

Daily Analysis Runlog For Sequence/QC Batch ID # LB96053

Review By		Review On				
SubDirectory		LB96053		Test : Cyanide		

STD. NAME	STD REF.#
ICAL Standard	WP65326,WP65327,WP65328,WP65329,WP65330,WP65331,WP65332
ICV Standard	W1542
CCV Standard	WP65333
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP62802
Chk Standard	WP65335,WP64695,WP64696

Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	06/15/18 12:02		OK
2	5.0PPBCN	5.0PPBCN	CAL2	06/15/18 12:03		OK
3	10PPBCN	10PPBCN	CAL3	06/15/18 12:03		OK
4	50PPBCN	50PPBCN	CAL4	06/15/18 12:03		OK
5	100PPBCN	100PPBCN	CAL5	06/15/18 12:03		OK
6	250PPBCN	250PPBCN	CAL6	06/15/18 12:03		OK
7	500PPBCN	500PPBCN	CAL7	06/15/18 12:03		OK
8	ICV1	ICV1	ICV	06/15/18 16:00		OK
9	ICB1	ICB1	ICB	06/15/18 16:00		OK
10	CCV1	CCV1	CCV	06/15/18 16:00		OK
11	CCB1	CCB1	CCB	06/15/18 16:00		OK
12	PB110295BL	PB110295BL	MB	06/15/18 16:00		OK
13	PB110295BS	PB110295BS	LCS	06/15/18 16:00		OK
14	LOWPB110295	LOWPB110295	SAM	06/15/18 16:00		OK
15	HIGHPB110295	HIGHPB110295	SAM	06/15/18 16:00		OK
16	J3504-01	SB-44COMP	SAM	06/15/18 16:00		OK
17	J3504-01DUP	SB-44COMPDUP	DUP	06/15/18 16:00		OK
18	J3504-01MS	SB-44COMPMS	MS	06/15/18 16:00		OK
19	J3504-01MSD	SB-44COMPMSD	MSD	06/15/18 16:07		OK
20	J3504-02	SB-46COMP	SAM	06/15/18 16:07		OK
21	J3504-03	SB-51COMP	SAM	06/15/18 16:07		OK

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SubDirectory		Test :				
LB96053		Cyanide				
STD. NAME		STD REF.#				
ICAL Standard		WP65326,WP65327,WP65328,WP65329,WP65330,WP65331,WP65332				
ICV Standard		W1542				
CCV Standard		WP65333				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP62802				
Chk Standard		WP65335,WP64695,WP64696				
22	CCV2	CCV2	CCV	06/15/18 16:07		OK
23	CCB2	CCB2	CCB	06/15/18 16:07		OK
24	J3505-01	SB-56-COMP	SAM	06/15/18 16:07		OK
25	J3505-02	SB-55-COMP	SAM	06/15/18 16:07		OK
26	CCV3	CCV3	CCV	06/15/18 16:07		OK
27	CCB3	CCB3	CCB	06/15/18 16:07		OK



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Report of Analysis

Client:		Date Collected:	
Project:	LB96053	Date Received:	
Client Sample ID:	HIGHPB110295	SDG No.:	LB96053
Lab Sample ID:	HIGHPB110295	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		06/15/2018	9012B



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Report of Analysis

Client:		Date Collected:	6/11/2018 12:00:00 AM
Project:	LB96053	Date Received:	6/11/2018 12:00:00 AM
Client Sample ID:	SB-44COMP	SDG No.:	LB96053
Lab Sample ID:	J3504-01	Matrix:	Solid
Level (low/med):	low	% Solid:	76.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.015	U	1	0.042		0.32	mg/Kg	06/15/2018	06/15/2018	9012B



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Report of Analysis

Client:		Date Collected:	6/11/2018 12:00:00 AM
Project:	LB96053	Date Received:	6/11/2018 12:00:00 AM
Client Sample ID:	SB-46COMP	SDG No.:	LB96053
Lab Sample ID:	J3504-02	Matrix:	Solid
Level (low/med):	low	% Solid:	83.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.015	U	1	0.039		0.3	mg/Kg	06/15/2018	06/15/2018	9012B



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Report of Analysis

Client:		Date Collected:	6/11/2018 12:00:00 AM
Project:	LB96053	Date Received:	6/11/2018 12:00:00 AM
Client Sample ID:	SB-51COMP	SDG No.:	LB96053
Lab Sample ID:	J3504-03	Matrix:	Solid
Level (low/med):	low	% Solid:	84.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.032	U	1	0.038		0.29	mg/Kg	06/15/2018	06/15/2018	9012B

Report of Analysis

Client:		Date Collected:	6/13/2018 12:00:00 AM
Project:	LB96053	Date Received:	6/13/2018 12:00:00 AM
Client Sample ID:	SB-56-COMP	SDG No.:	LB96053
Lab Sample ID:	J3505-01	Matrix:	Solid
Level (low/med):	low	% Solid:	84.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.0071	U	1	0.037		0.28	mg/Kg	06/15/2018	06/15/2018	9012B

Report of Analysis

Client:		Date Collected:	6/13/2018 12:00:00 AM
Project:	LB96053	Date Received:	6/13/2018 12:00:00 AM
Client Sample ID:	SB-55-COMP	SDG No.:	LB96053
Lab Sample ID:	J3505-02	Matrix:	Solid
Level (low/med):	low	% Solid:	82.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.0021	U	1	0.039		0.29	mg/Kg	06/15/2018	06/15/2018	9012B



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Report of Analysis

Client:		Date Collected:	
Project:	LB96053	Date Received:	
Client Sample ID:	LOWPB110295	SDG No.:	LB96053
Lab Sample ID:	LOWPB110295	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	0.0087		1	0.003		0.005	mg/L		06/15/2018	9012B



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Report of Analysis

Client:		Date Collected:	
Project:	LB96053	Date Received:	
Client Sample ID:	LOWPB110295	SDG No.:	LB96053
Lab Sample ID:	LOWPB110295	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: LB96053

SDG No.: LB96053

Contract: _____

Lab Code: CHEM

Case No.: LB96053

SAS No.: LB96053

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	0.099	0.099	100		85 - 115		06/15/2018	16:00	lb96053



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB96053

SDG No.: LB96053

Contract: _____ Lab Code: CHEM

Case No.: LB96053

SAS No.: LB96053

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	0.25	0.25	100		90 - 110		06/15/2018	16:00	lb96053
CCV2	Cyanide	0.25	0.25	100		90 - 110		06/15/2018	16:07	lb96053
CCV3	Cyanide	0.26	0.25	104		90 - 110		06/15/2018	16:07	lb96053



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB96053 **SDG No.:** LB96053
Contract: **Lab Code:** CHEM **Case No.:** LB96053 **SAS No.:** LB96053

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Cyanide	-0.0011	+/-0.005	U		0.005		06/15/2018	16:00	lb96053



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB96053

SDG No.: LB96053

Contract:

Lab Code: CHEM

Case No.: LB96053

SAS No.: LB96053

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Cyanide	-0.00098	+/-0.005	U		0.005		06/15/2018	16:00	lb96053
CCB2	Cyanide	-0.00073	+/-0.005	U		0.005		06/15/2018	16:07	lb96053
CCB3	Cyanide	-0.00059	+/-0.005	U		0.005		06/15/2018	16:07	lb96053



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB96053

SDG No.: LB96053

Contract: Lab Code: CHEM

Case No.: LB96053

SAS No.: LB96053

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: LB96053

SDG No.: LB96053

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
PB110295BL		SOLID		Batch Number:		PB110295		Prep Date:	06/15/2018	
	Cyanide	-0.053	<0.24	U		0.24		06/15/2018	16:00	lb96053

GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB96053 level: low sdg no.: LB96053
contract: lab code: CHEM case no.: LB96053 sas no.: LB96053
matrix: Solid sample id: J3504-01 client id: SB-44COMPMS
Percent Solids for Sample: 76.8 Spiked ID: J3504-01MS Percent Solids for Spike Sample: 76.8

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	2.2		0.042	U	2.5	88		

GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB96053 level: low sdg no.: LB96053
contract: lab code: CHEM case no.: LB96053 sas no.: LB96053
matrix: Solid sample id: J3504-01 client id: SB-44COMPMSD
Percent Solids for Sample: 76.8 Spiked ID: J3504-01MSD Percent Solids for Spike Sample: 76.8

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	2.3		0.042	U	2.6	88.5		

GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB96053 Level: LOW SDG No.: LB96053
Contract: _____ Lab Code: CHEM Case No.: LB96053 SAS No.: LB96053
Matrix: Solid Sample ID: J3504-01 Client ID: SB-44COMPDUP
Percent Solids for Sample: 76.8 Duplicate ID J3504-01DUP Percent Solids for Spike Sample: 76.8

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	0.042	U	-0.031	U			

GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB96053 **Level:** LOW **SDG No.:** LB96053
Contract: **Lab Code:** CHEM **Case No.:** LB96053 **SAS No.:** LB96053
Matrix: Solid **Sample ID:** J3504-01MS **Client ID:** SB-44COMPMSD
Percent Solids for Sample: 76.8 **Duplicate ID** J3504-01MSD **Percent Solids for Spike Sample:** 76.8

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	2.2		2.3		4		

