

Daily Analysis Runlog For Sequence/QC Batch ID # LB90622

Review By		Review On				
SubDirectory		LB90622		Test : Ammonia		
STD. NAME		STD REF.#				
ICAL Standard		wp58597				
ICV Standard		wp58599				
CCV Standard		wp58598				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP57031,WP58272,WP58041,WP58040				
Sr#	SampleId	ClientID	QcType	Date	Comment	Status
1	0.1PPM	0.1PPM	CAL1	10/06/17 11:13		OK
2	0.2PPM	0.2PPM	CAL2	10/06/17 11:13		OK
3	0.4PPM	0.4PPM	CAL3	10/06/17 11:13		OK
4	1.0PPM	1.0PPM	CAL4	10/06/17 11:13		OK
5	1.3PPM	1.3PPM	CAL5	10/06/17 11:13		OK
6	2.0PPM	2.0PPM	CAL6	10/06/17 11:13		OK
7	ICV1	ICV1	ICV	10/06/17 11:49		OK
8	ICB1	ICB1	ICB	10/06/17 11:49		OK
9	CCV1	CCV1	CCV	10/06/17 11:49		OK
10	CCB1	CCB1	CCB	10/06/17 11:49		OK
11	PB102966BL	PB102966BL	MB	10/06/17 11:49		OK
12	PB102966BS	PB102966BS	LCS	10/06/17 11:49		OK
13	I5667-01	FINAL-EFFLUENT-15	SAM	10/06/17 11:59	High	Dilution
14	I5667-01DUP	FINAL-EFFLUENT-15	DUP	10/06/17 11:59	High	Dilution
15	I5667-01MS	FINAL-EFFLUENT-15	MS	10/06/17 11:59	High	Dilution
16	I5667-01MSD	FINAL-EFFLUENT-15	MSD	10/06/17 11:59	High	Dilution
17	I5670-01	001M-WILLETS-PTB	SAM	10/06/17 11:59	High	Dilution
18	I5670-02	002M-35THAVE(OCT	SAM	10/06/17 11:59	High	Dilution
19	CCV2	CCV2	CCV	10/06/17 11:59		OK
20	CCB2	CCB2	CCB	10/06/17 11:59		OK
21	I5667-01DL	FINAL-EFFLUENT-15	SAM	10/06/17 12:57	Report 5X	Confirms

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

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SubDirectory		LB90622		Test : Ammonia		
STD. NAME		STD REF.#				
ICAL Standard		wp58597				
ICV Standard		wp58599				
CCV Standard		wp58598				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP57031,WP58272,WP58041,WP58040				
22	I5667-01DUPDL	FINAL-EFFLUENT-19	DUP	10/06/17 12:57	Report 5X	Confirms
23	I5667-01MSDL	FINAL-EFFLUENT-19	MS	10/06/17 12:57	Report 5X	Confirms
24	I5667-01MSDDL	FINAL-EFFLUENT-19	MSD	10/06/17 12:57	Report 5X	Confirms
25	I5670-01DL	001M-WILLETS-PTB	SAM	10/06/17 12:57	Report 10X	Confirms
26	I5670-02DL	002M-35THAVE(OC	SAM	10/06/17 12:57	Report 10X	Confirms
27	CCV3	CCV3	CCV	10/06/17 12:57		OK
28	CCB3	CCB3	CCB	10/06/17 12:57		OK



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Report of Analysis

Client:		Date Collected:	10/4/2017 12:00:00 AM
Project:	LB90622	Date Received:	10/4/2017 12:00:00 AM
Client Sample ID:	FINAL-EFFLUENT-19B	SDG No.:	LB90622
Lab Sample ID:	I5667-01	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	40.4	OR	1	0.034		0.1	mg/L	10/05/2017	10/06/2017	SM4500-NH3



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Report of Analysis

Client:		Date Collected:	10/4/2017 12:00:00 AM
Project:	LB90622	Date Received:	10/4/2017 12:00:00 AM
Client Sample ID:	FINAL-EFFLUENT-19BDL	SDG No.:	LB90622
Lab Sample ID:	I5667-01DL	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	7.5	D	5	0.17		0.5	mg/L	10/05/2017	10/06/2017	SM4500-NH3



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Report of Analysis

Client:		Date Collected:	10/2/2017 12:00:00 AM
Project:	LB90622	Date Received:	10/4/2017 12:00:00 AM
Client Sample ID:	001M-WILLETS-PTBLVD(OCT)	SDG No.:	LB90622
Lab Sample ID:	I5670-01	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	OR	1	0.034		0.1	mg/L	10/05/2017	10/06/2017	SM4500-NH3



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Report of Analysis

Client:		Date Collected:	10/2/2017 12:00:00 AM
Project:	LB90622	Date Received:	10/4/2017 12:00:00 AM
Client Sample ID:	001M-WILLETS-PTBLVD(OCT)DL	SDG No.:	LB90622
Lab Sample ID:	I5670-01DL	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	4.1	D	10	0.34		1	mg/L	10/05/2017	10/06/2017	SM4500-NH3



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Report of Analysis

Client:		Date Collected:	10/2/2017 12:00:00 AM
Project:	LB90622	Date Received:	10/4/2017 12:00:00 AM
Client Sample ID:	002M-35THAVE(OCT)	SDG No.:	LB90622
Lab Sample ID:	I5670-02	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	4.2	OR	1	0.034		0.1	mg/L	10/05/2017	10/06/2017	SM4500-NH3



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Report of Analysis

Client:		Date Collected:	10/2/2017 12:00:00 AM
Project:	LB90622	Date Received:	10/4/2017 12:00:00 AM
Client Sample ID:	002M-35THAVE(OCT)DL	SDG No.:	LB90622
Lab Sample ID:	I5670-02DL	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	4.3	D	10	0.34		1	mg/L	10/05/2017	10/06/2017	SM4500-NH3



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Report of Analysis

Client:		Date Collected:	10/2/2017 12:00:00 AM
Project:	LB90622	Date Received:	10/4/2017 12:00:00 AM
Client Sample ID:	002M-35THAVE(OCT)DL	SDG No.:	LB90622
Lab Sample ID:	I5670-02DL	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



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB90622

SDG No.: LB90622

Contract: _____ Lab Code: CHEM

Case No.: LB90622

SAS No.: LB90622

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	0.99	1	99	0	90 - 110		10/06/2017	11:49	LB90622
CCV2	Ammonia as N	0.99	1	99	0	90 - 110		10/06/2017	11:59	LB90622
CCV3	Ammonia as N	0.98	1	98	0	90 - 110		10/06/2017	12:57	LB90622



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB90622

SDG No.: LB90622

Contract:

Lab Code: CHEM

Case No.: LB90622

SAS No.: LB90622

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Ammonia as N	0.029	+/-0.1	U		0.1		10/06/2017	11:49	LB90622

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Ammonia as N	0.022	+/-0.1	U			0.1	10/06/2017	11:49	LB90622
CCB2	Ammonia as N	0.026	+/-0.1	U			0.1	10/06/2017	11:59	LB90622
CCB3	Ammonia as N	0.02	+/-0.1	U			0.1	10/06/2017	12:57	LB90622



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB90622

SDG No.: LB90622

Contract: Lab Code: CHEM

Case No.: LB90622

SAS No.: LB90622

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: LB90622

SDG No.: LB90622

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
PB102966BL	Ammonia as N	WATER 0.022	<0.1	Batch Number: U		PB102966 0.1		Prep Date: 10/06/2017	10/05/2017 11:49	LB90622



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB90622 level: low sdg no.: LB90622
contract: lab code: CHEM case no.: LB90622 sas no.: LB90622
matrix: WATER sample id: I5667-01 client id: FINAL-EFFLUENT-19BMS
Percent Solids for Sample: 0 Spiked ID: I5667-01MS 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	40.5	OR	40.4	OR	1	10	*	



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB90622 level: low sdg no.: LB90622
contract: lab code: CHEM case no.: LB90622 sas no.: LB90622
matrix: WATER sample id: I5667-01 client id: FINAL-EFFLUENT-19BMSD
Percent Solids for Sample: 0 Spiked ID: I5667-01MSD 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	40.5	OR	40.4	OR	1	10	*	



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB90622 level: low sdg no.: LB90622
contract: lab code: CHEM case no.: LB90622 sas no.: LB90622
matrix: WATER sample id: I5667-01DL client id: FINAL-EFFLUENT-19BMSDDL
Percent Solids for Sample: 0 Spiked ID: I5667-01MSDDL 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	7.4	D	7.5	D	1	-10	*	



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB90622 level: low sdg no.: LB90622
contract: lab code: CHEM case no.: LB90622 sas no.: LB90622
matrix: WATER sample id: I5667-01DL client id: FINAL-EFFLUENT-19BMSDL
Percent Solids for Sample: 0 Spiked ID: I5667-01MSDL 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	7.4	D	7.5	D	1	-10	*	

GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB90622 **Level:** LOW **SDG No.:** LB90622
Contract: **Lab Code:** CHEM **Case No.:** LB90622 **SAS No.:** LB90622
Matrix: WATER **Sample ID:** I5667-01 **Client ID:** FINAL-EFFLUENT-19BDUP
Percent Solids for Sample: 0 **Duplicate ID** I5667-01DUP **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	40.4	OR	40.4	OR	0		

GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB90622 Level: LOW SDG No.: LB90622
Contract: Lab Code: CHEM Case No.: LB90622 SAS No.: LB90622
Matrix: WATER Sample ID: I5667-01DL Client ID: FINAL-EFFLUENT-19BDUPDL
Percent Solids for Sample: 0 Duplicate ID I5667-01DUPDL 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	7.5	D	7.6	D	1		

“A control limit of $\pm 20\%$ RPD for each matrix applies for sample values greater than 10 times Detection Limit”

GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB90622 **Level:** LOW **SDG No.:** LB90622
Contract: **Lab Code:** CHEM **Case No.:** LB90622 **SAS No.:** LB90622
Matrix: WATER **Sample ID:** I5667-01MS **Client ID:** FINAL-EFFLUENT-19BMSD
Percent Solids for Sample: 0 **Duplicate ID** I5667-01MSD **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	40.5	OR	40.5	OR	0		

GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB90622 **Level:** LOW **SDG No.:** LB90622
Contract: **Lab Code:** CHEM **Case No.:** LB90622 **SAS No.:** LB90622
Matrix: WATER **Sample ID:** I5667-01MSDL **Client ID:** FINAL-EFFLUENT-19BMSDDL
Percent Solids for Sample: 0 **Duplicate ID** I5667-01MSDDL **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	7.4	D	7.4	D	0		



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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB90622

SDG No.: LB90622

Contract:

Lab Code: CHEM

Case No.: LB90622

SAS No.: LB90622

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB102966BS Ammonia as N	mg/L	1	0.97		97	80 - 120	