

Daily Analysis Runlog For Sequence/QC Batch ID # LB90695

Review By		Review On				
SubDirectory		LB90695		Test : Reactive Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP58658,WP58659,WP58660,WP58661,WP58662,WP58663,WP58656				
ICV Standard		WP58665				
CCV Standard		WP58664				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP58666,WP55355,WP55836				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	10/10/17 09:25		OK
2	5.0PPBCN	5.0PPBCN	CAL2	10/10/17 09:25		OK
3	10PPBCN	10PPBCN	CAL3	10/10/17 09:25		OK
4	50PPBCN	50PPBCN	CAL4	10/10/17 09:25		OK
5	100PPBCN	100PPBCN	CAL5	10/10/17 09:25		OK
6	250PPBCN	250PPBCN	CAL6	10/10/17 09:25		OK
7	500PPBCN	500PPBCN	CAL7	10/10/17 09:25		OK
8	ICV1	ICV1	ICV	10/10/17 11:13		OK
9	ICB1	ICB1	ICB	10/10/17 11:13		OK
10	CCV1	CCV1	CCV	10/10/17 11:13		OK
11	CCB1	CCB1	CCB	10/10/17 11:13		OK
12	PB103091BL	PB103091BL	MB	10/10/17 11:13		OK
13	I5745-03	HR-06-100617-A	SAM	10/10/17 11:13		OK
14	I5745-03DUP	HR-06-100617-ADUP	DUP	10/10/17 11:20		OK
15	I5745-06	HR-06-100617-B	SAM	10/10/17 11:20		OK
16	I5745-09	HR-06-100617-C	SAM	10/10/17 11:20		OK
17	I5748-03	CL-01-100617-A	SAM	10/10/17 11:20		OK
18	I5748-06	CL-01-100617-B	SAM	10/10/17 11:20		OK
19	I5748-09	CL-01-100617-C	SAM	10/10/17 11:20		OK
20	I5749-02	SP-COMP	SAM	10/10/17 11:20		OK
21	I5750-01	DRUM-COMP(1-10)	SAM	10/10/17 11:20		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				
LB90695						
STD. NAME		STD REF.#				
ICAL Standard		WP58658,WP58659,WP58660,WP58661,WP58662,WP58663,WP58664				
ICV Standard		WP58665				
CCV Standard		WP58664				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP58666,WP55355,WP55836				
22	CCV2	CCV2	CCV	10/10/17 11:20		OK
23	CCB2	CCB2	CCB	10/10/17 11:20		OK



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Report of Analysis

Client:		Date Collected:	10/6/2017 12:00:00 AM
Project:	LB90695	Date Received:	10/6/2017 12:00:00 AM
Client Sample ID:	HR-06-100617-A	SDG No.:	LB90695
Lab Sample ID:	I5745-03	Matrix:	Solid
Level (low/med):	low	% Solid:	96.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	0.0042	U	1	0.025		0.05	mg/Kg	10/09/2017	10/10/2017	9012B



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Report of Analysis

Client:		Date Collected:	10/6/2017 12:00:00 AM
Project:	LB90695	Date Received:	10/6/2017 12:00:00 AM
Client Sample ID:	HR-06-100617-B	SDG No.:	LB90695
Lab Sample ID:	I5745-06	Matrix:	Solid
Level (low/med):	low	% Solid:	93.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	0.004	U	1	0.025		0.05	mg/Kg	10/09/2017	10/10/2017	9012B



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Report of Analysis

Client:		Date Collected:	10/6/2017 12:00:00 AM
Project:	LB90695	Date Received:	10/6/2017 12:00:00 AM
Client Sample ID:	HR-06-100617-C	SDG No.:	LB90695
Lab Sample ID:	I5745-09	Matrix:	Solid
Level (low/med):	low	% Solid:	93.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0.00079	U	1	0.025		0.05	mg/Kg	10/09/2017	10/10/2017	9012B



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Report of Analysis

Client:		Date Collected:	10/6/2017 12:00:00 AM
Project:	LB90695	Date Received:	10/6/2017 12:00:00 AM
Client Sample ID:	CL-01-100617-A	SDG No.:	LB90695
Lab Sample ID:	I5748-03	Matrix:	Solid
Level (low/med):	low	% Solid:	91.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	0.0078	U	1	0.025		0.05	mg/Kg	10/09/2017	10/10/2017	9012B

Report of Analysis

Client:		Date Collected:	10/6/2017 12:00:00 AM
Project:	LB90695	Date Received:	10/6/2017 12:00:00 AM
Client Sample ID:	CL-01-100617-B	SDG No.:	LB90695
Lab Sample ID:	I5748-06	Matrix:	Solid
Level (low/med):	low	% Solid:	94.2

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	10/09/2017	10/10/2017	9012B



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Report of Analysis

Client:		Date Collected:	10/6/2017 12:00:00 AM
Project:	LB90695	Date Received:	10/6/2017 12:00:00 AM
Client Sample ID:	CL-01-100617-C	SDG No.:	LB90695
Lab Sample ID:	I5748-09	Matrix:	Solid
Level (low/med):	low	% Solid:	94.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	0.009	U	1	0.025		0.05	mg/Kg	10/09/2017	10/10/2017	9012B



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Report of Analysis

Client:		Date Collected:	10/6/2017 12:00:00 AM
Project:	LB90695	Date Received:	10/6/2017 12:00:00 AM
Client Sample ID:	SP-COMP	SDG No.:	LB90695
Lab Sample ID:	I5749-02	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	-0.0008	U	1	0.025		0.049	mg/Kg	10/09/2017	10/10/2017	9012B



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Report of Analysis

Client:		Date Collected:	10/6/2017 12:00:00 AM
Project:	LB90695	Date Received:	10/6/2017 12:00:00 AM
Client Sample ID:	DRUM-COMP(1-10)	SDG No.:	LB90695
Lab Sample ID:	I5750-01	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	0.0044	U	1	0.025		0.05	mg/Kg	10/09/2017	10/10/2017	9012B

Report of Analysis

Client:		Date Collected:	10/6/2017 12:00:00 AM
Project:	LB90695	Date Received:	10/6/2017 12:00:00 AM
Client Sample ID:	DRUM-COMP(1-10)	SDG No.:	LB90695
Lab Sample ID:	I5750-01	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: LB90695

SDG No.: LB90695

Contract: _____ Lab Code: CHEM

Case No.: LB90695

SAS No.: LB90695

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		10/10/2017	11:13	LB90695
CCV2	Reactive Cyanide	0.25	0.25	100	0	90 - 110		10/10/2017	11:20	LB90695



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB90695 **SDG No.:** LB90695
Contract: **Lab Code:** CHEM **Case No.:** LB90695 **SAS No.:** LB90695

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Reactive Cyanide	0.00069	+/-0.005	U		0.005		10/10/2017	11:13	LB90695



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB90695

SDG No.: LB90695

Contract: _____

Lab Code: CHEM

Case No.: LB90695

SAS No.: LB90695

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Reactive Cyanide	0.00061	+/-0.005	U		0.005		10/10/2017	11:13	LB90695
CCB2	Reactive Cyanide	0.0014	+/-0.005	U		0.005		10/10/2017	11:20	LB90695



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB90695

SDG No.: LB90695

Contract: Lab Code: CHEM

Case No.: LB90695

SAS No.: LB90695

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: LB90695

SDG No.: LB90695

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
PB103091BL	Reactive Cyanide	SOLID 0.0039	<0.05	Batch Number: U		PB103091 0.05		Prep Date: 10/10/2017	10/09/2017 11:13	LB90695

GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB90695 Level: LOW SDG No.: LB90695
Contract: _____ Lab Code: CHEM Case No.: LB90695 SAS No.: LB90695
Matrix: Solid Sample ID: I5745-03 Client ID: HR-06-100617-ADUP
Percent Solids for Sample: 96.5 Duplicate ID I5745-03DUP Percent Solids for Spike Sample: 96.5

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Reactive Cyanide	mg/Kg	20	0.025	U	0.005	U			