

Daily Analysis Runlog For Sequence/QC Batch ID # LB92185

Review By		Review On				
SubDirectory		LB92185		Test : Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP60388,WP60389,WP60390,WP60391,WP60392,WP60393,WP60394				
ICV Standard		W1541				
CCV Standard		WP60395				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP58910				
Chk Standard		WP60397,WP59958,WP60150				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	12/15/17 11:19		OK
2	5.0PPBCN	5.0PPBCN	CAL2	12/15/17 11:19		OK
3	10PPBCN	10PPBCN	CAL3	12/15/17 11:19		OK
4	50PPBCN	50PPBCN	CAL4	12/15/17 11:19		OK
5	100PPBCN	100PPBCN	CAL5	12/15/17 11:19		OK
6	250PPBCN	250PPBCN	CAL6	12/15/17 11:19		OK
7	500PPBCN	500PPBCN	CAL7	12/15/17 11:19		OK
8	ICV1	ICV1	ICV	12/15/17 11:53		OK
9	ICB1	ICB1	ICB	12/15/17 11:53		OK
10	CCV1	CCV1	CCV	12/15/17 11:53		OK
11	CCB1	CCB1	CCB	12/15/17 11:53		OK
12	PB105062BL	PB105062BL	MB	12/15/17 11:53		OK
13	PB105062BS	PB105062BS	LCS	12/15/17 11:53		OK
14	LOWPB105062	LOWPB105062	SAM	12/15/17 11:53		OK
15	HIGHPB105062	HIGHPB105062	SAM	12/15/17 12:01		OK
16	I6680-11	CL-02-121417-A	SAM	12/15/17 12:01		OK
17	I6680-11DUP	CL-02-121417-ADUP	DUP	12/15/17 12:01		OK
18	I6680-11MS	CL-02-121417-AMS	MS	12/15/17 12:01		OK
19	I6680-11MSD	CL-02-121417-AMSD	MSD	12/15/17 12:01		OK
20	I6680-13	CL-02-121417-B	SAM	12/15/17 12:01		OK
21	I6680-15	CL-02-121417-C	SAM	12/15/17 12:01		OK

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

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CCV Standard		WP60395				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP58910				
Chk Standard		WP60397,WP59958,WP60150				
22	CCV2	CCV2	CCV	12/15/17 12:01		OK
23	CCB2	CCB2	CCB	12/15/17 12:01		OK
24	I6680-17	CL-02-121417-D	SAM	12/15/17 12:01		OK
25	I6744-05	PROS-3-E(13-14)	SAM	12/15/17 12:01		OK
26	I6911-01	SL-TRANSFORMER	SAM	12/15/17 12:06		OK
27	I6919-01	339	SAM	12/15/17 12:06		OK
28	CCV3	CCV3	CCV	12/15/17 12:06		OK
29	CCB3	CCB3	CCB	12/15/17 12:06		OK



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Report of Analysis

Client:		Date Collected:	
Project:	LB92185	Date Received:	
Client Sample ID:	HIGHPB105062	SDG No.:	LB92185
Lab Sample ID:	HIGHPB105062	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.48		1	0.003		0.005	mg/L		12/15/2017	9012B



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Report of Analysis

Client:		Date Collected:	12/14/2017 12:00:00 AM
Project:	LB92185	Date Received:	12/14/2017 12:00:00 AM
Client Sample ID:	CL-02-121417-A	SDG No.:	LB92185
Lab Sample ID:	I6680-11	Matrix:	Solid
Level (low/med):	low	% Solid:	89.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.032	U	1	0.036		0.27	mg/Kg	12/15/2017	12/15/2017	9012B



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Report of Analysis

Client:		Date Collected:	12/14/2017 12:00:00 AM
Project:	LB92185	Date Received:	12/14/2017 12:00:00 AM
Client Sample ID:	CL-02-121417-B	SDG No.:	LB92185
Lab Sample ID:	I6680-13	Matrix:	Solid
Level (low/med):	low	% Solid:	88.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.027	U	1	0.036		0.27	mg/Kg	12/15/2017	12/15/2017	9012B



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Report of Analysis

Client:		Date Collected:	12/14/2017 12:00:00 AM
Project:	LB92185	Date Received:	12/14/2017 12:00:00 AM
Client Sample ID:	CL-02-121417-C	SDG No.:	LB92185
Lab Sample ID:	I6680-15	Matrix:	Solid
Level (low/med):	low	% Solid:	87.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.063	J	1	0.037		0.28	mg/Kg	12/15/2017	12/15/2017	9012B



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Report of Analysis

Client:		Date Collected:	12/14/2017 12:00:00 AM
Project:	LB92185	Date Received:	12/14/2017 12:00:00 AM
Client Sample ID:	CL-02-121417-D	SDG No.:	LB92185
Lab Sample ID:	I6680-17	Matrix:	Solid
Level (low/med):	low	% Solid:	91.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.035	J	1	0.034		0.26	mg/Kg	12/15/2017	12/15/2017	9012B



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Report of Analysis

Client:		Date Collected:	12/4/2017 12:00:00 AM
Project:	LB92185	Date Received:	12/5/2017 12:00:00 AM
Client Sample ID:	PROS-3-E(13-14)	SDG No.:	LB92185
Lab Sample ID:	I6744-05	Matrix:	Solid
Level (low/med):	low	% Solid:	85.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.095	J	1	0.037		0.28	mg/Kg	12/15/2017	12/15/2017	9012B



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Report of Analysis

Client:		Date Collected:	12/14/2017 12:00:00 AM
Project:	LB92185	Date Received:	12/14/2017 12:00:00 AM
Client Sample ID:	SL-TRANSFORMERS	SDG No.:	LB92185
Lab Sample ID:	I6911-01	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.035	J	1	0.031		0.24	mg/Kg	12/15/2017	12/15/2017	9012B



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Report of Analysis

Client:		Date Collected:	12/14/2017 12:00:00 AM
Project:	LB92185	Date Received:	12/14/2017 12:00:00 AM
Client Sample ID:	339	SDG No.:	LB92185
Lab Sample ID:	I6919-01	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.
57-12-5	Cyanide	0.054	J	1	0.033		0.25	mg/Kg	12/15/2017	12/15/2017	9012B



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Report of Analysis

Client:		Date Collected:	
Project:	LB92185	Date Received:	
Client Sample ID:	LOWPB105062	SDG No.:	LB92185
Lab Sample ID:	LOWPB105062	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.0098		1	0.003		0.005	mg/L		12/15/2017	9012B



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Report of Analysis

Client:		Date Collected:	
Project:	LB92185	Date Received:	
Client Sample ID:	LOWPB105062	SDG No.:	LB92185
Lab Sample ID:	LOWPB105062	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: LB92185

SDG No.: LB92185

Contract: _____ Lab Code: CHEM

Case No.: LB92185

SAS No.: LB92185

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	Cyanide	0.24	0.25	96	0	90 - 110		12/15/2017	11:53	lb92185
CCV2	Cyanide	0.24	0.25	96	0	90 - 110		12/15/2017	12:01	lb92185
CCV3	Cyanide	0.25	0.25	100	0	90 - 110		12/15/2017	12:06	lb92185



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB92185 **SDG No.:** LB92185
Contract: **Lab Code:** CHEM **Case No.:** LB92185 **SAS No.:** LB92185

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Cyanide	0.00046	+/-0.005	U		0.005		12/15/2017	11:53	lb92185



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB92185

SDG No.: LB92185

Contract:

Lab Code: CHEM

Case No.: LB92185

SAS No.: LB92185

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Cyanide	0.00045	+/-0.005	U		0.005		12/15/2017	11:53	lb92185
CCB2	Cyanide	0.00058	+/-0.005	U		0.005		12/15/2017	12:01	lb92185
CCB3	Cyanide	0.00024	+/-0.005	U		0.005		12/15/2017	12:06	lb92185



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB92185

SDG No.: LB92185

Contract: Lab Code: CHEM

Case No.: LB92185

SAS No.: LB92185

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: LB92185

SDG No.: LB92185

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
PB105062BL		SOLID		Batch Number:		PB105062		Prep Date:	12/15/2017	
	Cyanide	0.055	<0.24	J		0.24		12/15/2017	11:53	lb92185



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB92185 level: low sdg no.: LB92185
contract: lab code: CHEM case no.: LB92185 sas no.: LB92185
matrix: Solid sample id: I6680-11 client id: CL-02-121417-AMS
Percent Solids for Sample: 89.7 Spiked ID: I6680-11MS Percent Solids for Spike Sample: 89.7

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	1.8		0.036	U	2.1	85.7		



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB92185 level: low sdg no.: LB92185
contract: lab code: CHEM case no.: LB92185 sas no.: LB92185
matrix: Solid sample id: I6680-11 client id: CL-02-121417-AMSD
Percent Solids for Sample: 89.7 Spiked ID: I6680-11MSD Percent Solids for Spike Sample: 89.7

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	1.8		0.036	U	2.2	81.8		

GENCHEM

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB92185 **Level:** LOW **SDG No.:** LB92185
Contract: **Lab Code:** CHEM **Case No.:** LB92185 **SAS No.:** LB92185
Matrix: Solid **Sample ID:** I6680-11 **Client ID:** CL-02-121417-ADUP
Percent Solids for Sample: 89.7 **Duplicate ID** I6680-11DUP **Percent Solids for Spike Sample:** 89.7

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	0.036	U	0.018	U			

GENCHEM

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB92185 **Level:** LOW **SDG No.:** LB92185
Contract: **Lab Code:** CHEM **Case No.:** LB92185 **SAS No.:** LB92185
Matrix: Solid **Sample ID:** I6680-11MS **Client ID:** CL-02-121417-AMSD
Percent Solids for Sample: 89.7 **Duplicate ID** I6680-11MSD **Percent Solids for Spike Sample:** 89.7

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	1.8		1.8		0		



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- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: LB92185

SDG No.: LB92185

Contract:

Lab Code: CHEM

Case No.: LB92185

SAS No.: LB92185

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB105062BS Cyanide	mg/Kg	4.9	4.7		95.9	85 - 115	