

Daily Analysis Runlog For Sequence/QC Batch ID # LB91294

Review By

Review On

SubDirectory

LB91294

Test :

Ammonia

STD. NAME	STD REF.#
ICAL Standard	WP59339
ICV Standard	WP59341
CCV Standard	WP59340
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP59180
Chk Standard	WP57031,WP57231,WP59102,WP59101

Sr#	SampleId	ClientID	QcType	Date	Comment	Status
1	0.1PPM	0.1PPM	CAL1	11/02/17 09:01		OK
2	0.2PPM	0.2PPM	CAL2	11/02/17 09:01		OK
3	0.4PPM	0.4PPM	CAL3	11/02/17 09:01		OK
4	1.0PPM	1.0PPM	CAL4	11/02/17 09:01		OK
5	1.3PPM	1.3PPM	CAL5	11/02/17 09:01		OK
6	2.0PPM	2.0PPM	CAL6	11/02/17 09:01		OK
7	ICV1	ICV1	ICV	11/02/17 10:01		OK
8	ICB1	ICB1	ICB	11/02/17 10:01		OK
9	CCV1	CCV1	CCV	11/02/17 10:11		OK
10	CCB1	CCB1	CCB	11/02/17 10:11		OK
11	PB103888BL	PB103888BL	MB	11/02/17 10:11		OK
12	PB103888BS	PB103888BS	LCS	11/02/17 10:11		OK
13	I6143-01	RLF-GW-7S	SAM	11/02/17 10:12	NH3 High	Dilution
14	I6143-01DUP	RLF-GW-7SDUP	DUP	11/02/17 10:22		OK
15	I6143-01MS	RLF-GW-7SMS	MS	11/02/17 10:22		OK
16	I6143-01MSD	RLF-GW-7SMSD	MSD	11/02/17 10:22		OK
17	I6143-02	RLF-GW-9S	SAM	11/02/17 10:22		OK
18	I6143-06	RLF-FD-01	SAM	11/02/17 10:22	NH3 High	Dilution
19	I6160-05	RLF-SW-6	SAM	11/02/17 10:22	NH3 High	Dilution
20	I6160-06	RLF-FD-02	SAM	11/02/17 11:05	NH3 High	Dilution
21	CCV2	CCV2	CCV	11/02/17 11:05		OK

Daily Analysis Runlog For Sequence/QC Batch ID # LB91294

Review By		Review On				
SubDirectory		LB91294		Test : Ammonia		
STD. NAME		STD REF.#				
ICAL Standard		WP59339				
ICV Standard		WP59341				
CCV Standard		WP59340				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP59180				
Chk Standard		WP57031,WP57231,WP59102,WP59101				
22	CCB2	CCB2	CCB	11/02/17 11:05		OK
23	I6160-01	RLF-SW-1	SAM	11/02/17 11:31		OK
24	I6160-02	RLF-SW-3	SAM	11/02/17 11:31		OK
25	I6160-03	RLF-SW-4	SAM	11/02/17 11:31		OK
26	I6160-04	RLF-SW-5	SAM	11/02/17 11:31		OK
27	CCV3	CCV3	CCV	11/02/17 11:31		OK
28	CCB3	CCB3	CCB	11/02/17 11:31		OK
29	I6143-01DL	RLF-GW-7SDL	SAM	11/02/17 11:59	50X Dilution	Confirms
30	I6143-06DL	RLF-FD-01DL	SAM	11/02/17 11:59	50X Dilution	Confirms
31	I6160-05DL	RLF-SW-6DL	SAM	11/02/17 11:59	10X Dilution	Confirms
32	I6160-06DL	RLF-FD-02DL	SAM	11/02/17 11:59	10X Dilution	Confirms
33	CCV4	CCV4	CCV	11/02/17 11:59		OK
34	CCB4	CCB4	CCB	11/02/17 11:59		OK
35	PB103889BL	PB103889BL	MB	11/02/17 12:26		OK
36	PB103889BS	PB103889BS	LCS	11/02/17 12:26		OK
37	I6157-01	RLF-SD-1	SAM	11/02/17 12:26		OK
38	I6157-01DUP	RLF-SD-1DUP	DUP	11/02/17 12:26		OK
39	I6157-01MS	RLF-SD-1MS	MS	11/02/17 12:26		OK
40	I6157-01MSD	RLF-SD-1MSD	MSD	11/02/17 12:26		OK
41	I6157-02	RLF-SD-3	SAM	11/02/17 12:26		OK
42	I6157-03	RLF-SD-4	SAM	11/02/17 12:26		OK
43	I6157-04	RLF-SD-5	SAM	11/02/17 12:26		OK

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

Daily Analysis Runlog For Sequence/QC Batch ID # LB91294

Review By		Review On				
SubDirectory		Test : Ammonia				
LB91294						
STD. NAME		STD REF.#				
ICAL Standard		WP59339				
ICV Standard		WP59341				
CCV Standard		WP59340				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP59180				
Chk Standard		WP57031,WP57231,WP59102,WP59101				
44	I6157-05	RLF-SD-6	SAM	11/02/17 12:26		OK
45	CCV5	CCV5	CCV	11/02/17 12:32		OK
46	CCB5	CCB5	CCB	11/02/17 12:32		OK
47	I6157-06	RLF-FD-02	SAM	11/02/17 12:54		OK
48	CCV6	CCV6	CCV	11/02/17 12:54		OK
49	CCB6	CCB6	CCB	11/02/17 12:54		OK



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Report of Analysis

Client:		Date Collected:	10/24/2017 12:00:00 AM
Project:	LB91294	Date Received:	10/25/2017 12:00:00 AM
Client Sample ID:	RLF-GW-7S	SDG No.:	LB91294
Lab Sample ID:	I6143-01	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Ammonia as N	45.1	OR	1	0.034		0.1	mg/L	11/01/2017	11/02/2017	SM4500-NH3



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Report of Analysis

Client:		Date Collected:	10/24/2017 12:00:00 AM
Project:	LB91294	Date Received:	10/25/2017 12:00:00 AM
Client Sample ID:	RLF-GW-7SDL	SDG No.:	LB91294
Lab Sample ID:	I6143-01DL	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Ammonia as N	42.9	D	50	1.7		5	mg/L	11/01/2017	11/02/2017	SM4500-NH3



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Report of Analysis

Client:		Date Collected:	10/24/2017 12:00:00 AM
Project:	LB91294	Date Received:	10/25/2017 12:00:00 AM
Client Sample ID:	RLF-GW-9S	SDG No.:	LB91294
Lab Sample ID:	I6143-02	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Ammonia as N	1.8		1	0.034		0.1	mg/L	11/01/2017	11/02/2017	SM4500-NH3



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Report of Analysis

Client:		Date Collected:	10/24/2017 12:00:00 AM
Project:	LB91294	Date Received:	10/25/2017 12:00:00 AM
Client Sample ID:	RLF-FD-01	SDG No.:	LB91294
Lab Sample ID:	I6143-06	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Ammonia as N	45.1	OR	1	0.034		0.1	mg/L	11/01/2017	11/02/2017	SM4500-NH3



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Report of Analysis

Client:		Date Collected:	10/24/2017 12:00:00 AM
Project:	LB91294	Date Received:	10/25/2017 12:00:00 AM
Client Sample ID:	RLF-FD-01DL	SDG No.:	LB91294
Lab Sample ID:	I6143-06DL	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Ammonia as N	44.3	D	50	1.7		5	mg/L	11/01/2017	11/02/2017	SM4500-NH3



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Report of Analysis

Client:		Date Collected:	10/25/2017 12:00:00 AM
Project:	LB91294	Date Received:	10/26/2017 12:00:00 AM
Client Sample ID:	RLF-SD-1	SDG No.:	LB91294
Lab Sample ID:	I6157-01	Matrix:	Solid
Level (low/med):	low	% Solid:	70.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Ammonia as N	47.9		1	2.3		6.9	mg/Kg	11/01/2017	11/02/2017	SM4500-NH3



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Report of Analysis

Client:		Date Collected:	10/25/2017 12:00:00 AM
Project:	LB91294	Date Received:	10/26/2017 12:00:00 AM
Client Sample ID:	RLF-SD-3	SDG No.:	LB91294
Lab Sample ID:	I6157-02	Matrix:	Solid
Level (low/med):	low	% Solid:	66

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Ammonia as N	44.9		1	2.5		7.3	mg/Kg	11/01/2017	11/02/2017	SM4500-NH3



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Report of Analysis

Client:		Date Collected:	10/25/2017 12:00:00 AM
Project:	LB91294	Date Received:	10/26/2017 12:00:00 AM
Client Sample ID:	RLF-SD-4	SDG No.:	LB91294
Lab Sample ID:	I6157-03	Matrix:	Solid
Level (low/med):	low	% Solid:	64.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Ammonia as N	77.9		1	2.5		7.4	mg/Kg	11/01/2017	11/02/2017	SM4500-NH3



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Report of Analysis

Client:		Date Collected:	10/25/2017 12:00:00 AM
Project:	LB91294	Date Received:	10/26/2017 12:00:00 AM
Client Sample ID:	RLF-SD-5	SDG No.:	LB91294
Lab Sample ID:	I6157-04	Matrix:	Solid
Level (low/med):	low	% Solid:	52.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Ammonia as N	144		1	3.2		9.3	mg/Kg	11/01/2017	11/02/2017	SM4500-NH3

Report of Analysis

Client:		Date Collected:	10/25/2017 12:00:00 AM
Project:	LB91294	Date Received:	10/26/2017 12:00:00 AM
Client Sample ID:	RLF-SD-6	SDG No.:	LB91294
Lab Sample ID:	I6157-05	Matrix:	Solid
Level (low/med):	low	% Solid:	54.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Ammonia as N	151		1	3.1		9	mg/Kg	11/01/2017	11/02/2017	SM4500-NH3



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Report of Analysis

Client:		Date Collected:	10/25/2017 12:00:00 AM
Project:	LB91294	Date Received:	10/26/2017 12:00:00 AM
Client Sample ID:	RLF-FD-02	SDG No.:	LB91294
Lab Sample ID:	I6157-06	Matrix:	Solid
Level (low/med):	low	% Solid:	57.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Ammonia as N	148		1	2.9		8.4	mg/Kg	11/01/2017	11/02/2017	SM4500-NH3



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Report of Analysis

Client:		Date Collected:	10/25/2017 12:00:00 AM
Project:	LB91294	Date Received:	10/26/2017 12:00:00 AM
Client Sample ID:	RLF-SW-1	SDG No.:	LB91294
Lab Sample ID:	I6160-01	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Ammonia as N	0.13		1	0.034		0.1	mg/L	11/01/2017	11/02/2017	SM4500-NH3



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Report of Analysis

Client:		Date Collected:	10/25/2017 12:00:00 AM
Project:	LB91294	Date Received:	10/26/2017 12:00:00 AM
Client Sample ID:	RLF-SW-3	SDG No.:	LB91294
Lab Sample ID:	I6160-02	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Ammonia as N	0.14		1	0.034		0.1	mg/L	11/01/2017	11/02/2017	SM4500-NH3



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Report of Analysis

Client:		Date Collected:	10/25/2017 12:00:00 AM
Project:	LB91294	Date Received:	10/26/2017 12:00:00 AM
Client Sample ID:	RLF-SW-4	SDG No.:	LB91294
Lab Sample ID:	I6160-03	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Ammonia as N	0.13		1	0.034		0.1	mg/L	11/01/2017	11/02/2017	SM4500-NH3



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Report of Analysis

Client:		Date Collected:	10/25/2017 12:00:00 AM
Project:	LB91294	Date Received:	10/26/2017 12:00:00 AM
Client Sample ID:	RLF-SW-5	SDG No.:	LB91294
Lab Sample ID:	I6160-04	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Ammonia as N	0.12		1	0.034		0.1	mg/L	11/01/2017	11/02/2017	SM4500-NH3



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Report of Analysis

Client:		Date Collected:	10/25/2017 12:00:00 AM
Project:	LB91294	Date Received:	10/26/2017 12:00:00 AM
Client Sample ID:	RLF-SW-6	SDG No.:	LB91294
Lab Sample ID:	I6160-05	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Ammonia as N	7.3	OR	1	0.034		0.1	mg/L	11/01/2017	11/02/2017	SM4500-NH3



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Report of Analysis

Client:		Date Collected:	10/25/2017 12:00:00 AM
Project:	LB91294	Date Received:	10/26/2017 12:00:00 AM
Client Sample ID:	RLF-SW-6DL	SDG No.:	LB91294
Lab Sample ID:	I6160-05DL	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Ammonia as N	7.1	D	10	0.34		1	mg/L	11/01/2017	11/02/2017	SM4500-NH3



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Report of Analysis

Client:		Date Collected:	10/25/2017 12:00:00 AM
Project:	LB91294	Date Received:	10/26/2017 12:00:00 AM
Client Sample ID:	RLF-FD-02	SDG No.:	LB91294
Lab Sample ID:	I6160-06	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Ammonia as N	6.9	OR	1	0.034		0.1	mg/L	11/01/2017	11/02/2017	SM4500-NH3



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Report of Analysis

Client:		Date Collected:	10/25/2017 12:00:00 AM
Project:	LB91294	Date Received:	10/26/2017 12:00:00 AM
Client Sample ID:	RLF-FD-02DL	SDG No.:	LB91294
Lab Sample ID:	I6160-06DL	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Ammonia as N	6.6	D	10	0.34		1	mg/L	11/01/2017	11/02/2017	SM4500-NH3



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Report of Analysis

Client:		Date Collected:	10/25/2017 12:00:00 AM
Project:	LB91294	Date Received:	10/26/2017 12:00:00 AM
Client Sample ID:	RLF-FD-02DL	SDG No.:	LB91294
Lab Sample ID:	I6160-06DL	Matrix:	WATER
Level (low/med):	low	% Solid:	0

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: LB91294

SDG No.: LB91294

Contract: _____ Lab Code: CHEM

Case No.: LB91294

SAS No.: LB91294

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	0.9	1	90	0	90 - 110		11/02/2017	10:01	LB91294

GENCHEM**- 2a -****INITIAL AND CONTINUING CALIBRATION VERIFICATION****Client:** LB91294**SDG No.:** LB91294**Contract:** _____ **Lab Code:** CHEM**Case No.:** LB91294**SAS No.:** LB91294**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	0.93	1	93	0	90 - 110		11/02/2017	10:11	LB91294
CCV2	Ammonia as N	0.92	1	92	0	90 - 110		11/02/2017	11:05	LB91294
CCV3	Ammonia as N	1	1	100	0	90 - 110		11/02/2017	11:31	LB91294
CCV4	Ammonia as N	1	1	100	0	90 - 110		11/02/2017	11:59	LB91294
CCV5	Ammonia as N	1.1	1	110	0	90 - 110		11/02/2017	12:32	LB91294
CCV6	Ammonia as N	0.98	1	98	0	90 - 110		11/02/2017	12:54	LB91294



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB91294 **SDG No.:** LB91294
Contract: **Lab Code:** CHEM **Case No.:** LB91294 **SAS No.:** LB91294

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Ammonia as N	0.034	+/-0.1	J			0.1	11/02/2017	10:01	LB91294



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB91294

SDG No.: LB91294

Contract:

Lab Code: CHEM

Case No.: LB91294

SAS No.: LB91294

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Ammonia as N	0.071	+/-0.1	J			0.1	11/02/2017	10:11	LB91294
CCB2	Ammonia as N	0.032	+/-0.1	U			0.1	11/02/2017	11:05	LB91294
CCB3	Ammonia as N	0.033	+/-0.1	U			0.1	11/02/2017	11:31	LB91294
CCB4	Ammonia as N	0.031	+/-0.1	U			0.1	11/02/2017	11:59	LB91294
CCB5	Ammonia as N	0.038	+/-0.1	J			0.1	11/02/2017	12:32	LB91294
CCB6	Ammonia as N	0.035	+/-0.1	J			0.1	11/02/2017	12:54	LB91294



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB91294

SDG No.: LB91294

Contract: Lab Code: CHEM

Case No.: LB91294

SAS No.: LB91294

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: LB91294

SDG No.: LB91294

Instrument: Konelab 20

Sample ID	Analyte	Result (mg/L)	Acceptance Limit	Conc Qual	LOD mg/L	CRQL mg/L	M	Analysis Date	Analysis Time	Run
PB103888BL	Ammonia as N	WATER		Batch Number:		PB103888		Prep Date:	11/01/2017	
		0.07	<0.1	J		0.1		11/02/2017	10:11	LB91294
Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	LOD mg/Kg	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB103889BL	Ammonia as N	SOLID		Batch Number:		PB103889		Prep Date:	11/01/2017	
		1.5	<5	U		5		11/02/2017	12:26	LB91294



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB91294 level: low sdg no.: LB91294
contract: lab code: CHEM case no.: LB91294 sas no.: LB91294
matrix: WATER sample id: I6143-01 client id: RLF-GW-7SMS
Percent Solids for Sample: 0 Spiked ID: I6143-01MS Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Ammonia as N	mg/L	75 - 125	45.1	OR	45.1	OR	1	0	*	



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB91294 level: low sdg no.: LB91294
contract: lab code: CHEM case no.: LB91294 sas no.: LB91294
matrix: WATER sample id: I6143-01 client id: RLF-GW-7SMSD
Percent Solids for Sample: 0 Spiked ID: I6143-01MSD Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Ammonia as N	mg/L	75 - 125	45.1	OR	45.1	OR	1	0	*	



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB91294 level: low sdg no.: LB91294
contract: lab code: CHEM case no.: LB91294 sas no.: LB91294
matrix: Solid sample id: I6157-01 client id: RLF-SD-1MS
Percent Solids for Sample: 70.6 Spiked ID: I6157-01MS Percent Solids for Spike Sample: 70.6

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Ammonia as N	mg/Kg	75 - 125	108		47.9		69.4	87		



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB91294 level: low sdg no.: LB91294
contract: lab code: CHEM case no.: LB91294 sas no.: LB91294
matrix: Solid sample id: I6157-01 client id: RLF-SD-1MSD
Percent Solids for Sample: 70.6 Spiked ID: I6157-01MSD Percent Solids for Spike Sample: 70.6

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Ammonia as N	mg/Kg	75 - 125	112		47.9		68.8	93		

GENCHEM

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB91294 **Level:** LOW **SDG No.:** LB91294
Contract: _____ **Lab Code:** CHEM **Case No.:** LB91294 **SAS No.:** LB91294
Matrix: WATER **Sample ID:** I6143-01 **Client ID:** RLF-GW-7SDUP
Percent Solids for Sample: 0 **Duplicate ID** I6143-01DUP **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Ammonia as N	mg/L	20	45.1	OR	45.1	OR	0		

GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB91294 **Level:** LOW **SDG No.:** LB91294
Contract: **Lab Code:** CHEM **Case No.:** LB91294 **SAS No.:** LB91294
Matrix: WATER **Sample ID:** I6143-01MS **Client ID:** RLF-GW-7SMSD
Percent Solids for Sample: 0 **Duplicate ID** I6143-01MSD **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Ammonia as N	mg/L	20	45.1	OR	45.1	OR	0		

GENCHEM

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB91294 **Level:** LOW **SDG No.:** LB91294
Contract: **Lab Code:** CHEM **Case No.:** LB91294 **SAS No.:** LB91294
Matrix: Solid **Sample ID:** I6157-01 **Client ID:** RLF-SD-1DUP
Percent Solids for Sample: 70.6 **Duplicate ID** I6157-01DUP **Percent Solids for Spike Sample:** 70.6

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Ammonia as N	mg/Kg	20	47.9		49.4		3		

GENCHEM

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB91294 **Level:** LOW **SDG No.:** LB91294
Contract: **Lab Code:** CHEM **Case No.:** LB91294 **SAS No.:** LB91294
Matrix: Solid **Sample ID:** I6157-01MS **Client ID:** RLF-SD-1MSD
Percent Solids for Sample: 70.6 **Duplicate ID** I6157-01MSD **Percent Solids for Spike Sample:** 70.6

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Ammonia as N	mg/Kg	20	108		112		4		



GENCHEM

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: LB91294 SDG No.: LB91294
Contract: Lab Code: CHEM Case No.: LB91294 SAS No.: LB91294

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB103888BS Ammonia as N	mg/L	1	0.9		90	80 - 120	



GENCHEM

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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB91294

SDG No.: LB91294

Contract:

Lab Code: CHEM

Case No.: LB91294

SAS No.: LB91294

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB103889BS Ammonia as N	mg/Kg	48.5	39.5		81.4	80 - 120	