

Daily Analysis Runlog For Sequence/QC Batch ID # LB94939

Review By

Review On

SubDirectory

LB94939

Test :

Ammonia

STD. NAME		STD REF.#				
ICAL Standard		WP64030				
ICV Standard		WP64032				
CCV Standard		WP64031				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP63868				
Chk Standard		WP61582,WP63749,WP63750,WP63751				

Sr#	SampleId	ClientID	QcType	Date	Comment	Status
1	0.1PPM	0.1PPM	CAL1	04/27/18 08:00		OK
2	0.2PPM	0.2PPM	CAL2	04/27/18 08:00		OK
3	0.4PPM	0.4PPM	CAL3	04/27/18 08:00		OK
4	1.0PPM	1.0PPM	CAL4	04/27/18 08:00		OK
5	1.3PPM	1.3PPM	CAL5	04/27/18 08:00		OK
6	2.0PPM	2.0PPM	CAL6	04/27/18 08:00		OK
7	ICV1	ICV1	ICV	04/27/18 08:33		OK
8	ICB1	ICB1	ICB	04/27/18 08:33		OK
9	CCV1	CCV1	CCV	04/27/18 08:33		OK
10	CCB1	CCB1	CCB	04/27/18 08:33		OK
11	PB108648BL	PB108648BL	MB	04/27/18 08:33		OK
12	PB108648BS	PB108648BS	LCS	04/27/18 08:33		OK
13	J2573-01	EME-4-25	SAM	04/27/18 08:33		OK
14	J2573-01DUP	EME-4-25DUP	DUP	04/27/18 08:33		OK
15	J2573-01MS	EME-4-25MS	MS	04/27/18 08:33		OK
16	J2573-01MSD	EME-4-25MSD	MSD	04/27/18 08:33		OK
17	J2573-02	EME-BW	SAM	04/27/18 08:33		OK
18	J2573-03	EME-JCS	SAM	04/27/18 08:33		OK
19	J2579-01	FK-PS-01-023	SAM	04/27/18 08:41		OK
20	J2582-01	FK-PS-01-022	SAM	04/27/18 08:41		OK
21	CCV2	CCV2	CCV	04/27/18 08:41		OK



Instrument ID : KONELAB

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

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Review By		Review On				
SubDirectory		LB94939		Test : Ammonia		
STD. NAME		STD REF.#				
ICAL Standard		WP64030				
ICV Standard		WP64032				
CCV Standard		WP64031				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP63868				
Chk Standard		WP61582,WP63749,WP63750,WP63751				
22	CCB2	CCB2	CCB	04/27/18 08:42		OK
23	J2585-01	FK-PS-01.022	SAM	04/27/18 08:42		OK
24	J2576-01	FK-PS-01.023	SAM	04/27/18 08:42		OK
25	CCV3	CCV3	CCV	04/27/18 08:42		OK
26	CCB3	CCB3	CCB	04/27/18 08:42		OK

Report of Analysis

Client:		Date Collected:	4/25/2018 12:00:00 AM
Project:	LB94939	Date Received:	4/25/2018 12:00:00 AM
Client Sample ID:	EME-4-25	SDG No.:	LB94939
Lab Sample ID:	J2573-01	Matrix:	Solid
Level (low/med):	low	% Solid:	79.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Ammonia as N	43.2		1	2.1		6.1	mg/Kg	04/26/2018	04/27/2018	SM4500-NH3



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Report of Analysis

Client:		Date Collected:	4/25/2018 12:00:00 AM
Project:	LB94939	Date Received:	4/25/2018 12:00:00 AM
Client Sample ID:	EME-BW	SDG No.:	LB94939
Lab Sample ID:	J2573-02	Matrix:	Solid
Level (low/med):	low	% Solid:	83.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Ammonia as N	13.4		1	1.9		5.6	mg/Kg	04/26/2018	04/27/2018	SM4500-NH3



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Report of Analysis

Client:		Date Collected:	4/25/2018 12:00:00 AM
Project:	LB94939	Date Received:	4/25/2018 12:00:00 AM
Client Sample ID:	EME-JCS	SDG No.:	LB94939
Lab Sample ID:	J2573-03	Matrix:	Solid
Level (low/med):	low	% Solid:	96.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Ammonia as N	1.9	J	1	1.7		4.9	mg/Kg	04/26/2018	04/27/2018	SM4500-NH3



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Report of Analysis

Client:		Date Collected:	4/25/2018 12:00:00 AM
Project:	LB94939	Date Received:	4/25/2018 12:00:00 AM
Client Sample ID:	FK-PS-01.023	SDG No.:	LB94939
Lab Sample ID:	J2576-01	Matrix:	Solid
Level (low/med):	low	% Solid:	82.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Ammonia as N	39.3		1	2		5.8	mg/Kg	04/26/2018	04/27/2018	SM4500-NH3



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Report of Analysis

Client:		Date Collected:	4/25/2018 12:00:00 AM
Project:	LB94939	Date Received:	4/25/2018 12:00:00 AM
Client Sample ID:	FK-PS-01-023	SDG No.:	LB94939
Lab Sample ID:	J2579-01	Matrix:	Solid
Level (low/med):	low	% Solid:	78.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Ammonia as N	40.4		1	2.1		6.2	mg/Kg	04/26/2018	04/27/2018	SM4500-NH3



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Report of Analysis

Client:		Date Collected:	4/25/2018 12:00:00 AM
Project:	LB94939	Date Received:	4/25/2018 12:00:00 AM
Client Sample ID:	FK-PS-01-022	SDG No.:	LB94939
Lab Sample ID:	J2582-01	Matrix:	Solid
Level (low/med):	low	% Solid:	83

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Ammonia as N	35.9		1	2		5.8	mg/Kg	04/26/2018	04/27/2018	SM4500-NH3



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Report of Analysis

Client:		Date Collected:	4/25/2018 12:00:00 AM
Project:	LB94939	Date Received:	4/25/2018 12:00:00 AM
Client Sample ID:	FK-PS-01.022	SDG No.:	LB94939
Lab Sample ID:	J2585-01	Matrix:	Solid
Level (low/med):	low	% Solid:	80.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Ammonia as N	31.3		1	2		5.9	mg/Kg	04/26/2018	04/27/2018	SM4500-NH3



Report of Analysis

Client:		Date Collected:	4/25/2018 12:00:00 AM
Project:	LB94939	Date Received:	4/25/2018 12:00:00 AM
Client Sample ID:	FK-PS-01.022	SDG No.:	LB94939
Lab Sample ID:	J2585-01	Matrix:	Solid
Level (low/med):	low	% Solid:	80.2

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: LB94939

SDG No.: LB94939

Contract: _____ Lab Code: CHEM

Case No.: LB94939

SAS No.: LB94939

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	0.92	1	92		90 - 110		04/27/2018	08:33	lb94939
CCV2	Ammonia as N	0.94	1	94		90 - 110		04/27/2018	08:41	lb94939
CCV3	Ammonia as N	0.95	1	95		90 - 110		04/27/2018	08:42	lb94939



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB94939

SDG No.: LB94939

Contract:

Lab Code: CHEM

Case No.: LB94939

SAS No.: LB94939

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Ammonia as N	0.004	+/-0.1	U			0.1	04/27/2018	08:33	1b94939



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB94939

SDG No.: LB94939

Contract:

Lab Code: CHEM

Case No.: LB94939

SAS No.: LB94939

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Ammonia as N	0.011	+/-0.1	U			0.1	04/27/2018	08:33	1b94939
CCB2	Ammonia as N	0.0093	+/-0.1	U			0.1	04/27/2018	08:42	1b94939
CCB3	Ammonia as N	0.025	+/-0.1	U			0.1	04/27/2018	08:42	1b94939



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB94939

SDG No.: LB94939

Contract:

Lab Code: CHEM

Case No.: LB94939

SAS No.: LB94939

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: LB94939

SDG No.: LB94939

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
PB108648BL		SOLID		Batch Number:		PB108648		Prep Date:	04/26/2018	
	Ammonia as N	0.23	<4.9	U		4.9		04/27/2018	08:33	lb94939



GENCHEM
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MATRIX SPIKE SUMMARY

client: LB94939 level: low sdg no.: LB94939
contract: lab code: CHEM case no.: LB94939 sas no.: LB94939
matrix: Solid sample id: J2573-01 client id: EME-4-25MS
Percent Solids for Sample: 79.9 Spiked ID: J2573-01MS Percent Solids for Spike Sample: 79.9

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Ammonia as N	mg/Kg	75 - 125	102		43.2		60.2	98		



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB94939 level: low sdg no.: LB94939
contract: lab code: CHEM case no.: LB94939 sas no.: LB94939
matrix: Solid sample id: J2573-01 client id: EME-4-25MSD
Percent Solids for Sample: 79.9 Spiked ID: J2573-01MSD Percent Solids for Spike Sample: 79.9

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Ammonia as N	mg/Kg	75 - 125	99.4		43.2		59.6	94		

GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB94939 **Level:** LOW **SDG No.:** LB94939
Contract: **Lab Code:** CHEM **Case No.:** LB94939 **SAS No.:** LB94939
Matrix: Solid **Sample ID:** J2573-01 **Client ID:** EME-4-25DUP
Percent Solids for Sample: 79.9 **Duplicate ID** J2573-01DUP **Percent Solids for Spike Sample:** 79.9

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Ammonia as N	mg/Kg	20	43.2		41.6		4		

GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB94939 **Level:** LOW **SDG No.:** LB94939
Contract: **Lab Code:** CHEM **Case No.:** LB94939 **SAS No.:** LB94939
Matrix: Solid **Sample ID:** J2573-01MS **Client ID:** EME-4-25MSD
Percent Solids for Sample: 79.9 **Duplicate ID** J2573-01MSD **Percent Solids for Spike Sample:** 79.9

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Ammonia as N	mg/Kg	20	102		99.4		3		



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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB94939

SDG No.: LB94939

Contract:

Lab Code: CHEM

Case No.: LB94939

SAS No.: LB94939

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB108648BS Ammonia as N	mg/Kg	48.5	48.2		99.4	80 - 120	