

Daily Analysis Runlog For Sequence/QC Batch ID # LB93419

Review By		Review On				
SubDirectory		LB93419		Test : Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP62145,WP62146,WP62147,WP62148,WP62149,WP62150,WP62151				
ICV Standard		W1542				
CCV Standard		WP62152				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP58910				
Chk Standard		WP62154,WP59958,WP60878				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	02/21/18 10:36		OK
2	5.0PPBCN	5.0PPBCN	CAL2	02/21/18 10:36		OK
3	10PPBCN	10PPBCN	CAL3	02/21/18 10:36		OK
4	50PPBCN	50PPBCN	CAL4	02/21/18 10:36		OK
5	100PPBCN	100PPBCN	CAL5	02/21/18 10:36		OK
6	250PPBCN	250PPBCN	CAL6	02/21/18 10:36		OK
7	500PPBCN	500PPBCN	CAL7	02/21/18 10:36		OK
8	ICV1	ICV1	ICV	02/21/18 11:12		OK
9	ICB1	ICB1	ICB	02/21/18 11:12		OK
10	CCV1	CCV1	CCV	02/21/18 11:12		OK
11	CCB1	CCB1	CCB	02/21/18 11:12		OK
12	PB106709BL	PB106709BL	MB	02/21/18 11:12		OK
13	PB106709BS	PB106709BS	LCS	02/21/18 11:12		OK
14	LOWPB106709	LOWPB106709	SAM	02/21/18 11:12		OK
15	HIGHPB106709	HIGHPB106709	SAM	02/21/18 11:12		OK
16	J1623-01	TP-1-2	SAM	02/21/18 11:12		OK
17	J1623-01DUP	TP-1-2DUP	DUP	02/21/18 11:12		OK
18	J1623-01MS	TP-1-2MS	MS	02/21/18 11:12		OK
19	J1623-01MSD	TP-1-2MSD	MSD	02/21/18 11:20		OK
20	J1623-05	TP-3-4	SAM	02/21/18 11:20		OK
21	J1623-09	TP-5-6	SAM	02/21/18 11:20		OK

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ICV Standard		W1542				
CCV Standard		WP62152				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP58910				
Chk Standard		WP62154,WP59958,WP60878				
22	CCV2	CCV2	CCV	02/21/18 11:20		OK
23	CCB2	CCB2	CCB	02/21/18 11:20		OK
24	J1623-13	TP-7-8	SAM	02/21/18 11:20		OK
25	J1623-17	TP-9-10	SAM	02/21/18 11:20		OK
26	J1624-01	TP-1	SAM	02/21/18 11:20		OK
27	J1624-03	TP-2	SAM	02/21/18 11:20		OK
28	J1624-05	TP-3	SAM	02/21/18 11:20		OK
29	CCV3	CCV3	CCV	02/21/18 11:20		OK
30	CCB3	CCB3	CCB	02/21/18 11:25		OK



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Report of Analysis

Client:		Date Collected:	
Project:	LB93419	Date Received:	
Client Sample ID:	HIGHPB106709	SDG No.:	LB93419
Lab Sample ID:	HIGHPB106709	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		02/21/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/20/2018 12:00:00 AM
Project:	LB93419	Date Received:	2/20/2018 12:00:00 AM
Client Sample ID:	TP-1-2	SDG No.:	LB93419
Lab Sample ID:	J1623-01	Matrix:	Solid
Level (low/med):	low	% Solid:	88

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.036	U	1	0.037		0.28	mg/Kg	02/21/2018	02/21/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/20/2018 12:00:00 AM
Project:	LB93419	Date Received:	2/20/2018 12:00:00 AM
Client Sample ID:	TP-3-4	SDG No.:	LB93419
Lab Sample ID:	J1623-05	Matrix:	Solid
Level (low/med):	low	% Solid:	90

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	-0.0025	U	1	0.036		0.28	mg/Kg	02/21/2018	02/21/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/20/2018 12:00:00 AM
Project:	LB93419	Date Received:	2/20/2018 12:00:00 AM
Client Sample ID:	TP-5-6	SDG No.:	LB93419
Lab Sample ID:	J1623-09	Matrix:	Solid
Level (low/med):	low	% Solid:	87.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.063	J	1	0.037		0.28	mg/Kg	02/21/2018	02/21/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/20/2018 12:00:00 AM
Project:	LB93419	Date Received:	2/20/2018 12:00:00 AM
Client Sample ID:	TP-7-8	SDG No.:	LB93419
Lab Sample ID:	J1623-13	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	-0.021	U	1	0.036		0.27	mg/Kg	02/21/2018	02/21/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/20/2018 12:00:00 AM
Project:	LB93419	Date Received:	2/20/2018 12:00:00 AM
Client Sample ID:	TP-9-10	SDG No.:	LB93419
Lab Sample ID:	J1623-17	Matrix:	Solid
Level (low/med):	low	% Solid:	86.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.14	J	1	0.037		0.28	mg/Kg	02/21/2018	02/21/2018	9012B

Report of Analysis

Client:		Date Collected:	2/20/2018 12:00:00 AM
Project:	LB93419	Date Received:	2/20/2018 12:00:00 AM
Client Sample ID:	TP-1	SDG No.:	LB93419
Lab Sample ID:	J1624-01	Matrix:	Solid
Level (low/med):	low	% Solid:	84.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.061	J	1	0.038		0.28	mg/Kg	02/21/2018	02/21/2018	9012B

Report of Analysis

Client:		Date Collected:	2/20/2018 12:00:00 AM
Project:	LB93419	Date Received:	2/20/2018 12:00:00 AM
Client Sample ID:	TP-2	SDG No.:	LB93419
Lab Sample ID:	J1624-03	Matrix:	Solid
Level (low/med):	low	% Solid:	86.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.081	J	1	0.037		0.28	mg/Kg	02/21/2018	02/21/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/20/2018 12:00:00 AM
Project:	LB93419	Date Received:	2/20/2018 12:00:00 AM
Client Sample ID:	TP-3	SDG No.:	LB93419
Lab Sample ID:	J1624-05	Matrix:	Solid
Level (low/med):	low	% Solid:	82.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.053	J	1	0.04		0.3	mg/Kg	02/21/2018	02/21/2018	9012B



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Report of Analysis

Client:		Date Collected:	
Project:	LB93419	Date Received:	
Client Sample ID:	LOWPB106709	SDG No.:	LB93419
Lab Sample ID:	LOWPB106709	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	0.0096		1	0.003		0.005	mg/L		02/21/2018	9012B



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Report of Analysis

Client:		Date Collected:	
Project:	LB93419	Date Received:	
Client Sample ID:	LOWPB106709	SDG No.:	LB93419
Lab Sample ID:	LOWPB106709	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: LB93419

SDG No.: LB93419

Contract: _____

Lab Code: CHEM

Case No.: LB93419

SAS No.: LB93419

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		02/21/2018	11:12	lb93419



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- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB93419

SDG No.: LB93419

Contract: _____ Lab Code: CHEM

Case No.: LB93419

SAS No.: LB93419

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		02/21/2018	11:12	lb93419
CCV2	Cyanide	0.24	0.25	96		90 - 110		02/21/2018	11:20	lb93419
CCV3	Cyanide	0.24	0.25	96		90 - 110		02/21/2018	11:20	lb93419



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB93419 **SDG No.:** LB93419
Contract: **Lab Code:** CHEM **Case No.:** LB93419 **SAS No.:** LB93419

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Cyanide	-0.00017	+/-0.005	U		0.005		02/21/2018	11:12	lb93419

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Cyanide	-0.00021	+/-0.005	U		0.005		02/21/2018	11:12	lb93419
CCB2	Cyanide	-0	+/-0.005	U		0.005		02/21/2018	11:20	lb93419
CCB3	Cyanide	-0.00027	+/-0.005	U		0.005		02/21/2018	11:25	lb93419



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB93419

SDG No.: LB93419

Contract: Lab Code: CHEM

Case No.: LB93419

SAS No.: LB93419

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
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- 3b -
PREPARATION BLANK SUMMARY

Client: LB93419

SDG No.: LB93419

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
PB106709BL	Cyanide	SOLID -0.0085	<0.24	Batch Number: U		PB106709 0.24		Prep Date: 02/21/2018	02/21/2018 11:12	lb93419



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- 5a -
MATRIX SPIKE SUMMARY

client: LB93419 level: low sdg no.: LB93419
contract: lab code: CHEM case no.: LB93419 sas no.: LB93419
matrix: Solid sample id: J1623-01 client id: TP-1-2MS
Percent Solids for Sample: 88 Spiked ID: J1623-01MS Percent Solids for Spike Sample: 88

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	1.4		0.037	U	2.2	63.6	*	



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- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB93419 level: low sdg no.: LB93419
contract: lab code: CHEM case no.: LB93419 sas no.: LB93419
matrix: Solid sample id: J1623-01 client id: TP-1-2MSD
Percent Solids for Sample: 88 Spiked ID: J1623-01MSD Percent Solids for Spike Sample: 88

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	1.5		0.037	U	2.3	65.2	*	

GENCHEM

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB93419 **Level:** LOW **SDG No.:** LB93419
Contract: **Lab Code:** CHEM **Case No.:** LB93419 **SAS No.:** LB93419
Matrix: Solid **Sample ID:** J1623-01 **Client ID:** TP-1-2DUP
Percent Solids for Sample: 88 **Duplicate ID** J1623-01DUP **Percent Solids for Spike Sample:** 88

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	0.037	U	0.019	U			



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- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB93419 Level: LOW SDG No.: LB93419
Contract: Lab Code: CHEM Case No.: LB93419 SAS No.: LB93419
Matrix: Solid Sample ID: J1623-01MS Client ID: TP-1-2MSD
Percent Solids for Sample: 88 Duplicate ID J1623-01MSD Percent Solids for Spike Sample: 88

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	1.4		1.5		7		

