

Daily Analysis Runlog For Sequence/QC Batch ID # LB91839

Review By		Review On				
SubDirectory		LB91839		Test : Reactive Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP59948,WP59949,WP59950,WP59951,WP59952,WP59953,WP59954				
ICV Standard		WP59957				
CCV Standard		WP59955				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP55836,WP55355,WP59956				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	11/29/17 12:17		OK
2	5.0PPBCN	5.0PPBCN	CAL2	11/29/17 12:17		OK
3	10PPBCN	10PPBCN	CAL3	11/29/17 12:17		OK
4	50PPBCN	50PPBCN	CAL4	11/29/17 12:17		OK
5	100PPBCN	100PPBCN	CAL5	11/29/17 12:17		OK
6	250PPBCN	250PPBCN	CAL6	11/29/17 12:17		OK
7	500PPBCN	500PPBCN	CAL7	11/29/17 12:18		OK
8	ICV1	ICV1	ICV	11/29/17 13:21		OK
9	ICB1	ICB1	ICB	11/29/17 13:21		OK
10	CCV1	CCV1	CCV	11/29/17 13:21		OK
11	CCB1	CCB1	CCB	11/29/17 13:21		OK
12	PB104592BL	PB104592BL	MB	11/29/17 13:21		OK
13	I6302-08	HR-06-112817-A	SAM	11/29/17 13:21		OK
14	I6302-08DUP	HR-06-112817-ADUP	DUP	11/29/17 13:21		OK
15	I6302-10	HR-06-112817-B	SAM	11/29/17 13:28		OK
16	I6302-12	HR-06-112817-C	SAM	11/29/17 13:28		OK
17	I6304-23	CL-02-112817-A	SAM	11/29/17 13:28		OK
18	I6304-25	CL-02-112817-B	SAM	11/29/17 13:28		OK
19	I6304-27	CL-02-112817-C	SAM	11/29/17 13:28		OK
20	I6304-29	CL-02-112817-D	SAM	11/29/17 13:28		OK
21	I6304-31	CL-02-112817-E	SAM	11/29/17 13:28		OK

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ICAL Standard		WP59948,WP59949,WP59950,WP59951,WP59952,WP59953,WP59954				
ICV Standard		WP59957				
CCV Standard		WP59955				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP55836,WP55355,WP59956				
22	CCV2	CCV2	CCV	11/29/17 13:28		OK
23	CCB2	CCB2	CCB	11/29/17 13:28		OK
24	I6306-04	NB-08-112817-A	SAM	11/29/17 13:28		OK
25	I6306-06	NB-08-112817-B	SAM	11/29/17 13:28		OK
26	I6612-03	RT-3460	SAM	11/29/17 13:32		OK
27	I6616-03	P7-LOT-SP1-C	SAM	11/29/17 13:32		OK
28	CCV3	CCV3	CCV	11/29/17 13:32		OK
29	CCB3	CCB3	CCB	11/29/17 13:32		OK



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Report of Analysis

Client:		Date Collected:	11/28/2017 12:00:00 AM
Project:	LB91839	Date Received:	11/28/2017 12:00:00 AM
Client Sample ID:	HR-06-112817-A	SDG No.:	LB91839
Lab Sample ID:	I6302-08	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	-0.0098	U	1	0.025		0.05	mg/Kg	11/29/2017	11/29/2017	9012B



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Report of Analysis

Client:		Date Collected:	11/28/2017 12:00:00 AM
Project:	LB91839	Date Received:	11/28/2017 12:00:00 AM
Client Sample ID:	HR-06-112817-B	SDG No.:	LB91839
Lab Sample ID:	I6302-10	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	-0.011	U	1	0.025		0.05	mg/Kg	11/29/2017	11/29/2017	9012B



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Report of Analysis

Client:		Date Collected:	11/28/2017 12:00:00 AM
Project:	LB91839	Date Received:	11/28/2017 12:00:00 AM
Client Sample ID:	HR-06-112817-C	SDG No.:	LB91839
Lab Sample ID:	I6302-12	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	-0.01	U	1	0.025		0.05	mg/Kg	11/29/2017	11/29/2017	9012B



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Report of Analysis

Client:		Date Collected:	11/28/2017 12:00:00 AM
Project:	LB91839	Date Received:	11/28/2017 12:00:00 AM
Client Sample ID:	CL-02-112817-A	SDG No.:	LB91839
Lab Sample ID:	I6304-23	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	-0.011	U	1	0.025		0.05	mg/Kg	11/29/2017	11/29/2017	9012B



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Report of Analysis

Client:		Date Collected:	11/28/2017 12:00:00 AM
Project:	LB91839	Date Received:	11/28/2017 12:00:00 AM
Client Sample ID:	CL-02-112817-B	SDG No.:	LB91839
Lab Sample ID:	I6304-25	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	-0.0083	U	1	0.025		0.05	mg/Kg	11/29/2017	11/29/2017	9012B



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Report of Analysis

Client:		Date Collected:	11/28/2017 12:00:00 AM
Project:	LB91839	Date Received:	11/28/2017 12:00:00 AM
Client Sample ID:	CL-02-112817-C	SDG No.:	LB91839
Lab Sample ID:	I6304-27	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	-0.011	U	1	0.025		0.05	mg/Kg	11/29/2017	11/29/2017	9012B



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Report of Analysis

Client:		Date Collected:	11/28/2017 12:00:00 AM
Project:	LB91839	Date Received:	11/28/2017 12:00:00 AM
Client Sample ID:	CL-02-112817-D	SDG No.:	LB91839
Lab Sample ID:	I6304-29	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	-0.012	U	1	0.025		0.05	mg/Kg	11/29/2017	11/29/2017	9012B



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Report of Analysis

Client:		Date Collected:	11/28/2017 12:00:00 AM
Project:	LB91839	Date Received:	11/28/2017 12:00:00 AM
Client Sample ID:	CL-02-112817-E	SDG No.:	LB91839
Lab Sample ID:	I6304-31	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	-0.0095	U	1	0.025		0.05	mg/Kg	11/29/2017	11/29/2017	9012B



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Report of Analysis

Client:		Date Collected:	11/28/2017 12:00:00 AM
Project:	LB91839	Date Received:	11/28/2017 12:00:00 AM
Client Sample ID:	NB-08-112817-A	SDG No.:	LB91839
Lab Sample ID:	I6306-04	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	-0.011	U	1	0.025		0.05	mg/Kg	11/29/2017	11/29/2017	9012B



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Report of Analysis

Client:		Date Collected:	11/28/2017 12:00:00 AM
Project:	LB91839	Date Received:	11/28/2017 12:00:00 AM
Client Sample ID:	NB-08-112817-B	SDG No.:	LB91839
Lab Sample ID:	I6306-06	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	-0.011	U	1	0.025		0.049	mg/Kg	11/29/2017	11/29/2017	9012B



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Report of Analysis

Client:		Date Collected:	11/28/2017 12:00:00 AM
Project:	LB91839	Date Received:	11/28/2017 12:00:00 AM
Client Sample ID:	RT-3460	SDG No.:	LB91839
Lab Sample ID:	I6612-03	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	11/29/2017	11/29/2017	9012B



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Report of Analysis

Client:		Date Collected:	11/28/2017 12:00:00 AM
Project:	LB91839	Date Received:	11/28/2017 12:00:00 AM
Client Sample ID:	P7-LOT-SP1-C	SDG No.:	LB91839
Lab Sample ID:	I6616-03	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	-0.011	U	1	0.025		0.05	mg/Kg	11/29/2017	11/29/2017	9012B



Report of Analysis

Client:		Date Collected:	11/28/2017 12:00:00 AM
Project:	LB91839	Date Received:	11/28/2017 12:00:00 AM
Client Sample ID:	P7-LOT-SP1-C	SDG No.:	LB91839
Lab Sample ID:	I6616-03	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: LB91839

SDG No.: LB91839

Contract: _____

Lab Code: CHEM

Case No.: LB91839

SAS No.: LB91839

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	0.098	0.099	99	0	85 - 115		11/29/2017	13:21	lb91839



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB91839

SDG No.: LB91839

Contract: _____ Lab Code: CHEM

Case No.: LB91839

SAS No.: LB91839

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		11/29/2017	13:21	lb91839
CCV2	Reactive Cyanide	0.25	0.25	100	0	90 - 110		11/29/2017	13:28	lb91839
CCV3	Reactive Cyanide	0.26	0.25	104	0	90 - 110		11/29/2017	13:32	lb91839



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB91839 **SDG No.:** LB91839
Contract: **Lab Code:** CHEM **Case No.:** LB91839 **SAS No.:** LB91839

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Reactive Cyanide	-0.00014	+/-0.005	U		0.005		11/29/2017	13:21	lb91839

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Reactive Cyanide	-0	+/-0.005	U		0.005		11/29/2017	13:21	1b91839
CCB2	Reactive Cyanide	-0.00036	+/-0.005	U		0.005		11/29/2017	13:28	1b91839
CCB3	Reactive Cyanide	-0.00029	+/-0.005	U		0.005		11/29/2017	13:32	1b91839



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client:

LB91839

SDG No.:

LB91839

Contract:

Lab Code:

CHEM

Case No.:

LB91839

SAS No.:

LB91839

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
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GENCHEM
- 3b -
PREPARATION BLANK SUMMARY

Client: LB91839

SDG No.: LB91839

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
PB104592BL	Reactive Cyanide	SOLID -0.0018	<0.05	Batch Number: U		PB104592 0.05		Prep Date: 11/29/2017	11/29/2017 13:21	lb91839

GENCHEM

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB91839 **Level:** LOW **SDG No.:** LB91839
Contract: **Lab Code:** CHEM **Case No.:** LB91839 **SAS No.:** LB91839
Matrix: Solid **Sample ID:** I6302-08 **Client ID:** HR-06-112817-ADUP
Percent Solids for Sample: 100 **Duplicate ID** I6302-08DUP **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	-0.012	U			