

Daily Analysis Runlog For Sequence/QC Batch ID # LB95836

Review By

Review On

SubDirectory

LB95836

Test :

Ammonia

STD. NAME		STD REF.#				
ICAL Standard		WP65068				
ICV Standard		WP65070				
CCV Standard		WP65069				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP64988				
Chk Standard		WP61582,WP64528,WP64526,WP64527				

Sr#	SampleId	ClientID	QcType	Date	Comment	Status
1	0.1PPM	0.1PPM	CAL1	06/06/18 08:02		OK
2	0.2PPM	0.2PPM	CAL2	06/06/18 08:02		OK
3	0.4PPM	0.4PPM	CAL3	06/06/18 08:02		OK
4	1.0PPM	1.0PPM	CAL4	06/06/18 08:02		OK
5	1.3PPM	1.3PPM	CAL5	06/06/18 08:02		OK
6	2.0PPM	2.0PPM	CAL6	06/06/18 08:02		OK
7	ICV1	ICV1	ICV	06/06/18 08:38		OK
8	ICB1	ICB1	ICB	06/06/18 08:38		OK
9	CCV1	CCV1	CCV	06/06/18 08:38		OK
10	CCB1	CCB1	CCB	06/06/18 08:38		OK
11	PB109999BL	PB109999BL	MB	06/06/18 08:38		OK
12	PB109999BS	PB109999BS	LCS	06/06/18 08:38		OK
13	J3306-03	A&M-WATER	SAM	06/06/18 08:38		OK
14	J3306-03DUP	A&M-WATERDUP	DUP	06/06/18 08:38		OK
15	J3306-03MS	A&M-WATERMS	MS	06/06/18 08:38		OK
16	J3306-03MSD	A&M-WATERMSD	MSD	06/06/18 08:38		OK
17	PB109998BL	PB109998BL	MB	06/06/18 08:38		OK
18	PB109998BS	PB109998BS	LCS	06/06/18 08:38		OK
19	J3284-01	QUINTON-TOPSOIL	SAM	06/06/18 08:47		OK
20	J3284-01DUP	QUINTON-TOPSOIL	DUP	06/06/18 08:48		OK
21	CCV2	CCV2	CCV	06/06/18 08:48		OK

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

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ICAL Standard		WP65068				
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CCV Standard		WP65069				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP64988				
Chk Standard		WP61582,WP64528,WP64526,WP64527				
22	CCB2	CCB2	CCB	06/06/18 08:48		OK
23	J3284-01MS	QUINTON-TOPSOIL	MS	06/06/18 08:48		OK
24	J3284-01MSD	QUINTON-TOPSOIL	MSD	06/06/18 08:48		OK
25	J3306-01	A&M-SOIL	SAM	06/06/18 08:48		OK
26	CCV3	CCV3	CCV	06/06/18 08:48		OK
27	CCB3	CCB3	CCB	06/06/18 08:48		OK



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Report of Analysis

Client:		Date Collected:	5/31/2018 12:00:00 AM
Project:	LB95836	Date Received:	6/1/2018 12:00:00 AM
Client Sample ID:	QUINTON-TOPSOIL	SDG No.:	LB95836
Lab Sample ID:	J3284-01	Matrix:	Solid
Level (low/med):	low	% Solid:	88.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Ammonia as N	30.8		1	1.9		5.4	mg/Kg	06/05/2018	06/06/2018	SM4500-NH3



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Report of Analysis

Client:		Date Collected:	6/1/2018 12:00:00 AM
Project:	LB95836	Date Received:	6/1/2018 12:00:00 AM
Client Sample ID:	A&M-SOIL	SDG No.:	LB95836
Lab Sample ID:	J3306-01	Matrix:	Solid
Level (low/med):	low	% Solid:	37

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Ammonia as N	162		1	4.4		13	mg/Kg	06/05/2018	06/06/2018	SM4500-NH3



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Report of Analysis

Client:		Date Collected:	6/1/2018 12:00:00 AM
Project:	LB95836	Date Received:	6/1/2018 12:00:00 AM
Client Sample ID:	A&M-WATER	SDG No.:	LB95836
Lab Sample ID:	J3306-03	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	9.7		1	0.34		1	mg/L	06/05/2018	06/06/2018	SM4500-NH3



Report of Analysis

Client:		Date Collected:	6/1/2018 12:00:00 AM
Project:	LB95836	Date Received:	6/1/2018 12:00:00 AM
Client Sample ID:	A&M-WATER	SDG No.:	LB95836
Lab Sample ID:	J3306-03	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
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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: LB95836

SDG No.: LB95836

Contract: _____ Lab Code: CHEM

Case No.: LB95836

SAS No.: LB95836

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	0.91	1	91		90 - 110		06/06/2018	08:38	LB95836



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB95836

SDG No.: LB95836

Contract: _____ Lab Code: CHEM

Case No.: LB95836

SAS No.: LB95836

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	0.93	1	93		90 - 110		06/06/2018	08:38	LB95836
CCV2	Ammonia as N	0.92	1	92		90 - 110		06/06/2018	08:48	LB95836
CCV3	Ammonia as N	0.95	1	95		90 - 110		06/06/2018	08:48	LB95836



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB95836

SDG No.: LB95836

Contract:

Lab Code: CHEM

Case No.: LB95836

SAS No.: LB95836

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	06/06/2018	08:38	LB95836



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB95836

SDG No.: LB95836

Contract:

Lab Code: CHEM

Case No.: LB95836

SAS No.: LB95836

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Ammonia as N	0.0093	+/-0.1	U			0.1	06/06/2018	08:38	LB95836
CCB2	Ammonia as N	0.013	+/-0.1	U			0.1	06/06/2018	08:48	LB95836
CCB3	Ammonia as N	0.012	+/-0.1	U			0.1	06/06/2018	08:48	LB95836



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB95836

SDG No.: LB95836

Contract: Lab Code: CHEM

Case No.: LB95836

SAS No.: LB95836

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: LB95836

SDG No.: LB95836

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
PB109998BL	Ammonia as N	SOLID		Batch Number:		PB109998		Prep Date:	06/05/2018	
		0.7	<4.9	U		4.9		06/06/2018	08:38	LB95836
Sample ID	Analyte	Result (mg/L)	Acceptance Limit	Conc Qual	LOD mg/L	CRQL mg/L	M	Analysis Date	Analysis Time	Run
PB109999BL	Ammonia as N	WATER		Batch Number:		PB109999		Prep Date:	06/05/2018	
		0.011	<0.1	U		0.1		06/06/2018	08:38	LB95836



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB95836 level: low sdg no.: LB95836
contract: lab code: CHEM case no.: LB95836 sas no.: LB95836
matrix: Solid sample id: J3284-01 client id: QUINTON-TOPSOILMS
Percent Solids for Sample: 88.3 Spiked ID: J3284-01MS Percent Solids for Spike Sample: 88.3

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Ammonia as N	mg/Kg	75 - 125	72.7		30.8		55	76		



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB95836 level: low sdg no.: LB95836
contract: lab code: CHEM case no.: LB95836 sas no.: LB95836
matrix: Solid sample id: J3284-01 client id: QUINTON-TOPSOILMSD
Percent Solids for Sample: 88.3 Spiked ID: J3284-01MSD Percent Solids for Spike Sample: 88.3

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Ammonia as N	mg/Kg	75 - 125	73.5		30.8		54.4	78		



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB95836 level: low sdg no.: LB95836
contract: lab code: CHEM case no.: LB95836 sas no.: LB95836
matrix: WATER sample id: J3306-03 client id: A&M-WATERMS
Percent Solids for Sample: 0 Spiked ID: J3306-03MS 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	11.1		9.7		10	14	*	



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB95836 level: low sdg no.: LB95836
contract: lab code: CHEM case no.: LB95836 sas no.: LB95836
matrix: WATER sample id: J3306-03 client id: A&M-WATERMSD
Percent Solids for Sample: 0 Spiked ID: J3306-03MSD 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	11.7		9.7		10	20	*	

GENCHEM

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB95836 **Level:** LOW **SDG No.:** LB95836
Contract: **Lab Code:** CHEM **Case No.:** LB95836 **SAS No.:** LB95836
Matrix: Solid **Sample ID:** J3284-01 **Client ID:** QUINTON-TOPSOILDUP
Percent Solids for Sample: 88.3 **Duplicate ID** J3284-01DUP **Percent Solids for Spike Sample:** 88.3

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Ammonia as N	mg/Kg	20	30.8		30.6		1		

GENCHEM

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB95836 **Level:** LOW **SDG No.:** LB95836
Contract: **Lab Code:** CHEM **Case No.:** LB95836 **SAS No.:** LB95836
Matrix: Solid **Sample ID:** J3284-01MS **Client ID:** QUINTON-TOPSOILMSD
Percent Solids for Sample: 88.3 **Duplicate ID** J3284-01MSD **Percent Solids for Spike Sample:** 88.3

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Ammonia as N	mg/Kg	20	72.7		73.5		1		

GENCHEM

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB95836 **Level:** LOW **SDG No.:** LB95836
Contract: **Lab Code:** CHEM **Case No.:** LB95836 **SAS No.:** LB95836
Matrix: WATER **Sample ID:** J3306-03 **Client ID:** A&M-WATERDUP
Percent Solids for Sample: 0 **Duplicate ID** J3306-03DUP **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	9.7		10.1		4		



GENCHEM

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB95836 **Level:** LOW **SDG No.:** LB95836
Contract: **Lab Code:** CHEM **Case No.:** LB95836 **SAS No.:** LB95836
Matrix: WATER **Sample ID:** J3306-03MS **Client ID:** A&M-WATERMSD
Percent Solids for Sample: 0 **Duplicate ID** J3306-03MSD **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	11.1		11.7		5		



GENCHEM

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: LB95836

SDG No.: LB95836

Contract:

Lab Code: CHEM

Case No.: LB95836

SAS No.: LB95836

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB109998BS Ammonia as N	mg/Kg	49.5	45.6		92.1	80 - 120	



GENCHEM

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: LB95836

SDG No.: LB95836

Contract:

Lab Code: CHEM

Case No.: LB95836

SAS No.: LB95836

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB109999BS Ammonia as N	mg/L	1	0.92		92	80 - 120	