

Daily Analysis Runlog For Sequence/QC Batch ID # LB93748

Review By		Review On				
SubDirectory		LB93748		Test : Ammonia		
STD. NAME		STD REF.#				
ICAL Standard		WP62540				
ICV Standard		WP62542				
CCV Standard		WP62541				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP62513				
Chk Standard		WP61582,WP62168,WP62169,WP62170				
Sr#	SampleId	ClientID	QcType	Date	Comment	Status
1	0.1PPM	0.1PPM	CAL1	03/08/18 09:38		OK
2	0.2PPM	0.2PPM	CAL2	03/08/18 09:38		OK
3	0.4PPM	0.4PPM	CAL3	03/08/18 09:38		OK
4	1.0PPM	1.0PPM	CAL4	03/08/18 09:38		OK
5	1.3PPM	1.3PPM	CAL5	03/08/18 09:38		OK
6	2.0PPM	2.0PPM	CAL6	03/08/18 09:38		OK
7	ICV1	ICV1	ICV	03/08/18 10:21		OK
8	ICB1	ICB1	ICB	03/08/18 10:21		OK
9	CCV1	CCV1	CCV	03/08/18 10:21		OK
10	CCB1	CCB1	CCB	03/08/18 10:21		OK
11	PB107129BL	PB107129BL	MB	03/08/18 10:21		OK
12	PB107129BS	PB107129BS	LCS	03/08/18 10:21		OK
13	J1161-01	LOD-MDL-SOIL-01-C	SAM	03/08/18 10:21		OK
14	J1161-03	MDL-SOIL-03-QT1-2	SAM	03/08/18 10:21		OK
15	J1811-13	COMP-1	SAM	03/08/18 10:21		OK
16	J1811-13DUP	COMP-1DUP	DUP	03/08/18 10:21		OK
17	J1811-13MS	COMP-1MS	MS	03/08/18 10:21		OK
18	J1811-13MSD	COMP-1MSD	MSD	03/08/18 10:21		OK
19	J1811-14	COMP-2	SAM	03/08/18 10:31		OK
20	PB107130BL	PB107130BL	MB	03/08/18 10:32		OK
21	CCV2	CCV2	CCV	03/08/18 10:32		OK

Daily Analysis Runlog For Sequence/QC Batch ID # LB93748

Review By			Review On			
SubDirectory		LB93748		Test : Ammonia		
STD. NAME		STD REF.#				
ICAL Standard		WP62540				
ICV Standard		WP62542				
CCV Standard		WP62541				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP62513				
Chk Standard		WP61582,WP62168,WP62169,WP62170				
22	CCB2	CCB2	CCB	03/08/18 10:32		OK
23	PB107130BS	PB107130BS	LCS	03/08/18 10:32		OK
24	J1161-07	LOD-MDL-WATER-0	SAM	03/08/18 10:32		OK
25	J1161-09	MDL-WATER-03-QT	SAM	03/08/18 10:32		OK
26	J1791-01	001M-WILLETS-PT-B	SAM	03/08/18 10:32		OK
27	J1791-01DUP	001M-WILLETS-PT-B	DUP	03/08/18 10:32		OK
28	J1791-01MS	001M-WILLETS-PT-B	MS	03/08/18 10:32		OK
29	J1791-01MSD	001M-WILLETS-PT-B	MSD	03/08/18 10:32		OK
30	J1791-02	002M-35TH-AVE(MA	SAM	03/08/18 10:32		OK
31	CCV3	CCV3	CCV	03/08/18 10:38		OK
32	CCB3	CCB3	CCB	03/08/18 10:38		OK



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Report of Analysis

Client:		Date Collected:	1/16/2018 12:00:00 AM
Project:	LB93748	Date Received:	1/16/2018 12:00:00 AM
Client Sample ID:	LOD-MDL-SOIL-01-QT1-2018	SDG No.:	LB93748
Lab Sample ID:	J1161-01	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Ammonia as N	5.4		1	1.7		5	mg/Kg	03/06/2018	03/08/2018	SM4500-NH3



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Report of Analysis

Client:		Date Collected:	1/16/2018 12:00:00 AM
Project:	LB93748	Date Received:	1/16/2018 12:00:00 AM
Client Sample ID:	MDL-SOIL-03-QT1-2018	SDG No.:	LB93748
Lab Sample ID:	J1161-03	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Ammonia as N	5		1	1.7		4.9	mg/Kg	03/06/2018	03/08/2018	SM4500-NH3



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Report of Analysis

Client:		Date Collected:	1/16/2018 12:00:00 AM
Project:	LB93748	Date Received:	1/16/2018 12:00:00 AM
Client Sample ID:	LOD-MDL-WATER-01-QT1-2018	SDG No.:	LB93748
Lab Sample ID:	J1161-07	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	0.11		1	0.034		0.1	mg/L	03/06/2018	03/08/2018	SM4500-NH3



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Report of Analysis

Client:		Date Collected:	1/16/2018 12:00:00 AM
Project:	LB93748	Date Received:	1/16/2018 12:00:00 AM
Client Sample ID:	MDL-WATER-03-QT1-2018	SDG No.:	LB93748
Lab Sample ID:	J1161-09	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	0.11		1	0.034		0.1	mg/L	03/06/2018	03/08/2018	SM4500-NH3



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Report of Analysis

Client:		Date Collected:	3/1/2018 12:00:00 AM
Project:	LB93748	Date Received:	3/2/2018 12:00:00 AM
Client Sample ID:	001M-WILLETS-PT-BLVD(MAR)	SDG No.:	LB93748
Lab Sample ID:	J1791-01	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	1.3		1	0.034		0.1	mg/L	03/06/2018	03/08/2018	SM4500-NH3



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Report of Analysis

Client:		Date Collected:	3/1/2018 12:00:00 AM
Project:	LB93748	Date Received:	3/2/2018 12:00:00 AM
Client Sample ID:	002M-35TH-AVE(MAR)	SDG No.:	LB93748
Lab Sample ID:	J1791-02	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	1.2		1	0.034		0.1	mg/L	03/06/2018	03/08/2018	SM4500-NH3



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Report of Analysis

Client:		Date Collected:	3/5/2018 12:00:00 AM
Project:	LB93748	Date Received:	3/5/2018 12:00:00 AM
Client Sample ID:	COMP-1	SDG No.:	LB93748
Lab Sample ID:	J1811-13	Matrix:	Solid
Level (low/med):	low	% Solid:	86.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Ammonia as N	22.6		1	1.9		5.7	mg/Kg	03/06/2018	03/08/2018	SM4500-NH3



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Report of Analysis

Client:		Date Collected:	3/5/2018 12:00:00 AM
Project:	LB93748	Date Received:	3/5/2018 12:00:00 AM
Client Sample ID:	COMP-2	SDG No.:	LB93748
Lab Sample ID:	J1811-14	Matrix:	Solid
Level (low/med):	low	% Solid:	83.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Ammonia as N	35		1	2		5.7	mg/Kg	03/06/2018	03/08/2018	SM4500-NH3



Report of Analysis

Client:		Date Collected:	3/5/2018 12:00:00 AM
Project:	LB93748	Date Received:	3/5/2018 12:00:00 AM
Client Sample ID:	COMP-2	SDG No.:	LB93748
Lab Sample ID:	J1811-14	Matrix:	Solid
Level (low/med):	low	% Solid:	83.7

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: LB93748

SDG No.: LB93748

Contract: _____

Lab Code: CHEM

Case No.: LB93748

SAS No.: LB93748

Initial Calibration Source: _____

Continuing Calibration Source: _____

Sample ID	Analyte	Result mg/L	True Value	% Recovery	Qual	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV1	Ammonia as N	0.97	1	97		90 - 110		03/08/2018	10:21	LB93748



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB93748

SDG No.: LB93748

Contract: _____ Lab Code: CHEM

Case No.: LB93748

SAS No.: LB93748

Initial Calibration Source: _____

Continuing Calibration Source: _____

Sample ID	Analyte	Result mg/L	True Value	% Recovery	Qual	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV1	Ammonia as N	0.94	1	94		90 - 110		03/08/2018	10:21	LB93748
CCV2	Ammonia as N	0.96	1	96		90 - 110		03/08/2018	10:32	LB93748
CCV3	Ammonia as N	1	1	100		90 - 110		03/08/2018	10:38	LB93748



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB93748

SDG No.: LB93748

Contract:

Lab Code: CHEM

Case No.: LB93748

SAS No.: LB93748

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Ammonia as N	-0.0053	+/-0.1	U			0.1	03/08/2018	10:21	LB93748

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Ammonia as N	-0.0069	+/-0.1	U			0.1	03/08/2018	10:21	LB93748
CCB2	Ammonia as N	-0.0064	+/-0.1	U			0.1	03/08/2018	10:32	LB93748
CCB3	Ammonia as N	-0.0031	+/-0.1	U			0.1	03/08/2018	10:38	LB93748



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB93748

SDG No.: LB93748

Contract: Lab Code: CHEM

Case No.: LB93748

SAS No.: LB93748

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: LB93748

SDG No.: LB93748

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
PB107129BL	Ammonia as N	SOLID		Batch Number:		PB107129		Prep Date:	03/06/2018	
		-0.36	<4.9	U		4.9		03/08/2018	10:21	LB93748
Sample ID	Analyte	Result (mg/L)	Acceptance Limit	Conc Qual	LOD mg/L	CRQL mg/L	M	Analysis Date	Analysis Time	Run
PB107130BL	Ammonia as N	WATER		Batch Number:		PB107130		Prep Date:	03/06/2018	
		-0.0076	<0.1	U		0.1		03/08/2018	10:32	LB93748



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB93748 level: low sdg no.: LB93748
contract: lab code: CHEM case no.: LB93748 sas no.: LB93748
matrix: WATER sample id: J1791-01 client id: 001M-WILLETS-PT-BLVD(MAR) MS
Percent Solids for Sample: 0 Spiked ID: J1791-01MS 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	2.3	OR	1.3		1	100		



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB93748 level: low sdg no.: LB93748
contract: lab code: CHEM case no.: LB93748 sas no.: LB93748
matrix: WATER sample id: J1791-01 client id: 001M-WILLETS-PT-BLVD(MAR) MSD
Percent Solids for Sample: 0 Spiked ID: J1791-01MSD 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	2.3	OR	1.3		1	100		



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB93748 level: low sdg no.: LB93748
contract: lab code: CHEM case no.: LB93748 sas no.: LB93748
matrix: Solid sample id: J1811-13 client id: COMP-1MS
Percent Solids for Sample: 86.5 Spiked ID: J1811-13MS Percent Solids for Spike Sample: 86.5

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Ammonia as N	mg/Kg	75 - 125	69.8		22.6		56.1	84		



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB93748 level: low sdg no.: LB93748
contract: lab code: CHEM case no.: LB93748 sas no.: LB93748
matrix: Solid sample id: J1811-13 client id: COMP-1MSD
Percent Solids for Sample: 86.5 Spiked ID: J1811-13MSD Percent Solids for Spike Sample: 86.5

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Ammonia as N	mg/Kg	75 - 125	72.6		22.6		57.2	87		

GENCHEM

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB93748 **Level:** LOW **SDG No.:** LB93748
Contract: _____ **Lab Code:** CHEM **Case No.:** LB93748 **SAS No.:** LB93748
Matrix: WATER **Sample ID:** J1791-01 **Client ID:** 001M-WILLETS-PT-BLVD(MAR) DUP
Percent Solids for Sample: 0 **Duplicate ID** J1791-01DUP **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	1.3		1.3		0		

GENCHEM

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB93748 **Level:** LOW **SDG No.:** LB93748
Contract: _____ **Lab Code:** CHEM **Case No.:** LB93748 **SAS No.:** LB93748
Matrix: WATER **Sample ID:** J1791-01MS **Client ID:** 001M-WILLETS-PT-BLVD(MAR) MSD
Percent Solids for Sample: 0 **Duplicate ID** J1791-01MSD **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	2.3	OR	2.3	OR	0		

GENCHEM

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB93748 **Level:** LOW **SDG No.:** LB93748
Contract: **Lab Code:** CHEM **Case No.:** LB93748 **SAS No.:** LB93748
Matrix: Solid **Sample ID:** J1811-13 **Client ID:** COMP-1DUP
Percent Solids for Sample: 86.5 **Duplicate ID** J1811-13DUP **Percent Solids for Spike Sample:** 86.5

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Ammonia as N	mg/Kg	20	22.6		23.1		2		

GENCHEM

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB93748 **Level:** LOW **SDG No.:** LB93748
Contract: **Lab Code:** CHEM **Case No.:** LB93748 **SAS No.:** LB93748
Matrix: Solid **Sample ID:** J1811-13MS **Client ID:** COMP-1MSD
Percent Solids for Sample: 86.5 **Duplicate ID** J1811-13MSD **Percent Solids for Spike Sample:** 86.5

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Ammonia as N	mg/Kg	20	69.8		72.6		4		



GENCHEM

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: LB93748

SDG No.: LB93748

Contract:

Lab Code: CHEM

Case No.: LB93748

SAS No.: LB93748

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB107129BS Ammonia as N	mg/Kg	48.1	44.5		92.5	80 - 120	



GENCHEM

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: LB93748

SDG No.: LB93748

Contract:

Lab Code: CHEM

Case No.: LB93748

SAS No.: LB93748

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB107130BS Ammonia as N	mg/L	1	0.98		98	80 - 120	