

Daily Analysis Runlog For Sequence/QC Batch ID # LB95758

Review By		Review On				
SubDirectory		LB95758		Test : Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP64957,WP64958,WP64959,WP64960,WP64961,WP64962,WP64963				
ICV Standard		W1542				
CCV Standard		WP64964				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP62802				
Chk Standard		WP64966,WP64695,WP64696				
Sr#	SampleId	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	06/01/18 07:38		OK
2	5.0PPBCN	5.0PPBCN	CAL2	06/01/18 07:38		OK
3	10PPBCN	10PPBCN	CAL3	06/01/18 07:38		OK
4	50PPBCN	50PPBCN	CAL4	06/01/18 07:38		OK
5	100PPBCN	100PPBCN	CAL5	06/01/18 07:38		OK
6	250PPBCN	250PPBCN	CAL6	06/01/18 07:38		OK
7	500PPBCN	500PPBCN	CAL7	06/01/18 07:38		OK
8	ICV1	ICV1	ICV	06/01/18 10:39		OK
9	ICB1	ICB1	ICB	06/01/18 10:39		OK
10	CCV1	CCV1	CCV	06/01/18 10:39		OK
11	CCB1	CCB1	CCB	06/01/18 10:39		OK
12	PB109791BL	PB109791BL	MB	06/01/18 10:39		OK
13	PB109791BS	PB109791BS	LCS	06/01/18 10:40		OK
14	MIDPB109791	MIDPB109791	SAM	06/01/18 10:40		OK
15	J3192-12	14B(1-4)-COMP	SAM	06/01/18 10:40		OK
16	J3192-12DUP	14B(1-4)-COMPDUP	DUP	06/01/18 10:40		OK
17	J3192-12MS	14B(1-4)-COMPMS	MS	06/01/18 10:40		OK
18	J3192-12MSD	14B(1-4)-COMPMSD	MSD	06/01/18 10:40		OK
19	PB109833BL	PB109833BL	MB	06/01/18 10:47		OK
20	PB109833BS	PB109833BS	LCS	06/01/18 10:47		OK
21	J3212-12	14B(1-4)-COMP	SAM	06/01/18 10:47		OK

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

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SubDirectory		LB95758		Test : Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP64957,WP64958,WP64959,WP64960,WP64961,WP64962,WP64963				
ICV Standard		W1542				
CCV Standard		WP64964				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP62802				
Chk Standard		WP64966,WP64695,WP64696				

22	CCV2	CCV2	CCV	06/01/18 10:47		OK
23	CCB2	CCB2	CCB	06/01/18 10:47		OK
24	J3212-12DUP	14B(1-4)-COMPDUP	DUP	06/01/18 10:47		OK
25	J3212-12MS	14B(1-4)-COMPMS	MS	06/01/18 10:47		OK
26	J3212-12MSD	14B(1-4)-COMPMSD	MSD	06/01/18 10:47		OK
27	CCV3	CCV3	CCV	06/01/18 10:47		OK
28	CCB3	CCB3	CCB	06/01/18 10:47		OK



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Report of Analysis

Client:		Date Collected:	5/29/2018 12:00:00 AM
Project:	LB95758	Date Received:	5/29/2018 12:00:00 AM
Client Sample ID:	14B(1-4)-COMP	SDG No.:	LB95758
Lab Sample ID:	J3192-12	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Cyanide	0.022		1	0.001		0.005	mg/L	05/30/2018	06/01/2018	SM4500-CN C, ¹



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Report of Analysis

Client:		Date Collected:	5/30/2018 12:00:00 AM
Project:	LB95758	Date Received:	5/30/2018 12:00:00 AM
Client Sample ID:	14B(1-4)-COMP	SDG No.:	LB95758
Lab Sample ID:	J3212-12	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Cyanide	0.024		1	0.001		0.005	mg/L	05/31/2018	06/01/2018	SM4500-CN C, I



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Report of Analysis

Client:		Date Collected:	
Project:	LB95758	Date Received:	
Client Sample ID:	MIDPB109791	SDG No.:	LB95758
Lab Sample ID:	MIDPB109791	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Cyanide	0.25		1	0.001		0.005	mg/L		06/01/2018	SM4500-CN C, I



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Report of Analysis

Client:		Date Collected:	
Project:	LB95758	Date Received:	
Client Sample ID:	MIDPB109791	SDG No.:	LB95758
Lab Sample ID:	MIDPB109791	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: LB95758

SDG No.: LB95758

Contract: _____ Lab Code: CHEM

Case No.: LB95758

SAS No.: LB95758

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	Cyanide	0.096	0.099	97		85 - 115		06/01/2018	10:39	LB95758



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB95758

SDG No.: LB95758

Contract: _____ Lab Code: CHEM

Case No.: LB95758

SAS No.: LB95758

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	Cyanide	0.24	0.25	96		90 - 110		06/01/2018	10:39	LB95758
CCV2	Cyanide	0.25	0.25	100		90 - 110		06/01/2018	10:47	LB95758
CCV3	Cyanide	0.25	0.25	100		90 - 110		06/01/2018	10:47	LB95758



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB95758 **SDG No.:** LB95758
Contract: **Lab Code:** CHEM **Case No.:** LB95758 **SAS No.:** LB95758

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Cyanide	0.00036	+/-0.005	U		0.005		06/01/2018	10:39	LB95758



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB95758

SDG No.: LB95758

Contract:

Lab Code: CHEM

Case No.: LB95758

SAS No.: LB95758

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Cyanide	0.00024	+/-0.005	U		0.005		06/01/2018	10:39	LB95758
CCB2	Cyanide	0.00041	+/-0.005	U		0.005		06/01/2018	10:47	LB95758
CCB3	Cyanide	0.00036	+/-0.005	U		0.005		06/01/2018	10:47	LB95758



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB95758

SDG No.: LB95758

Contract: Lab Code: CHEM

Case No.: LB95758

SAS No.: LB95758

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
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- 3b -
PREPARATION BLANK SUMMARY

Client: LB95758

SDG No.: LB95758

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
PB109791BL	Cyanide	WATER		Batch Number:		PB109791		Prep Date:	05/30/2018	
		-0.00026	<0.005	U		0.005		06/01/2018	10:39	LB95758
Sample ID	Analyte	Result (mg/L)	Acceptance Limit	Conc Qual	LOD mg/L	CRQL mg/L	M	Analysis Date	Analysis Time	Run
PB109833BL	Cyanide	WATER		Batch Number:		PB109833		Prep Date:	05/31/2018	
		-0	<0.005	U		0.005		06/01/2018	10:47	LB95758



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB95758 level: low sdg no.: LB95758
contract: lab code: CHEM case no.: LB95758 sas no.: LB95758
matrix: WATER sample id: J3192-12 client id: 14B(1-4)-COMPMS
Percent Solids for Sample: 0 Spiked ID: J3192-12MS Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/L	75 - 125	0.055		0.022		0.04	83		



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB95758 level: low sdg no.: LB95758
contract: lab code: CHEM case no.: LB95758 sas no.: LB95758
matrix: WATER sample id: J3192-12 client id: 14B(1-4)-COMPMSD
Percent Solids for Sample: 0 Spiked ID: J3192-12MSD Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/L	75 - 125	0.055		0.022		0.04	83		



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB95758 level: low sdg no.: LB95758
contract: lab code: CHEM case no.: LB95758 sas no.: LB95758
matrix: WATER sample id: J3212-12 client id: 14B(1-4)-COMPMS
Percent Solids for Sample: 0 Spiked ID: J3212-12MS Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/L	75 - 125	0.056		0.024		0.04	80		



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB95758 level: low sdg no.: LB95758
contract: lab code: CHEM case no.: LB95758 sas no.: LB95758
matrix: WATER sample id: J3212-12 client id: 14B(1-4)-COMPMSD
Percent Solids for Sample: 0 Spiked ID: J3212-12MSD Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/L	75 - 125	0.056		0.024		0.04	80		

GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB95758 **Level:** LOW **SDG No.:** LB95758
Contract: **Lab Code:** CHEM **Case No.:** LB95758 **SAS No.:** LB95758
Matrix: WATER **Sample ID:** J3192-12 **Client ID:** 14B(1-4)-COMPDUP
Percent Solids for Sample: 0 **Duplicate ID** J3192-12DUP **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/L	20	0.022		0.023		4		



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DUPLICATE SAMPLE SUMMARY

Client: LB95758 **Level:** LOW **SDG No.:** LB95758
Contract: **Lab Code:** CHEM **Case No.:** LB95758 **SAS No.:** LB95758
Matrix: WATER **Sample ID:** J3192-12MS **Client ID:** 14B(1-4)-COMPMSD
Percent Solids for Sample: 0 **Duplicate ID** J3192-12MSD **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/L	20	0.055		0.055		0		

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DUPLICATE SAMPLE SUMMARY

Client: LB95758 **Level:** LOW **SDG No.:** LB95758
Contract: **Lab Code:** CHEM **Case No.:** LB95758 **SAS No.:** LB95758
Matrix: WATER **Sample ID:** J3212-12 **Client ID:** 14B(1-4)-COMPDUP
Percent Solids for Sample: 0 **Duplicate ID** J3212-12DUP **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/L	20	0.024		0.024		0		

GENCHEM

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB95758 **Level:** LOW **SDG No.:** LB95758
Contract: _____ **Lab Code:** CHEM **Case No.:** LB95758 **SAS No.:** LB95758
Matrix: WATER **Sample ID:** J3212-12MS **Client ID:** 14B(1-4)-COMPMSD
Percent Solids for Sample: 0 **Duplicate ID** J3212-12MSD **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/L	20	0.056		0.056		0		



GENCHEM

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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB95758

SDG No.: LB95758

Contract:

Lab Code: CHEM

Case No.: LB95758

SAS No.: LB95758

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB109791BS Cyanide	mg/L	0.1	0.097		97	85 - 115	



GENCHEM

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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB95758

SDG No.: LB95758

Contract:

Lab Code: CHEM

Case No.: LB95758

SAS No.: LB95758

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB109833BS Cyanide	mg/L	0.1	0.098		98	85 - 115	