

Daily Analysis Runlog For Sequence/QC Batch ID # LB96215

Review By		Review On				
SubDirectory		LB96215		Test : Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP65503,WP65504,WP65505,WP65506,WP65507,WP65508,WP65509				
ICV Standard		W1542				
CCV Standard		WP65510				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP62802				
Chk Standard		WP65512,WP64695,WP64696				

Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	06/22/18 09:03		OK
2	5.0PPBCN	5.0PPBCN	CAL2	06/22/18 09:03		OK
3	10PPBCN	10PPBCN	CAL3	06/22/18 09:03		OK
4	50PPBCN	50PPBCN	CAL4	06/22/18 09:03		OK
5	100PPBCN	100PPBCN	CAL5	06/22/18 09:03		OK
6	250PPBCN	250PPBCN	CAL6	06/22/18 09:03		OK
7	500PPBCN	500PPBCN	CAL7	06/22/18 09:03		OK
8	ICV1	ICV1	ICV	06/22/18 11:15		OK
9	ICB1	ICB1	ICB	06/22/18 11:15		OK
10	CCV1	CCV1	CCV	06/22/18 11:16		OK
11	CCB1	CCB1	CCB	06/22/18 11:16		OK
12	PB110500BL	PB110500BL	MB	06/22/18 11:16		OK
13	PB110500BS	PB110500BS	LCS	06/22/18 11:16		OK
14	HIGHPB110500	HIGHPB110500	SAM	06/22/18 11:16		OK
15	J3252-03	TR-05-062118	SAM	06/22/18 11:16		OK
16	J3252-03DUP	TR-05-062118DUP	DUP	06/22/18 11:16		OK
17	J3252-03MS	TR-05-062118MS	MS	06/22/18 11:16		OK
18	J3252-03MSD	TR-05-062118MSD	MSD	06/22/18 11:23		OK
19	J3638-01	P-1	SAM	06/22/18 11:23		OK
20	J3638-02	P-2	SAM	06/22/18 11:23		OK
21	CCV2	CCV2	CCV	06/22/18 11:23		OK

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

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ICV Standard		W1542				
CCV Standard		WP65510				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP62802				
Chk Standard		WP65512,WP64695,WP64696				

22	CCB2	CCB2	CCB	06/22/18 11:23		OK
23	J3638-03	P-3	SAM	06/22/18 11:23		OK
24	J3642-01	TEST-PIT-1	SAM	06/22/18 11:23		OK
25	J3642-05	TEST-PIT-2	SAM	06/22/18 11:23		OK
26	CCV3	CCV3	CCV	06/22/18 11:23		OK
27	CCB3	CCB3	CCB	06/22/18 11:23		OK
28	LOWPB110500	LOWPB110500	SAM	06/22/18 12:04		OK
29	CCV4	CCV4	CCV	06/22/18 12:04		OK
30	CCB4	CCB4	CCB	06/22/18 12:04		OK



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Report of Analysis

Client:		Date Collected:	
Project:	LB96215	Date Received:	
Client Sample ID:	HIGHPB110500	SDG No.:	LB96215
Lab Sample ID:	HIGHPB110500	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	0.49		1	0.003		0.005	mg/L		06/22/2018	9012B



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Report of Analysis

Client:		Date Collected:	6/21/2018 12:00:00 AM
Project:	LB96215	Date Received:	6/21/2018 12:00:00 AM
Client Sample ID:	TR-05-062118	SDG No.:	LB96215
Lab Sample ID:	J3252-03	Matrix:	Solid
Level (low/med):	low	% Solid:	94.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.099	J	1	0.034		0.25	mg/Kg	06/22/2018	06/22/2018	9012B



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Report of Analysis

Client:		Date Collected:	6/20/2018 12:00:00 AM
Project:	LB96215	Date Received:	6/21/2018 12:00:00 AM
Client Sample ID:	P-1	SDG No.:	LB96215
Lab Sample ID:	J3638-01	Matrix:	Solid
Level (low/med):	low	% Solid:	92.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.11	J	1	0.034		0.26	mg/Kg	06/22/2018	06/22/2018	9012B



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Report of Analysis

Client:		Date Collected:	6/20/2018 12:00:00 AM
Project:	LB96215	Date Received:	6/21/2018 12:00:00 AM
Client Sample ID:	P-2	SDG No.:	LB96215
Lab Sample ID:	J3638-02	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.
57-12-5	Cyanide	0.07	J	1	0.033		0.25	mg/Kg	06/22/2018	06/22/2018	9012B



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Report of Analysis

Client:		Date Collected:	6/20/2018 12:00:00 AM
Project:	LB96215	Date Received:	6/21/2018 12:00:00 AM
Client Sample ID:	P-3	SDG No.:	LB96215
Lab Sample ID:	J3638-03	Matrix:	Solid
Level (low/med):	low	% Solid:	92.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.12	J	1	0.034		0.26	mg/Kg	06/22/2018	06/22/2018	9012B



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Report of Analysis

Client:		Date Collected:	6/21/2018 12:00:00 AM
Project:	LB96215	Date Received:	6/21/2018 12:00:00 AM
Client Sample ID:	TEST-PIT-1	SDG No.:	LB96215
Lab Sample ID:	J3642-01	Matrix:	Solid
Level (low/med):	low	% Solid:	84.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.18	J	1	0.038		0.28	mg/Kg	06/22/2018	06/22/2018	9012B



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Report of Analysis

Client:		Date Collected:	6/21/2018 12:00:00 AM
Project:	LB96215	Date Received:	6/21/2018 12:00:00 AM
Client Sample ID:	TEST-PIT-2	SDG No.:	LB96215
Lab Sample ID:	J3642-05	Matrix:	Solid
Level (low/med):	low	% Solid:	83

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.53		1	0.039		0.29	mg/Kg	06/22/2018	06/22/2018	9012B



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Report of Analysis

Client:		Date Collected:	
Project:	LB96215	Date Received:	
Client Sample ID:	LOWPB110500	SDG No.:	LB96215
Lab Sample ID:	LOWPB110500	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	0.011		1	0.003		0.005	mg/L		06/22/2018	9012B



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Report of Analysis

Client:		Date Collected:	
Project:	LB96215	Date Received:	
Client Sample ID:	LOWPB110500	SDG No.:	LB96215
Lab Sample ID:	LOWPB110500	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: LB96215

SDG No.: LB96215

Contract: _____

Lab Code: CHEM

Case No.: LB96215

SAS No.: LB96215

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
ICV1	Cyanide	0.097	0.099	98		85 - 115		06/22/2018	11:15	LB96215



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB96215

SDG No.: LB96215

Contract: _____ Lab Code: CHEM

Case No.: LB96215

SAS No.: LB96215

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	Cyanide	0.24	0.25	96		90 - 110		06/22/2018	11:16	LB96215
CCV2	Cyanide	0.25	0.25	100		90 - 110		06/22/2018	11:23	LB96215
CCV3	Cyanide	0.25	0.25	100		90 - 110		06/22/2018	11:23	LB96215
CCV4	Cyanide	0.26	0.25	104		90 - 110		06/22/2018	12:04	LB96215



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB96215

SDG No.: LB96215

Contract:

Lab Code: CHEM

Case No.: LB96215

SAS No.: LB96215

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Cyanide	0.00096	+/-0.005	U		0.005		06/22/2018	11:15	LB96215

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		06/22/2018	11:16	LB96215
CCB2	Cyanide	0.00019	+/-0.005	U		0.005		06/22/2018	11:23	LB96215
CCB3	Cyanide	0.0006	+/-0.005	U		0.005		06/22/2018	11:23	LB96215
CCB4	Cyanide	0.0008	+/-0.005	U		0.005		06/22/2018	12:04	LB96215



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB96215

SDG No.: LB96215

Contract: Lab Code: CHEM

Case No.: LB96215

SAS No.: LB96215

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: LB96215

SDG No.: LB96215

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
PB110500BL	Cyanide	SOLID 0.017	<0.25	Batch Number: U		PB110500 0.25		Prep Date: 06/22/2018	06/22/2018 11:16	LB96215



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB96215 level: low sdg no.: LB96215
contract: lab code: CHEM case no.: LB96215 sas no.: LB96215
matrix: Solid sample id: J3252-03 client id: TR-05-062118MS
Percent Solids for Sample: 94.6 Spiked ID: J3252-03MS Percent Solids for Spike Sample: 94.6

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	1.9		0.099	J	2.1	86		



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB96215 level: low sdg no.: LB96215
contract: lab code: CHEM case no.: LB96215 sas no.: LB96215
matrix: Solid sample id: J3252-03 client id: TR-05-062118MSD
Percent Solids for Sample: 94.6 Spiked ID: J3252-03MSD Percent Solids for Spike Sample: 94.6

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	1.8		0.099	J	2	85		

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- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB96215 Level: LOW SDG No.: LB96215
Contract: _____ Lab Code: CHEM Case No.: LB96215 SAS No.: LB96215
Matrix: Solid Sample ID: J3252-03 Client ID: TR-05-062118DUP
Percent Solids for Sample: 94.6 Duplicate ID J3252-03DUP Percent Solids for Spike Sample: 94.6

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	0.099	J	0.035	J	96	*	

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- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB96215 **Level:** LOW **SDG No.:** LB96215
Contract: **Lab Code:** CHEM **Case No.:** LB96215 **SAS No.:** LB96215
Matrix: Solid **Sample ID:** J3252-03MS **Client ID:** TR-05-062118MSD
Percent Solids for Sample: 94.6 **Duplicate ID** J3252-03MSD **Percent Solids for Spike Sample:** 94.6

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	1.9		1.8		5		

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB110500BS							
Cyanide	mg/Kg	5	5		100	85 - 115	