

Daily Analysis Runlog For Sequence/QC Batch ID # LB89711

Review By		Review On				
SubDirectory		LB89711		Test : Ammonia		
STD. NAME		STD REF.#				
ICAL Standard		WP57494				
ICV Standard		WP57496				
CCV Standard		WP57494				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP57031,WP57459,WP57237,WP57238				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.1PPM	0.1PPM	CAL1	08/25/17 10:38		OK
2	0.2PPM	0.2PPM	CAL2	08/25/17 10:38		OK
3	0.4PPM	0.4PPM	CAL3	08/25/17 10:38		OK
4	1.0PPM	1.0PPM	CAL4	08/25/17 10:38		OK
5	1.3PPM	1.3PPM	CAL5	08/25/17 10:38		OK
6	2.0PPM	2.0PPM	CAL6	08/25/17 10:38		OK
7	ICV1	ICV1	ICV	08/25/17 11:10		OK
8	ICB1	ICB1	ICB	08/25/17 11:10		OK
9	CCV1	CCV1	CCV	08/25/17 11:10		OK
10	CCB1	CCB1	CCB	08/25/17 11:10		OK
11	PB101803BL	PB101803BL	MB	08/25/17 11:10		OK
12	PB101803BS	PB101803BS	LCS	08/25/17 11:10		OK
13	I4935-01	FK-PS-01-014	SAM	08/25/17 11:19		OK
14	I4935-01DUP	FK-PS-01-014DUP	DUP	08/25/17 11:19		OK
15	I4935-01MS	FK-PS-01-014MS	MS	08/25/17 11:19		OK
16	I4935-01MSD	FK-PS-01-014MSD	MSD	08/25/17 11:19		OK
17	I4938-01	IRON-LEAF-TOPSOI	SAM	08/25/17 11:19		OK
18	CCV2	CCV2	CCV	08/25/17 11:19		OK
19	CCB2	CCB2	CCB	08/25/17 11:19		OK



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Report of Analysis

Client:		Date Collected:	8/23/2017 12:00:00 AM
Project:	LB89711	Date Received:	8/23/2017 12:00:00 AM
Client Sample ID:	FK-PS-01-014	SDG No.:	LB89711
Lab Sample ID:	I4935-01	Matrix:	Solid
Level (low/med):	low	% Solid:	89

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Ammonia as N	22.5		1	1.9		5.5	mg/Kg	08/24/2017	08/25/2017	SM4500-NH3



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Report of Analysis

Client:		Date Collected:	8/22/2017 12:00:00 AM
Project:	LB89711	Date Received:	8/23/2017 12:00:00 AM
Client Sample ID:	IRON-LEAF-TOPSOIL	SDG No.:	LB89711
Lab Sample ID:	I4938-01	Matrix:	Solid
Level (low/med):	low	% Solid:	97.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Ammonia as N	12.7		1	1.7		4.9	mg/Kg	08/24/2017	08/25/2017	SM4500-NH3



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Report of Analysis

Client:		Date Collected:	8/22/2017 12:00:00 AM
Project:	LB89711	Date Received:	8/23/2017 12:00:00 AM
Client Sample ID:	IRON-LEAF-TOPSOIL	SDG No.:	LB89711
Lab Sample ID:	I4938-01	Matrix:	Solid
Level (low/med):	low	% Solid:	97.7

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: LB89711

SDG No.: LB89711

Contract: _____

Lab Code: CHEM

Case No.: LB89711

SAS No.: LB89711

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
ICV1	Ammonia as N	1	1	100	0	90 - 110		08/25/2017	11:10	LB89711



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- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB89711

SDG No.: LB89711

Contract: _____ Lab Code: CHEM

Case No.: LB89711

SAS No.: LB89711

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		08/25/2017	11:10	LB89711
CCV2	Ammonia as N	0.97	1	97	0	90 - 110		08/25/2017	11:19	LB89711



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB89711

SDG No.: LB89711

Contract:

Lab Code: CHEM

Case No.: LB89711

SAS No.: LB89711

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Ammonia as N	-0.013	+/-0.1	U		0.1		08/25/2017	11:10	LB89711



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB89711

SDG No.: LB89711

Contract:

Lab Code: CHEM

Case No.: LB89711

SAS No.: LB89711

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Ammonia as N	-0.0006	+/-0.1	U			0.1	08/25/2017	11:10	LB89711
CCB2	Ammonia as N	0.0076	+/-0.1	U			0.1	08/25/2017	11:19	LB89711



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB89711

SDG No.: LB89711

Contract: Lab Code: CHEM

Case No.: LB89711

SAS No.: LB89711

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: LB89711

SDG No.: LB89711

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
PB101803BL		SOLID		Batch Number:		PB101803		Prep Date:	08/24/2017	
	Ammonia as N	-0.28	<4.9	U		4.9		08/25/2017	11:10	LB89711



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- 5a -
MATRIX SPIKE SUMMARY

client: LB89711 level: low sdg no.: LB89711
contract: lab code: CHEM case no.: LB89711 sas no.: LB89711
matrix: Solid sample id: I4935-01 client id: FK-PS-01-014MS
Percent Solids for Sample: 89 Spiked ID: I4935-01MS Percent Solids for Spike Sample: 89

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Ammonia as N	mg/Kg	75 - 125	54.8		22.5		55.1	59	*	



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- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB89711 level: low sdg no.: LB89711
contract: lab code: CHEM case no.: LB89711 sas no.: LB89711
matrix: Solid sample id: I4935-01 client id: FK-PS-01-014MSD
Percent Solids for Sample: 89 Spiked ID: I4935-01MSD Percent Solids for Spike Sample: 89

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Ammonia as N	mg/Kg	75 - 125	57		22.5		54.5	63	*	

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DUPLICATE SAMPLE SUMMARY

Client: LB89711 **Level:** LOW **SDG No.:** LB89711
Contract: **Lab Code:** CHEM **Case No.:** LB89711 **SAS No.:** LB89711
Matrix: Solid **Sample ID:** I4935-01 **Client ID:** FK-PS-01-014DUP
Percent Solids for Sample: 89 **Duplicate ID** I4935-01DUP **Percent Solids for Spike Sample:** 89

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Ammonia as N	mg/Kg	20	22.5		22.8		1		

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DUPLICATE SAMPLE SUMMARY

Client: LB89711 **Level:** LOW **SDG No.:** LB89711
Contract: **Lab Code:** CHEM **Case No.:** LB89711 **SAS No.:** LB89711
Matrix: Solid **Sample ID:** I4935-01MS **Client ID:** FK-PS-01-014MSD
Percent Solids for Sample: 89 **Duplicate ID** I4935-01MSD **Percent Solids for Spike Sample:** 89

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Ammonia as N	mg/Kg	20	54.8		57		4		



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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB89711

SDG No.: LB89711

Contract:

Lab Code: CHEM

Case No.: LB89711

SAS No.: LB89711

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB101803BS Ammonia as N	mg/Kg	48.5	49.4		101.9	80 - 120	