

Daily Analysis Runlog For Sequence/QC Batch ID # LB93834

Review By		Review On				
SubDirectory		LB93834		Test : Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP62621,WP62622,WP62623,WP62624,WP62625,WP62626,WP62627				
ICV Standard		W1542				
CCV Standard		WP62628				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP58910				
Chk Standard		WP62630,WP59958,WP60878				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	03/12/18 11:03		OK
2	5.0PPBCN	5.0PPBCN	CAL2	03/12/18 11:03		OK
3	10PPBCN	10PPBCN	CAL3	03/12/18 11:03		OK
4	50PPBCN	50PPBCN	CAL4	03/12/18 11:03		OK
5	100PPBCN	100PPBCN	CAL5	03/12/18 11:03		OK
6	250PPBCN	250PPBCN	CAL6	03/12/18 11:03		OK
7	500PPBCN	500PPBCN	CAL7	03/12/18 11:03		OK
8	ICV1	ICV1	ICV	03/12/18 12:24		OK
9	ICB1	ICB1	ICB	03/12/18 12:24		OK
10	CCV1	CCV1	CCV	03/12/18 12:24		OK
11	CCB1	CCB1	CCB	03/12/18 12:24		OK
12	LOWPB107241	LOWPB107241	SAM	03/12/18 12:24		OK
13	HIGHPB107241	HIGHPB107241	SAM	03/12/18 12:24		OK
14	J1776-02	TP-1-3FT	SAM	03/12/18 12:24		OK
15	J1776-02DUP	TP-1-3FTDUP	DUP	03/12/18 12:24		OK
16	J1776-02MS	TP-1-3FTMS	MS	03/12/18 12:24		OK
17	J1776-02MSD	TP-1-3FTMSD	MSD	03/12/18 12:32		OK
18	J1776-08	TP-1-6FT	SAM	03/12/18 12:32		OK
19	J1776-14	TP-2-3FT	SAM	03/12/18 12:32		OK
20	CCV2	CCV2	CCV	03/12/18 12:32		OK
21	CCB2	CCB2	CCB	03/12/18 12:32		OK

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ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP58910				
Chk Standard		WP62630,WP59958,WP60878				
22	J1776-20	TP-2-6FT	SAM	03/12/18 12:32		OK
23	J1870-02	SB-10-08-12	SAM	03/12/18 12:32		OK
24	J1873-03	TP-8-COMP	SAM	03/12/18 12:32		OK
25	J1873-06	TP-9A-COMP	SAM	03/12/18 12:32		OK
26	J1873-09	TP-9B-COMP	SAM	03/12/18 12:32		OK
27	PB107241BL	PB107241BL	MB	03/12/18 13:08		OK
28	PB107241BS	PB107241BS	LCS	03/12/18 13:08		OK
29	CCV3	CCV3	CCV	03/12/18 13:08		OK
30	CCB3	CCB3	CCB	03/12/18 13:08		OK



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Report of Analysis

Client:		Date Collected:	
Project:	LB93834	Date Received:	
Client Sample ID:	HIGHPB107241	SDG No.:	LB93834
Lab Sample ID:	HIGHPB107241	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	0.5	OR	1	0.003		0.005	mg/L		03/12/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/9/2018 12:00:00 AM
Project:	LB93834	Date Received:	3/9/2018 12:00:00 AM
Client Sample ID:	TP-1-3FT	SDG No.:	LB93834
Lab Sample ID:	J1776-02	Matrix:	Solid
Level (low/med):	low	% Solid:	89.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.041	J	1	0.036		0.27	mg/Kg	03/12/2018	03/12/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/9/2018 12:00:00 AM
Project:	LB93834	Date Received:	3/9/2018 12:00:00 AM
Client Sample ID:	TP-1-6FT	SDG No.:	LB93834
Lab Sample ID:	J1776-08	Matrix:	Solid
Level (low/med):	low	% Solid:	90.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.018	U	1	0.036		0.27	mg/Kg	03/12/2018	03/12/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/9/2018 12:00:00 AM
Project:	LB93834	Date Received:	3/9/2018 12:00:00 AM
Client Sample ID:	TP-2-3FT	SDG No.:	LB93834
Lab Sample ID:	J1776-14	Matrix:	Solid
Level (low/med):	low	% Solid:	93.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.0027	U	1	0.035		0.26	mg/Kg	03/12/2018	03/12/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/9/2018 12:00:00 AM
Project:	LB93834	Date Received:	3/9/2018 12:00:00 AM
Client Sample ID:	TP-2-6FT	SDG No.:	LB93834
Lab Sample ID:	J1776-20	Matrix:	Solid
Level (low/med):	low	% Solid:	92.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.0029	U	1	0.035		0.26	mg/Kg	03/12/2018	03/12/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/9/2018 12:00:00 AM
Project:	LB93834	Date Received:	3/9/2018 12:00:00 AM
Client Sample ID:	SB-10-08-12	SDG No.:	LB93834
Lab Sample ID:	J1870-02	Matrix:	Solid
Level (low/med):	low	% Solid:	80.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.13	J	1	0.04		0.3	mg/Kg	03/12/2018	03/12/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/9/2018 12:00:00 AM
Project:	LB93834	Date Received:	3/9/2018 12:00:00 AM
Client Sample ID:	TP-8-COMP	SDG No.:	LB93834
Lab Sample ID:	J1873-03	Matrix:	Solid
Level (low/med):	low	% Solid:	87.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.0042	U	1	0.036		0.27	mg/Kg	03/12/2018	03/12/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/9/2018 12:00:00 AM
Project:	LB93834	Date Received:	3/9/2018 12:00:00 AM
Client Sample ID:	TP-9A-COMP	SDG No.:	LB93834
Lab Sample ID:	J1873-06	Matrix:	Solid
Level (low/med):	low	% Solid:	94.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	-0.0098	U	1	0.034		0.26	mg/Kg	03/12/2018	03/12/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/9/2018 12:00:00 AM
Project:	LB93834	Date Received:	3/9/2018 12:00:00 AM
Client Sample ID:	TP-9B-COMP	SDG No.:	LB93834
Lab Sample ID:	J1873-09	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	-0.015	U	1	0.041		0.31	mg/Kg	03/12/2018	03/12/2018	9012B



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Report of Analysis

Client:		Date Collected:	
Project:	LB93834	Date Received:	
Client Sample ID:	LOWPB107241	SDG No.:	LB93834
Lab Sample ID:	LOWPB107241	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		03/12/2018	9012B



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Report of Analysis

Client:		Date Collected:	
Project:	LB93834	Date Received:	
Client Sample ID:	LOWPB107241	SDG No.:	LB93834
Lab Sample ID:	LOWPB107241	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: LB93834

SDG No.: LB93834

Contract: _____

Lab Code: CHEM

Case No.: LB93834

SAS No.: LB93834

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	0.094	0.099	94.9		85 - 115		03/12/2018	12:24	LB93834



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB93834

SDG No.: LB93834

Contract: _____ Lab Code: CHEM

Case No.: LB93834

SAS No.: LB93834

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		03/12/2018	12:24	LB93834
CCV2	Cyanide	0.25	0.25	100		90 - 110		03/12/2018	12:32	LB93834
CCV3	Cyanide	0.26	0.25	104		90 - 110		03/12/2018	13:08	LB93834



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB93834 **SDG No.:** LB93834
Contract: **Lab Code:** CHEM **Case No.:** LB93834 **SAS No.:** LB93834

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		03/12/2018	12:24	LB93834

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Cyanide	-0	+/-0.005	U		0.005		03/12/2018	12:24	LB93834
CCB2	Cyanide	-0.00019	+/-0.005	U		0.005		03/12/2018	12:32	LB93834
CCB3	Cyanide	0.00055	+/-0.005	U		0.005		03/12/2018	13:08	LB93834



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB93834

SDG No.: LB93834

Contract: Lab Code: CHEM

Case No.: LB93834

SAS No.: LB93834

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: LB93834

SDG No.: LB93834

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
PB107241BL	Cyanide	SOLID -0.0088	<0.24	Batch Number: U		PB107241 0.24		Prep Date: 03/12/2018	03/12/2018 13:08	LB93834



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB93834 level: low sdg no.: LB93834
contract: lab code: CHEM case no.: LB93834 sas no.: LB93834
matrix: Solid sample id: J1776-02 client id: TP-1-3FTMS
Percent Solids for Sample: 89.5 Spiked ID: J1776-02MS Percent Solids for Spike Sample: 89.5

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	1.5		0.041	J	2.2	66	*	



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB93834 level: low sdg no.: LB93834
contract: lab code: CHEM case no.: LB93834 sas no.: LB93834
matrix: Solid sample id: J1776-02 client id: TP-1-3FTMSD
Percent Solids for Sample: 89.5 Spiked ID: J1776-02MSD Percent Solids for Spike Sample: 89.5

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	1.5		0.041	J	2.2	66	*	

GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB93834 **Level:** LOW **SDG No.:** LB93834
Contract: **Lab Code:** CHEM **Case No.:** LB93834 **SAS No.:** LB93834
Matrix: Solid **Sample ID:** J1776-02 **Client ID:** TP-1-3FTDUP
Percent Solids for Sample: 89.5 **Duplicate ID** J1776-02DUP **Percent Solids for Spike Sample:** 89.5

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	0.041	J	0.015	U	200.0	*	

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DUPLICATE SAMPLE SUMMARY

Client: LB93834 **Level:** LOW **SDG No.:** LB93834
Contract: **Lab Code:** CHEM **Case No.:** LB93834 **SAS No.:** LB93834
Matrix: Solid **Sample ID:** J1776-02MS **Client ID:** TP-1-3FTMSD
Percent Solids for Sample: 89.5 **Duplicate ID** J1776-02MSD **Percent Solids for Spike Sample:** 89.5

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	1.5		1.5		0		

