

Daily Analysis Runlog For Sequence/QC Batch ID # LB91986

Review By	apatel	Review On	12/7/2017 11:14:51 AM			
SubDirectory	LB91986	Test :	Cyanide			
STD. NAME		STD REF.#				
ICAL Standard		WP60131,WP60130,WP60129,WP60128,WP60127,WP60126				
ICV Standard		WP60132				
CCV Standard		WP60133				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP60156,WP59958,WP60150				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	S0.0	S0.0	CAL1	12/06/17 15:24		OK
2	S5.0	S5.0	CAL2	12/06/17 15:24		OK
3	S10.0	S10.0	CAL3	12/06/17 15:24		OK
4	S100.0	S100.0	CAL4	12/06/17 15:24		OK
5	S250.0	S250.0	CAL5	12/06/17 15:24		OK
6	S500.0	S500.0	CAL6	12/06/17 15:24		OK
7	ICV	ICV	ICV	12/06/17 16:07		OK
8	ICB	ICB	ICB	12/06/17 16:07		OK
9	CCV001	CCV001	CCV	12/06/17 16:07		OK
10	CCB001	CCB001	CCB	12/06/17 16:07		OK
11	PB104681BL	PBW005	MB	12/06/17 16:07		OK
12	I6687-04	MC0AF5	SAM	12/06/17 16:15		OK
13	PB104745BL	PBS006	MB	12/06/17 16:15		OK
14	I6710-01	MBE186	SAM	12/06/17 16:15		OK
15	I6710-02	MBE186D	DUP	12/06/17 16:15		OK
16	I6710-03	MBE186S	MS	12/06/17 16:15		OK
17	I6710-04	MBE187	SAM	12/06/17 16:15		OK
18	I6710-05	MBE188	SAM	12/06/17 16:15		OK
19	I6710-06	MBE189	SAM	12/06/17 16:15		OK
20	I6710-07	MBE190	SAM	12/06/17 16:15		OK
21	I6710-08	MBE191	SAM	12/06/17 16:15		OK

Daily Analysis Runlog For Sequence/QC Batch ID # LB91986

Review By		apatel		Review On		12/7/2017 11:14:51 AM	
SubDirectory		LB91986		Test : Cyanide			
STD. NAME		STD REF.#					
ICAL Standard		WP60131,WP60130,WP60129,WP60128,WP60127,WP60126					
ICV Standard		WP60132					
CCV Standard		WP60133					
ICSA Standard		N/A					
CRI Standard		N/A					
LCS Standard		N/A					
Chk Standard		WP60156,WP59958,WP60150					
22	I6710-09	MBE192	SAM	12/06/17 16:22		OK	
23	I6710-10	MBE193	SAM	12/06/17 16:22		OK	
24	I6710-11	MBE194	SAM	12/06/17 16:22		OK	
25	I6710-12	MBE195	SAM	12/06/17 16:22		OK	
26	I6710-13	MBE196	SAM	12/06/17 16:22		OK	
27	I6710-14	MBE197	SAM	12/06/17 16:22		OK	
28	I6710-15	MBE198	SAM	12/06/17 16:22		OK	
29	I6710-16	MBE199	SAM	12/06/17 16:22		OK	
30	I6710-17	MBE1A0	SAM	12/06/17 16:22		OK	
31	I6710-18	MBE1A1	SAM	12/06/17 16:22		OK	
32	I6710-19	MBE1A2	SAM	12/06/17 16:22		OK	
33	I6710-20	MBE1A3	SAM	12/06/17 16:26		OK	
34	I6710-21	MBE1A4	SAM	12/06/17 16:26		OK	
35	I6687-01	MC0AF4	SAM	12/06/17 16:31		OK	
36	I6687-02	MC0AF4D	DUP	12/06/17 16:31		OK	
37	I6687-03	MC0AF4S	MS	12/06/17 16:31		OK	
38	CCV002	CCV002	CCV	12/06/17 16:31		OK	
39	CCB002	CCB002	CCB	12/06/17 16:31		OK	

Metals**- 2a -****INITIAL AND CONTINUING CALIBRATION VERIFICATION**

Client: LB91986 **SDG No.:** LB91986
Contract: **Lab Code:** CHEM **Case No.:** LB91986 **SAS No.:** LB91986
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	97.0	99	98	0	85 - 115	CN	12/06/2017	16:07	LB91986



Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB91986

SDG No.: LB91986

Contract: _____ Lab Code: CHEM

Case No.: LB91986

SAS No.: LB91986

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	244	250	98	0	85 - 115	CN	12/06/2017	16:07	LB91986
CCV002	Cyanide	254	250	102	0	85 - 115	CN	12/06/2017	16:31	LB91986



Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB91986 **SDG No.:** LB91986
Contract: **Lab Code:** CHEM **Case No.:** LB91986 **SAS No.:** LB91986

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB	Cyanide	0.19	+/-10.0	U	5.0	10.0	CN	12/06/2017	16:07	LB91986



Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB91986

SDG No.: LB91986

Contract:

Lab Code: CHEM

Case No.: LB91986

SAS No.: LB91986

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB001	Cyanide	0.071	+/-10.0	U	5.0	10.0	CN	12/06/2017	16:07	LB91986
CCB002	Cyanide	0.17	+/-10.0	U	5.0	10.0	CN	12/06/2017	16:31	LB91986



Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB91986

SDG No.: LB91986

Contract: Lab Code: CHEM

Case No.: LB91986

SAS No.: LB91986

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
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Report of Analysis

Client:		Date Collected:	11/27/2017 12:00:00 AM
Project:	LB91986	Date Received:	12/1/2017 12:00:00 AM
Client Sample ID:	MC0AF4	SDG No.:	LB91986
Lab Sample ID:	I6687-01	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	0.41	U	1	2.1	5	10	ug/L	12/06/2017	12/06/2017	ISM02.4_CN



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Report of Analysis

Client:		Date Collected:	11/27/2017 12:00:00 AM
Project:	LB91986	Date Received:	12/1/2017 12:00:00 AM
Client Sample ID:	MC0AF5	SDG No.:	LB91986
Lab Sample ID:	I6687-04	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	2.1	5	10	ug/L	12/06/2017	12/06/2017	ISM02.4_CN



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Report of Analysis

Client:		Date Collected:	11/27/2017 12:00:00 AM
Project:	LB91986	Date Received:	12/2/2017 12:00:00 AM
Client Sample ID:	MBE186	SDG No.:	LB91986
Lab Sample ID:	I6710-01	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	U	1	0.11	0.013	0.52	mg/kg	12/06/2017	12/06/2017	ISM02.4_CN



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Report of Analysis

Client:		Date Collected:	11/27/2017 12:00:00 AM
Project:	LB91986	Date Received:	12/2/2017 12:00:00 AM
Client Sample ID:	MBE187	SDG No.:	LB91986
Lab Sample ID:	I6710-04	Matrix:	Solid
Level (low/med):	low	% Solid:	96.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.029	U	1	0.11	0.013	0.5	mg/kg	12/06/2017	12/06/2017	ISM02.4_CN



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Report of Analysis

Client:		Date Collected:	11/27/2017 12:00:00 AM
Project:	LB91986	Date Received:	12/2/2017 12:00:00 AM
Client Sample ID:	MBE188	SDG No.:	LB91986
Lab Sample ID:	I6710-05	Matrix:	Solid
Level (low/med):	low	% Solid:	89.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.08	U	1	0.12	0.013	0.53	mg/kg	12/06/2017	12/06/2017	ISM02.4_CN



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Report of Analysis

Client:		Date Collected:	11/27/2017 12:00:00 AM
Project:	LB91986	Date Received:	12/2/2017 12:00:00 AM
Client Sample ID:	MBE189	SDG No.:	LB91986
Lab Sample ID:	I6710-06	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	0.034	U	1	0.12	0.013	0.52	mg/kg	12/06/2017	12/06/2017	ISM02.4_CN



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Report of Analysis

Client:		Date Collected:	11/27/2017 12:00:00 AM
Project:	LB91986	Date Received:	12/2/2017 12:00:00 AM
Client Sample ID:	MBE190	SDG No.:	LB91986
Lab Sample ID:	I6710-07	Matrix:	Solid
Level (low/med):	low	% Solid:	95.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.094	U	1	0.11	0.013	0.52	mg/kg	12/06/2017	12/06/2017	ISM02.4_CN



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Report of Analysis

Client:		Date Collected:	11/27/2017 12:00:00 AM
Project:	LB91986	Date Received:	12/2/2017 12:00:00 AM
Client Sample ID:	MBE191	SDG No.:	LB91986
Lab Sample ID:	I6710-08	Matrix:	Solid
Level (low/med):	low	% Solid:	93.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.2	J	1	0.11	0.013	0.51	mg/kg	12/06/2017	12/06/2017	ISM02.4_CN



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Report of Analysis

Client:		Date Collected:	11/27/2017 12:00:00 AM
Project:	LB91986	Date Received:	12/2/2017 12:00:00 AM
Client Sample ID:	MBE192	SDG No.:	LB91986
Lab Sample ID:	I6710-09	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	0.015	U	1	0.12	0.013	0.54	mg/kg	12/06/2017	12/06/2017	ISM02.4_CN



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Report of Analysis

Client:		Date Collected:	11/27/2017 12:00:00 AM
Project:	LB91986	Date Received:	12/2/2017 12:00:00 AM
Client Sample ID:	MBE193	SDG No.:	LB91986
Lab Sample ID:	I6710-10	Matrix:	Solid
Level (low/med):	low	% Solid:	93.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0	U	1	0.11	0.013	0.5	mg/kg	12/06/2017	12/06/2017	ISM02.4_CN



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Report of Analysis

Client:		Date Collected:	11/29/2017 12:00:00 AM
Project:	LB91986	Date Received:	12/2/2017 12:00:00 AM
Client Sample ID:	MBE194	SDG No.:	LB91986
Lab Sample ID:	I6710-11	Matrix:	Solid
Level (low/med):	low	% Solid:	90.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.09	U	1	0.12	0.013	0.54	mg/kg	12/06/2017	12/06/2017	ISM02.4_CN



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Report of Analysis

Client:		Date Collected:	11/29/2017 12:00:00 AM
Project:	LB91986	Date Received:	12/2/2017 12:00:00 AM
Client Sample ID:	MBE195	SDG No.:	LB91986
Lab Sample ID:	I6710-12	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	0.092	U	1	0.12	0.013	0.54	mg/kg	12/06/2017	12/06/2017	ISM02.4_CN



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Report of Analysis

Client:		Date Collected:	11/29/2017 12:00:00 AM
Project:	LB91986	Date Received:	12/2/2017 12:00:00 AM
Client Sample ID:	MBE196	SDG No.:	LB91986
Lab Sample ID:	I6710-13	Matrix:	Solid
Level (low/med):	low	% Solid:	90.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.025	U	1	0.12	0.013	0.53	mg/kg	12/06/2017	12/06/2017	ISM02.4_CN



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Report of Analysis

Client:		Date Collected:	11/29/2017 12:00:00 AM
Project:	LB91986	Date Received:	12/2/2017 12:00:00 AM
Client Sample ID:	MBE197	SDG No.:	LB91986
Lab Sample ID:	I6710-14	Matrix:	Solid
Level (low/med):	low	% Solid:	94.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0	U	1	0.11	0.013	0.52	mg/kg	12/06/2017	12/06/2017	ISM02.4_CN



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Report of Analysis

Client:		Date Collected:	11/29/2017 12:00:00 AM
Project:	LB91986	Date Received:	12/2/2017 12:00:00 AM
Client Sample ID:	MBE198	SDG No.:	LB91986
Lab Sample ID:	I6710-15	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	0.024	U	1	0.12	0.014	0.55	mg/kg	12/06/2017	12/06/2017	ISM02.4_CN



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Report of Analysis

Client:		Date Collected:	11/29/2017 12:00:00 AM
Project:	LB91986	Date Received:	12/2/2017 12:00:00 AM
Client Sample ID:	MBE199	SDG No.:	LB91986
Lab Sample ID:	I6710-16	Matrix:	Solid
Level (low/med):	low	% Solid:	95

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0	U	1	0.11	0.012	0.49	mg/kg	12/06/2017	12/06/2017	ISM02.4_CN



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Report of Analysis

Client:		Date Collected:	11/29/2017 12:00:00 AM
Project:	LB91986	Date Received:	12/2/2017 12:00:00 AM
Client Sample ID:	MBE1A0	SDG No.:	LB91986
Lab Sample ID:	I6710-17	Matrix:	Solid
Level (low/med):	low	% Solid:	92.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.045	U	1	0.12	0.013	0.53	mg/kg	12/06/2017	12/06/2017	ISM02.4_CN



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Report of Analysis

Client:		Date Collected:	11/29/2017 12:00:00 AM
Project:	LB91986	Date Received:	12/2/2017 12:00:00 AM
Client Sample ID:	MBE1A1	SDG No.:	LB91986
Lab Sample ID:	I6710-18	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	0.064	U	1	0.12	0.013	0.53	mg/kg	12/06/2017	12/06/2017	ISM02.4_CN



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Report of Analysis

Client:		Date Collected:	11/29/2017 12:00:00 AM
Project:	LB91986	Date Received:	12/2/2017 12:00:00 AM
Client Sample ID:	MBE1A2	SDG No.:	LB91986
Lab Sample ID:	I6710-19	Matrix:	Solid
Level (low/med):	low	% Solid:	95.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.053	U	1	0.11	0.013	0.52	mg/kg	12/06/2017	12/06/2017	ISM02.4_CN



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Report of Analysis

Client:		Date Collected:	11/28/2017 12:00:00 AM
Project:	LB91986	Date Received:	12/2/2017 12:00:00 AM
Client Sample ID:	MBE1A3	SDG No.:	LB91986
Lab Sample ID:	I6710-20	Matrix:	Solid
Level (low/med):	low	% Solid:	93

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.054	U	1	0.12	0.013	0.52	mg/kg	12/06/2017	12/06/2017	ISM02.4_CN



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Report of Analysis

Client:		Date Collected:	11/28/2017 12:00:00 AM
Project:	LB91986	Date Received:	12/2/2017 12:00:00 AM
Client Sample ID:	MBE1A4	SDG No.:	LB91986
Lab Sample ID:	I6710-21	Matrix:	Solid
Level (low/med):	low	% Solid:	75.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.43	J	1	0.14	0.016	0.64	mg/kg	12/06/2017	12/06/2017	ISM02.4_CN



Report of Analysis

Client:		Date Collected:	11/28/2017 12:00:00 AM
Project:	LB91986	Date Received:	12/2/2017 12:00:00 AM
Client Sample ID:	MBE1A4	SDG No.:	LB91986
Lab Sample ID:	I6710-21	Matrix:	Solid
Level (low/med):	low	% Solid:	75.7

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
- 3b -
PREPARATION BLANK SUMMARY

Client: LB91986

SDG No.: LB91986

Instrument: CN

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	LOD ug/L	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB104681BL	WATER		<10	Batch Number:	PB104681		CN	Prep Date:	12/06/2017	
	Cyanide	2.1		U	5.0	10		12/06/2017	16:07	LB91986
Sample ID	Analyte	Result (mg/kg)	Acceptance Limit	Conc Qual	LOD mg/kg	CRQL mg/kg	M	Analysis Date	Analysis Time	Run
PB104745BL	SOLID		<0.5	Batch Number:	PB104745		CN	Prep Date:	12/06/2017	
	Cyanide	0.11		U	0.012	0.5		12/06/2017	16:15	LB91986



metals
- 5a -
MATRIX SPIKE SUMMARY

client: LB91986 level: low sdg no.: LB91986
contract: lab code: CHEM case no.: LB91986 sas no.: LB91986
matrix: WATER sample id: I6687-01 client id: MC0AF4S
Percent Solids for Sample: 0 Spiked ID: I6687-03 Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	ug/L	75 - 125	86.9		10.0	U	100	87		CN



metals
- 5a -
MATRIX SPIKE SUMMARY

client: LB91986 level: low sdg no.: LB91986
contract: lab code: CHEM case no.: LB91986 sas no.: LB91986
matrix: Solid sample id: I6710-01 client id: MBE186S
Percent Solids for Sample: 94.5 Spiked ID: I6710-03 Percent Solids for Spike Sample: 94.5

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/kg	75 - 125	4.4		0.52	U	5	88		CN



Metals

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DUPLICATE SAMPLE SUMMARY

Client: LB91986 Level: LOW SDG No.: LB91986
Contract: Lab Code: CHEM Case No.: LB91986 SAS No.: LB91986
Matrix: WATER Sample ID: I6687-01 Client ID: MC0AF4D
Percent Solids for Sample: 0 Duplicate ID I6687-02 Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	ug/L	20	10.0	U	0.063	U			CN

“A control limit of $\pm 20\%$ RPD for each matrix applies for sample values greater than 10 times Detection Limit”

Metals

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DUPLICATE SAMPLE SUMMARY

Client: LB91986 **Level:** LOW **SDG No.:** LB91986
Contract: **Lab Code:** CHEM **Case No.:** LB91986 **SAS No.:** LB91986
Matrix: Solid **Sample ID:** I6710-01 **Client ID:** MBE186D
Percent Solids for Sample: 94.5 **Duplicate ID** I6710-02 **Percent Solids for Spike Sample:** 94.5

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/kg	20	0.52	U		0	U		CN

Metals
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SAMPLE PREPARATION SUMMARY

Client:	LB91986	SDG No.:	LB91986		
Contract:		Lab Code:	CHEM	Method:	
		Case No.:	LB91986	SAS No.:	LB91986

						Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Sample ID	Client ID	Sample Type	Matrix	Prep Date				
Batch Number: PB104681								
PB104681BL	PBW005	MB	WATER	12/06/2017		50.0	50.0	
I6687-04	MC0AF5	SAM	WATER	12/06/2017		50.0	50.0	
I6687-01	MC0AF4	SAM	WATER	12/06/2017		50.0	50.0	
I6687-02	MC0AF4D	DUP	WATER	12/06/2017		50.0	50.0	
I6687-03	MC0AF4S	MS	WATER	12/06/2017		50.0	50.0	



Metals
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SAMPLE PREPARATION SUMMARY

Client: LB91986 SDG No.: LB91986
Contract: Lab Code: CHEM Method:
Case No.: LB91986 SAS No.: LB91986

					Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Sample ID	Client ID	Sample Type	Matrix	Prep Date			
Batch Number: PB104745							
PB104745BL	PBS006	MB	SOLID	12/06/2017	1.01	50.0	100.00
I6710-01	MBE186	SAM	SOLID	12/06/2017	1.02	50.0	94.50
I6710-02	MBE186D	DUP	SOLID	12/06/2017	1.04	50.0	94.50
I6710-03	MBE186S	MS	SOLID	12/06/2017	1.05	50.0	94.50
I6710-04	MBE187	SAM	SOLID	12/06/2017	1.03	50.0	96.60
I6710-05	MBE188	SAM	SOLID	12/06/2017	1.05	50.0	89.70
I6710-06	MBE189	SAM	SOLID	12/06/2017	1.03	50.0	92.60
I6710-07	MBE190	SAM	SOLID	12/06/2017	1.02	50.0	95.20
I6710-08	MBE191	SAM	SOLID	12/06/2017	1.05	50.0	93.60
I6710-09	MBE192	SAM	SOLID	12/06/2017	1.02	50.0	91.40
I6710-10	MBE193	SAM	SOLID	12/06/2017	1.06	50.0	93.80
I6710-11	MBE194	SAM	SOLID	12/06/2017	1.03	50.0	90.20
I6710-12	MBE195	SAM	SOLID	12/06/2017	1.01	50.0	92.60
I6710-13	MBE196	SAM	SOLID	12/06/2017	1.04	50.0	90.50
I6710-14	MBE197	SAM	SOLID	12/06/2017	1.02	50.0	94.20
I6710-15	MBE198	SAM	SOLID	12/06/2017	1.04	50.0	87.50
I6710-16	MBE199	SAM	SOLID	12/06/2017	1.07	50.0	95.00
I6710-17	MBE1A0	SAM	SOLID	12/06/2017	1.03	50.0	92.50
I6710-18	MBE1A1	SAM	SOLID	12/06/2017	1.02	50.0	92.00
I6710-19	MBE1A2	SAM	SOLID	12/06/2017	1.01	50.0	95.50
I6710-20	MBE1A3	SAM	SOLID	12/06/2017	1.03	50.0	93.00
I6710-21	MBE1A4	SAM	SOLID	12/06/2017	1.04	50.0	75.70



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

[illegible]

FORM 15-IN
INITIAL CALIBRATION

Lab Name: LB91986 Contract: _____
Lab Code: CHEM Case No.: LB91986 MA No.: _____ SDG No.: LB91986
Instrument ID: CN Start Date: 12/06/2017
Analytical Method: _____ Run Batch: LB91986.mdb
Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Cyanide	0	0	0	5	4.3	-14	10	9.6	-4

FORM 15-IN
INITIAL CALIBRATION

Lab Name: LB91986 Contract: _____
Lab Code: CHEM Case No.: LB91986 MA No.: _____ SDG No.: LB91986
Instrument ID: CN Start Date: 12/06/2017
Analytical Method: _____ Run Batch: LB91986.mdb
Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Cyanide	100	101	1	250	252	1	500	499	0