

Daily Analysis Runlog For Sequence/QC Batch ID # LB95527

Review By		Review On				
SubDirectory		LB95527		Test : Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP64659,WP64660,WP64661,WP64662,WP64663,WP64664,WP64665				
ICV Standard		W1542				
CCV Standard		WP64666				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP62802				
Chk Standard		WP64668,WP59958,WP60878				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	05/21/18 14:46		OK
2	5.0PPBCN	5.0PPBCN	CAL2	05/21/18 14:46		OK
3	10PPBCN	10PPBCN	CAL3	05/21/18 14:46		OK
4	50PPBCN	50PPBCN	CAL4	05/21/18 14:46		OK
5	100PPBCN	100PPBCN	CAL5	05/21/18 14:46		OK
6	250PPBCN	250PPBCN	CAL6	05/21/18 14:46		OK
7	500PPBCN	500PPBCN	CAL7	05/21/18 14:46		OK
8	ICV1	ICV1	ICV	05/21/18 16:12		OK
9	ICB1	ICB1	ICB	05/21/18 16:12		OK
10	CCV1	CCV1	CCV	05/21/18 16:12		OK
11	CCB1	CCB1	CCB	05/21/18 16:12		OK
12	PB109446BL	PB109446BL	MB	05/21/18 16:12		OK
13	PB109446BS	PB109446BS	LCS	05/21/18 16:12		OK
14	LOWPB109446	LOWPB109446	SAM	05/21/18 16:12		OK
15	HIGHPB109446	HIGHPB109446	SAM	05/21/18 16:12		OK
16	J3000-01	FK-BPM-01-G3-H3-C	SAM	05/21/18 16:12		OK
17	J3000-01DUP	FK-BPM-01-G3-H3-C	DUP	05/21/18 16:12		OK
18	J3000-01MS	FK-BPM-01-G3-H3-C	MS	05/21/18 16:12		OK
19	J3000-01MSD	FK-BPM-01-G3-H3-C	MSD	05/21/18 16:19		OK
20	J3001-01	TP-1-STERN-AVE	SAM	05/21/18 16:19		OK
21	J3001-05	TP-2-STERN-AVE	SAM	05/21/18 16:19		OK

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CCV Standard		WP64666				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP62802				
Chk Standard		WP64668,WP59958,WP60878				
22	CCV2	CCV2	CCV	05/21/18 16:19		OK
23	CCB2	CCB2	CCB	05/21/18 16:19		OK
24	J3001-09	TP-3-STERN-AVE	SAM	05/21/18 16:19		OK
25	J3001-13	TP-4-STERN-AVE	SAM	05/21/18 16:19		OK
26	J3001-17	TP-5-STERN-AVE	SAM	05/21/18 16:19		OK
27	J3001-21	TP-6-STERN-AVE	SAM	05/21/18 16:19		OK
28	J3004-01	TP-10-WC-1	SAM	05/21/18 16:19		OK
29	J3004-03	TP-10-WC-2	SAM	05/21/18 16:19		OK
30	J3004-05	TP-10-WC-3	SAM	05/21/18 16:27		OK
31	PB109439BL	PB109439BL	MB	05/21/18 16:27		OK
32	PB109439BS	PB109439BS	LCS	05/21/18 16:27		OK
33	J2971-01	TP6-WC-1	SAM	05/21/18 16:27		OK
34	CCV3	CCV3	CCV	05/21/18 16:27		OK
35	CCB3	CCB3	CCB	05/21/18 16:27		OK
36	J2971-01DUP	TP6-WC-1DUP	DUP	05/21/18 16:27		OK
37	J2971-01MS	TP6-WC-1MS	MS	05/21/18 16:27		OK
38	J2971-01MSD	TP6-WC-1MSD	MSD	05/21/18 16:27		OK
39	J2971-03	TP6-WC-2	SAM	05/21/18 16:27		OK
40	J2971-05	TP6-WC-3	SAM	05/21/18 16:27		OK
41	J2971-07	TP6-WC-4	SAM	05/21/18 16:34		OK
42	J2971-09	TP6-WC-5	SAM	05/21/18 16:34		OK
43	J3005-01	TPA-S	SAM	05/21/18 16:34		OK

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SubDirectory		Test : Cyanide				
LB95527						
STD. NAME		STD REF.#				
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ICV Standard		W1542				
CCV Standard		WP64666				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP62802				
Chk Standard		WP64668,WP59958,WP60878				
44	J3005-03	TPA-D	SAM	05/21/18 16:34		OK
45	J3006-01	BYR-1-E(0-1)	SAM	05/21/18 16:34		OK
46	CCV4	CCV4	CCV	05/21/18 16:34		OK
47	CCB4	CCB4	CCB	05/21/18 16:34		OK
48	J3006-02	BYR-1-E(4-6)	SAM	05/21/18 16:34		OK
49	J3006-03	BYR-1-E(7-8)	SAM	05/21/18 16:34		OK
50	CCV5	CCV5	CCV	05/21/18 16:34		OK
51	CCB5	CCB5	CCB	05/21/18 16:34		OK



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Report of Analysis

Client:		Date Collected:	
Project:	LB95527	Date Received:	
Client Sample ID:	HIGHPB109446	SDG No.:	LB95527
Lab Sample ID:	HIGHPB109446	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		05/21/2018	9012B



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Report of Analysis

Client:		Date Collected:	5/16/2018 12:00:00 AM
Project:	LB95527	Date Received:	5/17/2018 12:00:00 AM
Client Sample ID:	TP6-WC-1	SDG No.:	LB95527
Lab Sample ID:	J2971-01	Matrix:	Solid
Level (low/med):	low	% Solid:	85

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.056	J	1	0.037		0.28	mg/Kg	05/18/2018	05/21/2018	9012B



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Report of Analysis

Client:		Date Collected:	5/16/2018 12:00:00 AM
Project:	LB95527	Date Received:	5/17/2018 12:00:00 AM
Client Sample ID:	TP6-WC-2	SDG No.:	LB95527
Lab Sample ID:	J2971-03	Matrix:	Solid
Level (low/med):	low	% Solid:	82.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.068	J	1	0.038		0.29	mg/Kg	05/18/2018	05/21/2018	9012B

Report of Analysis

Client:		Date Collected:	5/16/2018 12:00:00 AM
Project:	LB95527	Date Received:	5/17/2018 12:00:00 AM
Client Sample ID:	TP6-WC-3	SDG No.:	LB95527
Lab Sample ID:	J2971-05	Matrix:	Solid
Level (low/med):	low	% Solid:	81.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.078	J	1	0.039		0.29	mg/Kg	05/18/2018	05/21/2018	9012B



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Report of Analysis

Client:		Date Collected:	5/16/2018 12:00:00 AM
Project:	LB95527	Date Received:	5/17/2018 12:00:00 AM
Client Sample ID:	TP6-WC-4	SDG No.:	LB95527
Lab Sample ID:	J2971-07	Matrix:	Solid
Level (low/med):	low	% Solid:	83.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.056	J	1	0.037		0.28	mg/Kg	05/18/2018	05/21/2018	9012B



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Report of Analysis

Client:		Date Collected:	5/16/2018 12:00:00 AM
Project:	LB95527	Date Received:	5/17/2018 12:00:00 AM
Client Sample ID:	TP6-WC-5	SDG No.:	LB95527
Lab Sample ID:	J2971-09	Matrix:	Solid
Level (low/med):	low	% Solid:	81.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.071	J	1	0.039		0.3	mg/Kg	05/18/2018	05/21/2018	9012B



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Report of Analysis

Client:		Date Collected:	5/16/2018 12:00:00 AM
Project:	LB95527	Date Received:	5/17/2018 12:00:00 AM
Client Sample ID:	FK-BPM-01-G3-H3-G3A-H3A	SDG No.:	LB95527
Lab Sample ID:	J3000-01	Matrix:	Solid
Level (low/med):	low	% Solid:	89.8

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		0.27	mg/Kg	05/18/2018	05/21/2018	9012B



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Report of Analysis

Client:		Date Collected:	5/17/2018 12:00:00 AM
Project:	LB95527	Date Received:	5/17/2018 12:00:00 AM
Client Sample ID:	TP-1-STERN-AVE	SDG No.:	LB95527
Lab Sample ID:	J3001-01	Matrix:	Solid
Level (low/med):	low	% Solid:	69.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.18	J	1	0.046		0.35	mg/Kg	05/18/2018	05/21/2018	9012B



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Report of Analysis

Client:		Date Collected:	5/17/2018 12:00:00 AM
Project:	LB95527	Date Received:	5/17/2018 12:00:00 AM
Client Sample ID:	TP-2-STERN-AVE	SDG No.:	LB95527
Lab Sample ID:	J3001-05	Matrix:	Solid
Level (low/med):	low	% Solid:	73.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.12	J	1	0.043		0.33	mg/Kg	05/18/2018	05/21/2018	9012B



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Report of Analysis

Client:		Date Collected:	5/17/2018 12:00:00 AM
Project:	LB95527	Date Received:	5/17/2018 12:00:00 AM
Client Sample ID:	TP-3-STERN-AVE	SDG No.:	LB95527
Lab Sample ID:	J3001-09	Matrix:	Solid
Level (low/med):	low	% Solid:	74.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.21	J	1	0.042		0.32	mg/Kg	05/18/2018	05/21/2018	9012B



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Report of Analysis

Client:		Date Collected:	5/17/2018 12:00:00 AM
Project:	LB95527	Date Received:	5/17/2018 12:00:00 AM
Client Sample ID:	TP-4-STERN-AVE	SDG No.:	LB95527
Lab Sample ID:	J3001-13	Matrix:	Solid
Level (low/med):	low	% Solid:	73.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.13	J	1	0.043		0.33	mg/Kg	05/18/2018	05/21/2018	9012B



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Report of Analysis

Client:		Date Collected:	5/17/2018 12:00:00 AM
Project:	LB95527	Date Received:	5/17/2018 12:00:00 AM
Client Sample ID:	TP-5-STERN-AVE	SDG No.:	LB95527
Lab Sample ID:	J3001-17	Matrix:	Solid
Level (low/med):	low	% Solid:	67.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.56		1	0.047		0.36	mg/Kg	05/18/2018	05/21/2018	9012B



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Report of Analysis

Client:		Date Collected:	5/17/2018 12:00:00 AM
Project:	LB95527	Date Received:	5/17/2018 12:00:00 AM
Client Sample ID:	TP-6-STERN-AVE	SDG No.:	LB95527
Lab Sample ID:	J3001-21	Matrix:	Solid
Level (low/med):	low	% Solid:	74.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.32	J	1	0.043		0.33	mg/Kg	05/18/2018	05/21/2018	9012B



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Report of Analysis

Client:		Date Collected:	5/17/2018 12:00:00 AM
Project:	LB95527	Date Received:	5/17/2018 12:00:00 AM
Client Sample ID:	TP-10-WC-1	SDG No.:	LB95527
Lab Sample ID:	J3004-01	Matrix:	Solid
Level (low/med):	low	% Solid:	83.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.054	J	1	0.039		0.3	mg/Kg	05/18/2018	05/21/2018	9012B



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Report of Analysis

Client:		Date Collected:	5/17/2018 12:00:00 AM
Project:	LB95527	Date Received:	5/17/2018 12:00:00 AM
Client Sample ID:	TP-10-WC-2	SDG No.:	LB95527
Lab Sample ID:	J3004-03	Matrix:	Solid
Level (low/med):	low	% Solid:	76.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.093	J	1	0.041		0.31	mg/Kg	05/18/2018	05/21/2018	9012B



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Report of Analysis

Client:		Date Collected:	5/17/2018 12:00:00 AM
Project:	LB95527	Date Received:	5/17/2018 12:00:00 AM
Client Sample ID:	TP-10-WC-3	SDG No.:	LB95527
Lab Sample ID:	J3004-05	Matrix:	Solid
Level (low/med):	low	% Solid:	79.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.045	J	1	0.039		0.29	mg/Kg	05/18/2018	05/21/2018	9012B



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Report of Analysis

Client:		Date Collected:	5/17/2018 12:00:00 AM
Project:	LB95527	Date Received:	5/17/2018 12:00:00 AM
Client Sample ID:	TPA-S	SDG No.:	LB95527
Lab Sample ID:	J3005-01	Matrix:	Solid
Level (low/med):	low	% Solid:	91.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.065	J	1	0.035		0.27	mg/Kg	05/18/2018	05/21/2018	9012B
57-12-5	Cyanide	0.065	J	1	0.035		0.27	mg/Kg	05/18/2018	05/21/2018	9012B



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Report of Analysis

Client:		Date Collected:	5/17/2018 12:00:00 AM
Project:	LB95527	Date Received:	5/17/2018 12:00:00 AM
Client Sample ID:	TPA-D	SDG No.:	LB95527
Lab Sample ID:	J3005-03	Matrix:	Solid
Level (low/med):	low	% Solid:	84.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	-0.018	U	1	0.038		0.29	mg/Kg	05/18/2018	05/21/2018	9012B
57-12-5	Cyanide	-0.018	U	1	0.038		0.29	mg/Kg	05/18/2018	05/21/2018	9012B



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Report of Analysis

Client:		Date Collected:	5/16/2018 12:00:00 AM
Project:	LB95527	Date Received:	5/17/2018 12:00:00 AM
Client Sample ID:	BYR-1-E(0-1)	SDG No.:	LB95527
Lab Sample ID:	J3006-01	Matrix:	Solid
Level (low/med):	low	% Solid:	69.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.18	J	1	0.047		0.36	mg/Kg	05/18/2018	05/21/2018	9012B



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Report of Analysis

Client:		Date Collected:	5/16/2018 12:00:00 AM
Project:	LB95527	Date Received:	5/17/2018 12:00:00 AM
Client Sample ID:	BYR-1-E(4-6)	SDG No.:	LB95527
Lab Sample ID:	J3006-02	Matrix:	Solid
Level (low/med):	low	% Solid:	92

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.052	J	1	0.034		0.26	mg/Kg	05/18/2018	05/21/2018	9012B



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Report of Analysis

Client:		Date Collected:	5/16/2018 12:00:00 AM
Project:	LB95527	Date Received:	5/17/2018 12:00:00 AM
Client Sample ID:	BYR-1-E(7-8)	SDG No.:	LB95527
Lab Sample ID:	J3006-03	Matrix:	Solid
Level (low/med):	low	% Solid:	75.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.067	J	1	0.04		0.31	mg/Kg	05/18/2018	05/21/2018	9012B



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Report of Analysis

Client:		Date Collected:	
Project:	LB95527	Date Received:	
Client Sample ID:	LOWPB109446	SDG No.:	LB95527
Lab Sample ID:	LOWPB109446	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	0.01		1	0.003		0.005	mg/L		05/21/2018	9012B



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Report of Analysis

Client:		Date Collected:	
Project:	LB95527	Date Received:	
Client Sample ID:	LOWPB109446	SDG No.:	LB95527
Lab Sample ID:	LOWPB109446	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: LB95527

SDG No.: LB95527

Contract: _____ Lab Code: CHEM

Case No.: LB95527

SAS No.: LB95527

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	0.098	0.099	99		85 - 115		05/21/2018	16:12	LB95527



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB95527

SDG No.: LB95527

Contract: _____ Lab Code: CHEM

Case No.: LB95527

SAS No.: LB95527

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		05/21/2018	16:12	LB95527
CCV2	Cyanide	0.24	0.25	96		90 - 110		05/21/2018	16:19	LB95527
CCV3	Cyanide	0.25	0.25	100		90 - 110		05/21/2018	16:27	LB95527
CCV4	Cyanide	0.24	0.25	96		90 - 110		05/21/2018	16:34	LB95527
CCV5	Cyanide	0.24	0.25	96		90 - 110		05/21/2018	16:34	LB95527



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB95527

SDG No.: LB95527

Contract:

Lab Code: CHEM

Case No.: LB95527

SAS No.: LB95527

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Cyanide	0.0001	+/-0.005	U		0.005		05/21/2018	16:12	LB95527



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB95527

SDG No.: LB95527

Contract:

Lab Code: CHEM

Case No.: LB95527

SAS No.: LB95527

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Cyanide	0.00099	+/-0.005	U		0.005		05/21/2018	16:12	LB95527
CCB2	Cyanide	0.00027	+/-0.005	U		0.005		05/21/2018	16:19	LB95527
CCB3	Cyanide	0.00085	+/-0.005	U		0.005		05/21/2018	16:27	LB95527
CCB4	Cyanide	0.00077	+/-0.005	U		0.005		05/21/2018	16:34	LB95527
CCB5	Cyanide	0.00064	+/-0.005	U		0.005		05/21/2018	16:34	LB95527



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB95527

SDG No.: LB95527

Contract: Lab Code: CHEM

Case No.: LB95527

SAS No.: LB95527

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: LB95527

SDG No.: LB95527

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
PB109439BL	Cyanide	SOLID		Batch Number:		PB109439		Prep Date:	05/18/2018	
		0.031	<0.25	U		0.25		05/21/2018	16:27	LB95527
Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	LOD mg/Kg	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB109446BL	Cyanide	SOLID		Batch Number:		PB109446		Prep Date:	05/18/2018	
		0.013	<0.25	U		0.25		05/21/2018	16:12	LB95527



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB95527 level: low sdg no.: LB95527
contract: lab code: CHEM case no.: LB95527 sas no.: LB95527
matrix: Solid sample id: J2971-01 client id: TP6-WC-1MS
Percent Solids for Sample: 85 Spiked ID: J2971-01MS Percent Solids for Spike Sample: 85

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	1.7		0.056	J	2.3	71	*	



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB95527 level: low sdg no.: LB95527
contract: lab code: CHEM case no.: LB95527 sas no.: LB95527
matrix: Solid sample id: J2971-01 client id: TP6-WC-1MSD
Percent Solids for Sample: 85 Spiked ID: J2971-01MSD Percent Solids for Spike Sample: 85

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	1.6		0.056	J	2.3	67	*	



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB95527 level: low sdg no.: LB95527
contract: lab code: CHEM case no.: LB95527 sas no.: LB95527
matrix: Solid sample id: J3000-01 client id: FK-BPM-01-G3-H3-G3A-H3AMS
Percent Solids for Sample: 89.8 Spiked ID: J3000-01MS Percent Solids for Spike Sample: 89.8

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	2		0.18	J	2.2	83		



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB95527 level: low sdg no.: LB95527
contract: lab code: CHEM case no.: LB95527 sas no.: LB95527
matrix: Solid sample id: J3000-01 client id: FK-BPM-01-G3-H3-G3A-H3AMSD
Percent Solids for Sample: 89.8 Spiked ID: J3000-01MSD Percent Solids for Spike Sample: 89.8

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125		2	0.18	J	2.1	87		

GENCHEM**- 6 -****DUPLICATE SAMPLE SUMMARY**

Client: LB95527 **Level:** LOW **SDG No.:** LB95527
Contract: **Lab Code:** CHEM **Case No.:** LB95527 **SAS No.:** LB95527
Matrix: Solid **Sample ID:** J2971-01 **Client ID:** TP6-WC-1DUP
Percent Solids for Sample: 85 **Duplicate ID** J2971-01DUP **Percent Solids for Spike Sample:** 85

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	0.056	J	0.061	J	9		

GENCHEM

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB95527 **Level:** LOW **SDG No.:** LB95527
Contract: **Lab Code:** CHEM **Case No.:** LB95527 **SAS No.:** LB95527
Matrix: Solid **Sample ID:** J2971-01MS **Client ID:** TP6-WC-1MSD
Percent Solids for Sample: 85 **Duplicate ID** J2971-01MSD **Percent Solids for Spike Sample:** 85

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	1.7		1.6		6		

GENCHEM

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB95527 **Level:** LOW **SDG No.:** LB95527
Contract: **Lab Code:** CHEM **Case No.:** LB95527 **SAS No.:** LB95527
Matrix: Solid **Sample ID:** J3000-01 **Client ID:** FK-BPM-01-G3-H3-G3A-H3ADUP
Percent Solids for Sample: 89.8 **Duplicate ID** J3000-01DUP **Percent Solids for Spike Sample:** 89.8

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	0.18	J	0.044	J	121	*	

GENCHEM

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB95527 **Level:** LOW **SDG No.:** LB95527
Contract: **Lab Code:** CHEM **Case No.:** LB95527 **SAS No.:** LB95527
Matrix: Solid **Sample ID:** J3000-01MS **Client ID:** FK-BPM-01-G3-H3-G3A-H3AMSD
Percent Solids for Sample: 89.8 **Duplicate ID** J3000-01MSD **Percent Solids for Spike Sample:** 89.8

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	2		2		0		



GENCHEM

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: LB95527

SDG No.: LB95527

Contract:

Lab Code: CHEM

Case No.: LB95527

SAS No.: LB95527

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB109439BS Cyanide	mg/Kg	5	4.9		98	85 - 115	



GENCHEM

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: LB95527

SDG No.: LB95527

Contract:

Lab Code: CHEM

Case No.: LB95527

SAS No.: LB95527

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB109446BS Cyanide	mg/Kg	5	4.9		98	85 - 115	