



## GENCHEM

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### INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB87074

SDG No.: LB87074

Contract: \_\_\_\_\_ Lab Code: CHEM

Case No.: LB87074

SAS No.: LB87074

Initial Calibration Source: \_\_\_\_\_

Continuing Calibration Source: \_\_\_\_\_

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Sample ID	Analyte	Result mg/L	True Value	% Recovery	% RSD	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV1	Ammonia as N	0.95	1	95	0	90 - 110		04/26/2017	14:55	LB87074

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## GENCHEM

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### INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB87074

SDG No.: LB87074

Contract: \_\_\_\_\_ Lab Code: CHEM

Case No.: LB87074

SAS No.: LB87074

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		04/26/2017	14:55	LB87074
CCV2	Ammonia as N	0.95	1	95	0	90 - 110		04/26/2017	14:55	LB87074
CCV3	Ammonia as N	0.96	1	96	0	90 - 110		04/26/2017	15:24	LB87074



**GENCHEM**

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## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

**Client:** LB87074

SDG No.: LB87074

**Contract:**

**Lab Code:** CHEM

**Case No.:** LB87074

**SAS No.:** LB87074

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Ammonia as N	0.084	+/-0.1	J		0.1		04/26/2017	14:55	LB87074



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### INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

**Client:** LB87074

SDG No.: LB87074

**Contract:**

Lab Code: CHEM

**Case No.:** LB87074

**SAS No.:** LB87074

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Ammonia as N	0.073	+/-0.1	J			0.1	04/26/2017	14:55	LB87074
CCB2	Ammonia as N	0.098	+/-0.1	J			0.1	04/26/2017	15:00	LB87074
CCB3	Ammonia as N	0.035	+/-0.1	J			0.1	04/26/2017	15:24	LB87074



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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB87074

SDG No.: LB87074

Contract: Lab Code: CHEM

Case No.: LB87074

SAS No.: LB87074

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
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## Report of Analysis

Client:		Date Collected:	4/24/2017 12:00:00 AM
Project:	LB87074	Date Received:	4/25/2017 12:00:00 AM
Client Sample ID:	EME-COMPOST-2	SDG No.:	LB87074
Lab Sample ID:	I2825-01	Matrix:	Solid
Level (low/med):	low	% Solid:	39.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Ammonia as N	344	OR	1	4.1		12	mg/Kg	04/25/2017	04/26/2017	SM4500-NH3



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## Report of Analysis

Client:		Date Collected:	4/24/2017 12:00:00 AM
Project:	LB87074	Date Received:	4/25/2017 12:00:00 AM
Client Sample ID:	EME-COMPOST-2DL	SDG No.:	LB87074
Lab Sample ID:	I2825-01DL	Matrix:	Solid
Level (low/med):	low	% Solid:	39.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Ammonia as N	348	D	2	8.2		24.1	mg/Kg	04/25/2017	04/26/2017	SM4500-NH3



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## Report of Analysis

Client:		Date Collected:	4/24/2017 12:00:00 AM
Project:	LB87074	Date Received:	4/25/2017 12:00:00 AM
Client Sample ID:	EME-COMPOST-02	SDG No.:	LB87074
Lab Sample ID:	I2828-01	Matrix:	Solid
Level (low/med):	low	% Solid:	41.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Ammonia as N	344	OR	1	3.9		11.4	mg/Kg	04/25/2017	04/26/2017	SM4500-NH3





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## Report of Analysis

Client:		Date Collected:	4/24/2017 12:00:00 AM
Project:	LB87074	Date Received:	4/25/2017 12:00:00 AM
Client Sample ID:	EME-COMPOST-02DL	SDG No.:	LB87074
Lab Sample ID:	I2828-01DL	Matrix:	Solid
Level (low/med):	low	% Solid:	41.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Ammonia as N	352	D	2	7.7		22.7	mg/Kg	04/25/2017	04/26/2017	SM4500-NH3



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## Report of Analysis

Client:		Date Collected:	4/24/2017 12:00:00 AM
Project:	LB87074	Date Received:	4/25/2017 12:00:00 AM
Client Sample ID:	EME-COMPOST-02DL	SDG No.:	LB87074
Lab Sample ID:	I2828-01DL	Matrix:	Solid
Level (low/med):	low	% Solid:	41.5

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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**PREPARATION BLANK SUMMARY**

**Client:** LB87074

**SDG No.:** LB87074

**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
<b>PB98475BL</b>	Ammonia as N	<b>SOLID</b> 3.8	<5	Batch Number: J		<b>PB98475</b> 5		<b>Prep Date:</b> 04/26/2017	<b>04/25/2017</b> 14:55	LB87074



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MATRIX SPIKE SUMMARY

client: LB87074 level: low sdg no.: LB87074  
contract: lab code: CHEM case no.: LB87074 sas no.: LB87074  
matrix: Solid sample id: I2825-01 client id: EME-COMPOST-2MS  
Percent Solids for Sample: 39.9 Spiked ID: I2825-01MS Percent Solids for Spike Sample: 39.9

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Ammonia as N	mg/Kg	75 - 125	470	OR	344	OR	120	105		



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MATRIX SPIKE DUPLICATE SUMMARY

client: LB87074 level: low sdg no.: LB87074  
contract: lab code: CHEM case no.: LB87074 sas no.: LB87074  
matrix: Solid sample id: I2825-01 client id: EME-COMPOST-2MSD  
Percent Solids for Sample: 39.9 Spiked ID: I2825-01MSD Percent Solids for Spike Sample: 39.9

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Ammonia as N	mg/Kg	75 - 125	463	OR	344	OR	120	99		



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MATRIX SPIKE DUPLICATE SUMMARY

client: LB87074 level: low sdg no.: LB87074  
contract: lab code: CHEM case no.: LB87074 sas no.: LB87074  
matrix: Solid sample id: I2825-01DL client id: EME-COMPOST-2MSDDL  
Percent Solids for Sample: 39.9 Spiked ID: I2825-01MSDDL Percent Solids for Spike Sample: 39.9

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Ammonia as N	mg/Kg	75 - 125	471	D	348	D	120	103		



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MATRIX SPIKE SUMMARY

client: LB87074 level: low sdg no.: LB87074  
contract: lab code: CHEM case no.: LB87074 sas no.: LB87074  
matrix: Solid sample id: I2825-01DL client id: EME-COMPOST-2MSDL  
Percent Solids for Sample: 39.9 Spiked ID: I2825-01MSDL Percent Solids for Spike Sample: 39.9

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Ammonia as N	mg/Kg	75 - 125	481	D	348	D	120	111		

# GENCHEM

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## DUPLICATE SAMPLE SUMMARY

**Client:** LB87074      **Level:** LOW      **SDG No.:** LB87074  
**Contract:**                           **Lab Code:** CHEM      **Case No.:** LB87074      **SAS No.:** LB87074  
**Matrix:** Solid      **Sample ID:** I2825-01      **Client ID:** EME-COMPOST-2DUP  
**Percent Solids for Sample:** 39.9      **Duplicate ID** I2825-01DUP      **Percent Solids for Spike Sample:** 39.9

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Ammonia as N	mg/Kg	20	344	OR	342	OR	1		



# GENCHEM

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## DUPLICATE SAMPLE SUMMARY

**Client:** LB87074      **Level:** LOW      **SDG No.:** LB87074  
**Contract:**                           **Lab Code:** CHEM      **Case No.:** LB87074      **SAS No.:** LB87074  
**Matrix:** Solid      **Sample ID:** I2825-01DL      **Client ID:** EME-COMPOST-2DUPDL  
**Percent Solids for Sample:** 39.9      **Duplicate ID** I2825-01DUPDL      **Percent Solids for Spike Sample:** 39.9

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Ammonia as N	mg/Kg	20	348	D	349	D	0		

# GENCHEM

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## DUPLICATE SAMPLE SUMMARY

**Client:** LB87074      **Level:** LOW      **SDG No.:** LB87074  
**Contract:**                           **Lab Code:** CHEM      **Case No.:** LB87074      **SAS No.:** LB87074  
**Matrix:** Solid      **Sample ID:** I2825-01MS      **Client ID:** EME-COMPOST-2MSD  
**Percent Solids for Sample:** 39.9      **Duplicate ID** I2825-01MSD      **Percent Solids for Spike Sample:** 39.9

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Ammonia as N	mg/Kg	20	470	OR	463	OR	2		

# GENCHEM

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## DUPLICATE SAMPLE SUMMARY

**Client:** LB87074      **Level:** LOW      **SDG No.:** LB87074  
**Contract:**                           **Lab Code:** CHEM      **Case No.:** LB87074      **SAS No.:** LB87074  
**Matrix:** Solid      **Sample ID:** I2825-01MSDL      **Client ID:** EME-COMPOST-2MSDDL  
**Percent Solids for Sample:** 39.9      **Duplicate ID** I2825-01MSDDL      **Percent Solids for Spike Sample:** 39.9

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Ammonia as N	mg/Kg	20	481	D	471	D	2		



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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB87074

SDG No.: LB87074

Contract:

Lab Code: CHEM

Case No.: LB87074

SAS No.: LB87074

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB98475BS Ammonia as N	mg/Kg	50	47.7		95.4	80 - 120	