

Daily Analysis Runlog For Sequence/QC Batch ID # LB89479

Review By		Review On				
SubDirectory		LB89479		Test : Ammonia		
STD. NAME		STD REF.#				
ICAL Standard		WP57239				
ICV Standard		WP57241				
CCV Standard		WP57240				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP57128				
Chk Standard		WP57031,WP57237,WP57238,WP56632				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.1PPM	0.1PPM	CAL1	08/15/17 08:45		OK
2	0.2PPM	0.2PPM	CAL2	08/15/17 08:45		OK
3	0.4PPM	0.4PPM	CAL3	08/15/17 08:45		OK
4	1.0PPM	1.0PPM	CAL4	08/15/17 08:45		OK
5	1.3PPM	1.3PPM	CAL5	08/15/17 08:45		OK
6	2.0PPM	2.0PPM	CAL6	08/15/17 08:45		OK
7	ICV1	ICV1	ICV	08/15/17 09:14		OK
8	ICB1	ICB1	ICB	08/15/17 09:14		OK
9	CCV1	CCV1	CCV	08/15/17 09:14		OK
10	CCB1	CCB1	CCB	08/15/17 09:15		OK
11	PB101537BL	PB101537BL	MB	08/15/17 09:15		OK
12	PB101537BS	PB101537BS	LCS	08/15/17 09:15		OK
13	I4727-01	FK-PS-01-012	SAM	08/15/17 09:15		OK
14	I4727-01DUP	FK-PS-01-012DUP	DUP	08/15/17 09:15		OK
15	I4727-01MS	FK-PS-01-012MS	MS	08/15/17 09:15		OK
16	I4727-01MSD	FK-PS-01-012MSD	MSD	08/15/17 09:15		OK
17	I4730-01	FK-PS-01-013	SAM	08/15/17 09:15		OK
18	CCV2	CCV2	CCV	08/15/17 09:15		OK
19	CCB2	CCB2	CCB	08/15/17 09:19		OK



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Report of Analysis

Client:		Date Collected:	8/10/2017 12:00:00 AM
Project:	LB89479	Date Received:	8/10/2017 12:00:00 AM
Client Sample ID:	FK-PS-01-012	SDG No.:	LB89479
Lab Sample ID:	I4727-01	Matrix:	Solid
Level (low/med):	low	% Solid:	91.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Ammonia as N	17.9		1	1.8		5.3	mg/Kg	08/14/2017	08/15/2017	SM4500-NH3



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Report of Analysis

Client:		Date Collected:	8/10/2017 12:00:00 AM
Project:	LB89479	Date Received:	8/10/2017 12:00:00 AM
Client Sample ID:	FK-PS-01-013	SDG No.:	LB89479
Lab Sample ID:	I4730-01	Matrix:	Solid
Level (low/med):	low	% Solid:	90.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Ammonia as N	13.1		1	1.8		5.3	mg/Kg	08/14/2017	08/15/2017	SM4500-NH3



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Report of Analysis

Client:		Date Collected:	8/10/2017 12:00:00 AM
Project:	LB89479	Date Received:	8/10/2017 12:00:00 AM
Client Sample ID:	FK-PS-01-013	SDG No.:	LB89479
Lab Sample ID:	I4730-01	Matrix:	Solid
Level (low/med):	low	% Solid:	90.7

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



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- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB89479

SDG No.: LB89479

Contract: _____ Lab Code: CHEM

Case No.: LB89479

SAS No.: LB89479

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	0.97	1	97	0	90 - 110		08/15/2017	09:14	LB89479



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- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB89479

SDG No.: LB89479

Contract: _____ Lab Code: CHEM

Case No.: LB89479

SAS No.: LB89479

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	0.95	1	95	0	90 - 110		08/15/2017	09:14	LB89479
CCV2	Ammonia as N	0.96	1	96	0	90 - 110		08/15/2017	09:15	LB89479

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Ammonia as N	0.0056	+/-0.1	U			0.1	08/15/2017	09:14	LB89479



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB89479

SDG No.: LB89479

Contract:

Lab Code: CHEM

Case No.: LB89479

SAS No.: LB89479

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Ammonia as N	-0.0046	+/-0.1	U			0.1	08/15/2017	09:15	LB89479
CCB2	Ammonia as N	0.014	+/-0.1	U			0.1	08/15/2017	09:19	LB89479



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB89479

SDG No.: LB89479

Contract: Lab Code: CHEM

Case No.: LB89479

SAS No.: LB89479

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: LB89479

SDG No.: LB89479

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
PB101537BL	Ammonia as N	SOLID -0.0049	<4.9	Batch Number: U		PB101537 4.9		Prep Date: 08/15/2017	08/14/2017 09:15	LB89479



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- 5a -
MATRIX SPIKE SUMMARY

client: LB89479 level: low sdg no.: LB89479
contract: lab code: CHEM case no.: LB89479 sas no.: LB89479
matrix: Solid sample id: I4727-01 client id: FK-PS-01-012MS
Percent Solids for Sample: 91.5 Spiked ID: I4727-01MS Percent Solids for Spike Sample: 91.5

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Ammonia as N	mg/Kg	75 - 125	58.4		17.9		53.6	76		



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- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB89479 level: low sdg no.: LB89479
contract: lab code: CHEM case no.: LB89479 sas no.: LB89479
matrix: Solid sample id: I4727-01 client id: FK-PS-01-012MSD
Percent Solids for Sample: 91.5 Spiked ID: I4727-01MSD Percent Solids for Spike Sample: 91.5

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Ammonia as N	mg/Kg	75 - 125	60.5		17.9		53.1	80		

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DUPLICATE SAMPLE SUMMARY

Client: LB89479 **Level:** LOW **SDG No.:** LB89479
Contract: **Lab Code:** CHEM **Case No.:** LB89479 **SAS No.:** LB89479
Matrix: Solid **Sample ID:** I4727-01 **Client ID:** FK-PS-01-012DUP
Percent Solids for Sample: 91.5 **Duplicate ID** I4727-01DUP **Percent Solids for Spike Sample:** 91.5

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Ammonia as N	mg/Kg	20	17.9		18.4		3		

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DUPLICATE SAMPLE SUMMARY

Client: LB89479 **Level:** LOW **SDG No.:** LB89479
Contract: **Lab Code:** CHEM **Case No.:** LB89479 **SAS No.:** LB89479
Matrix: Solid **Sample ID:** I4727-01MS **Client ID:** FK-PS-01-012MSD
Percent Solids for Sample: 91.5 **Duplicate ID** I4727-01MSD **Percent Solids for Spike Sample:** 91.5

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Ammonia as N	mg/Kg	20	58.4		60.5		4		



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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB89479

SDG No.: LB89479

Contract:

Lab Code: CHEM

Case No.: LB89479

SAS No.: LB89479

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB101537BS Ammonia as N	mg/Kg	48.5	46.3		95.5	80 - 120	