

Daily Analysis Runlog For Sequence/QC Batch ID # LB92278

Review By		Review On				
SubDirectory		LB92278		Test : Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP60464,WP60465,WP60466,WP60467,WP60468,WP60469,WP60470				
ICV Standard		W1541				
CCV Standard		WP60471				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP58910				
Chk Standard		WP60473,WP59958,WP60150				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	12/20/17 11:23		OK
2	5.0PPBCN	5.0PPBCN	CAL2	12/20/17 11:23		OK
3	10PPBCN	10PPBCN	CAL3	12/20/17 11:23		OK
4	50PPBCN	50PPBCN	CAL4	12/20/17 11:23		OK
5	100PPBCN	100PPBCN	CAL5	12/20/17 11:23		OK
6	250PPBCN	250PPBCN	CAL6	12/20/17 11:23		OK
7	500PPBCN	500PPBCN	CAL7	12/20/17 11:23		OK
8	ICV1	ICV1	ICV	12/20/17 12:33		OK
9	ICB1	ICB1	ICB	12/20/17 12:33		OK
10	CCV1	CCV1	CCV	12/20/17 12:33		OK
11	CCB1	CCB1	CCB	12/20/17 12:33		OK
12	PB105199BL	PB105199BL	MB	12/20/17 12:33		OK
13	PB105199BS	PB105199BS	LCS	12/20/17 12:33		OK
14	LOWPB105199	LOWPB105199	SAM	12/20/17 12:33		OK
15	HIGHPB105199	HIGHPB105199	SAM	12/20/17 12:41		OK
16	I6681-01	PL-01-121917-A	SAM	12/20/17 12:41		OK
17	I6681-01DUP	PL-01-121917-ADUP	DUP	12/20/17 12:41		OK
18	I6681-01MS	PL-01-121917-AMS	MS	12/20/17 12:41		OK
19	I6681-01MSD	PL-01-121917-AMSD	MSD	12/20/17 12:41		OK
20	I6681-03	PL-01-121917-B	SAM	12/20/17 12:41		OK
21	I6681-05	PL-01-121917-C	SAM	12/20/17 12:41		OK

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

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ICV Standard		W1541				
CCV Standard		WP60471				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP58910				
Chk Standard		WP60473,WP59958,WP60150				
22	CCV2	CCV2	CCV	12/20/17 12:41		OK
23	CCB2	CCB2	CCB	12/20/17 12:41		OK
24	I6681-07	PL-01-121917-D	SAM	12/20/17 12:41		OK
25	I6988-01	RT4008-RT3867-RT3	SAM	12/20/17 12:41		OK
26	I6990-01	MH-CONCRETE	SAM	12/20/17 12:45		OK
27	I6995-01	TP-1	SAM	12/20/17 12:45		OK
28	I6995-02	TP-2	SAM	12/20/17 12:45		OK
29	CCV3	CCV3	CCV	12/20/17 12:45		OK
30	CCB3	CCB3	CCB	12/20/17 12:45		OK



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Report of Analysis

Client:		Date Collected:	
Project:	LB92278	Date Received:	
Client Sample ID:	HIGHPB105199	SDG No.:	LB92278
Lab Sample ID:	HIGHPB105199	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		12/20/2017	9012B



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Report of Analysis

Client:		Date Collected:	12/19/2017 12:00:00 AM
Project:	LB92278	Date Received:	12/19/2017 12:00:00 AM
Client Sample ID:	PL-01-121917-A	SDG No.:	LB92278
Lab Sample ID:	I6681-01	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	0.057	J	1	0.037		0.28	mg/Kg	12/20/2017	12/20/2017	9012B



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Report of Analysis

Client:		Date Collected:	12/19/2017 12:00:00 AM
Project:	LB92278	Date Received:	12/19/2017 12:00:00 AM
Client Sample ID:	PL-01-121917-B	SDG No.:	LB92278
Lab Sample ID:	I6681-03	Matrix:	Solid
Level (low/med):	low	% Solid:	85.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.021	U	1	0.037		0.28	mg/Kg	12/20/2017	12/20/2017	9012B



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Report of Analysis

Client:		Date Collected:	12/19/2017 12:00:00 AM
Project:	LB92278	Date Received:	12/19/2017 12:00:00 AM
Client Sample ID:	PL-01-121917-C	SDG No.:	LB92278
Lab Sample ID:	I6681-05	Matrix:	Solid
Level (low/med):	low	% Solid:	89.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.026	U	1	0.035		0.27	mg/Kg	12/20/2017	12/20/2017	9012B



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Report of Analysis

Client:		Date Collected:	12/19/2017 12:00:00 AM
Project:	LB92278	Date Received:	12/19/2017 12:00:00 AM
Client Sample ID:	PL-01-121917-D	SDG No.:	LB92278
Lab Sample ID:	I6681-07	Matrix:	Solid
Level (low/med):	low	% Solid:	86.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.033	U	1	0.037		0.28	mg/Kg	12/20/2017	12/20/2017	9012B



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Report of Analysis

Client:		Date Collected:	12/19/2017 12:00:00 AM
Project:	LB92278	Date Received:	12/19/2017 12:00:00 AM
Client Sample ID:	RT4008-RT3867-RT3075	SDG No.:	LB92278
Lab Sample ID:	I6988-01	Matrix:	Solid
Level (low/med):	low	% Solid:	87

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.1	J	1	0.038		0.28	mg/Kg	12/20/2017	12/20/2017	9012B



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Report of Analysis

Client:		Date Collected:	12/19/2017 12:00:00 AM
Project:	LB92278	Date Received:	12/19/2017 12:00:00 AM
Client Sample ID:	MH-CONCRETE	SDG No.:	LB92278
Lab Sample ID:	I6990-01	Matrix:	Solid
Level (low/med):	low	% Solid:	90.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.18	J	1	0.035		0.26	mg/Kg	12/20/2017	12/20/2017	9012B



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Report of Analysis

Client:		Date Collected:	12/19/2017 12:00:00 AM
Project:	LB92278	Date Received:	12/19/2017 12:00:00 AM
Client Sample ID:	TP-1	SDG No.:	LB92278
Lab Sample ID:	I6995-01	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	0.035	U	1	0.037		0.28	mg/Kg	12/20/2017	12/20/2017	9012B



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Report of Analysis

Client:		Date Collected:	12/19/2017 12:00:00 AM
Project:	LB92278	Date Received:	12/19/2017 12:00:00 AM
Client Sample ID:	TP-2	SDG No.:	LB92278
Lab Sample ID:	I6995-02	Matrix:	Solid
Level (low/med):	low	% Solid:	79.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.19	J	1	0.041		0.31	mg/Kg	12/20/2017	12/20/2017	9012B



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Report of Analysis

Client:		Date Collected:	
Project:	LB92278	Date Received:	
Client Sample ID:	LOWPB105199	SDG No.:	LB92278
Lab Sample ID:	LOWPB105199	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	0.0097		1	0.003		0.005	mg/L		12/20/2017	9012B



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Report of Analysis

Client:		Date Collected:	
Project:	LB92278	Date Received:	
Client Sample ID:	LOWPB105199	SDG No.:	LB92278
Lab Sample ID:	LOWPB105199	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: LB92278

SDG No.: LB92278

Contract: _____ Lab Code: CHEM

Case No.: LB92278

SAS No.: LB92278

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		12/20/2017	12:33	LB92278
CCV2	Cyanide	0.25	0.25	100	0	90 - 110		12/20/2017	12:41	LB92278
CCV3	Cyanide	0.25	0.25	100	0	90 - 110		12/20/2017	12:45	LB92278



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB92278 **SDG No.:** LB92278
Contract: **Lab Code:** CHEM **Case No.:** LB92278 **SAS No.:** LB92278

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Cyanide	0.00041	+/-0.005	U		0.005		12/20/2017	12:33	LB92278

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Cyanide	0.00046	+/-0.005	U		0.005		12/20/2017	12:33	LB92278
CCB2	Cyanide	0.00067	+/-0.005	U		0.005		12/20/2017	12:41	LB92278
CCB3	Cyanide	0.00055	+/-0.005	U		0.005		12/20/2017	12:45	LB92278



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB92278

SDG No.: LB92278

Contract: Lab Code: CHEM

Case No.: LB92278

SAS No.: LB92278

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: LB92278

SDG No.: LB92278

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
PB105199BL		SOLID		Batch Number:		PB105199		Prep Date:	12/20/2017	
	Cyanide	0.016	<0.25	U		0.25		12/20/2017	12:33	LB92278



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB92278 level: low sdg no.: LB92278
contract: lab code: CHEM case no.: LB92278 sas no.: LB92278
matrix: Solid sample id: I6681-01 client id: PL-01-121917-AMS
Percent Solids for Sample: 88.4 Spiked ID: I6681-01MS Percent Solids for Spike Sample: 88.4

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	1.9		0.057	J	2.2	84		



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB92278 level: low sdg no.: LB92278
contract: lab code: CHEM case no.: LB92278 sas no.: LB92278
matrix: Solid sample id: I6681-01 client id: PL-01-121917-AMSD
Percent Solids for Sample: 88.4 Spiked ID: I6681-01MSD Percent Solids for Spike Sample: 88.4

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	1.9		0.057	J	2.2	84		

GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB92278 **Level:** LOW **SDG No.:** LB92278
Contract: **Lab Code:** CHEM **Case No.:** LB92278 **SAS No.:** LB92278
Matrix: Solid **Sample ID:** I6681-01 **Client ID:** PL-01-121917-ADUP
Percent Solids for Sample: 88.4 **Duplicate ID** I6681-01DUP **Percent Solids for Spike Sample:** 88.4

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	0.057	J	0.057	J	0		

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DUPLICATE SAMPLE SUMMARY

Client: LB92278 **Level:** LOW **SDG No.:** LB92278
Contract: **Lab Code:** CHEM **Case No.:** LB92278 **SAS No.:** LB92278
Matrix: Solid **Sample ID:** I6681-01MS **Client ID:** PL-01-121917-AMSD
Percent Solids for Sample: 88.4 **Duplicate ID** I6681-01MSD **Percent Solids for Spike Sample:** 88.4

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	1.9		1.9		0		



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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB92278

SDG No.: LB92278

Contract:

Lab Code: CHEM

Case No.: LB92278

SAS No.: LB92278

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB105199BS Cyanide	mg/Kg	4.9	4.7		95.9	85 - 115	