

Daily Analysis Runlog For Sequence/QC Batch ID # LB91291

Review By

Review On

SubDirectory

LB91291

Test :

Reactive Cyanide

STD. NAME	STD REF.#
ICAL Standard	WP59302,WP59303,WP59304,WP59305,WP59306,WP59307,WP59308
ICV Standard	WP59311
CCV Standard	WP59309
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	WP59310,WP55836,WP55355

Sr#	SampleId	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	11/01/17 11:27		OK
2	5.0PPBCN	5.0PPBCN	CAL2	11/01/17 11:27		OK
3	10PPBCN	10PPBCN	CAL3	11/01/17 11:27		OK
4	50PPBCN	50PPBCN	CAL4	11/01/17 11:27		OK
5	100PPBCN	100PPBCN	CAL5	11/01/17 11:27		OK
6	250PPBCN	250PPBCN	CAL6	11/01/17 11:27		OK
7	500PPBCN	500PPBCN	CAL7	11/01/17 11:27		OK
8	ICV1	ICV1	ICV	11/01/17 14:41		OK
9	ICB1	ICB1	ICB	11/01/17 14:42		OK
10	CCV1	CCV1	CCV	11/01/17 14:42		OK
11	CCB1	CCB1	CCB	11/01/17 14:42		OK
12	PB103879BL	PB103879BL	MB	11/01/17 14:42		OK
13	I6247-03	S13-SP3-C	SAM	11/01/17 14:42		OK
14	I6247-03DUP	S13-SP3-CDUP	DUP	11/01/17 14:42		OK
15	I6249-02	COMP-1	SAM	11/01/17 14:47		OK
16	I6249-04	COMP-2	SAM	11/01/17 14:47		OK
17	I6252-02	HR-05-103117	SAM	11/01/17 14:47		OK
18	I6253-02	SA-01-103117	SAM	11/01/17 14:47		OK
19	I6254-03	DRUM-1-2	SAM	11/01/17 14:47		OK
20	CCV2	CCV2	CCV	11/01/17 14:47		OK
21	CCB2	CCB2	CCB	11/01/17 14:47		OK



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Report of Analysis

Client:		Date Collected:	10/31/2017 12:00:00 AM
Project:	LB91291	Date Received:	10/31/2017 12:00:00 AM
Client Sample ID:	S13-SP3-C	SDG No.:	LB91291
Lab Sample ID:	I6247-03	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	-0.014	U	1	0.025		0.05	mg/Kg	11/01/2017	11/01/2017	9012B



Report of Analysis

Client:		Date Collected:	10/31/2017 12:00:00 AM
Project:	LB91291	Date Received:	10/31/2017 12:00:00 AM
Client Sample ID:	COMP-1	SDG No.:	LB91291
Lab Sample ID:	I6249-02	Matrix:	Solid
Level (low/med):	low	% Solid:	82.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0.016	U	1	0.025		0.05	mg/Kg	11/01/2017	11/01/2017	9012B



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Report of Analysis

Client:		Date Collected:	10/31/2017 12:00:00 AM
Project:	LB91291	Date Received:	10/31/2017 12:00:00 AM
Client Sample ID:	COMP-2	SDG No.:	LB91291
Lab Sample ID:	I6249-04	Matrix:	Solid
Level (low/med):	low	% Solid:	80.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0.017	U	1	0.025		0.05	mg/Kg	11/01/2017	11/01/2017	9012B



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Report of Analysis

Client:		Date Collected:	10/31/2017 12:00:00 AM
Project:	LB91291	Date Received:	10/31/2017 12:00:00 AM
Client Sample ID:	HR-05-103117	SDG No.:	LB91291
Lab Sample ID:	I6252-02	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	-0.017	U	1	0.025		0.05	mg/Kg	11/01/2017	11/01/2017	9012B



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Report of Analysis

Client:		Date Collected:	10/31/2017 12:00:00 AM
Project:	LB91291	Date Received:	10/31/2017 12:00:00 AM
Client Sample ID:	SA-01-103117	SDG No.:	LB91291
Lab Sample ID:	I6253-02	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	-0.017	U	1	0.025		0.05	mg/Kg	11/01/2017	11/01/2017	9012B



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Report of Analysis

Client:		Date Collected:	10/31/2017 12:00:00 AM
Project:	LB91291	Date Received:	10/31/2017 12:00:00 AM
Client Sample ID:	DRUM-1-2	SDG No.:	LB91291
Lab Sample ID:	I6254-03	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	-0.015	U	1	0.025		0.05	mg/Kg	11/01/2017	11/01/2017	9012B



Report of Analysis

Client:		Date Collected:	10/31/2017 12:00:00 AM
Project:	LB91291	Date Received:	10/31/2017 12:00:00 AM
Client Sample ID:	DRUM-1-2	SDG No.:	LB91291
Lab Sample ID:	I6254-03	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: LB91291

SDG No.: LB91291

Contract: _____

Lab Code: CHEM

Case No.: LB91291

SAS No.: LB91291

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		11/01/2017	14:41	LB91291



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB91291

SDG No.: LB91291

Contract: _____ Lab Code: CHEM

Case No.: LB91291

SAS No.: LB91291

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	0.25	0.25	100	0	90 - 110		11/01/2017	14:42	LB91291
CCV2	Reactive Cyanide	0.26	0.25	104	0	90 - 110		11/01/2017	14:47	LB91291

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Reactive Cyanide	-0.0016	+/-0.005	U		0.005		11/01/2017	14:42	LB91291



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB91291

SDG No.: LB91291

Contract: _____

Lab Code: CHEM

Case No.: LB91291

SAS No.: LB91291

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Reactive Cyanide	-0.0013	+/-0.005	U		0.005		11/01/2017	14:42	LB91291
CCB2	Reactive Cyanide	-0.0015	+/-0.005	U		0.005		11/01/2017	14:47	LB91291



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB91291

SDG No.: LB91291

Contract: Lab Code: CHEM

Case No.: LB91291

SAS No.: LB91291

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: LB91291

SDG No.: LB91291

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
PB103879BL	Reactive Cyanide	SOLID -0.016	<0.05	Batch Number: U		PB103879 0.05		Prep Date: 11/01/2017	11/01/2017 14:42	LB91291

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DUPLICATE SAMPLE SUMMARY

Client: LB91291 **Level:** LOW **SDG No.:** LB91291
Contract: **Lab Code:** CHEM **Case No.:** LB91291 **SAS No.:** LB91291
Matrix: Solid **Sample ID:** I6247-03 **Client ID:** S13-SP3-CDUP
Percent Solids for Sample: 100 **Duplicate ID** I6247-03DUP **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	-0.016	U			