB2	Ammonia as N	0.011	+/-0.1	U			0.1	02/14/2018	09:01	LB93268



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB93268

SDG No.: LB93268

Contract: Lab Code: CHEM

Case No.: LB93268

SAS No.: LB93268

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: LB93268

SDG No.: LB93268

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
PB106531BL	Ammonia as N	SOLID		Batch Number:		PB106531		Prep Date:	02/13/2018	
		-0.24	<4.9	U		4.9		02/14/2018	09:00	LB93268
Sample ID	Analyte	Result (mg/L)	Acceptance Limit	Conc Qual	LOD mg/L	CRQL mg/L	M	Analysis Date	Analysis Time	Run
PB106534BL	Ammonia as N	WATER		Batch Number:		PB106534		Prep Date:	02/13/2018	
		0.014	<0.1	U		0.1		02/14/2018	09:00	LB93268



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- 5a -

client: _____ level: low sdg no.: _____

contract: _____ lab code: _____ case no.: _____ sas no.: _____

matrix: _____ sample id: _____ client id: _____

Percent Solids for Sample: _____ Spiked ID: _____ Percent Solids for Spike Sample: _____

Analyte		Units	Acceptance Limit %R	C	Sample Result	C	Spike Added	% Recovery	Qual	M
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- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB93268

Level: LOW

SDG No.: LB93268

Contract:

Lab Code: CHEM

Case No.: LB93268

SAS No.: LB93268

Matrix:

Sample ID:

Client ID:

Percent Solids for Sample:

Duplicate ID

Percent Solids for Spike Sample:

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
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“A control limit of $\pm 20\%$ RPD for each matrix applies for sample values greater than 10 times Detection Limit”



GENCHEM

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: LB93268

SDG No.: LB93268

Contract:

Lab Code: CHEM

Case No.: LB93268

SAS No.: LB93268

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB106531BS Ammonia as N	mg/Kg	48.1	46.5		96.7	80 - 120	



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- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: LB93268

SDG No.: LB93268

Contract:

Lab Code: CHEM

Case No.: LB93268

SAS No.: LB93268

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB106534BS Ammonia as N	mg/L	1	0.94		94	80 - 120	

Daily Analysis Runlog For Sequence/QC Batch ID # LB93268

Review By		Review On				
SubDirectory		LB93268		Test : Ammonia		
STD. NAME		STD REF.#				
ICAL Standard		WP61890				
ICV Standard		WP61891				
CCV Standard		WP61892				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP61729				
Chk Standard		WP61582,WP61176,WP61174,WP61175				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.1PPM	0.1PPM	CAL1	02/14/18 08:16		OK
2	0.2PPM	0.2PPM	CAL2	02/14/18 08:16		OK
3	0.4PPM	0.4PPM	CAL3	02/14/18 08:16		OK
4	1.0PPM	1.0PPM	CAL4	02/14/18 08:16		OK
5	1.3PPM	1.3PPM	CAL5	02/14/18 08:16		OK
6	2.0PPM	2.0PPM	CAL6	02/14/18 08:16		OK
7	ICV1	ICV1	ICV	02/14/18 08:39		OK
8	ICB1	ICB1	ICB	02/14/18 08:39		OK
9	CCV1	CCV1	CCV	02/14/18 08:39		OK
10	CCB1	CCB1	CCB	02/14/18 08:39		OK
11	PB106531BL	PB106531BL	MB	02/14/18 09:00		OK
12	PB106531BS	PB106531BS	LCS	02/14/18 09:00		OK
13	J1161-01	LOD-MDL-SOIL-01-C	SAM	02/14/18 09:00		OK
14	J1161-03	MDL-SOIL-03-QT1-2	SAM	02/14/18 09:00		OK
15	PB106534BL	PB106534BL	MB	02/14/18 09:00		OK
16	PB106534BS	PB106534BS	LCS	02/14/18 09:00		OK
17	J1161-07	LOD-MDL-WATER-0	SAM	02/14/18 09:01		OK
18	J1161-09	MDL-WATER-03-QT1	SAM	02/14/18 09:01		OK
19	CCV2	CCV2	CCV	02/14/18 09:01		OK
20	CCB2	CCB2	CCB	02/14/18 09:01		OK