

Daily Analysis Runlog For Sequence/QC Batch ID # LB93765

Review By		Review On				
SubDirectory		LB93765		Test : Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP62544,WP62545,WP62546,WP62547,WP62548,WP62549,WP62550				
ICV Standard		W1542				
CCV Standard		WP62551				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP58910				
Chk Standard		WP62553,WP59958,WP60878				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	03/08/18 11:24		OK
2	5.0PPBCN	5.0PPBCN	CAL2	03/08/18 11:24		OK
3	10PPBCN	10PPBCN	CAL3	03/08/18 11:24		OK
4	50PPBCN	50PPBCN	CAL4	03/08/18 11:24		OK
5	100PPBCN	100PPBCN	CAL5	03/08/18 11:24		OK
6	250PPBCN	250PPBCN	CAL6	03/08/18 11:24		OK
7	500PPBCN	500PPBCN	CAL7	03/08/18 11:24		OK
8	ICV1	ICV1	ICV	03/08/18 13:37		OK
9	ICB1	ICB1	ICB	03/08/18 13:37		OK
10	CCV1	CCV1	CCV	03/08/18 13:37		OK
11	CCB1	CCB1	CCB	03/08/18 13:37		OK
12	PB107147BL	PB107147BL	MB	03/08/18 13:37		OK
13	PB107147BS	PB107147BS	LCS	03/08/18 13:37		OK
14	MIDPB107147	MIDPB107147	SAM	03/08/18 13:37		OK
15	J1781-01	AMENABLES-1-4-CC	SAM	03/08/18 13:37		OK
16	J1781-01DUP	AMENABLES-1-4-CC	DUP	03/08/18 13:37		OK
17	J1781-01MS	AMENABLES-1-4-CC	MS	03/08/18 13:37		OK
18	J1781-01MSD	AMENABLES-1-4-CC	MSD	03/08/18 13:37		OK
19	CCV2	CCV2	CCV	03/08/18 13:41		OK
20	CCB2	CCB2	CCB	03/08/18 13:41		OK



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Report of Analysis

Client:		Date Collected:	3/6/2018 12:00:00 AM
Project:	LB93765	Date Received:	3/6/2018 12:00:00 AM
Client Sample ID:	AMENABLES-1-4-COMP	SDG No.:	LB93765
Lab Sample ID:	J1781-01	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Cyanide	0.0019	J	1	0.001		0.005	mg/L	03/08/2018	03/08/2018	SM4500-CN C, I



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Report of Analysis

Client:		Date Collected:	
Project:	LB93765	Date Received:	
Client Sample ID:	MIDPB107147	SDG No.:	LB93765
Lab Sample ID:	MIDPB107147	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		03/08/2018	SM4500-CN C,]



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Report of Analysis

Client:		Date Collected:	
Project:	LB93765	Date Received:	
Client Sample ID:	MIDPB107147	SDG No.:	LB93765
Lab Sample ID:	MIDPB107147	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: LB93765

SDG No.: LB93765

Contract: _____ Lab Code: CHEM

Case No.: LB93765

SAS No.: LB93765

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	0.097	0.099	98		85 - 115		03/08/2018	13:37	LB93765



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB93765

SDG No.: LB93765

Contract: _____ Lab Code: CHEM

Case No.: LB93765

SAS No.: LB93765

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	0.25	0.25	100		90 - 110		03/08/2018	13:37	LB93765
CCV2	Cyanide	0.26	0.25	104		90 - 110		03/08/2018	13:41	LB93765



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB93765

SDG No.: LB93765

Contract:

Lab Code: CHEM

Case No.: LB93765

SAS No.: LB93765

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Cyanide	0.00066	+/-0.005	U		0.005		03/08/2018	13:37	LB93765



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB93765

SDG No.: LB93765

Contract:

Lab Code: CHEM

Case No.: LB93765

SAS No.: LB93765

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Cyanide	0.00056	+/-0.005	U		0.005		03/08/2018	13:37	LB93765
CCB2	Cyanide	0.00056	+/-0.005	U		0.005		03/08/2018	13:41	LB93765



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB93765

SDG No.: LB93765

Contract: Lab Code: CHEM

Case No.: LB93765

SAS No.: LB93765

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: LB93765

SDG No.: LB93765

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
PB107147BL	Cyanide	WATER 0.00052	<0.005	Batch Number: U		PB107147 0.005		Prep Date: 03/08/2018	03/08/2018 13:37	LB93765



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MATRIX SPIKE SUMMARY

client: LB93765 level: low sdg no.: LB93765
contract: lab code: CHEM case no.: LB93765 sas no.: LB93765
matrix: WATER sample id: J1781-01 client id: AMENABLES-1-4-COMPMS
Percent Solids for Sample: 0 Spiked ID: J1781-01MS 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	0.034		0.0019	J	0.04	80		



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- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB93765 level: low sdg no.: LB93765
contract: lab code: CHEM case no.: LB93765 sas no.: LB93765
matrix: WATER sample id: J1781-01 client id: AMENABLES-1-4-COMPMSD
Percent Solids for Sample: 0 Spiked ID: J1781-01MSD 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	0.033		0.0019	J	0.04	78		

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DUPLICATE SAMPLE SUMMARY

Client: LB93765 **Level:** LOW **SDG No.:** LB93765
Contract: **Lab Code:** CHEM **Case No.:** LB93765 **SAS No.:** LB93765
Matrix: WATER **Sample ID:** J1781-01 **Client ID:** AMENABLES-1-4-COMPDUP
Percent Solids for Sample: 0 **Duplicate ID** J1781-01DUP **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/L	20	0.0019	J	0.0017	J	11		



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DUPLICATE SAMPLE SUMMARY

Client: LB93765 Level: LOW SDG No.: LB93765
Contract: _____ Lab Code: CHEM Case No.: LB93765 SAS No.: LB93765
Matrix: WATER Sample ID: J1781-01MS Client ID: AMENABLES-1-4-COMPMSD
Percent Solids for Sample: 0 Duplicate ID J1781-01MSD Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/L	20	0.034		0.033		3		



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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB93765

SDG No.: LB93765

Contract:

Lab Code: CHEM

Case No.: LB93765

SAS No.: LB93765

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB107147BS Cyanide	mg/L	0.1	0.099		99	85 - 115	