

Daily Analysis Runlog For Sequence/QC Batch ID # LB93516

Review By		Review On				
SubDirectory		LB93516		Test : Ammonia		
STD. NAME		STD REF.#				
ICAL Standard		WP62265				
ICV Standard		WP62267				
CCV Standard		WP62266				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP62171				
Chk Standard		WP61582,WP62168,WP62169,WP62170				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.1PPM	0.1PPM	CAL1	02/26/18 09:11		OK
2	0.2PPM	0.2PPM	CAL2	02/26/18 09:11		OK
3	0.4PPM	0.4PPM	CAL3	02/26/18 09:11		OK
4	1.0PPM	1.0PPM	CAL4	02/26/18 09:11		OK
5	1.3PPM	1.3PPM	CAL5	02/26/18 09:11		OK
6	2.0PPM	2.0PPM	CAL6	02/26/18 09:11		OK
7	ICV1	ICV1	ICV	02/26/18 10:14		OK
8	ICB1	ICB1	ICB	02/26/18 10:14		OK
9	CCV1	CCV1	CCV	02/26/18 10:14		OK
10	CCB1	CCB1	CCB	02/26/18 10:14		OK
11	PB106809BL	PB106809BL	MB	02/26/18 10:36		OK
12	PB106809BS	PB106809BS	LCS	02/26/18 10:36		OK
13	J1161-03	MDL-SOIL-03-QT1-2	SAM	02/26/18 10:36		OK
14	J1654-01	REID-TOPSOIL	SAM	02/26/18 10:37		OK
15	J1654-01DUP	REID-TOPSOILDUP	DUP	02/26/18 10:37		OK
16	PB106810BL	PB106810BL	MB	02/26/18 10:37		OK
17	PB106810BS	PB106810BS	LCS	02/26/18 10:37		OK
18	J1161-01	LOD-MDL-SOIL-01-C	SAM	02/26/18 11:11		OK
19	J1654-01MS	REID-TOPSOILMS	MS	02/26/18 11:11		OK
20	J1654-01MSD	REID-TOPSOILMSD	MSD	02/26/18 11:11		OK
21	CCV2	CCV2	CCV	02/26/18 11:11		OK

284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Daily Analysis Runlog For Sequence/QC Batch ID # LB93516

Review By		Review On				
SubDirectory		LB93516		Test : Ammonia		
STD. NAME		STD REF.#				
ICAL Standard		WP62265				
ICV Standard		WP62267				
CCV Standard		WP62266				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP62171				
Chk Standard		WP61582,WP62168,WP62169,WP62170				
22	CCB2	CCB2	CCB	02/26/18 11:12		OK
23	J1161-07	LOD-MDL-WATER-0	SAM	02/26/18 11:12		OK
24	J1161-09	MDL-WATER-03-QT	SAM	02/26/18 11:12		OK
25	CCV3	CCV3	CCV	02/26/18 11:12		OK
26	CCB3	CCB3	CCB	02/26/18 11:12		OK



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:	LB93516	Date Received:	1/16/2018 12:00:00 AM
Client Sample ID:	LOD-MDL-SOIL-01-QT1-2018	SDG No.:	LB93516
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	5.1		1	1.6		4.6	mg/Kg	02/23/2018	02/26/2018	SM4500-NH3



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:	LB93516	Date Received:	1/16/2018 12:00:00 AM
Client Sample ID:	MDL-SOIL-03-QT1-2018	SDG No.:	LB93516
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	7.1		1	1.6		4.7	mg/Kg	02/23/2018	02/26/2018	SM4500-NH3



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:	LB93516	Date Received:	1/16/2018 12:00:00 AM
Client Sample ID:	LOD-MDL-WATER-01-QT1-2018	SDG No.:	LB93516
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	0.15		1	0.034		0.1	mg/L	02/23/2018	02/26/2018	SM4500-NH3



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:	LB93516	Date Received:	1/16/2018 12:00:00 AM
Client Sample ID:	MDL-WATER-03-QT1-2018	SDG No.:	LB93516
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	0.17		1	0.034		0.1	mg/L	02/23/2018	02/26/2018	SM4500-NH3



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

Report of Analysis

Client:		Date Collected:	2/22/2018 12:00:00 AM
Project:	LB93516	Date Received:	2/22/2018 12:00:00 AM
Client Sample ID:	REID-TOPSOIL	SDG No.:	LB93516
Lab Sample ID:	J1654-01	Matrix:	Solid
Level (low/med):	low	% Solid:	88.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Ammonia as N	44.8		1	1.9		5.5	mg/Kg	02/23/2018	02/26/2018	SM4500-NH3



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

Report of Analysis

Client:		Date Collected:	2/22/2018 12:00:00 AM
Project:	LB93516	Date Received:	2/22/2018 12:00:00 AM
Client Sample ID:	REID-TOPSOIL	SDG No.:	LB93516
Lab Sample ID:	J1654-01	Matrix:	Solid
Level (low/med):	low	% Solid:	88.4

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: LB93516

SDG No.: LB93516

Contract: _____

Lab Code: CHEM

Case No.: LB93516

SAS No.: LB93516

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		02/26/2018	10:14	LB93516



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB93516

SDG No.: LB93516

Contract: _____ Lab Code: CHEM

Case No.: LB93516

SAS No.: LB93516

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		02/26/2018	10:14	LB93516
CCV2	Ammonia as N	1	1	100		90 - 110		02/26/2018	11:11	LB93516
CCV3	Ammonia as N	1	1	100		90 - 110		02/26/2018	11:12	LB93516



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB93516

SDG No.: LB93516

Contract:

Lab Code: CHEM

Case No.: LB93516

SAS No.: LB93516

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Ammonia as N	0.049	+/-0.1	J		0.1		02/26/2018	10:14	LB93516



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB93516

SDG No.: LB93516

Contract:

Lab Code: CHEM

Case No.: LB93516

SAS No.: LB93516

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Ammonia as N	0.053	+/-0.1	J			0.1	02/26/2018	10:14	LB93516
CCB2	Ammonia as N	0.064	+/-0.1	J			0.1	02/26/2018	11:12	LB93516
CCB3	Ammonia as N	0.075	+/-0.1	J			0.1	02/26/2018	11:12	LB93516



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB93516

SDG No.: LB93516

Contract: Lab Code: CHEM

Case No.: LB93516

SAS No.: LB93516

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: LB93516

SDG No.: LB93516

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
PB106809BL	Ammonia as N	SOLID		Batch Number:		PB106809		Prep Date:	02/23/2018	
		3.1	<4.9	J		4.9		02/26/2018	10:36	LB93516
Sample ID	Analyte	Result (mg/L)	Acceptance Limit	Conc Qual	LOD mg/L	CRQL mg/L	M	Analysis Date	Analysis Time	Run
PB106810BL	Ammonia as N	WATER		Batch Number:		PB106810		Prep Date:	02/23/2018	
		0.065	<0.1	J		0.1		02/26/2018	10:37	LB93516



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB93516 level: low sdg no.: LB93516
contract: lab code: CHEM case no.: LB93516 sas no.: LB93516
matrix: Solid sample id: J1654-01 client id: REID-TOPSOILMS
Percent Solids for Sample: 88.4 Spiked ID: J1654-01MS Percent Solids for Spike Sample: 88.4

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Ammonia as N	mg/Kg	75 - 125	95.7		44.8		54.9	93		



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB93516 level: low sdg no.: LB93516
contract: lab code: CHEM case no.: LB93516 sas no.: LB93516
matrix: Solid sample id: J1654-01 client id: REID-TOPSOILMSD
Percent Solids for Sample: 88.4 Spiked ID: J1654-01MSD Percent Solids for Spike Sample: 88.4

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Ammonia as N	mg/Kg	75 - 125	90.3		44.8		54.4	84		

GENCHEM

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB93516 **Level:** LOW **SDG No.:** LB93516
Contract: **Lab Code:** CHEM **Case No.:** LB93516 **SAS No.:** LB93516
Matrix: Solid **Sample ID:** J1654-01 **Client ID:** REID-TOPSOILDUP
Percent Solids for Sample: 88.4 **Duplicate ID** J1654-01DUP **Percent Solids for Spike Sample:** 88.4

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Ammonia as N	mg/Kg	20	44.8		45.2		1		

GENCHEM

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB93516 **Level:** LOW **SDG No.:** LB93516
Contract: **Lab Code:** CHEM **Case No.:** LB93516 **SAS No.:** LB93516
Matrix: Solid **Sample ID:** J1654-01MS **Client ID:** REID-TOPSOILMSD
Percent Solids for Sample: 88.4 **Duplicate ID** J1654-01MSD **Percent Solids for Spike Sample:** 88.4

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Ammonia as N	mg/Kg	20	95.7		90.3		6		



GENCHEM

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: LB93516

SDG No.: LB93516

Contract:

Lab Code: CHEM

Case No.: LB93516

SAS No.: LB93516

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB106809BS Ammonia as N	mg/Kg	48.1	49.9		103.7	80 - 120	



GENCHEM

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: LB93516

SDG No.: LB93516

Contract:

Lab Code: CHEM

Case No.: LB93516

SAS No.: LB93516

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB106810BS Ammonia as N	mg/L	1	1		100	80 - 120	