

Daily Analysis Runlog For Sequence/QC Batch ID # LB94266

Review By		Review On				
SubDirectory		LB94266		Test : Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP63200,WP63201,WP63202,WP63204,WP63205,WP63206				
ICV Standard		W1542				
CCV Standard		WP63207				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP62802				
Chk Standard		WP63209,WP59958,WP60878				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	03/30/18 11:35		OK
2	5.0PPBCN	5.0PPBCN	CAL2	03/30/18 11:35		OK
3	10PPBCN	10PPBCN	CAL3	03/30/18 11:35		OK
4	50PPBCN	50PPBCN	CAL4	03/30/18 11:35		OK
5	100PPBCN	100PPBCN	CAL5	03/30/18 11:35		OK
6	250PPBCN	250PPBCN	CAL6	03/30/18 11:35		OK
7	500PPBCN	500PPBCN	CAL7	03/30/18 11:35		OK
8	ICV1	ICV1	ICV	03/30/18 12:04		OK
9	ICB1	ICB1	ICB	03/30/18 12:04		OK
10	CCV1	CCV1	CCV	03/30/18 12:04		OK
11	CCB1	CCB1	CCB	03/30/18 12:04		OK
12	PB107834BL	PB107834BL	MB	03/30/18 12:04		OK
13	PB107834BS	PB107834BS	LCS	03/30/18 12:04		OK
14	LOWPB107834	LOWPB107834	SAM	03/30/18 12:04		OK
15	HIGHPB107834	HIGHPB107834	SAM	03/30/18 12:04		OK
16	J1752-03	NB-01-032918-A	SAM	03/30/18 12:04		OK
17	J1752-03DUP	NB-01-032918-ADUP	DUP	03/30/18 12:04		OK
18	J1752-03MS	NB-01-032918-AMS	MS	03/30/18 12:04		OK
19	J1752-03MSD	NB-01-032918-AMSD	MSD	03/30/18 12:12		OK
20	J1752-05	NB-01-032918-B	SAM	03/30/18 12:12		OK
21	CCV2	CCV2	CCV	03/30/18 12:12		OK

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SubDirectory		Test : Cyanide				
LB94266						
STD. NAME		STD REF.#				
ICAL Standard		WP63200,WP63201,WP63202,WP63204,WP63205,WP63206				
ICV Standard		W1542				
CCV Standard		WP63207				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP62802				
Chk Standard		WP63209,WP59958,WP60878				
22	CCB2	CCB2	CCB	03/30/18 12:12		OK
23	J1752-07	NB-01-032918-C	SAM	03/30/18 12:12		OK
24	J1760-09	SU-03-032918	SAM	03/30/18 12:12		OK
25	J2117-01	TPIAS	SAM	03/30/18 12:12		OK
26	J2117-03	TPIAD	SAM	03/30/18 12:12		OK
27	J2139-10	PAD-1	SAM	03/30/18 12:12		OK
28	J2139-11	PAD-2	SAM	03/30/18 12:12		OK
29	CCV3	CCV3	CCV	03/30/18 12:12		OK
30	CCB3	CCB3	CCB	03/30/18 12:14		OK



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Report of Analysis

Client:		Date Collected:	
Project:	LB94266	Date Received:	
Client Sample ID:	HIGHPB107834	SDG No.:	LB94266
Lab Sample ID:	HIGHPB107834	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		03/30/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/29/2018 12:00:00 AM
Project:	LB94266	Date Received:	3/29/2018 12:00:00 AM
Client Sample ID:	NB-01-032918-A	SDG No.:	LB94266
Lab Sample ID:	J1752-03	Matrix:	Solid
Level (low/med):	low	% Solid:	83.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.076	J	1	0.039		0.29	mg/Kg	03/30/2018	03/30/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/29/2018 12:00:00 AM
Project:	LB94266	Date Received:	3/29/2018 12:00:00 AM
Client Sample ID:	NB-01-032918-B	SDG No.:	LB94266
Lab Sample ID:	J1752-05	Matrix:	Solid
Level (low/med):	low	% Solid:	89.6

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		0.28	mg/Kg	03/30/2018	03/30/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/29/2018 12:00:00 AM
Project:	LB94266	Date Received:	3/29/2018 12:00:00 AM
Client Sample ID:	NB-01-032918-C	SDG No.:	LB94266
Lab Sample ID:	J1752-07	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	0.06	J	1	0.04		0.3	mg/Kg	03/30/2018	03/30/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/29/2018 12:00:00 AM
Project:	LB94266	Date Received:	3/29/2018 12:00:00 AM
Client Sample ID:	SU-03-032918	SDG No.:	LB94266
Lab Sample ID:	J1760-09	Matrix:	Solid
Level (low/med):	low	% Solid:	91.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.099	J	1	0.035		0.26	mg/Kg	03/30/2018	03/30/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/28/2018 12:00:00 AM
Project:	LB94266	Date Received:	3/28/2018 12:00:00 AM
Client Sample ID:	TPIAS	SDG No.:	LB94266
Lab Sample ID:	J2117-01	Matrix:	Solid
Level (low/med):	low	% Solid:	86.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.11	J	1	0.036		0.27	mg/Kg	03/30/2018	03/30/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/28/2018 12:00:00 AM
Project:	LB94266	Date Received:	3/28/2018 12:00:00 AM
Client Sample ID:	TPIAD	SDG No.:	LB94266
Lab Sample ID:	J2117-03	Matrix:	Solid
Level (low/med):	low	% Solid:	84

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.052	J	1	0.039		0.29	mg/Kg	03/30/2018	03/30/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/29/2018 12:00:00 AM
Project:	LB94266	Date Received:	3/29/2018 12:00:00 AM
Client Sample ID:	PAD-1	SDG No.:	LB94266
Lab Sample ID:	J2139-10	Matrix:	Solid
Level (low/med):	low	% Solid:	81.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	16		1	0.04		0.3	mg/Kg	03/30/2018	03/30/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/29/2018 12:00:00 AM
Project:	LB94266	Date Received:	3/29/2018 12:00:00 AM
Client Sample ID:	PAD-2	SDG No.:	LB94266
Lab Sample ID:	J2139-11	Matrix:	Solid
Level (low/med):	low	% Solid:	77.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.056	J	1	0.041		0.31	mg/Kg	03/30/2018	03/30/2018	9012B



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Report of Analysis

Client:		Date Collected:	
Project:	LB94266	Date Received:	
Client Sample ID:	LOWPB107834	SDG No.:	LB94266
Lab Sample ID:	LOWPB107834	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		03/30/2018	9012B



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Report of Analysis

Client:		Date Collected:	
Project:	LB94266	Date Received:	
Client Sample ID:	LOWPB107834	SDG No.:	LB94266
Lab Sample ID:	LOWPB107834	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: LB94266

SDG No.: LB94266

Contract: _____ Lab Code: CHEM

Case No.: LB94266

SAS No.: LB94266

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	0.096	0.099	97		85 - 115		03/30/2018	12:04	LB94266



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB94266

SDG No.: LB94266

Contract: _____ Lab Code: CHEM

Case No.: LB94266

SAS No.: LB94266

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		03/30/2018	12:04	LB94266
CCV2	Cyanide	0.24	0.25	96		90 - 110		03/30/2018	12:12	LB94266
CCV3	Cyanide	0.24	0.25	96		90 - 110		03/30/2018	12:12	LB94266



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB94266

SDG No.: LB94266

Contract:

Lab Code: CHEM

Case No.: LB94266

SAS No.: LB94266

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Cyanide	0.00056	+/-0.005	U		0.005		03/30/2018	12:04	LB94266

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Cyanide	0.00051	+/-0.005	U		0.005		03/30/2018	12:04	LB94266
CCB2	Cyanide	0.00049	+/-0.005	U		0.005		03/30/2018	12:12	LB94266
CCB3	Cyanide	0.00014	+/-0.005	U		0.005		03/30/2018	12:14	LB94266



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client:

LB94266

SDG No.:

LB94266

Contract:

Lab Code:

CHEM

Case No.:

LB94266

SAS No.:

LB94266

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: LB94266

SDG No.: LB94266

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
PB107834BL		SOLID		Batch Number:		PB107834		Prep Date:	03/30/2018	
	Cyanide	0.022	<0.25	U		0.25		03/30/2018	12:04	LB94266



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB94266 level: low sdg no.: LB94266
contract: lab code: CHEM case no.: LB94266 sas no.: LB94266
matrix: Solid sample id: J1752-03 client id: NB-01-032918-AMS
Percent Solids for Sample: 83.7 Spiked ID: J1752-03MS Percent Solids for Spike Sample: 83.7

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	2.2		0.076	J	2.3	92		



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB94266 level: low sdg no.: LB94266
contract: lab code: CHEM case no.: LB94266 sas no.: LB94266
matrix: Solid sample id: J1752-03 client id: NB-01-032918-AMSD
Percent Solids for Sample: 83.7 Spiked ID: J1752-03MSD Percent Solids for Spike Sample: 83.7

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125		2	0.076	J	2.4	80		

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DUPLICATE SAMPLE SUMMARY

Client: LB94266 **Level:** LOW **SDG No.:** LB94266
Contract: **Lab Code:** CHEM **Case No.:** LB94266 **SAS No.:** LB94266
Matrix: Solid **Sample ID:** J1752-03 **Client ID:** NB-01-032918-ADUP
Percent Solids for Sample: 83.7 **Duplicate ID** J1752-03DUP **Percent Solids for Spike Sample:** 83.7

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	0.076	J	0.042	J	58	*	

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DUPLICATE SAMPLE SUMMARY

Client: LB94266 **Level:** LOW **SDG No.:** LB94266
Contract: **Lab Code:** CHEM **Case No.:** LB94266 **SAS No.:** LB94266
Matrix: Solid **Sample ID:** J1752-03MS **Client ID:** NB-01-032918-AMSD
Percent Solids for Sample: 83.7 **Duplicate ID** J1752-03MSD **Percent Solids for Spike Sample:** 83.7

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	2.2			2	10		

