

Daily Analysis Runlog For Sequence/QC Batch ID # LB91633

Review By		Review On				
SubDirectory		LB91633		Test : Reactive Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP59670,WP59671,WP59673,WP59676,WP59677,WP59680,WP59682				
ICV Standard		WP59686				
CCV Standard		WP59684				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP55836,WP55355,WP59687				

Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	11/16/17 09:19		OK
2	5.0PPBCN	5.0PPBCN	CAL2	11/16/17 09:19		OK
3	10PPBCN	10PPBCN	CAL3	11/16/17 09:19		OK
4	50PPBCN	50PPBCN	CAL4	11/16/17 09:19		OK
5	100PPBCN	100PPBCN	CAL5	11/16/17 09:19		OK
6	250PPBCN	250PPBCN	CAL6	11/16/17 09:19		OK
7	500PPBCN	500PPBCN	CAL7	11/16/17 09:19		OK
8	ICV1	ICV1	ICV	11/16/17 13:29		OK
9	ICB1	ICB1	ICB	11/16/17 13:29		OK
10	CCV1	CCV1	CCV	11/16/17 13:29		OK
11	CCB1	CCB1	CCB	11/16/17 13:29		OK
12	PB104313BL	PB104313BL	MB	11/16/17 13:29		OK
13	I6309-02	BU-02-111517	SAM	11/16/17 13:29		OK
14	I6309-02DUP	BU-02-111517DUP	DUP	11/16/17 13:33		OK
15	CCV2	CCV2	CCV	11/16/17 13:33		OK
16	CCB2	CCB2	CCB	11/16/17 13:33		OK

Report of Analysis

Client:		Date Collected:	11/15/2017 12:00:00 AM
Project:	LB91633	Date Received:	11/15/2017 12:00:00 AM
Client Sample ID:	BU-02-111517	SDG No.:	LB91633
Lab Sample ID:	I6309-02	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	0.0034	U	1	0.025		0.05	mg/Kg	11/16/2017	11/16/2017	9012B

Report of Analysis

Client:		Date Collected:	11/15/2017 12:00:00 AM
Project:	LB91633	Date Received:	11/15/2017 12:00:00 AM
Client Sample ID:	BU-02-111517	SDG No.:	LB91633
Lab Sample ID:	I6309-02	Matrix:	Solid
Level (low/med):	low	% Solid:	100

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: LB91633

SDG No.: LB91633

Contract: _____ Lab Code: CHEM

Case No.: LB91633

SAS No.: LB91633

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	Reactive Cyanide	0.097	0.099	98	0	85 - 115		11/16/2017	13:29	LB91633



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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB91633

SDG No.: LB91633

Contract: _____ Lab Code: CHEM

Case No.: LB91633

SAS No.: LB91633

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	Reactive Cyanide	0.24	0.25	96	0	90 - 110		11/16/2017	13:29	LB91633
CCV2	Reactive Cyanide	0.26	0.25	104	0	90 - 110		11/16/2017	13:33	LB91633



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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB91633

SDG No.: LB91633

Contract:

Lab Code: CHEM

Case No.: LB91633

SAS No.: LB91633

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Reactive Cyanide	-0	+/-0.005	U		0.005		11/16/2017	13:29	LB91633



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB91633

SDG No.: LB91633

Contract: _____

Lab Code: CHEM

Case No.: LB91633

SAS No.: LB91633

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Reactive Cyanide	0.0003	+/-0.005	U		0.005		11/16/2017	13:29	LB91633
CCB2	Reactive Cyanide	-0.0001	+/-0.005	U		0.005		11/16/2017	13:33	LB91633



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB91633

SDG No.: LB91633

Contract: Lab Code: CHEM

Case No.: LB91633

SAS No.: LB91633

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: LB91633

SDG No.: LB91633

Instrument: Konelab 20

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	LOD mg/Kg	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB104313BL	Reactive Cyanide	SOLID -0.0001	<0.05	Batch Number: U		PB104313 0.05		Prep Date: 11/16/2017	11/16/2017 13:29	LB91633

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DUPLICATE SAMPLE SUMMARY

Client: LB91633 **Level:** LOW **SDG No.:** LB91633
Contract: **Lab Code:** CHEM **Case No.:** LB91633 **SAS No.:** LB91633
Matrix: Solid **Sample ID:** I6309-02 **Client ID:** BU-02-111517DUP
Percent Solids for Sample: 100 **Duplicate ID** I6309-02DUP **Percent Solids for Spike Sample:** 100

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Reactive Cyanide	mg/Kg	20	0.025	U	0.00081	U			