

Daily Analysis Runlog For Sequence/QC Batch ID # LB90885

Review By		Review On				
SubDirectory		LB90885		Test : Ammonia		
STD. NAME		STD REF.#				
ICAL Standard		WP58826				
ICV Standard		WP58828				
CCV Standard		WP58827				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP57031,WP58272,WP58041,WP58040				

Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.1PPM	0.1PPM	CAL1	10/17/17 16:31		OK
2	0.2PPM	0.2PPM	CAL2	10/17/17 16:31		OK
3	0.4PPM	0.4PPM	CAL3	10/17/17 16:31		OK
4	1.0PPM	1.0PPM	CAL4	10/17/17 16:31		OK
5	1.3PPM	1.3PPM	CAL5	10/17/17 16:31		OK
6	2.0PPM	2.0PPM	CAL6	10/17/17 16:31		OK
7	ICV1	ICV1	ICV	10/17/17 16:58		OK
8	ICB1	ICB1	ICB	10/17/17 16:58		OK
9	CCV1	CCV1	CCV	10/17/17 16:58		OK
10	CCB1	CCB1	CCB	10/17/17 16:58		OK
11	PB103258BL	PB103258BL	MB	10/17/17 16:58		OK
12	PB103258BS	PB103258BS	LCS	10/17/17 16:58		OK
13	I5857-01	FK-PS-01-018	SAM	10/17/17 17:09		OK
14	I5857-01DUP	FK-PS-01-018DUP	DUP	10/17/17 17:09		OK
15	I5857-01MS	FK-PS-01-018MS	MS	10/17/17 17:09		OK
16	I5857-01MSD	FK-PS-01-018MSD	MSD	10/17/17 17:09		OK
17	CCV2	CCV2	CCV	10/17/17 17:09		OK
18	CCB2	CCB2	CCB	10/17/17 17:09		OK



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

Report of Analysis

Client:		Date Collected:	10/12/2017 12:00:00 AM
Project:	LB90885	Date Received:	10/12/2017 12:00:00 AM
Client Sample ID:	FK-PS-01-018	SDG No.:	LB90885
Lab Sample ID:	I5857-01	Matrix:	Solid
Level (low/med):	low	% Solid:	91.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Ammonia as N	9.2		1	1.8		5.3	mg/Kg	10/13/2017	10/17/2017	SM4500-NH3



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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: LB90885

SDG No.: LB90885

Contract: _____ Lab Code: CHEM

Case No.: LB90885

SAS No.: LB90885

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		10/17/2017	16:58	LB90885
CCV2	Ammonia as N	0.99	1	99	0	90 - 110		10/17/2017	17:09	LB90885



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB90885

SDG No.: LB90885

Contract:

Lab Code: CHEM

Case No.: LB90885

SAS No.: LB90885

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Ammonia as N	0.007	+/-0.1	U			0.1	10/17/2017	16:58	LB90885



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB90885

SDG No.: LB90885

Contract:

Lab Code: CHEM

Case No.: LB90885

SAS No.: LB90885

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Ammonia as N	0.0055	+/-0.1	U			0.1	10/17/2017	16:58	LB90885
CCB2	Ammonia as N	0.028	+/-0.1	U			0.1	10/17/2017	17:09	LB90885



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB90885

SDG No.: LB90885

Contract: Lab Code: CHEM

Case No.: LB90885

SAS No.: LB90885

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: LB90885

SDG No.: LB90885

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
PB103258BL		SOLID		Batch Number:		PB103258		Prep Date:	10/13/2017	
	Ammonia as N	0.12	<4.9	U		4.9		10/17/2017	16:58	LB90885



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- 5a -
MATRIX SPIKE SUMMARY

client: LB90885 level: low sdg no.: LB90885
contract: lab code: CHEM case no.: LB90885 sas no.: LB90885
matrix: Solid sample id: I5857-01 client id: FK-PS-01-018MS
Percent Solids for Sample: 91.9 Spiked ID: I5857-01MS Percent Solids for Spike Sample: 91.9

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Ammonia as N	mg/Kg	75 - 125	52.5		9.2		53.3	81		



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB90885 level: low sdg no.: LB90885
contract: lab code: CHEM case no.: LB90885 sas no.: LB90885
matrix: Solid sample id: I5857-01 client id: FK-PS-01-018MSD
Percent Solids for Sample: 91.9 Spiked ID: I5857-01MSD Percent Solids for Spike Sample: 91.9

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Ammonia as N	mg/Kg	75 - 125	52.9		9.2		52.8	83		

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DUPLICATE SAMPLE SUMMARY

Client: LB90885 **Level:** LOW **SDG No.:** LB90885
Contract: **Lab Code:** CHEM **Case No.:** LB90885 **SAS No.:** LB90885
Matrix: Solid **Sample ID:** I5857-01 **Client ID:** FK-PS-01-018DUP
Percent Solids for Sample: 91.9 **Duplicate ID** I5857-01DUP **Percent Solids for Spike Sample:** 91.9

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Ammonia as N	mg/Kg	20	9.2			7	27	*	

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DUPLICATE SAMPLE SUMMARY

Client: LB90885 **Level:** LOW **SDG No.:** LB90885
Contract: **Lab Code:** CHEM **Case No.:** LB90885 **SAS No.:** LB90885
Matrix: Solid **Sample ID:** I5857-01MS **Client ID:** FK-PS-01-018MSD
Percent Solids for Sample: 91.9 **Duplicate ID** I5857-01MSD **Percent Solids for Spike Sample:** 91.9

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Ammonia as N	mg/Kg	20	52.5		52.9		1		



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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB90885

SDG No.: LB90885

Contract:

Lab Code: CHEM

Case No.: LB90885

SAS No.: LB90885

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB103258BS Ammonia as N	mg/Kg	48.1	45.9		95.4	80 - 120	