

Daily Analysis Runlog For Sequence/QC Batch ID # LB92000

Review By		Review On				
SubDirectory		LB92000		Test : Reactive Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP60172,WP60173,WP60174,WP60175,WP60176,WP60177,WP60178				
ICV Standard		WP60180				
CCV Standard		WP60179				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP60181,WP59958,WP60150				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	12/07/17 08:38		OK
2	5.0PPBCN	5.0PPBCN	CAL2	12/07/17 08:38		OK
3	10PPBCN	10PPBCN	CAL3	12/07/17 08:38		OK
4	50PPBCN	50PPBCN	CAL4	12/07/17 08:38		OK
5	100PPBCN	100PPBCN	CAL5	12/07/17 08:38		OK
6	250PPBCN	250PPBCN	CAL6	12/07/17 08:38		OK
7	500PPBCN	500PPBCN	CAL7	12/07/17 08:38		OK
8	ICV1	ICV1	ICV	12/07/17 09:10		OK
9	ICB1	ICB1	ICB	12/07/17 09:10		OK
10	CCV1	CCV1	CCV	12/07/17 09:10		OK
11	CCB1	CCB1	CCB	12/07/17 09:10		OK
12	PB104774BL	PB104774BL	MB	12/07/17 09:10		OK
13	I6303-02	HD-02-120417	SAM	12/07/17 09:10		OK
14	I6303-02DUP	HD-02-120417DUP	DUP	12/07/17 09:10		OK
15	I6675-02	SU-04-120517	SAM	12/07/17 09:18		OK
16	I6676-02	OK-02-120417	SAM	12/07/17 09:18		OK
17	I6683-02	EO-01-120517-A	SAM	12/07/17 09:18		OK
18	I6683-04	EO-01-120517-B	SAM	12/07/17 09:18		OK
19	I6683-06	EO-01-120517-C	SAM	12/07/17 09:18		OK
20	I6685-04	AU-06-120517-B	SAM	12/07/17 09:18		OK
21	CCV2	CCV2	CCV	12/07/17 09:18		OK

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

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ICAL Standard		WP60172,WP60173,WP60174,WP60175,WP60176,WP60177,WP60178				
ICV Standard		WP60180				
CCV Standard		WP60179				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP60181,WP59958,WP60150				
22	CCB2	CCB2	CCB	12/07/17 09:18		OK
23	I6738-03	88-20-90-20	SAM	12/07/17 09:18		OK
24	I6741-02	DRUM-1-7	SAM	12/07/17 09:18		OK
25	PB104775BL	PB104775BL	MB	12/07/17 09:22		OK
26	I6742-02	TOTES-1-4	SAM	12/07/17 09:22		OK
27	I6742-02DUP	TOTES-1-4DUP	DUP	12/07/17 09:22		OK
28	I6685-02	AU-06-120517-A	SAM	12/07/17 09:40		OK
29	CCV3	CCV3	CCV	12/07/17 09:40		OK
30	CCB3	CCB3	CCB	12/07/17 09:40		OK



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Report of Analysis

Client:		Date Collected:	12/4/2017 12:00:00 AM
Project:	LB92000	Date Received:	12/4/2017 12:00:00 AM
Client Sample ID:	HD-02-120417	SDG No.:	LB92000
Lab Sample ID:	I6303-02	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	-0.006	U	1	0.025		0.05	mg/Kg	12/06/2017	12/07/2017	9012B



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Report of Analysis

Client:		Date Collected:	12/5/2017 12:00:00 AM
Project:	LB92000	Date Received:	12/5/2017 12:00:00 AM
Client Sample ID:	SU-04-120517	SDG No.:	LB92000
Lab Sample ID:	I6675-02	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	-0.0043	U	1	0.025		0.05	mg/Kg	12/06/2017	12/07/2017	9012B



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Report of Analysis

Client:		Date Collected:	12/4/2017 12:00:00 AM
Project:	LB92000	Date Received:	12/4/2017 12:00:00 AM
Client Sample ID:	OK-02-120417	SDG No.:	LB92000
Lab Sample ID:	I6676-02	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	-0.006	U	1	0.025		0.05	mg/Kg	12/06/2017	12/07/2017	9012B



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Report of Analysis

Client:		Date Collected:	12/5/2017 12:00:00 AM
Project:	LB92000	Date Received:	12/5/2017 12:00:00 AM
Client Sample ID:	EO-01-120517-A	SDG No.:	LB92000
Lab Sample ID:	I6683-02	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	-0.0053	U	1	0.025		0.05	mg/Kg	12/06/2017	12/07/2017	9012B



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Report of Analysis

Client:		Date Collected:	12/5/2017 12:00:00 AM
Project:	LB92000	Date Received:	12/5/2017 12:00:00 AM
Client Sample ID:	EO-01-120517-B	SDG No.:	LB92000
Lab Sample ID:	I6683-04	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	-0.005	U	1	0.025		0.05	mg/Kg	12/06/2017	12/07/2017	9012B



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Report of Analysis

Client:		Date Collected:	12/5/2017 12:00:00 AM
Project:	LB92000	Date Received:	12/5/2017 12:00:00 AM
Client Sample ID:	EO-01-120517-C	SDG No.:	LB92000
Lab Sample ID:	I6683-06	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	0.0023	U	1	0.025		0.05	mg/Kg	12/06/2017	12/07/2017	9012B



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Report of Analysis

Client:		Date Collected:	12/5/2017 12:00:00 AM
Project:	LB92000	Date Received:	12/5/2017 12:00:00 AM
Client Sample ID:	AU-06-120517-A	SDG No.:	LB92000
Lab Sample ID:	I6685-02	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	-0.0045	U	1	0.025		0.05	mg/Kg	12/06/2017	12/07/2017	9012B



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Report of Analysis

Client:		Date Collected:	12/5/2017 12:00:00 AM
Project:	LB92000	Date Received:	12/5/2017 12:00:00 AM
Client Sample ID:	AU-06-120517-B	SDG No.:	LB92000
Lab Sample ID:	I6685-04	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	-0.003	U	1	0.025		0.05	mg/Kg	12/06/2017	12/07/2017	9012B



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Report of Analysis

Client:		Date Collected:	12/5/2017 12:00:00 AM
Project:	LB92000	Date Received:	12/5/2017 12:00:00 AM
Client Sample ID:	88-20-90-20	SDG No.:	LB92000
Lab Sample ID:	I6738-03	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	-0.0044	U	1	0.025		0.05	mg/Kg	12/06/2017	12/07/2017	9012B



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Report of Analysis

Client:		Date Collected:	12/5/2017 12:00:00 AM
Project:	LB92000	Date Received:	12/5/2017 12:00:00 AM
Client Sample ID:	DRUM-1-7	SDG No.:	LB92000
Lab Sample ID:	I6741-02	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	-0.0041	U	1	0.025		0.05	mg/Kg	12/06/2017	12/07/2017	9012B



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Report of Analysis

Client:		Date Collected:	12/5/2017 12:00:00 AM
Project:	LB92000	Date Received:	12/5/2017 12:00:00 AM
Client Sample ID:	TOTES-1-4	SDG No.:	LB92000
Lab Sample ID:	I6742-02	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0.00049	U	1	0.0025		0.005	mg/L	12/06/2017	12/07/2017	9012B



Report of Analysis

Client:		Date Collected:	12/5/2017 12:00:00 AM
Project:	LB92000	Date Received:	12/5/2017 12:00:00 AM
Client Sample ID:	TOTES-1-4	SDG No.:	LB92000
Lab Sample ID:	I6742-02	Matrix:	WATER
Level (low/med):	low	% Solid:	0

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: LB92000

SDG No.: LB92000

Contract: _____ Lab Code: CHEM

Case No.: LB92000

SAS No.: LB92000

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		12/07/2017	09:10	lb92000



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB92000

SDG No.: LB92000

Contract: _____ Lab Code: CHEM

Case No.: LB92000

SAS No.: LB92000

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		12/07/2017	09:10	lb92000
CCV2	Reactive Cyanide	0.25	0.25	100	0	90 - 110		12/07/2017	09:18	lb92000
CCV3	Reactive Cyanide	0.26	0.25	104	0	90 - 110		12/07/2017	09:40	lb92000



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB92000 **SDG No.:** LB92000
Contract: **Lab Code:** CHEM **Case No.:** LB92000 **SAS No.:** LB92000

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Reactive Cyanide	-0.0001	+/-0.005	U		0.005		12/07/2017	09:10	lb92000



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB92000

SDG No.: LB92000

Contract:

Lab Code: CHEM

Case No.: LB92000

SAS No.: LB92000

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Reactive Cyanide	0.00011	+/-0.005	U		0.005		12/07/2017	09:10	1b92000
CCB2	Reactive Cyanide	-0	+/-0.005	U		0.005		12/07/2017	09:18	1b92000
CCB3	Reactive Cyanide	-0.00023	+/-0.005	U		0.005		12/07/2017	09:40	1b92000



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB92000

SDG No.: LB92000

Contract: Lab Code: CHEM

Case No.: LB92000

SAS No.: LB92000

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: LB92000

SDG No.: LB92000

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
PB104774BL	Reactive Cyanide	SOLID		Batch Number:		PB104774		Prep Date:	12/06/2017	
		-0.0041	<0.05	U		0.05		12/07/2017	09:10	lb92000
Sample ID	Analyte	Result (mg/L)	Acceptance Limit	Conc Qual	LOD mg/L	CRQL mg/L	M	Analysis Date	Analysis Time	Run
PB104775BL	Reactive Cyanide	WATER		Batch Number:		PB104775		Prep Date:	12/06/2017	
		-0.00032	<0.005	U		0.005		12/07/2017	09:22	lb92000

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DUPLICATE SAMPLE SUMMARY

Client: LB92000 **Level:** LOW **SDG No.:** LB92000
Contract: _____ **Lab Code:** CHEM **Case No.:** LB92000 **SAS No.:** LB92000
Matrix: Solid **Sample ID:** I6303-02 **Client ID:** HD-02-120417DUP
Percent Solids for Sample: 100 **Duplicate ID** I6303-02DUP **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	-0.0063	U			

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DUPLICATE SAMPLE SUMMARY

Client: LB92000 **Level:** LOW **SDG No.:** LB92000
Contract: **Lab Code:** CHEM **Case No.:** LB92000 **SAS No.:** LB92000
Matrix: WATER **Sample ID:** I6742-02 **Client ID:** TOTES-1-4DUP
Percent Solids for Sample: 0 **Duplicate ID** I6742-02DUP **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Reactive Cyanide	mg/L	20	0.0025	U	-0.00061	U			