

LB87074

Client:

GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

SDG No.: LB87074

Contract:		Lab C	Code: CH	EM	Cas	se No.: LB87074	<u> </u>	SAS	No.: <u>LB8</u>	7074
Initial Calibrat	tion Source:									
Continuing Cal	libration Source:									
		Result								
		mg/L	True Value	%	%	Acceptance		Analysis	Analysis	Run
Sample ID	Analyte			Recovery	RSD	Window (%R)	M	Date	Time	Number
ICV1	Ammonio os N	0.05		0.5	0	00 110		04/26/2017	14.55	I D07074



- 2a - INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB87074			SDG No.:	LB87074	
Contract:	Lab Code:	СНЕМ	Case No.:	LB87074	SAS No.: <u>LB87074</u>
Initial Calibration Source:		_			
Continuing Calibration Source:					

		Result								
		mg/L	True Value	%	%	Acceptance		Analysis	Analysis	Run
Sample ID	Analyte			Recovery	RSD	Window (%R)	M	Date	Time	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



- 3a 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
ICR1	Ammonia as N	0.084	+/-0 1	J		0	1	04/26/2017	14:55	LB87074



- 3a 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



- 3a -INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client:	LB87074		_		SDG No.	:	LB87074				
Contract:		Lab Code:	CHEM		Case No.	:	LB87074	_	SAS No.: LI	B87074_	
Samnle ID	Analyte	Result	Acceptance Limit	Conc	LOD CE	SUI	М	Analysis Date	Analysis Time	Run	



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

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



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

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



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



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: 12828-01DL Matrix: Solid

Level (low/med): low % Solid: 41.5

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



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax: 908 789 8922

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 LOQ / CRQL Units Prep Date Date Ana. Ana Met.

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 - 3b 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
PB98475BL		SOLID		Batch Nu	mber:	PB98475		Prep Date:	04/25/20	017
	Ammonia as N	3.8	<5	.I		5		04/26/2017	14.55	LB87074



- 5a -

MATRIX SPIKE SUMMARY

client:	LB87074		level	l:	low		sdg no.:	LB87074		_	
contract:			lab c	code	: CHEM	I	case no.:	LB87074	sa	s no.:	LB87074
matrix:	Solid		sample id	l:	<u>I2825-01</u>		_ client id:	EME-COMP	OST-2M	<u>s</u>	
Percent So	lids for Sample:	39.9	Spiked II	D :	I2825-01N	ИS	Percent Solid	s for Spike Sa	mple:	39	9.9
		Acceptance	Spiked		Sample		Spike	%			
Analyte	Units	Limit %R	Result	C	Result	C	Added	Recovery	Qual	M	
Ammonia as	N mg/Kg	75 - 125	470	OR	344	OR	120	105			



- 5a -

MATRIX SPIKE DUPLICATE SUMMARY

client: L	B87074		level:	low		sdg no.:	LB87074		_	
contract:			lab code	e: <u>CHEM</u>	1	case no.:	LB87074	sa	s no.:	LB87074
matrix:	Solid		sample id:	<u>I2825-01</u>		_ client id:	EME-COMP	OST-2M	SD	
Percent Solid	s for Sample:	39.9	Spiked ID:	I2825-011	MSD	Percent Solid	ls for Spike Sa	mple:	39.	9
		Acceptance	MSD	Sample		Spike	%			
Analyte	Units	Limit %R	Result C	Result	C	Added	Recovery	Qual	M	
Ammonia as N	mg/Kg	75 - 125	463 OR	344	OR	120	99			



- 5a -

MATRIX SPIKE DUPLICATE SUMMARY

client: L	B87074		level:	low	sdg no.:	LB87074		_	
contract:			lab code	: CHEM	case no.:	LB87074	sa	s no.:	LB87074
matrix:	Solid		sample id:	I2825-01DL	client id:	EME-COMP	OST-2M	SDDL	
Percent Solid	ds for Sample:	39.9	Spiked ID:	I2825-01MSDDL	Percent Solid	ds for Spike Sa	mple:	39.	9
		Acceptance	MSD	Sample	Spike	%			
Analyte	Units	Limit %R	Result C	Result C	Added	Recovery	Qual	M	
Ammonia as N	I mg/Kg	75 - 125	471 D	348 D	120	103			



- 5a -

MATRIX SPIKE SUMMARY

client:	LB87074		leve	l:	low		sdg no.:	LB87074		_	
contract:			lab	code	: CHEM	1	case no.:	LB87074	sa	s no.:	LB87074
matrix:	Solid		sample id	d:	<u>I2825-01D</u>		_ client id:	EME-COMP	OST-2MS	SDL	
Percent So	lids for Sample:	39.9	Spiked I	D:	I2825-011	MSDL	Percent Solid	s for Spike Sa	mple:	39).9
		Acceptance	Spiked		Sample		Spike	%			
Analyte	Units	Limit %R	Result	C	Result	C	Added	Recovery	Qual	M	
Ammonia as	N mg/Kg	75 - 125	481	D	348	D	120	111			



- 6 -

Client: I	Client: LB87074		Level: LOW		SDG N	lo.:	LB87074			
Contract:			Lab Code:	CHEM	Case N	No.:	LB87074	S A	AS No.:	LB87074
Matrix:	Solid		Sample ID: 128	25-01	Client ID	:	Е <u>МЕ-СОМР</u>	OST-2DI	JP	
Percent Soli	ids for Sample:	39.9	Duplicate ID 128	25-01DUP	Percent S	olids	for Spike Sa	mple:	39.	9
		Acceptance	Sample		Duplicate					
Analyte	Units	Limit	Result	C	Result	C	RPD	Qual	M	
Ammonia as 1	N mg/Kg	20	344	OR	342	OR	1			



- 6 -

Client: L	B87074		Level: I	LOW	SDG 1	No.:	LB87074		_	
Contract:			Lab Code	: CHEM	Case]	No.:	LB87074	S A	AS No.:	LB87074
Matrix:	Solid		Sample ID:	2825-01DL	Client ID) :	EME-COMP	OST-2DU	JPDL	
Percent Solid	ds for Sample:	39.9	Duplicate ID I	[2825-01DUPDI	Percent S	Solids	for Spike Sa	mple:	39.	9
		Acceptance	Sample		Duplicate					
Analyte	Units	Limit	Result	C	Result	C	RPD	Qual	M	
Ammonia as N	I mg/Kg	20	348	D	349	D	0			



- 6 -

Client: LE	387074		Level: L	OW	SDG	No.:	LB87074		_	
Contract:			Lab Code:	CHEM	Case	No.:	LB87074	S A	AS No.:	LB87074
Matrix:	Solid		Sample ID: 12	2825-01MS	Client II):]	ЕМЕ-СОМЕ	OST-2M	SD	
Percent Solid	s for Sample:	39.9	Duplicate ID 12	2825-01MSD	Percent	Solids	for Spike Sa	mple:	39.	9
		Acceptance	Sample		Duplicate					
Analyte	Units	Limit	Result	C	Result	C	RPD	Qual	M	
Ammonia as N	ma/Ka	20	470	OR	163	OR	2			



- 6 -

Client: LB	887074		Level: L	LOW	SDG No	LB87074		_	
Contract:			Lab Code:	CHEM	Case No	LB87074	SA	AS No.:	LB87074
Matrix:	Solid		Sample ID: I	2825-01MSDL	Client ID:	EME-COM	POST-2M	SDDL	
Percent Solids	for Sample:	39.9	Duplicate ID II	2825-01MSDDL	Percent Sol	ids for Spike S	ample:	39.9)
		Acceptance	Sample	Du	plicate				
Analyte	Units	Limit	Result	C F	Result (RPD	Qual	M	
Ammonia as N	mg/Kg	20	481	D	471 I) 2			



- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client:	LB87074			SDG No.:	LB87074			
Contract:		Lab Code:	СНЕМ	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		