

Daily Analysis Runlog For Sequence/QC Batch ID # LB87416

Review By		Review On				
SubDirectory		LB87416		Test : Ammonia		
STD. NAME		STD REF.#				
ICAL Standard		WP54892				
ICV Standard		WP54894				
CCV Standard		WP54893				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP54692				
Chk Standard		WP54307,WP54308,WP54309,WP54502				

Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.1PPM	0.1PPM	CAL1	05/12/17 10:01		OK
2	0.2PPM	0.2PPM	CAL2	05/12/17 10:02		OK
3	0.4PPM	0.4PPM	CAL3	05/12/17 10:02		OK
4	1.0PPM	1.0PPM	CAL4	05/12/17 10:02		OK
5	1.3PPM	1.3PPM	CAL5	05/12/17 10:02		OK
6	2.0PPM	2.0PPM	CAL6	05/12/17 10:02		OK
7	ICV1	ICV1	ICV	05/12/17 10:32		OK
8	ICB1	ICB1	ICB	05/12/17 10:32		OK
9	CCV1	CCV1	CCV	05/12/17 10:32		OK
10	CCB1	CCB1	CCB	05/12/17 10:32		OK
11	PB98877BL	PB98877BL	MB	05/12/17 10:32		OK
12	PB98877BS	PB98877BS	LCS	05/12/17 10:32		OK
13	I3084-01	FK-PS-01-001	SAM	05/12/17 10:32		OK
14	I3084-01DUP	FK-PS-01-001DUP	DUP	05/12/17 10:32		OK
15	I3084-01MS	FK-PS-01-001MS	MS	05/12/17 10:32		OK
16	I3084-01MSD	FK-PS-01-001MSD	MSD	05/12/17 10:32		OK
17	I3087-01	FK-PS-01_001	SAM	05/12/17 10:32		OK
18	CCV2	CCV2	CCV	05/12/17 10:32		OK
19	CCB2	CCB2	CCB	05/12/17 10:37		OK



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Report of Analysis

Client:		Date Collected:	5/10/2017 12:00:00 AM
Project:	LB87416	Date Received:	5/10/2017 12:00:00 AM
Client Sample ID:	FK-PS-01-001	SDG No.:	LB87416
Lab Sample ID:	I3084-01	Matrix:	Solid
Level (low/med):	low	% Solid:	81

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Ammonia as N	23.3		1	2		5.9	mg/Kg	05/11/2017	05/12/2017	SM4500-NH3



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Project:	LB87416	Date Received:	5/10/2017 12:00:00 AM
Client Sample ID:	FK-PS-01_001	SDG No.:	LB87416
Lab Sample ID:	I3087-01	Matrix:	Solid
Level (low/med):	low	% Solid:	84

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Ammonia as N	19.9		1	1.9		5.7	mg/Kg	05/11/2017	05/12/2017	SM4500-NH3



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Report of Analysis

Client:		Date Collected:	5/10/2017 12:00:00 AM
Project:	LB87416	Date Received:	5/10/2017 12:00:00 AM
Client Sample ID:	FK-PS-01_001	SDG No.:	LB87416
Lab Sample ID:	I3087-01	Matrix:	Solid
Level (low/med):	low	% Solid:	84

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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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB87416

SDG No.: LB87416

Contract: _____ Lab Code: CHEM

Case No.: LB87416

SAS No.: LB87416

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	0.94	1	94	0	90 - 110		05/12/2017	10:32	LB87416
CCV2	Ammonia as N	0.91	1	91	0	90 - 110		05/12/2017	10:32	LB87416



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB87416

SDG No.: LB87416

Contract:

Lab Code: CHEM

Case No.: LB87416

SAS No.: LB87416

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Ammonia as N	0.003	+/-0.1	U			0.1	05/12/2017	10:32	LB87416

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Ammonia as N	0.0026	+/-0.1	U			0.1	05/12/2017	10:32	LB87416
CCB2	Ammonia as N	0.02	+/-0.1	U			0.1	05/12/2017	10:37	LB87416



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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client:

LB87416

SDG No.:

LB87416

Contract:

Lab Code:

CHEM

Case No.:

LB87416

SAS No.:

LB87416

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
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PREPARATION BLANK SUMMARY

Client: LB87416

SDG No.: LB87416

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
PB98877BL		SOLID		Batch Number:		PB98877		Prep Date:	05/11/2017	
	Ammonia as N	0.083	<4.9	U		4.9		05/12/2017	10:32	LB87416



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- 5a -
MATRIX SPIKE SUMMARY

client: LB87416 level: low sdg no.: LB87416
contract: lab code: CHEM case no.: LB87416 sas no.: LB87416
matrix: Solid sample id: I3084-01 client id: FK-PS-01-001MS
Percent Solids for Sample: 81 Spiked ID: I3084-01MS Percent Solids for Spike Sample: 81

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Ammonia as N	mg/Kg	75 - 125	69.6		23.3		59.4	78		

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- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB87416 level: low sdg no.: LB87416
contract: lab code: CHEM case no.: LB87416 sas no.: LB87416
matrix: Solid sample id: I3084-01 client id: FK-PS-01-001MSD
Percent Solids for Sample: 81 Spiked ID: I3084-01MSD Percent Solids for Spike Sample: 81

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Ammonia as N	mg/Kg	75 - 125	71.1		23.3		59.9	80		

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DUPLICATE SAMPLE SUMMARY

Client: LB87416 **Level:** LOW **SDG No.:** LB87416
Contract: **Lab Code:** CHEM **Case No.:** LB87416 **SAS No.:** LB87416
Matrix: Solid **Sample ID:** I3084-01 **Client ID:** FK-PS-01-001DUP
Percent Solids for Sample: 81 **Duplicate ID** I3084-01DUP **Percent Solids for Spike Sample:** 81

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Ammonia as N	mg/Kg	20	23.3		23.5		1		

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DUPLICATE SAMPLE SUMMARY

Client: LB87416 **Level:** LOW **SDG No.:** LB87416
Contract: **Lab Code:** CHEM **Case No.:** LB87416 **SAS No.:** LB87416
Matrix: Solid **Sample ID:** I3084-01MS **Client ID:** FK-PS-01-001MSD
Percent Solids for Sample: 81 **Duplicate ID** I3084-01MSD **Percent Solids for Spike Sample:** 81

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Ammonia as N	mg/Kg	20	69.6		71.1		2		



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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB87416

SDG No.: LB87416

Contract:

Lab Code: CHEM

Case No.: LB87416

SAS No.: LB87416

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB98877BS Ammonia as N	mg/Kg	48.5	44.1		90.9	80 - 120	