

Daily Analysis Runlog For Sequence/QC Batch ID # LB92496

Review By		Review On				
SubDirectory		LB92496		Test : Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP60738,WP60739,WP60740,WP60741,WP60742,WP60743,WP60745				
ICV Standard		W1541				
CCV Standard		WP60747				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP58910				
Chk Standard		WP60744,WP59958,WP60150				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	01/05/18 12:03		OK
2	5.0PPBCN	5.0PPBCN	CAL2	01/05/18 12:03		OK
3	10PPBCN	10PPBCN	CAL3	01/05/18 12:03		OK
4	50PPBCN	50PPBCN	CAL4	01/05/18 12:03		OK
5	100PPBCN	100PPBCN	CAL5	01/05/18 12:03		OK
6	250PPBCN	250PPBCN	CAL6	01/05/18 12:03		OK
7	500PPBCN	500PPBCN	CAL7	01/05/18 12:03		OK
8	ICV1	ICV1	ICV	01/05/18 14:54		OK
9	ICB1	ICB1	ICB	01/05/18 14:54		OK
10	CCV1	CCV1	CCV	01/05/18 14:54		OK
11	CCB1	CCB1	CCB	01/05/18 14:54		OK
12	PB105498BL	PB105498BL	MB	01/05/18 14:54		OK
13	PB105498BS	PB105498BS	LCS	01/05/18 14:54		OK
14	MIDPB105498	MIDPB105498	SAM	01/05/18 14:54		OK
15	I7026-01	MH-6	SAM	01/05/18 14:54		OK
16	I7026-01DUP	MH-6DUP	DUP	01/05/18 14:54		OK
17	I7026-01MS	MH-6MS	MS	01/05/18 14:54		OK
18	I7026-01MSD	MH-6MSD	MSD	01/05/18 14:54		OK
19	CCV2	CCV2	CCV	01/05/18 14:58		OK
20	CCB2	CCB2	CCB	01/05/18 14:58		OK



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Report of Analysis

Client:		Date Collected:	12/20/2017 12:00:00 AM
Project:	LB92496	Date Received:	12/21/2017 12:00:00 AM
Client Sample ID:	MH-6	SDG No.:	LB92496
Lab Sample ID:	I7026-01	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	0.0061		1	0.001		0.005	mg/L	01/05/2018	01/05/2018	SM4500-CN C, I



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Report of Analysis

Client:		Date Collected:	
Project:	LB92496	Date Received:	
Client Sample ID:	MIDPB105498	SDG No.:	LB92496
Lab Sample ID:	MIDPB105498	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	0.24		1	0.001		0.005	mg/L		01/05/2018	SM4500-CN C,]



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Report of Analysis

Client:		Date Collected:	
Project:	LB92496	Date Received:	
Client Sample ID:	MIDPB105498	SDG No.:	LB92496
Lab Sample ID:	MIDPB105498	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

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB92496

SDG No.: LB92496

Contract: _____ Lab Code: CHEM

Case No.: LB92496

SAS No.: LB92496

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		01/05/2018	14:54	lb92496
CCV2	Cyanide	0.26	0.25	104	0	90 - 110		01/05/2018	14:58	lb92496



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB92496

SDG No.: LB92496

Contract:

Lab Code: CHEM

Case No.: LB92496

SAS No.: LB92496

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Cyanide	0.00053	+/-0.005	U		0.005		01/05/2018	14:54	lb92496



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB92496		SDG No.: LB92496								
Contract:	Lab Code: CHEM	Case No.: LB92496	SAS No.: LB92496							
Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Cyanide	0.00054	+/-0.005	U		0.005		01/05/2018	14:54	lb92496
CCB2	Cyanide	0.00042	+/-0.005	U		0.005		01/05/2018	14:58	lb92496



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client:

LB92496

SDG No.:

LB92496

Contract:

Lab Code:

CHEM

Case No.:

LB92496

SAS No.:

LB92496

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

Client: LB92496

SDG No.: LB92496

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
PB105498BL	Cyanide	WATER 0.00042	<0.005	Batch Number: U		PB105498 0.005		Prep Date: 01/05/2018	01/05/2018 14:54	lb92496



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MATRIX SPIKE SUMMARY

client: LB92496 level: low sdg no.: LB92496
contract: lab code: CHEM case no.: LB92496 sas no.: LB92496
matrix: WATER sample id: I7026-01 client id: MH-6MS
Percent Solids for Sample: 0 Spiked ID: I7026-01MS 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	0.035		0.0061		0.04	72	*	



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MATRIX SPIKE DUPLICATE SUMMARY

client: LB92496 level: low sdg no.: LB92496
contract: lab code: CHEM case no.: LB92496 sas no.: LB92496
matrix: WATER sample id: I7026-01 client id: MH-6MSD
Percent Solids for Sample: 0 Spiked ID: I7026-01MSD 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	0.035		0.0061		0.04	72	*	



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DUPLICATE SAMPLE SUMMARY

Client: LB92496 Level: LOW SDG No.: LB92496
Contract: Lab Code: CHEM Case No.: LB92496 SAS No.: LB92496
Matrix: WATER Sample ID: I7026-01 Client ID: MH-6DUP
Percent Solids for Sample: 0 Duplicate ID I7026-01DUP Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/L	20	0.0061		0.0058		5		

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DUPLICATE SAMPLE SUMMARY

Client: LB92496 **Level:** LOW **SDG No.:** LB92496
Contract: **Lab Code:** CHEM **Case No.:** LB92496 **SAS No.:** LB92496
Matrix: WATER **Sample ID:** I7026-01MS **Client ID:** MH-6MSD
Percent Solids for Sample: 0 **Duplicate ID** I7026-01MSD **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/L	20	0.035		0.035		0		



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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB92496

SDG No.: LB92496

Contract:

Lab Code: CHEM

Case No.: LB92496

SAS No.: LB92496

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB105498BS Cyanide	mg/L	0.1	0.096		96	85 - 115	