

Daily Analysis Runlog For Sequence/QC Batch ID # LB91325

Review By

Review On

SubDirectory

LB91325

Test :

Cyanide

STD. NAME		STD REF.#				
ICAL Standard		WP59319,WP59318,WP59317,WP59316,WP59315,WP59314				
ICV Standard		WP59320				
CCV Standard		WP59321				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP59351,WP55836,WP58653				

Sr#	SampleId	ClientID	QcType	Date	Comment	Status
1	S0.0	S0.0	CAL1	11/02/17 13:32		OK
2	S5.0	S5.0	CAL2	11/02/17 13:32		OK
3	S10.0	S10.0	CAL3	11/02/17 13:32		OK
4	S100.0	S100.0	CAL4	11/02/17 13:32		OK
5	S250.0	S250.0	CAL5	11/02/17 13:32		OK
6	S500.0	S500.0	CAL6	11/02/17 13:32		OK
7	ICV	ICV	ICV	11/02/17 15:37		OK
8	ICB	ICB	ICB	11/02/17 15:37		OK
9	CCV001	CCV001	CCV	11/02/17 15:37		OK
10	CCB001	CCB001	CCB	11/02/17 15:37		OK
11	PB103794BL	PBS006	MB	11/02/17 15:37		OK
12	I6120-04	B-68(1-2)-102417	SAM	11/02/17 15:37		OK
13	I6150-05	B-3(1-2)-102517	SAM	11/02/17 15:37		OK
14	I6150-06	B-3(2-3)-102517	SAM	11/02/17 15:37		OK
15	I6150-07	B-78(0.5-1.5)-102517	SAM	11/02/17 15:37		OK
16	I6150-08	B-78(5-7)-102517	SAM	11/02/17 15:37		OK
17	I6175-02	B-79(1-2)-102617	SAM	11/02/17 15:37		OK
18	I6175-03	B-79(5-6)-102617	SAM	11/02/17 15:42		OK
19	PB103800BL	PBW005	MB	11/02/17 15:42		OK
20	I6120-05	EQB-5-102417	SAM	11/02/17 15:42		OK
21	CCV002	CCV002	CCV	11/02/17 15:42		OK



Instrument ID : CN

284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Daily Analysis Runlog For Sequence/QC Batch ID # LB91325

Review By		Review On				
SubDirectory		LB91325		Test : Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP59319,WP59318,WP59317,WP59316,WP59315,WP59314				
ICV Standard		WP59320				
CCV Standard		WP59321				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP59351,WP55836,WP58653				
22	CCB002	CCB002	CCB	11/02/17 15:42		OK



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Report of Analysis

Client:		Date Collected:	10/24/2017 12:00:00 AM
Project:	LB91325	Date Received:	10/24/2017 12:00:00 AM
Client Sample ID:	B-68(1-2)-102417	SDG No.:	LB91325
Lab Sample ID:	I6120-04	Matrix:	Solid
Level (low/med):	low	% Solid:	78.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.11	J	1	0.068	0.015	0.62	mg/kg	11/01/2017	11/02/2017	ISM02.4_CN



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Report of Analysis

Client:		Date Collected:	10/24/2017 12:00:00 AM
Project:	LB91325	Date Received:	10/24/2017 12:00:00 AM
Client Sample ID:	EQB-5-102417	SDG No.:	LB91325
Lab Sample ID:	I6120-05	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	U	1	1.5	5	10	ug/L	11/01/2017	11/02/2017	ISM02.4_CN



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Report of Analysis

Client:		Date Collected:	10/25/2017 12:00:00 AM
Project:	LB91325	Date Received:	10/25/2017 12:00:00 AM
Client Sample ID:	B-3(1-2)-102517	SDG No.:	LB91325
Lab Sample ID:	I6150-05	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	U	1	0.064	0.014	0.58	mg/kg	11/01/2017	11/02/2017	ISM02.4_CN



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Report of Analysis

Client:		Date Collected:	10/25/2017 12:00:00 AM
Project:	LB91325	Date Received:	10/25/2017 12:00:00 AM
Client Sample ID:	B-3(2-3)-102517	SDG No.:	LB91325
Lab Sample ID:	I6150-06	Matrix:	Solid
Level (low/med):	low	% Solid:	91.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0	U	1	0.058	0.013	0.53	mg/kg	11/01/2017	11/02/2017	ISM02.4_CN



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Report of Analysis

Client:		Date Collected:	10/25/2017 12:00:00 AM
Project:	LB91325	Date Received:	10/25/2017 12:00:00 AM
Client Sample ID:	B-78(0.5-1.5)-102517	SDG No.:	LB91325
Lab Sample ID:	I6150-07	Matrix:	Solid
Level (low/med):	low	% Solid:	86.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0	U	1	0.061	0.014	0.56	mg/kg	11/01/2017	11/02/2017	ISM02.4_CN



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Report of Analysis

Client:		Date Collected:	10/25/2017 12:00:00 AM
Project:	LB91325	Date Received:	10/25/2017 12:00:00 AM
Client Sample ID:	B-78(5-7)-102517	SDG No.:	LB91325
Lab Sample ID:	I6150-08	Matrix:	Solid
Level (low/med):	low	% Solid:	65.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0	U	1	0.083	0.019	0.75	mg/kg	11/01/2017	11/02/2017	ISM02.4_CN



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Report of Analysis

Client:		Date Collected:	10/26/2017 12:00:00 AM
Project:	LB91325	Date Received:	10/26/2017 12:00:00 AM
Client Sample ID:	B-79(1-2)-102617	SDG No.:	LB91325
Lab Sample ID:	I6175-02	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	0.031	U	1	0.06	0.014	0.55	mg/kg	11/01/2017	11/02/2017	ISM02.4_CN



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Report of Analysis

Client:		Date Collected:	10/26/2017 12:00:00 AM
Project:	LB91325	Date Received:	10/26/2017 12:00:00 AM
Client Sample ID:	B-79(5-6)-102617	SDG No.:	LB91325
Lab Sample ID:	I6175-03	Matrix:	Solid
Level (low/med):	low	% Solid:	90.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0	U	1	0.059	0.013	0.54	mg/kg	11/01/2017	11/02/2017	ISM02.4_CN



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Report of Analysis

Client:		Date Collected:	10/26/2017 12:00:00 AM
Project:	LB91325	Date Received:	10/26/2017 12:00:00 AM
Client Sample ID:	B-79(5-6)-102617	SDG No.:	LB91325
Lab Sample ID:	I6175-03	Matrix:	Solid
Level (low/med):	low	% Solid:	90.1

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



Metals
- 13 -

SAMPLE PREPARATION SUMMARY

Client: LB91325 SDG No.: LB91325
Contract: Lab Code: CHEM Method:
Case No.: LB91325 SAS No.: LB91325

					Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Sample ID	Client ID	Sample Type	Matrix	Prep Date			
Batch Number: PB103794							
PB103794BL	PBS006	MB	SOLID	11/02/2017	1.02	50.0	100.00
I6120-04	B-68(1-2)-102417	SAM	SOLID	11/02/2017	1.03	50.0	78.30
I6150-05	B-3(1-2)-102517	SAM	SOLID	11/02/2017	1.03	50.0	84.00
I6150-06	B-3(2-3)-102517	SAM	SOLID	11/02/2017	1.03	50.0	91.40
I6150-07	B-78(0.5-1.5)-102517	SAM	SOLID	11/02/2017	1.04	50.0	86.20
I6150-08	B-78(5-7)-102517	SAM	SOLID	11/02/2017	1.02	50.0	65.20
I6175-02	B-79(1-2)-102617	SAM	SOLID	11/02/2017	1.04	50.0	88.00
I6175-03	B-79(5-6)-102617	SAM	SOLID	11/02/2017	1.03	50.0	90.10



Metals
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SAMPLE PREPARATION SUMMARY

Client: LB91325 **SDG No.:** LB91325
Contract: **Lab Code:** CHEM **Method:**
Case No.: LB91325 **SAS No.:** LB91325

						Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Sample ID	Client ID	Sample Type	Matrix	Prep Date				
Batch Number: PB103800								
PB103800BL	PBW005	MB	WATER	11/02/2017		50.0	50.0	
I6120-05	EQB-5-102417	SAM	WATER	11/02/2017		50.0	50.0	



Start Date: _____ **End Date:** _____

[illegible]



Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB91325

SDG No.: LB91325

Contract: _____ **Lab Code:** CHEM

Case No.: LB91325

SAS No.: LB91325

Initial Calibration Source: _____

Continuing Calibration Source: _____

Sample ID	Analyte	Result ug/L	True Value	% Recovery	% RSD	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV	Cyanide	94.3	99	95	0	85 - 115	CN	11/02/2017	15:37	LB91325



Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB91325

SDG No.: LB91325

Contract: _____ **Lab Code:** CHEM

Case No.: LB91325

SAS No.: LB91325

Initial Calibration Source: _____

Continuing Calibration Source: _____

Sample ID	Analyte	Result ug/L	True Value	% Recovery	% RSD	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV001	Cyanide	247	250	99	0	85 - 115	CN	11/02/2017	15:37	LB91325
CCV002	Cyanide	262	250	105	0	85 - 115	CN	11/02/2017	15:42	LB91325



Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB91325 **SDG No.:** LB91325
Contract: **Lab Code:** CHEM **Case No.:** LB91325 **SAS No.:** LB91325

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB	Cyanide	1.5	+/-10.0	U	5.0	10.0	CN	11/02/2017	15:37	LB91325



Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB91325

SDG No.: LB91325

Contract:

Lab Code: CHEM

Case No.: LB91325

SAS No.: LB91325

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB001	Cyanide	1.5	+/-10.0	U	5.0	10.0	CN	11/02/2017	15:37	LB91325
CCB002	Cyanide	1.5	+/-10.0	U	5.0	10.0	CN	11/02/2017	15:42	LB91325



Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB91325

SDG No.: LB91325

Contract: Lab Code: CHEM

Case No.: LB91325

SAS No.: LB91325

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

Client: LB91325

SDG No.: LB91325

Instrument: CN

Sample ID	Analyte	Result (mg/kg)	Acceptance Limit	Conc Qual	LOD mg/kg	CRQL mg/kg	M	Analysis Date	Analysis Time	Run
PB103794BL	SOLID		Batch Number:		PB103794		Prep Date:		11/01/2017	
	Cyanide	0.054	<0.49	J	0.012	0.49	CN	11/02/2017	15:37	LB91325
Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	LOD ug/L	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB103800BL	WATER		Batch Number:		PB103800		Prep Date:		11/01/2017	
	Cyanide	1.5	<10	U	5.0	10	CN	11/02/2017	15:42	LB91325



Hit Summary Sheet
SW-846

SDG No.:

LB91325

Order ID:

LB91325

Client:

LB91325

Project ID:

LB91325

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID :	B-68(1-2)-102417								
I6120-04	B-68(1-2)-102417	Solid	Cyanide	0.110	J	0.068	0.31	0.62	mg/kg



Metals
- 10 -

Client: LB91325

SDG No.: LB91325

Contract:

Lab Code: CHEM

Case No.: LB91325

SAS No.: LB91325

Instrument ID: P4

Preparation Method:

Analyte	Wave- length (nm)	MDL	LOD	PQL	Date:
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LIQUID

Method: Cyanide	578.00
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SOLIDS

Method: Cyanide	578.00
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