

Daily Analysis Runlog For Sequence/QC Batch ID # LB92715

Review By		Review On				
SubDirectory		LB92715		Test : Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP61101,WP61102,WP61103,WP61104,WP61105,WP61106,WP61107				
ICV Standard		W1541				
CCV Standard		WP61108				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP58910				
Chk Standard		WP61110,WP59958,WP60878				

Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	01/19/18 10:18		OK
2	5.0PPBCN	5.0PPBCN	CAL2	01/19/18 10:18		OK
3	10PPBCN	10PPBCN	CAL3	01/19/18 10:18		OK
4	50PPBCN	50PPBCN	CAL4	01/19/18 10:18		OK
5	100PPBCN	100PPBCN	CAL5	01/19/18 10:18		OK
6	250PPBCN	250PPBCN	CAL6	01/19/18 10:18		OK
7	500PPBCN	500PPBCN	CAL7	01/19/18 10:18		OK
8	ICV1	ICV1	ICV	01/19/18 10:47		OK
9	ICB1	ICB1	ICB	01/19/18 10:47		OK
10	CCV1	CCV1	CCV	01/19/18 10:47		OK
11	CCB1	CCB1	CCB	01/19/18 10:47		OK
12	PB105760BL	PB105760BL	MB	01/19/18 10:47		OK
13	PB105760BS	PB105760BS	LCS	01/19/18 10:47		OK
14	J1189-08	TW-1	SAM	01/19/18 10:52		OK
15	J1189-08DUP	TW-1DUP	DUP	01/19/18 10:52		OK
16	J1189-08MS	TW-1MS	MS	01/19/18 10:52		OK
17	J1189-08MSD	TW-1MSD	MSD	01/19/18 10:52		OK
18	CCV2	CCV2	CCV	01/19/18 10:52		OK
19	CCB2	CCB2	CCB	01/19/18 10:52		OK



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Report of Analysis

Client:		Date Collected:	1/17/2018 12:00:00 AM
Project:	LB92715	Date Received:	1/17/2018 12:00:00 AM
Client Sample ID:	TW-1	SDG No.:	LB92715
Lab Sample ID:	J1189-08	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	0.22		1	0.003		0.005	mg/L	01/18/2018	01/19/2018	9012B



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Report of Analysis

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Client Sample ID:	TW-1	SDG No.:	LB92715
Lab Sample ID:	J1189-08	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: LB92715

SDG No.: LB92715

Contract: _____

Lab Code: CHEM

Case No.: LB92715

SAS No.: LB92715

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
ICV1	Cyanide	0.096	0.099	97	0	85 - 115		01/19/2018	10:47	LB92715



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- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB92715

SDG No.: LB92715

Contract: _____ Lab Code: CHEM

Case No.: LB92715

SAS No.: LB92715

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	Cyanide	0.24	0.25	96	0	90 - 110		01/19/2018	10:47	LB92715
CCV2	Cyanide	0.25	0.25	100	0	90 - 110		01/19/2018	10:52	LB92715



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB92715 **SDG No.:** LB92715
Contract: **Lab Code:** CHEM **Case No.:** LB92715 **SAS No.:** LB92715

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Cyanide	0.00032	+/-0.005	U		0.005		01/19/2018	10:47	LB92715



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB92715

SDG No.: LB92715

Contract:

Lab Code: CHEM

Case No.: LB92715

SAS No.: LB92715

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Cyanide	0.00032	+/-0.005	U		0.005		01/19/2018	10:47	LB92715
CCB2	Cyanide	0.00031	+/-0.005	U		0.005		01/19/2018	10:52	LB92715



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB92715

SDG No.: LB92715

Contract: Lab Code: CHEM

Case No.: LB92715

SAS No.: LB92715

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: LB92715

SDG No.: LB92715

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
PB105760BL	Cyanide	WATER 0.0001	<0.005	Batch Number: U		PB105760 0.005		Prep Date: 01/19/2018	01/18/2018 10:47	LB92715



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- 5a -
MATRIX SPIKE SUMMARY

client: LB92715 level: low sdg no.: LB92715
contract: lab code: CHEM case no.: LB92715 sas no.: LB92715
matrix: WATER sample id: J1189-08 client id: TW-1MS
Percent Solids for Sample: 0 Spiked ID: J1189-08MS 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	0.22		0.22		0.04	0	*	



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB92715 level: low sdg no.: LB92715
contract: lab code: CHEM case no.: LB92715 sas no.: LB92715
matrix: WATER sample id: J1189-08 client id: TW-1MSD
Percent Solids for Sample: 0 Spiked ID: J1189-08MSD 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	0.22		0.22		0.04	0	*	



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DUPLICATE SAMPLE SUMMARY

Client: LB92715 **Level:** LOW **SDG No.:** LB92715
Contract: **Lab Code:** CHEM **Case No.:** LB92715 **SAS No.:** LB92715
Matrix: WATER **Sample ID:** J1189-08 **Client ID:** TW-1DUP
Percent Solids for Sample: 0 **Duplicate ID** J1189-08DUP **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/L	20	0.22		0.22		0		

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DUPLICATE SAMPLE SUMMARY

Client: LB92715 **Level:** LOW **SDG No.:** LB92715
Contract: **Lab Code:** CHEM **Case No.:** LB92715 **SAS No.:** LB92715
Matrix: WATER **Sample ID:** J1189-08MS **Client ID:** TW-1MSD
Percent Solids for Sample: 0 **Duplicate ID** J1189-08MSD **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/L	20	0.22		0.22		0		



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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB92715

SDG No.: LB92715

Contract:

Lab Code: CHEM

Case No.: LB92715

SAS No.: LB92715

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB105760BS Cyanide	mg/L	0.1	0.098		98	85 - 115	