

Daily Analysis Runlog For Sequence/QC Batch ID # LB94632

Review By		Review On				
SubDirectory		LB94632		Test : Ammonia		
STD. NAME		STD REF.#				
ICAL Standard		WP63719				
ICV Standard		WP63721				
CCV Standard		WP63720				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP63488				
Chk Standard		WP61582,WP62824,WP62827,WP62828				
Sr#	SampleId	ClientID	QcType	Date	Comment	Status
1	0.1PPM	0.1PPM	CAL1	04/16/18 09:22		OK
2	0.2PPM	0.2PPM	CAL2	04/16/18 09:22		OK
3	0.4PPM	0.4PPM	CAL3	04/16/18 09:22		OK
4	1.0PPM	1.0PPM	CAL4	04/16/18 09:22		OK
5	1.3PPM	1.3PPM	CAL5	04/16/18 09:22		OK
6	2.0PPM	2.0PPM	CAL6	04/16/18 09:22		OK
7	ICV1	ICV1	ICV	04/16/18 11:00		OK
8	ICB1	ICB1	ICB	04/16/18 11:00		OK
9	CCV1	CCV1	CCV	04/16/18 11:00		OK
10	CCB1	CCB1	CCB	04/16/18 11:00		OK
11	PB108238BL	PB108238BL	MB	04/16/18 11:00		OK
12	PB108238BS	PB108238BS	LCS	04/16/18 11:00		OK
13	J2363-01	EME-4-12	SAM	04/16/18 11:00		OK
14	J2363-01DUP	EME-4-12DUP	DUP	04/16/18 11:00		OK
15	J2363-01MS	EME-4-12MS	MS	04/16/18 11:00		OK
16	J2363-01MSD	EME-4-12MSD	MSD	04/16/18 11:00		OK
17	PB108239BL	PB108239BL	MB	04/16/18 11:00		OK
18	PB108239BS	PB108239BS	LCS	04/16/18 11:00		OK
19	J2366-01	001M-WILLETS-PT-B	SAM	04/16/18 11:09	high	Dilution
20	J2366-01DUP	001M-WILLETS-PT-B	DUP	04/16/18 11:09	high	Dilution
21	CCV2	CCV2	CCV	04/16/18 11:09		OK

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ICV Standard		WP63721				
CCV Standard		WP63720				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP63488				
Chk Standard		WP61582,WP62824,WP62827,WP62828				
22	CCB2	CCB2	CCB	04/16/18 11:09		OK
23	J2366-01MS	001M-WILLETS-PT-B	MS	04/16/18 11:09	high	Dilution
24	J2366-01MSD	001M-WILLETS-PT-B	MSD	04/16/18 11:09	high	Dilution
25	J2366-02	002M-35TH-AVE(AP	SAM	04/16/18 11:09	high	Dilution
26	CCV3	CCV3	CCV	04/16/18 11:09		OK
27	CCB3	CCB3	CCB	04/16/18 11:09		OK
28	J2366-01DL	001M-WILLETS-PT-B	SAM	04/16/18 11:52	report 5x	Confirms
29	J2366-01DUPDL	001M-WILLETS-PT-B	DUP	04/16/18 11:52	report 5x	Confirms
30	J2366-01MSDL	001M-WILLETS-PT-B	MS	04/16/18 11:52	report 5x	Confirms
31	J2366-01MSDDL	001M-WILLETS-PT-B	MSD	04/16/18 11:52	report 5x	Confirms
32	J2366-02DL	002M-35TH-AVE(AP	SAM	04/16/18 11:52	report 5x	Confirms
33	CCV4	CCV4	CCV	04/16/18 11:52		OK
34	CCB4	CCB4	CCB	04/16/18 11:52		OK



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Report of Analysis

Client:		Date Collected:	4/12/2018 12:00:00 AM
Project:	LB94632	Date Received:	4/12/2018 12:00:00 AM
Client Sample ID:	EME-4-12	SDG No.:	LB94632
Lab Sample ID:	J2363-01	Matrix:	Solid
Level (low/med):	low	% Solid:	78.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Ammonia as N	36		1	2.1		6.2	mg/Kg	04/13/2018	04/16/2018	SM4500-NH3



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Report of Analysis

Client:		Date Collected:	4/11/2018 12:00:00 AM
Project:	LB94632	Date Received:	4/12/2018 12:00:00 AM
Client Sample ID:	001M-WILLETS-PT-BLVD(APR)	SDG No.:	LB94632
Lab Sample ID:	J2366-01	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	4.3	OR	1	0.034		0.1	mg/L	04/13/2018	04/16/2018	SM4500-NH3



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Report of Analysis

Client:		Date Collected:	4/11/2018 12:00:00 AM
Project:	LB94632	Date Received:	4/12/2018 12:00:00 AM
Client Sample ID:	001M-WILLETS-PT-BLVD(APR)DL	SDG No.:	LB94632
Lab Sample ID:	J2366-01DL	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	4.2	D	5	0.17		0.5	mg/L	04/13/2018	04/16/2018	SM4500-NH3



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Report of Analysis

Client:		Date Collected:	4/11/2018 12:00:00 AM
Project:	LB94632	Date Received:	4/12/2018 12:00:00 AM
Client Sample ID:	002M-35TH-AVE(APR)	SDG No.:	LB94632
Lab Sample ID:	J2366-02	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	3.8	OR	1	0.034		0.1	mg/L	04/13/2018	04/16/2018	SM4500-NH3



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Report of Analysis

Client:		Date Collected:	4/11/2018 12:00:00 AM
Project:	LB94632	Date Received:	4/12/2018 12:00:00 AM
Client Sample ID:	002M-35TH-AVE(APR)DL	SDG No.:	LB94632
Lab Sample ID:	J2366-02DL	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	3.8	D	5	0.17		0.5	mg/L	04/13/2018	04/16/2018	SM4500-NH3



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Report of Analysis

Client:		Date Collected:	4/11/2018 12:00:00 AM
Project:	LB94632	Date Received:	4/12/2018 12:00:00 AM
Client Sample ID:	002M-35TH-AVE(APR)DL	SDG No.:	LB94632
Lab Sample ID:	J2366-02DL	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

Sample ID	Analyte	Result mg/L	True Value	% Recovery	Qual	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV1	Ammonia as N	0.94	1	94		90 - 110		04/16/2018	11:00	1b94632



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB94632

SDG No.: LB94632

Contract: _____ Lab Code: CHEM

Case No.: LB94632

SAS No.: LB94632

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	0.91	1	91		90 - 110		04/16/2018	11:00	lb94632
CCV2	Ammonia as N	0.95	1	95		90 - 110		04/16/2018	11:09	lb94632
CCV3	Ammonia as N	0.98	1	98		90 - 110		04/16/2018	11:09	lb94632
CCV4	Ammonia as N	0.93	1	93		90 - 110		04/16/2018	11:52	lb94632



GENCHEM
- 3b -
PREPARATION BLANK SUMMARY

Client: LB94632

SDG No.: LB94632

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
PB108238BL	Ammonia as N	SOLID		Batch Number:		PB108238		Prep Date:	04/13/2018	
		0.94	<5	U		5		04/16/2018	11:00	lb94632
Sample ID	Analyte	Result (mg/L)	Acceptance Limit	Conc Qual	LOD mg/L	CRQL mg/L	M	Analysis Date	Analysis Time	Run
PB108239BL	Ammonia as N	WATER		Batch Number:		PB108239		Prep Date:	04/13/2018	
		0.02	<0.1	U		0.1		04/16/2018	11:00	lb94632



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB94632 level: low sdg no.: LB94632
contract: lab code: CHEM case no.: LB94632 sas no.: LB94632
matrix: Solid sample id: J2363-01 client id: EME-4-12MS
Percent Solids for Sample: 78.5 Spiked ID: J2363-01MS Percent Solids for Spike Sample: 78.5

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Ammonia as N	mg/Kg	75 - 125	97.4		36		61.2	100		



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB94632 level: low sdg no.: LB94632
contract: lab code: CHEM case no.: LB94632 sas no.: LB94632
matrix: Solid sample id: J2363-01 client id: EME-4-12MSD
Percent Solids for Sample: 78.5 Spiked ID: J2363-01MSD Percent Solids for Spike Sample: 78.5

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Ammonia as N	mg/Kg	75 - 125	98.1		36		61.8	100		



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB94632 level: low sdg no.: LB94632
contract: lab code: CHEM case no.: LB94632 sas no.: LB94632
matrix: WATER sample id: J2366-01 client id: 001M-WILLETS-PT-BLVD(APR)MS
Percent Solids for Sample: 0 Spiked ID: J2366-01MS 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	5.2	OR	4.3	OR	1	90		



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB94632 level: low sdg no.: LB94632
contract: lab code: CHEM case no.: LB94632 sas no.: LB94632
matrix: WATER sample id: J2366-01 client id: 001M-WILLETS-PT-BLVD(APR)MSD
Percent Solids for Sample: 0 Spiked ID: J2366-01MSD 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	5	OR	4.3	OR	1	70	*	



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB94632 level: low sdg no.: LB94632
contract: lab code: CHEM case no.: LB94632 sas no.: LB94632
matrix: WATER sample id: J2366-01DL client id: 001M-WILLETS-PT-BLVD(APR)MSDDL
Percent Solids for Sample: 0 Spiked ID: J2366-01MSDDL 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	4.9	D	4.2	D	1	70	*	



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB94632 level: low sdg no.: LB94632
contract: lab code: CHEM case no.: LB94632 sas no.: LB94632
matrix: WATER sample id: J2366-01DL client id: 001M-WILLETS-PT-BLVD(APR)MSDL
Percent Solids for Sample: 0 Spiked ID: J2366-01MSDL 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	5	D	4.2	D	1	80		

GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB94632 **Level:** LOW **SDG No.:** LB94632
Contract: **Lab Code:** CHEM **Case No.:** LB94632 **SAS No.:** LB94632
Matrix: Solid **Sample ID:** J2363-01 **Client ID:** EME-4-12DUP
Percent Solids for Sample: 78.5 **Duplicate ID** J2363-01DUP **Percent Solids for Spike Sample:** 78.5

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Ammonia as N	mg/Kg	20	36		37.4		4		

GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB94632 **Level:** LOW **SDG No.:** LB94632
Contract: **Lab Code:** CHEM **Case No.:** LB94632 **SAS No.:** LB94632
Matrix: Solid **Sample ID:** J2363-01MS **Client ID:** EME-4-12MSD
Percent Solids for Sample: 78.5 **Duplicate ID** J2363-01MSD **Percent Solids for Spike Sample:** 78.5

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Ammonia as N	mg/Kg	20	97.4		98.1		1		

GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB94632 **Level:** LOW **SDG No.:** LB94632
Contract: **Lab Code:** CHEM **Case No.:** LB94632 **SAS No.:** LB94632
Matrix: WATER **Sample ID:** J2366-01 **Client ID:** 001M-WILLETS-PT-BLVD(APR)DUP
Percent Solids for Sample: 0 **Duplicate ID** J2366-01DUP **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	4.3	OR	4.2	OR	2		

GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB94632 **Level:** LOW **SDG No.:** LB94632
Contract: **Lab Code:** CHEM **Case No.:** LB94632 **SAS No.:** LB94632
Matrix: WATER **Sample ID:** J2366-01DL **Client ID:** 001M-WILLETS-PT-BLVD(APR)DUPDL
Percent Solids for Sample: 0 **Duplicate ID** J2366-01DUPDL **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	4.2	D	4.1	D	2		

GENCHEM

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB94632 **Level:** LOW **SDG No.:** LB94632
Contract: **Lab Code:** CHEM **Case No.:** LB94632 **SAS No.:** LB94632
Matrix: WATER **Sample ID:** J2366-01MS **Client ID:** 001M-WILLETS-PT-BLVD(APR)MSD
Percent Solids for Sample: 0 **Duplicate ID** J2366-01MSD **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	5.2	OR	5	OR	4		

GENCHEM

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB94632 **Level:** LOW **SDG No.:** LB94632
Contract: **Lab Code:** CHEM **Case No.:** LB94632 **SAS No.:** LB94632
Matrix: WATER **Sample ID:** J2366-01MSDL **Client ID:** 001M-WILLETS-PT-BLVD(APR)MSDDL
Percent Solids for Sample: 0 **Duplicate ID** J2366-01MSDDL **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	5	D	4.9	D	2		



GENCHEM

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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB94632

SDG No.: LB94632

Contract:

Lab Code: CHEM

Case No.: LB94632

SAS No.: LB94632

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB108238BS Ammonia as N	mg/Kg	49	45.6		93.1	80 - 120	



GENCHEM

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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB94632

SDG No.: LB94632

Contract:

Lab Code: CHEM

Case No.: LB94632

SAS No.: LB94632

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB108239BS Ammonia as N	mg/L	1	0.9		90	80 - 120	