

Daily Analysis Runlog For Sequence/QC Batch ID # LB96123

Review By		Review On				
SubDirectory		LB96123		Test : Reactive Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP65413,WP65414,WP65416,WP65417,WP65418,WP65419,WP65415				
ICV Standard		WP65421				
CCV Standard		WP65420				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP65422,WP64695,WP64696				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	06/19/18 11:21		OK
2	5.0PPBCN	5.0PPBCN	CAL2	06/19/18 11:21		OK
3	10PPBCN	10PPBCN	CAL3	06/19/18 11:21		OK
4	50PPBCN	50PPBCN	CAL4	06/19/18 11:21		OK
5	100PPBCN	100PPBCN	CAL5	06/19/18 11:21		OK
6	250PPBCN	250PPBCN	CAL6	06/19/18 11:21		OK
7	500PPBCN	500PPBCN	CAL7	06/19/18 11:21		OK
8	ICV1	ICV1	ICV	06/19/18 15:35		OK
9	ICB1	ICB1	ICB	06/19/18 15:35		OK
10	CCV1	CCV1	CCV	06/19/18 15:35		OK
11	CCB1	CCB1	CCB	06/19/18 15:35		OK
12	PB110398BL	PB110398BL	MB	06/19/18 15:35		OK
13	J3498-04	TP-G-S	SAM	06/19/18 15:35		OK
14	J3498-04DUP	TP-G-SDUP	DUP	06/19/18 15:35		OK
15	J3498-08	TP-G-D	SAM	06/19/18 15:35		OK
16	J3573-09	SB-47-COMP	SAM	06/19/18 15:35		OK
17	J3573-10	SB-48-COMP	SAM	06/19/18 15:35		OK
18	J3573-11	SB-49-COMP	SAM	06/19/18 15:35		OK
19	J3573-12	SB-50-COMP	SAM	06/19/18 15:42		OK
20	J3573-13	SB-54-COMP	SAM	06/19/18 15:42		OK
21	J3573-14	SB-45-COMP	SAM	06/19/18 15:42		OK



Instrument ID : KONELAB

284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

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SubDirectory		Test : Reactive Cyanide				
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ICAL Standard		WP65413,WP65414,WP65416,WP65417,WP65418,WP65419,WP65415				
ICV Standard		WP65421				
CCV Standard		WP65420				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP65422,WP64695,WP64696				
22	CCV2	CCV2	CCV	06/19/18 15:42		OK
23	CCB2	CCB2	CCB	06/19/18 15:42		OK
24	J3573-20	SB-52-COMP	SAM	06/19/18 15:42		OK
25	J3573-21	SB-53-COMP	SAM	06/19/18 15:42		OK
26	CCV3	CCV3	CCV	06/19/18 15:42		OK
27	CCB3	CCB3	CCB	06/19/18 15:42		OK



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Report of Analysis

Client:		Date Collected:	6/13/2018 12:00:00 AM
Project:	LB96123	Date Received:	6/13/2018 12:00:00 AM
Client Sample ID:	TP-G-S	SDG No.:	LB96123
Lab Sample ID:	J3498-04	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	-0.0017	U	1	0.025		0.05	mg/Kg	06/19/2018	06/19/2018	9012B



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Report of Analysis

Client:		Date Collected:	6/13/2018 12:00:00 AM
Project:	LB96123	Date Received:	6/13/2018 12:00:00 AM
Client Sample ID:	TP-G-D	SDG No.:	LB96123
Lab Sample ID:	J3498-08	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	0.0023	U	1	0.025		0.05	mg/Kg	06/19/2018	06/19/2018	9012B



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Report of Analysis

Client:		Date Collected:	6/15/2018 12:00:00 AM
Project:	LB96123	Date Received:	6/12/2018 12:00:00 AM
Client Sample ID:	SB-47-COMP	SDG No.:	LB96123
Lab Sample ID:	J3573-09	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	0.003	U	1	0.025		0.05	mg/Kg	06/19/2018	06/19/2018	9012B



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Report of Analysis

Client:		Date Collected:	6/15/2018 12:00:00 AM
Project:	LB96123	Date Received:	6/12/2018 12:00:00 AM
Client Sample ID:	SB-48-COMP	SDG No.:	LB96123
Lab Sample ID:	J3573-10	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	0.01	U	1	0.025		0.049	mg/Kg	06/19/2018	06/19/2018	9012B



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Report of Analysis

Client:		Date Collected:	6/15/2018 12:00:00 AM
Project:	LB96123	Date Received:	6/12/2018 12:00:00 AM
Client Sample ID:	SB-49-COMP	SDG No.:	LB96123
Lab Sample ID:	J3573-11	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	-0.0015	U	1	0.025		0.05	mg/Kg	06/19/2018	06/19/2018	9012B



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Report of Analysis

Client:		Date Collected:	6/15/2018 12:00:00 AM
Project:	LB96123	Date Received:	6/12/2018 12:00:00 AM
Client Sample ID:	SB-50-COMP	SDG No.:	LB96123
Lab Sample ID:	J3573-12	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	0.0024	U	1	0.025		0.05	mg/Kg	06/19/2018	06/19/2018	9012B



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Report of Analysis

Client:		Date Collected:	6/15/2018 12:00:00 AM
Project:	LB96123	Date Received:	6/12/2018 12:00:00 AM
Client Sample ID:	SB-54-COMP	SDG No.:	LB96123
Lab Sample ID:	J3573-13	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	0.0025	U	1	0.025		0.05	mg/Kg	06/19/2018	06/19/2018	9012B



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Report of Analysis

Client:		Date Collected:	6/12/2018 12:00:00 AM
Project:	LB96123	Date Received:	6/12/2018 12:00:00 AM
Client Sample ID:	SB-45-COMP	SDG No.:	LB96123
Lab Sample ID:	J3573-14	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	0.0066	U	1	0.025		0.05	mg/Kg	06/19/2018	06/19/2018	9012B



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Report of Analysis

Client:		Date Collected:	6/15/2018 12:00:00 AM
Project:	LB96123	Date Received:	6/11/2018 12:00:00 AM
Client Sample ID:	SB-52-COMP	SDG No.:	LB96123
Lab Sample ID:	J3573-20	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	0.0057	U	1	0.025		0.049	mg/Kg	06/19/2018	06/19/2018	9012B



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Report of Analysis

Client:		Date Collected:	6/15/2018 12:00:00 AM
Project:	LB96123	Date Received:	6/11/2018 12:00:00 AM
Client Sample ID:	SB-53-COMP	SDG No.:	LB96123
Lab Sample ID:	J3573-21	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	0.0082	U	1	0.025		0.05	mg/Kg	06/19/2018	06/19/2018	9012B



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Report of Analysis

Client:		Date Collected:	6/15/2018 12:00:00 AM
Project:	LB96123	Date Received:	6/11/2018 12:00:00 AM
Client Sample ID:	SB-53-COMP	SDG No.:	LB96123
Lab Sample ID:	J3573-21	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: LB96123

SDG No.: LB96123

Contract: _____ Lab Code: CHEM

Case No.: LB96123

SAS No.: LB96123

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	Reactive Cyanide	0.25	0.25	100		90 - 110		06/19/2018	15:35	Lb96123
CCV2	Reactive Cyanide	0.25	0.25	100		90 - 110		06/19/2018	15:42	Lb96123
CCV3	Reactive Cyanide	0.25	0.25	100		90 - 110		06/19/2018	15:42	Lb96123



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB96123

SDG No.: LB96123

Contract:

Lab Code: CHEM

Case No.: LB96123

SAS No.: LB96123

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Reactive Cyanide	-0.00057	+/-0.005	U		0.005		06/19/2018	15:35	Lb96123

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Reactive Cyanide	-0.00027	+/-0.005	U		0.005		06/19/2018	15:35	Lb96123
CCB2	Reactive Cyanide	-0.0012	+/-0.005	U		0.005		06/19/2018	15:42	Lb96123
CCB3	Reactive Cyanide	-0.00023	+/-0.005	U		0.005		06/19/2018	15:42	Lb96123



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB96123

SDG No.: LB96123

Contract: Lab Code: CHEM

Case No.: LB96123

SAS No.: LB96123

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: LB96123

SDG No.: LB96123

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
PB110398BL	Reactive Cyanide	SOLID -0.011	<0.05	Batch Number: U		PB110398 0.05		Prep Date: 06/19/2018	06/19/2018 15:35	Lb96123

GENCHEM

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB96123 **Level:** LOW **SDG No.:** LB96123
Contract: **Lab Code:** CHEM **Case No.:** LB96123 **SAS No.:** LB96123
Matrix: Solid **Sample ID:** J3498-04 **Client ID:** TP-G-SDUP
Percent Solids for Sample: 100 **Duplicate ID** J3498-04DUP **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	-0.003	U			