

Daily Analysis Runlog For Sequence/QC Batch ID # LB93387

Review By		Review On				
SubDirectory		LB93387		Test : Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP62092,WP62093,WP62094,WP62095,WP62096,WP62097,WP62098				
ICV Standard		W1542				
CCV Standard		WP62099				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP58910				
Chk Standard		WP62101,WP59958,WP60878				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	02/19/18 12:31		OK
2	5.0PPBCN	5.0PPBCN	CAL2	02/19/18 12:31		OK
3	10PPBCN	10PPBCN	CAL3	02/19/18 12:31		OK
4	50PPBCN	50PPBCN	CAL4	02/19/18 12:31		OK
5	100PPBCN	100PPBCN	CAL5	02/19/18 12:31		OK
6	250PPBCN	250PPBCN	CAL6	02/19/18 12:31		OK
7	500PPBCN	500PPBCN	CAL7	02/19/18 12:31		OK
8	ICV1	ICV1	ICV	02/19/18 14:43		OK
9	ICB1	ICB1	ICB	02/19/18 14:43		OK
10	CCV1	CCV1	CCV	02/19/18 14:43		OK
11	CCB1	CCB1	CCB	02/19/18 14:43		OK
12	PB106642BL	PB106642BL	MB	02/19/18 14:43		OK
13	PB106642BS	PB106642BS	LCS	02/19/18 14:43		OK
14	J1601-02	DRUM-1	SAM	02/19/18 14:44		OK
15	J1601-02DUP	DRUM-1DUP	DUP	02/19/18 14:44		OK
16	J1601-02MS	DRUM-1MS	MS	02/19/18 14:44		OK
17	J1601-02MSD	DRUM-1MSD	MSD	02/19/18 14:44		OK
18	CCV2	CCV2	CCV	02/19/18 14:54		OK
19	CCB2	CCB2	CCB	02/19/18 14:54		OK



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Report of Analysis

Client:		Date Collected:	2/16/2018 12:00:00 AM
Project:	LB93387	Date Received:	2/16/2018 12:00:00 AM
Client Sample ID:	DRUM-1	SDG No.:	LB93387
Lab Sample ID:	J1601-02	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.0011	U	1	0.003		0.005	mg/L	02/19/2018	02/19/2018	9012B



Report of Analysis

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Project:	LB93387	Date Received:	2/16/2018 12:00:00 AM
Client Sample ID:	DRUM-1	SDG No.:	LB93387
Lab Sample ID:	J1601-02	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
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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: LB93387

SDG No.: LB93387

Contract: _____ Lab Code: CHEM

Case No.: LB93387

SAS No.: LB93387

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	0.099	0.099	100		85 - 115		02/19/2018	14:43	lb93387



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- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB93387

SDG No.: LB93387

Contract: _____ Lab Code: CHEM

Case No.: LB93387

SAS No.: LB93387

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		02/19/2018	14:43	lb93387
CCV2	Cyanide	0.26	0.25	104		90 - 110		02/19/2018	14:54	lb93387



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB93387

SDG No.: LB93387

Contract:

Lab Code: CHEM

Case No.: LB93387

SAS No.: LB93387

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Cyanide	0.00079	+/-0.005	U		0.005		02/19/2018	14:43	lb93387



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB93387

SDG No.: LB93387

Contract:

Lab Code: CHEM

Case No.: LB93387

SAS No.: LB93387

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Cyanide	0.0007	+/-0.005	U		0.005		02/19/2018	14:43	1b93387
CCB2	Cyanide	0.00034	+/-0.005	U		0.005		02/19/2018	14:54	1b93387



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB93387

SDG No.: LB93387

Contract: Lab Code: CHEM

Case No.: LB93387

SAS No.: LB93387

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: LB93387

SDG No.: LB93387

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
PB106642BL	Cyanide	WATER 0.00061	<0.005	Batch Number: U		PB106642 0.005		Prep Date: 02/19/2018	02/19/2018 14:43	lb93387



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- 5a -
MATRIX SPIKE SUMMARY

client: LB93387 level: low sdg no.: LB93387
contract: lab code: CHEM case no.: LB93387 sas no.: LB93387
matrix: WATER sample id: J1601-02 client id: DRUM-1MS
Percent Solids for Sample: 0 Spiked ID: J1601-02MS 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	0.0015	U	0.003	U	0.04	0	*	



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB93387 level: low sdg no.: LB93387
contract: lab code: CHEM case no.: LB93387 sas no.: LB93387
matrix: WATER sample id: J1601-02 client id: DRUM-1MSD
Percent Solids for Sample: 0 Spiked ID: J1601-02MSD 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	0.0011	U	0.003	U	0.04	2.8	*	

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DUPLICATE SAMPLE SUMMARY

Client: LB93387 **Level:** LOW **SDG No.:** LB93387
Contract: **Lab Code:** CHEM **Case No.:** LB93387 **SAS No.:** LB93387
Matrix: WATER **Sample ID:** J1601-02 **Client ID:** DRUM-1DUP
Percent Solids for Sample: 0 **Duplicate ID** J1601-02DUP **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	0.0013	U			

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DUPLICATE SAMPLE SUMMARY

Client: LB93387 **Level:** LOW **SDG No.:** LB93387
Contract: **Lab Code:** CHEM **Case No.:** LB93387 **SAS No.:** LB93387
Matrix: WATER **Sample ID:** J1601-02MS **Client ID:** DRUM-1MSD
Percent Solids for Sample: 0 **Duplicate ID** J1601-02MSD **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	0.0011	U			



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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB93387

SDG No.: LB93387

Contract:

Lab Code: CHEM

Case No.: LB93387

SAS No.: LB93387

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB106642BS Cyanide	mg/L	0.1	0.1		100	85 - 115	