

Daily Analysis Runlog For Sequence/QC Batch ID # LB93612

Review By		Review On				
SubDirectory		LB93612		Test : Cyanide		

STD. NAME	STD REF.#
ICAL Standard	WP62361,WP62362,WP62363,WP62364,WP62365,WP62366,WP62367
ICV Standard	W1542
CCV Standard	WP62368
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP58910
Chk Standard	WP62370,WP59958,WP60878

Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	03/01/18 09:49		OK
2	5.0PPBCN	5.0PPBCN	CAL2	03/01/18 09:49		OK
3	10PPBCN	10PPBCN	CAL3	03/01/18 09:49		OK
4	50PPBCN	50PPBCN	CAL4	03/01/18 09:49		OK
5	100PPBCN	100PPBCN	CAL5	03/01/18 09:49		OK
6	250PPBCN	250PPBCN	CAL6	03/01/18 09:49		OK
7	500PPBCN	500PPBCN	CAL7	03/01/18 09:49		OK
8	ICV1	ICV1	ICV	03/01/18 13:37		OK
9	ICB1	ICB1	ICB	03/01/18 13:37		OK
10	CCV1	CCV1	CCV	03/01/18 13:37		OK
11	CCB1	CCB1	CCB	03/01/18 13:37		OK
12	PB106979BL	PB106979BL	MB	03/01/18 13:37		OK
13	J1719-03	TP-2	SAM	03/01/18 13:37		OK
14	J1719-03DUP	TP-2DUP	DUP	03/01/18 13:37		OK
15	J1719-03MS	TP-2MS	MS	03/01/18 13:37		OK
16	J1719-03MSD	TP-2MSD	MSD	03/01/18 13:37		OK
17	CCV2	CCV2	CCV	03/01/18 13:37		OK
18	CCB2	CCB2	CCB	03/01/18 13:37		OK



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Report of Analysis

Client:		Date Collected:	2/27/2018 12:00:00 AM
Project:	LB93612	Date Received:	2/28/2018 12:00:00 AM
Client Sample ID:	TP-2	SDG No.:	LB93612
Lab Sample ID:	J1719-03	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	-0.00024	U	1	0.003		0.005	mg/L	03/01/2018	03/01/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/27/2018 12:00:00 AM
Project:	LB93612	Date Received:	2/28/2018 12:00:00 AM
Client Sample ID:	TP-2	SDG No.:	LB93612
Lab Sample ID:	J1719-03	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: LB93612

SDG No.: LB93612

Contract: _____

Lab Code: CHEM

Case No.: LB93612

SAS No.: LB93612

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		03/01/2018	13:37	LB93612



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- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB93612

SDG No.: LB93612

Contract: _____ Lab Code: CHEM

Case No.: LB93612

SAS No.: LB93612

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		03/01/2018	13:37	LB93612
CCV2	Cyanide	0.25	0.25	100		90 - 110		03/01/2018	13:37	LB93612



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB93612 **SDG No.:** LB93612
Contract: **Lab Code:** CHEM **Case No.:** LB93612 **SAS No.:** LB93612

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Cyanide	-0.0011	+/-0.005	U		0.005		03/01/2018	13:37	LB93612



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB93612

SDG No.: LB93612

Contract:

Lab Code: CHEM

Case No.: LB93612

SAS No.: LB93612

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Cyanide	-0.0012	+/-0.005	U		0.005		03/01/2018	13:37	LB93612
CCB2	Cyanide	-0.00097	+/-0.005	U		0.005		03/01/2018	13:37	LB93612



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB93612

SDG No.: LB93612

Contract: Lab Code: CHEM

Case No.: LB93612

SAS No.: LB93612

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: LB93612

SDG No.: LB93612

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
PB106979BL	Cyanide	WATER -0.0014	<0.005	Batch Number: U		PB106979 0.005		Prep Date: 03/01/2018	03/01/2018 13:37	LB93612



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- 5a -
MATRIX SPIKE SUMMARY

client: LB93612 level: low sdg no.: LB93612
contract: lab code: CHEM case no.: LB93612 sas no.: LB93612
matrix: WATER sample id: J1719-03 client id: TP-2MS
Percent Solids for Sample: 0 Spiked ID: J1719-03MS 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	0.033		0.003	U	0.04	82.5		



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- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB93612 level: low sdg no.: LB93612
contract: lab code: CHEM case no.: LB93612 sas no.: LB93612
matrix: WATER sample id: J1719-03 client id: TP-2MSD
Percent Solids for Sample: 0 Spiked ID: J1719-03MSD 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		0.003	U	0.04	82.5		

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DUPLICATE SAMPLE SUMMARY

Client: LB93612 **Level:** LOW **SDG No.:** LB93612
Contract: **Lab Code:** CHEM **Case No.:** LB93612 **SAS No.:** LB93612
Matrix: WATER **Sample ID:** J1719-03 **Client ID:** TP-2DUP
Percent Solids for Sample: 0 **Duplicate ID** J1719-03DUP **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/L	20	0.003	U	-0.0012	U			

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DUPLICATE SAMPLE SUMMARY

Client: LB93612 **Level:** LOW **SDG No.:** LB93612
Contract: **Lab Code:** CHEM **Case No.:** LB93612 **SAS No.:** LB93612
Matrix: WATER **Sample ID:** J1719-03MS **Client ID:** TP-2MSD
Percent Solids for Sample: 0 **Duplicate ID** J1719-03MSD **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/L	20	0.033		0.033		0		