

Daily Analysis Runlog For Sequence/QC Batch ID # LB94002

Review By

apatel

Review On

3/19/2018 4:18:51 PM

SubDirectory

LB94002

Test :

Cyanide

STD. NAME		STD REF.#				
ICAL Standard		WP62845,WP62846,WP62847,WP62848,WP62849,WP62850,WP62851				
ICV Standard		W1542				
CCV Standard		WP62852				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP62802				
Chk Standard		WP62854,WP59958,WP60878				

Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	03/19/18 12:21		OK
2	5.0PPBCN	5.0PPBCN	CAL2	03/19/18 12:21		OK
3	10PPBCN	10PPBCN	CAL3	03/19/18 12:21		OK
4	50PPBCN	50PPBCN	CAL4	03/19/18 12:21		OK
5	100PPBCN	100PPBCN	CAL5	03/19/18 12:21		OK
6	250PPBCN	250PPBCN	CAL6	03/19/18 12:21		OK
7	500PPBCN	500PPBCN	CAL7	03/19/18 12:21		OK
8	ICV1	ICV1	ICV	03/19/18 14:06		OK
9	ICB1	ICB1	ICB	03/19/18 14:06		OK
10	CCV1	CCV1	CCV	03/19/18 14:06		OK
11	CCB1	CCB1	CCB	03/19/18 14:06		OK
12	PB107467BL	PB107467BL	MB	03/19/18 14:06		OK
13	PB107467BS	PB107467BS	LCS	03/19/18 14:06		OK
14	J1960-01	BB	SAM	03/19/18 14:06		OK
15	J1966-07	FRAC-1	SAM	03/19/18 14:06		OK
16	J1966-07DUP	FRAC-1DUP	DUP	03/19/18 14:06		OK
17	J1966-07MS	FRAC-1MS	MS	03/19/18 14:06		OK
18	J1966-07MSD	FRAC-1MSD	MSD	03/19/18 14:06		OK
19	J1966-09	FRAC-2	SAM	03/19/18 14:11		OK
20	CCV2	CCV2	CCV	03/19/18 14:11		OK
21	CCB2	CCB2	CCB	03/19/18 14:11		OK



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Report of Analysis

Client:		Date Collected:	3/16/2018 12:00:00 AM
Project:	LB94002	Date Received:	3/16/2018 12:00:00 AM
Client Sample ID:	BB	SDG No.:	LB94002
Lab Sample ID:	J1960-01	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.053		1	0.003		0.005	mg/L	03/19/2018	03/19/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/16/2018 12:00:00 AM
Project:	LB94002	Date Received:	3/16/2018 12:00:00 AM
Client Sample ID:	FRAC-1	SDG No.:	LB94002
Lab Sample ID:	J1966-07	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	0.0063		1	0.003		0.005	mg/L	03/19/2018	03/19/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/16/2018 12:00:00 AM
Project:	LB94002	Date Received:	3/16/2018 12:00:00 AM
Client Sample ID:	FRAC-2	SDG No.:	LB94002
Lab Sample ID:	J1966-09	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	0.0038	J	1	0.003		0.005	mg/L	03/19/2018	03/19/2018	9012B

Report of Analysis

Client:		Date Collected:	3/16/2018 12:00:00 AM
Project:	LB94002	Date Received:	3/16/2018 12:00:00 AM
Client Sample ID:	FRAC-2	SDG No.:	LB94002
Lab Sample ID:	J1966-09	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

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		03/19/2018	14:06	LB94002



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB94002

SDG No.: LB94002

Contract: _____ Lab Code: CHEM

Case No.: LB94002

SAS No.: LB94002

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		03/19/2018	14:06	LB94002
CCV2	Cyanide	0.26	0.25	104		90 - 110		03/19/2018	14:11	LB94002



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB94002

SDG No.: LB94002

Contract:

Lab Code: CHEM

Case No.: LB94002

SAS No.: LB94002

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Cyanide	-0.00014	+/-0.005	U		0.005		03/19/2018	14:06	LB94002



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB94002

SDG No.: LB94002

Contract:

Lab Code: CHEM

Case No.: LB94002

SAS No.: LB94002

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Cyanide	-0.00013	+/-0.005	U		0.005		03/19/2018	14:06	LB94002
CCB2	Cyanide	-0.00011	+/-0.005	U		0.005		03/19/2018	14:11	LB94002



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB94002

SDG No.: LB94002

Contract: Lab Code: CHEM

Case No.: LB94002

SAS No.: LB94002

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: LB94002

SDG No.: LB94002

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
PB107467BL	Cyanide	WATER -0.00016	<0.005	Batch Number: U		PB107467 0.005		Prep Date: 03/19/2018	03/19/2018 14:06	LB94002

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- 5a -
MATRIX SPIKE SUMMARY

client: LB94002 level: low sdg no.: LB94002
contract: lab code: CHEM case no.: LB94002 sas no.: LB94002
matrix: WATER sample id: J1966-07 client id: FRAC-1MS
Percent Solids for Sample: 0 Spiked ID: J1966-07MS 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		0.0063		0.04	72	*	



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- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB94002 level: low sdg no.: LB94002
contract: lab code: CHEM case no.: LB94002 sas no.: LB94002
matrix: WATER sample id: J1966-07 client id: FRAC-1MSD
Percent Solids for Sample: 0 Spiked ID: J1966-07MSD 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		0.0063		0.04	72	*	



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DUPLICATE SAMPLE SUMMARY

Client: LB94002 **Level:** LOW **SDG No.:** LB94002
Contract: **Lab Code:** CHEM **Case No.:** LB94002 **SAS No.:** LB94002
Matrix: WATER **Sample ID:** J1966-07 **Client ID:** FRAC-1DUP
Percent Solids for Sample: 0 **Duplicate ID** J1966-07DUP **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/L	20	0.0063		0.0057		10		



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DUPLICATE SAMPLE SUMMARY

Client: LB94002 **Level:** LOW **SDG No.:** LB94002
Contract: **Lab Code:** CHEM **Case No.:** LB94002 **SAS No.:** LB94002
Matrix: WATER **Sample ID:** J1966-07MS **Client ID:** FRAC-1MSD
Percent Solids for Sample: 0 **Duplicate ID** J1966-07MSD **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: LB94002

SDG No.: LB94002

Contract:

Lab Code: CHEM

Case No.: LB94002

SAS No.: LB94002

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB107467BS Cyanide	mg/L	0.1	0.099		99	85 - 115	