

Daily Analysis Runlog For Sequence/QC Batch ID # LB88399

Review By		Review On				
SubDirectory		LB88399		Test : Ammonia		
STD. NAME		STD REF.#				
ICAL Standard		WP55976				
ICV Standard		WP55978				
CCV Standard		WP55977				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP55961				
Chk Standard		WP55755,WP54309,WP55837,WP55838				
Sr#	SampleId	ClientID	QcType	Date	Comment	Status
1	0.1PPM	0.1PPM	CAL1	06/28/17 10:19		OK
2	0.2PPM	0.2PPM	CAL2	06/28/17 10:19		OK
3	0.4PPM	0.4PPM	CAL3	06/28/17 10:19		OK
4	1.0PPM	1.0PPM	CAL4	06/28/17 10:19		OK
5	1.3PPM	1.3PPM	CAL5	06/28/17 10:19		OK
6	2.0PPM	2.0PPM	CAL6	06/28/17 10:19		OK
7	ICV1	ICV1	ICV	06/28/17 10:56		OK
8	ICB1	ICB1	ICB	06/28/17 10:56		OK
9	CCV1	CCV1	CCV	06/28/17 10:56		OK
10	CCB1	CCB1	CCB	06/28/17 10:56		OK
11	PB100188BL	PB100188BL	MB	06/28/17 10:56		OK
12	PB100188BS	PB100188BS	LCS	06/28/17 10:56		OK
13	I3879-01	I16-005-MH	SAM	06/28/17 10:56	High	Dilution
14	I3879-01DUP	I16-005-MHDUP	DUP	06/28/17 10:56	High	Dilution
15	I3879-01MS	I16-005-MHMS	MS	06/28/17 10:56	High	Dilution
16	I3879-01MSD	I16-005-MHMSD	MSD	06/28/17 10:56	High	Dilution
17	CCV2	CCV2	CCV	06/28/17 10:56		OK
18	CCB2	CCB2	CCB	06/28/17 10:57		OK
19	I3879-01DL	I16-005-MHDL	SAM	06/28/17 11:20	10X Dilution	Confirms
20	I3879-01DUPDL	I16-005-MHDUPDL	DUP	06/28/17 11:20	10X Dilution	Confirms
21	I3879-01MSDL	I16-005-MHMSDL	MS	06/28/17 11:20	10X Dilution	Confirms



Instrument ID : KONELAB

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

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CRI Standard		N/A				
LCS Standard		WP55961				
Chk Standard		WP55755,WP54309,WP55837,WP55838				
22	I3879-01MSDDL	I16-005-MHMSDDL	MSD	06/28/17 11:20	10X Dilution	Confirms
23	CCV3	CCV3	CCV	06/28/17 11:20		OK
24	CCB3	CCB3	CCB	06/28/17 11:20		OK

Report of Analysis

Client:		Date Collected:	6/23/2017 12:00:00 AM
Project:	LB88399	Date Received:	6/23/2017 12:00:00 AM
Client Sample ID:	I16-005-MH	SDG No.:	LB88399
Lab Sample ID:	I3879-01	Matrix:	Solid
Level (low/med):	low	% Solid:	90.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Ammonia as N	273	OR	1	1.8		5.4	mg/Kg	06/26/2017	06/28/2017	SM4500-NH3



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Report of Analysis

Client:		Date Collected:	6/23/2017 12:00:00 AM
Project:	LB88399	Date Received:	6/23/2017 12:00:00 AM
Client Sample ID:	I16-005-MHDL	SDG No.:	LB88399
Lab Sample ID:	I3879-01DL	Matrix:	Solid
Level (low/med):	low	% Solid:	90.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Ammonia as N	276	D	10	18.2		53.6	mg/Kg	06/26/2017	06/28/2017	SM4500-NH3



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Report of Analysis

Client:		Date Collected:	6/23/2017 12:00:00 AM
Project:	LB88399	Date Received:	6/23/2017 12:00:00 AM
Client Sample ID:	I16-005-MHDL	SDG No.:	LB88399
Lab Sample ID:	I3879-01DL	Matrix:	Solid
Level (low/med):	low	% Solid:	90.6

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: LB88399

SDG No.: LB88399

Contract: _____ Lab Code: CHEM

Case No.: LB88399

SAS No.: LB88399

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	0.96	1	96	0	90 - 110		06/28/2017	10:56	LB88399



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB88399

SDG No.: LB88399

Contract: _____ Lab Code: CHEM

Case No.: LB88399

SAS No.: LB88399

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	0.97	1	97	0	90 - 110		06/28/2017	10:56	LB88399
CCV2	Ammonia as N	0.99	1	99	0	90 - 110		06/28/2017	10:56	LB88399
CCV3	Ammonia as N	0.98	1	98	0	90 - 110		06/28/2017	11:20	LB88399



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB88399

SDG No.: LB88399

Contract:

Lab Code: CHEM

Case No.: LB88399

SAS No.: LB88399

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Ammonia as N	0.0094	+/-0.1	U		0.1		06/28/2017	10:56	LB88399

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Ammonia as N	0.013	+/-0.1	U			0.1	06/28/2017	10:56	LB88399
CCB2	Ammonia as N	0.019	+/-0.1	U			0.1	06/28/2017	10:57	LB88399
CCB3	Ammonia as N	0.012	+/-0.1	U			0.1	06/28/2017	11:20	LB88399



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client:	LB88399	SDG No.:	LB88399				
Contract:		Lab Code:	CHEM	Case No.:	LB88399	SAS No.:	LB88399

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: LB88399

SDG No.: LB88399

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
PB100188BL	Ammonia as N	SOLID 0.64	<4.9	Batch Number: U		PB100188 4.9		Prep Date: 06/28/2017	06/26/2017 10:56	LB88399



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB88399 level: low sdg no.: LB88399
contract: lab code: CHEM case no.: LB88399 sas no.: LB88399
matrix: Solid sample id: I3879-01 client id: I16-005-MHMS
Percent Solids for Sample: 90.6 Spiked ID: I3879-01MS Percent Solids for Spike Sample: 90.6

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Ammonia as N	mg/Kg	75 - 125	413	OR	273	OR	54.1	259	*	



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB88399 level: low sdg no.: LB88399
contract: lab code: CHEM case no.: LB88399 sas no.: LB88399
matrix: Solid sample id: I3879-01 client id: I16-005-MHMSD
Percent Solids for Sample: 90.6 Spiked ID: I3879-01MSD Percent Solids for Spike Sample: 90.6

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Ammonia as N	mg/Kg	75 - 125	417	OR	273	OR	53.6	269	*	



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB88399 level: low sdg no.: LB88399
contract: lab code: CHEM case no.: LB88399 sas no.: LB88399
matrix: Solid sample id: I3879-01DL client id: I16-005-MHMSDDL
Percent Solids for Sample: 90.6 Spiked ID: I3879-01MSDDL Percent Solids for Spike Sample: 90.6

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Ammonia as N	mg/Kg	75 - 125	417	D	276	D	53.6	263	*	



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB88399 level: low sdg no.: LB88399
contract: lab code: CHEM case no.: LB88399 sas no.: LB88399
matrix: Solid sample id: I3879-01DL client id: I16-005-MHMSDL
Percent Solids for Sample: 90.6 Spiked ID: I3879-01MSDL Percent Solids for Spike Sample: 90.6

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Ammonia as N	mg/Kg	75 - 125	433	D	276	D	54.1	290	*	

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DUPLICATE SAMPLE SUMMARY

Client: LB88399 **Level:** LOW **SDG No.:** LB88399
Contract: **Lab Code:** CHEM **Case No.:** LB88399 **SAS No.:** LB88399
Matrix: Solid **Sample ID:** I3879-01 **Client ID:** I16-005-MHDUP
Percent Solids for Sample: 90.6 **Duplicate ID** I3879-01DUP **Percent Solids for Spike Sample:** 90.6

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Ammonia as N	mg/Kg	20	273	OR	281	OR	3		

GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB88399 **Level:** LOW **SDG No.:** LB88399
Contract: **Lab Code:** CHEM **Case No.:** LB88399 **SAS No.:** LB88399
Matrix: Solid **Sample ID:** I3879-01DL **Client ID:** I16-005-MHDUPDL
Percent Solids for Sample: 90.6 **Duplicate ID** I3879-01DUPDL **Percent Solids for Spike Sample:** 90.6

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Ammonia as N	mg/Kg	20	276	D	287	D	4		

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DUPLICATE SAMPLE SUMMARY

Client: LB88399 **Level:** LOW **SDG No.:** LB88399
Contract: **Lab Code:** CHEM **Case No.:** LB88399 **SAS No.:** LB88399
Matrix: Solid **Sample ID:** I3879-01MS **Client ID:** I16-005-MHMSD
Percent Solids for Sample: 90.6 **Duplicate ID** I3879-01MSD **Percent Solids for Spike Sample:** 90.6

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Ammonia as N	mg/Kg	20	413	OR	417	OR	1		

GENCHEM

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB88399 **Level:** LOW **SDG No.:** LB88399
Contract: **Lab Code:** CHEM **Case No.:** LB88399 **SAS No.:** LB88399
Matrix: Solid **Sample ID:** I3879-01MSDL **Client ID:** I16-005-MHMSDDL
Percent Solids for Sample: 90.6 **Duplicate ID** I3879-01MSDDL **Percent Solids for Spike Sample:** 90.6

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Ammonia as N	mg/Kg	20	433	D	417	D	4		



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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB88399

SDG No.: LB88399

Contract:

Lab Code: CHEM

Case No.: LB88399

SAS No.: LB88399

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB100188BS Ammonia as N	mg/Kg	48.5	47		96.9	80 - 120	