

Daily Analysis Runlog For Sequence/QC Batch ID # LB90498

Review By		Review On				
SubDirectory		LB90498		Test : Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP58411,WP58410,WP58409,WP58408,WP58407,WP58406				
ICV Standard		wp58412				
CCV Standard		wp58413				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP53945,WP55836,WP58463				
Sr#	SampleId	ClientID	QcType	Date	Comment	Status
1	S0.0	S0.0	CAL1	10/02/17 16:01		OK
2	S5.0	S5.0	CAL2	10/02/17 16:01		OK
3	S10.0	S10.0	CAL3	10/02/17 16:01		OK
4	S100.0	S100.0	CAL4	10/02/17 16:01		OK
5	S250.0	S250.0	CAL5	10/02/17 16:01		OK
6	S500.0	S500.0	CAL6	10/02/17 16:01		OK
7	ICV	ICV	ICV	10/02/17 16:36		OK
8	ICB	ICB	ICB	10/02/17 16:36		OK
9	CCV001	CCV001	CCV	10/02/17 16:36		OK
10	CCB001	CCB001	CCB	10/02/17 16:36		OK
11	PB102743BL	PBS006	MB	10/02/17 16:36		OK
12	I5490-01	B-43(0-1)-092617	SAM	10/02/17 16:36		OK
13	I5490-01DUP	B-43(0-1)-092617D	DUP	10/02/17 16:36		OK
14	I5490-01MS	B-43(0-1)-092617S	MS	10/02/17 16:36		OK
15	I5490-02	B-43(5-7)-092617	SAM	10/02/17 16:43		OK
16	I5490-03	B-70(0-1)-092717	SAM	10/02/17 16:43		OK
17	I5490-04	B-70(5-7)-092717	SAM	10/02/17 16:43		OK
18	I5490-05	B-69(0-1)-092717	SAM	10/02/17 16:43		OK
19	I5490-06	B-69(1-3)-092717	SAM	10/02/17 16:43		OK
20	I5490-07	B-41(5-7)-092717	SAM	10/02/17 16:43		OK
21	I5490-08	B-40(5-7)-092717	SAM	10/02/17 16:43		OK

Daily Analysis Runlog For Sequence/QC Batch ID # LB90498

Review By		Review On				
SubDirectory		LB90498		Test : Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP58411,WP58410,WP58409,WP58408,WP58407,WP58406				
ICV Standard		wp58412				
CCV Standard		wp58413				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP53945,WP55836,WP58463				
22	I5490-09	B-58(1-2)-092717	SAM	10/02/17 16:43		OK
23	I5490-10	B-58(6-8)-092717	SAM	10/02/17 16:43		OK
24	PB102744BL	PBW005	MB	10/02/17 16:43		OK
25	I5490-11	EQB-1-092717	SAM	10/02/17 16:43		OK
26	I5490-11DUP	EQB-1-092717D	DUP	10/02/17 16:51		OK
27	I5490-11MS	EQB-1-092717S	MS	10/02/17 16:51		OK
28	PB102784BL	PBS006	MB	10/02/17 16:51		OK
29	I5568-01	B-53(1-3)-092817	SAM	10/02/17 16:51		OK
30	I5568-01DUP	B-53(1-3)-092817D	DUP	10/02/17 16:51		OK
31	I5568-01MS	B-53(1-3)-092817S	MS	10/02/17 16:51		OK
32	I5568-02	B-51(1-2)-092817	SAM	10/02/17 16:51		OK
33	I5568-03	B-51(5-7)-092817	SAM	10/02/17 16:51		OK
34	I5568-04	B-75(0-1)-092917	SAM	10/02/17 16:51		OK
35	I5568-05	B-75(1-3)-092917	SAM	10/02/17 16:51		OK
36	I5568-06	B-29(0-1)-092917	SAM	10/02/17 16:51		OK
37	I5568-07	B-29(1-3)-092917	SAM	10/02/17 16:55		OK
38	CCV002	CCV002	CCV	10/02/17 16:55		OK
39	CCB002	CCB002	CCB	10/02/17 16:55		OK



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Report of Analysis

Client:		Date Collected:	9/26/2017 12:00:00 AM
Project:	LB90498	Date Received:	9/27/2017 12:00:00 AM
Client Sample ID:	B-43(0-1)-092617	SDG No.:	LB90498
Lab Sample ID:	I5490-01	Matrix:	Solid
Level (low/med):	low	% Solid:	92.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.063	J	1	0.058	0.013	0.52	mg/kg	09/29/2017	10/02/2017	ISM02.4_CN



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Report of Analysis

Client:		Date Collected:	9/26/2017 12:00:00 AM
Project:	LB90498	Date Received:	9/27/2017 12:00:00 AM
Client Sample ID:	B-43(5-7)-092617	SDG No.:	LB90498
Lab Sample ID:	I5490-02	Matrix:	Solid
Level (low/med):	low	% Solid:	88.5

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	0.54	mg/kg	09/29/2017	10/02/2017	ISM02.4_CN



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Report of Analysis

Client:		Date Collected:	9/27/2017 12:00:00 AM
Project:	LB90498	Date Received:	9/27/2017 12:00:00 AM
Client Sample ID:	B-70(0-1)-092717	SDG No.:	LB90498
Lab Sample ID:	I5490-03	Matrix:	Solid
Level (low/med):	low	% Solid:	95.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.072	J	1	0.055	0.013	0.5	mg/kg	09/29/2017	10/02/2017	ISM02.4_CN



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Report of Analysis

Client:		Date Collected:	9/27/2017 12:00:00 AM
Project:	LB90498	Date Received:	9/27/2017 12:00:00 AM
Client Sample ID:	B-70(5-7)-092717	SDG No.:	LB90498
Lab Sample ID:	I5490-04	Matrix:	Solid
Level (low/med):	low	% Solid:	82.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.17	J	1	0.064	0.015	0.58	mg/kg	09/29/2017	10/02/2017	ISM02.4_CN



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Report of Analysis

Client:		Date Collected:	9/27/2017 12:00:00 AM
Project:	LB90498	Date Received:	9/27/2017 12:00:00 AM
Client Sample ID:	B-69(0-1)-092717	SDG No.:	LB90498
Lab Sample ID:	I5490-05	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	0.055	0.013	0.5	mg/kg	09/29/2017	10/02/2017	ISM02.4_CN



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Report of Analysis

Client:		Date Collected:	9/27/2017 12:00:00 AM
Project:	LB90498	Date Received:	9/27/2017 12:00:00 AM
Client Sample ID:	B-69(1-3)-092717	SDG No.:	LB90498
Lab Sample ID:	I5490-06	Matrix:	Solid
Level (low/med):	low	% Solid:	96.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.11	J	1	0.055	0.013	0.5	mg/kg	09/29/2017	10/02/2017	ISM02.4_CN



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Report of Analysis

Client:		Date Collected:	9/27/2017 12:00:00 AM
Project:	LB90498	Date Received:	9/27/2017 12:00:00 AM
Client Sample ID:	B-41(5-7)-092717	SDG No.:	LB90498
Lab Sample ID:	I5490-07	Matrix:	Solid
Level (low/med):	low	% Solid:	90.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	3.8		1	0.058	0.013	0.53	mg/kg	09/29/2017	10/02/2017	ISM02.4_CN



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Report of Analysis

Client:		Date Collected:	9/27/2017 12:00:00 AM
Project:	LB90498	Date Received:	9/27/2017 12:00:00 AM
Client Sample ID:	B-40(5-7)-092717	SDG No.:	LB90498
Lab Sample ID:	I5490-08	Matrix:	Solid
Level (low/med):	low	% Solid:	77.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	2.6		1	0.069	0.016	0.63	mg/kg	09/29/2017	10/02/2017	ISM02.4_CN



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Report of Analysis

Client:		Date Collected:	9/27/2017 12:00:00 AM
Project:	LB90498	Date Received:	9/27/2017 12:00:00 AM
Client Sample ID:	B-58(1-2)-092717	SDG No.:	LB90498
Lab Sample ID:	I5490-09	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	0.24	J	1	0.06	0.014	0.55	mg/kg	09/29/2017	10/02/2017	ISM02.4_CN



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Report of Analysis

Client:		Date Collected:	9/27/2017 12:00:00 AM
Project:	LB90498	Date Received:	9/27/2017 12:00:00 AM
Client Sample ID:	B-58(6-8)-092717	SDG No.:	LB90498
Lab Sample ID:	I5490-10	Matrix:	Solid
Level (low/med):	low	% Solid:	84.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.01	U	1	0.062	0.014	0.57	mg/kg	09/29/2017	10/02/2017	ISM02.4_CN



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Report of Analysis

Client:		Date Collected:	9/27/2017 12:00:00 AM
Project:	LB90498	Date Received:	9/27/2017 12:00:00 AM
Client Sample ID:	EQB-1-092717	SDG No.:	LB90498
Lab Sample ID:	I5490-11	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	09/29/2017	10/02/2017	ISM02.4_CN



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Report of Analysis

Client:		Date Collected:	9/28/2017 12:00:00 AM
Project:	LB90498	Date Received:	9/29/2017 12:00:00 AM
Client Sample ID:	B-53(1-3)-092817	SDG No.:	LB90498
Lab Sample ID:	I5568-01	Matrix:	Solid
Level (low/med):	low	% Solid:	84.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.3	J	1	0.063	0.014	0.57	mg/kg	10/02/2017	10/02/2017	ISM02.4_CN



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Report of Analysis

Client:		Date Collected:	9/28/2017 12:00:00 AM
Project:	LB90498	Date Received:	9/29/2017 12:00:00 AM
Client Sample ID:	B-51(1-2)-092817	SDG No.:	LB90498
Lab Sample ID:	I5568-02	Matrix:	Solid
Level (low/med):	low	% Solid:	94.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.14	J	1	0.056	0.013	0.51	mg/kg	10/02/2017	10/02/2017	ISM02.4_CN



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Report of Analysis

Client:		Date Collected:	9/28/2017 12:00:00 AM
Project:	LB90498	Date Received:	9/29/2017 12:00:00 AM
Client Sample ID:	B-51(5-7)-092817	SDG No.:	LB90498
Lab Sample ID:	I5568-03	Matrix:	Solid
Level (low/med):	low	% Solid:	82.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.036	U	1	0.063	0.014	0.58	mg/kg	10/02/2017	10/02/2017	ISM02.4_CN



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Report of Analysis

Client:		Date Collected:	9/29/2017 12:00:00 AM
Project:	LB90498	Date Received:	9/29/2017 12:00:00 AM
Client Sample ID:	B-75(0-1)-092917	SDG No.:	LB90498
Lab Sample ID:	I5568-04	Matrix:	Solid
Level (low/med):	low	% Solid:	96.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.075	J	1	0.055	0.012	0.5	mg/kg	10/02/2017	10/02/2017	ISM02.4_CN



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Report of Analysis

Client:		Date Collected:	9/29/2017 12:00:00 AM
Project:	LB90498	Date Received:	9/29/2017 12:00:00 AM
Client Sample ID:	B-75(1-3)-092917	SDG No.:	LB90498
Lab Sample ID:	I5568-05	Matrix:	Solid
Level (low/med):	low	% Solid:	79.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.12	J	1	0.066	0.015	0.6	mg/kg	10/02/2017	10/02/2017	ISM02.4_CN



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Report of Analysis

Client:		Date Collected:	9/29/2017 12:00:00 AM
Project:	LB90498	Date Received:	9/29/2017 12:00:00 AM
Client Sample ID:	B-29(0-1)-092917	SDG No.:	LB90498
Lab Sample ID:	I5568-06	Matrix:	Solid
Level (low/med):	low	% Solid:	86

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.58		1	0.061	0.014	0.56	mg/kg	10/02/2017	10/02/2017	ISM02.4_CN



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Report of Analysis

Client:		Date Collected:	9/29/2017 12:00:00 AM
Project:	LB90498	Date Received:	9/29/2017 12:00:00 AM
Client Sample ID:	B-29(1-3)-092917	SDG No.:	LB90498
Lab Sample ID:	I5568-07	Matrix:	Solid
Level (low/med):	low	% Solid:	86.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.39	J	1	0.062	0.014	0.56	mg/kg	10/02/2017	10/02/2017	ISM02.4_CN



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Report of Analysis

Client:		Date Collected:	9/29/2017 12:00:00 AM
Project:	LB90498	Date Received:	9/29/2017 12:00:00 AM
Client Sample ID:	B-29(1-3)-092917	SDG No.:	LB90498
Lab Sample ID:	I5568-07	Matrix:	Solid
Level (low/med):	low	% Solid:	86.1

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**- 2a -****INITIAL AND CONTINUING CALIBRATION VERIFICATION****Client:** LB90498**SDG No.:** LB90498**Contract:** _____**Lab Code:** CHEM**Case No.:** LB90498**SAS No.:** LB90498**Initial Calibration Source:** _____**Continuing Calibration Source:** _____

Sample ID	Analyte	Result	True Value	% Recovery	% RSD	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
		ug/L								
ICV	Cyanide	97.2	99	98	0	85 - 115	CN	10/02/2017	16:36	LB90498



Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB90498

SDG No.: LB90498

Contract: _____ Lab Code: CHEM

Case No.: LB90498

SAS No.: LB90498

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	240	250	96	0	85 - 115	CN	10/02/2017	16:36	LB90498
CCV002	Cyanide	258	250	103	0	85 - 115	CN	10/02/2017	16:55	LB90498



Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB90498 **SDG No.:** LB90498
Contract: **Lab Code:** CHEM **Case No.:** LB90498 **SAS No.:** LB90498

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB	Cyanide	0.57	+/-10.0	U	5.0	10.0	CN	10/02/2017	16:36	LB90498



Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB90498

SDG No.: LB90498

Contract:

Lab Code: CHEM

Case No.: LB90498

SAS No.: LB90498

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	10/02/2017	16:36	LB90498
CCB002	Cyanide	0.12	+/-10.0	U	5.0	10.0	CN	10/02/2017	16:55	LB90498



Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB90498

SDG No.: LB90498

Contract: Lab Code: CHEM

Case No.: LB90498

SAS No.: LB90498

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: LB90498

SDG No.: LB90498

Instrument: CN

Sample ID	Analyte	Result (mg/kg)	Acceptance Limit	Conc Qual	LOD mg/kg	CRQL mg/kg	M	Analysis Date	Analysis Time	Run
PB102743BL	SOLID		Batch Number:		PB102743		Prep Date:		09/29/2017	
	Cyanide	0.053	<0.49	U	0.012	0.49	CN	10/02/2017	16:36	LB90498
Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	LOD ug/L	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB102744BL	WATER		Batch Number:		PB102744		Prep Date:		09/29/2017	
	Cyanide	1.5	<10	U	5.0	10	CN	10/02/2017	16:43	LB90498
Sample ID	Analyte	Result (mg/kg)	Acceptance Limit	Conc Qual	LOD mg/kg	CRQL mg/kg	M	Analysis Date	Analysis Time	Run
PB102784BL	SOLID		Batch Number:		PB102784		Prep Date:		10/02/2017	
	Cyanide	0.053	<0.49	U	0.012	0.49	CN	10/02/2017	16:51	LB90498



metals
- 5a -
MATRIX SPIKE SUMMARY

client: LB90498 level: low sdg no.: LB90498
contract: lab code: CHEM case no.: LB90498 sas no.: LB90498
matrix: Solid sample id: I5490-01 client id: B-43(0-1)-092617MS
Percent Solids for Sample: 92.8 Spiked ID: I5490-01MS Percent Solids for Spike Sample: 92.8

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/kg	75 - 125	5.0		0.063	J	5.3	92		CN



metals
- 5a -
MATRIX SPIKE SUMMARY

client: LB90498 level: low sdg no.: LB90498
contract: lab code: CHEM case no.: LB90498 sas no.: LB90498
matrix: WATER sample id: I5490-11 client id: EQB-1-092717MS
Percent Solids for Sample: 0 Spiked ID: I5490-11MS 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	79.4		10.0	U	100	79		CN



metals
- 5a -
MATRIX SPIKE SUMMARY

client: LB90498 level: low sdg no.: LB90498
contract: lab code: CHEM case no.: LB90498 sas no.: LB90498
matrix: Solid sample id: I5568-01 client id: B-53(1-3)-092817MS
Percent Solids for Sample: 84.4 Spiked ID: I5568-01MS Percent Solids for Spike Sample: 84.4

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/kg	75 - 125	5.3		0.3	J	5.8	86		CN

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB90498 **Level:** LOW **SDG No.:** LB90498
Contract: **Lab Code:** CHEM **Case No.:** LB90498 **SAS No.:** LB90498
Matrix: Solid **Sample ID:** I5490-01 **Client ID:** B-43(0-1)-092617DUP
Percent Solids for Sample: 92.8 **Duplicate ID** I5490-01DUP **Percent Solids for Spike Sample:** 92.8

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/kg	20	0.063	J	0.059	J	7		CN

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB90498 **Level:** LOW **SDG No.:** LB90498
Contract: **Lab Code:** CHEM **Case No.:** LB90498 **SAS No.:** LB90498
Matrix: WATER **Sample ID:** I5490-11 **Client ID:** EQB-1-092717DUP
Percent Solids for Sample: 0 **Duplicate ID** I5490-11DUP **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	0.12	U			CN

Metals

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DUPLICATE SAMPLE SUMMARY

Client: LB90498 **Level:** LOW **SDG No.:** LB90498
Contract: **Lab Code:** CHEM **Case No.:** LB90498 **SAS No.:** LB90498
Matrix: Solid **Sample ID:** I5568-01 **Client ID:** B-53(1-3)-092817DUP
Percent Solids for Sample: 84.4 **Duplicate ID** I5568-01DUP **Percent Solids for Spike Sample:** 84.4

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/kg	20	0.3	J	0.32	J	6		CN



Hit Summary Sheet
SW-846

SDG No.: LB90498

Order ID: LB90498

Client: LB90498

Project ID: LB90498

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID : I5490-01	B-43(0-1)-092617 B-43(0-1)-092617	Solid	Cyanide	0.063	J	0.058	0.26	0.52	mg/kg
Client ID : I5490-03	B-70(0-1)-092717 B-70(0-1)-092717	Solid	Cyanide	0.072	J	0.055	0.25	0.5	mg/kg
Client ID : I5490-04	B-70(5-7)-092717 B-70(5-7)-092717	Solid	Cyanide	0.170	J	0.064	0.29	0.58	mg/kg
Client ID : I5490-06	B-69(1-3)-092717 B-69(1-3)-092717	Solid	Cyanide	0.110	J	0.055	0.25	0.5	mg/kg
Client ID : I5490-07	B-41(5-7)-092717 B-41(5-7)-092717	Solid	Cyanide	3.800		0.058	0.265	0.53	mg/kg
Client ID : I5490-08	B-40(5-7)-092717 B-40(5-7)-092717	Solid	Cyanide	2.600		0.069	0.315	0.63	mg/kg
Client ID : I5490-09	B-58(1-2)-092717 B-58(1-2)-092717	Solid	Cyanide	0.240	J	0.06	0.275	0.55	mg/kg
Client ID : I5568-01	B-53(1-3)-092817 B-53(1-3)-092817	Solid	Cyanide	0.300	J	0.063	0.285	0.57	mg/kg
Client ID : I5568-02	B-51(1-2)-092817 B-51(1-2)-092817	Solid	Cyanide	0.140	J	0.056	0.255	0.51	mg/kg
Client ID : I5568-04	B-75(0-1)-092917 B-75(0-1)-092917	Solid	Cyanide	0.075	J	0.055	0.25	0.5	mg/kg
Client ID : I5568-05	B-75(1-3)-092917 B-75(1-3)-092917	Solid	Cyanide	0.120	J	0.066	0.3	0.6	mg/kg
Client ID : I5568-06	B-29(0-1)-092917 B-29(0-1)-092917	Solid	Cyanide	0.580		0.061	0.28	0.56	mg/kg
Client ID : I5568-07	B-29(1-3)-092917 B-29(1-3)-092917	Solid	Cyanide	0.390	J	0.062	0.28	0.56	mg/kg



Metals
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Client: LB90498

SDG No.: LB90498

Contract:

Lab Code: CHEM

Case No.: LB90498

SAS No.: LB90498

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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Metals
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SAMPLE PREPARATION SUMMARY

Client: LB90498 SDG No.: LB90498
Contract: Lab Code: CHEM Method:
Case No.: LB90498 SAS No.: LB90498

					Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Sample ID	Client ID	Sample Type	Matrix	Prep Date			
Batch Number: PB102743							
PB102743BL	PBS006	MB	SOLID	10/02/2017	1.03	50.0	100.00
I5490-01	B-43(0-1)-092617	SAM	SOLID	10/02/2017	1.03	50.0	92.80
I5490-01DUP	B-43(0-1)-092617D	DUP	SOLID	10/02/2017	1.02	50.0	92.80
I5490-01MS	B-43(0-1)-092617S	MS	SOLID	10/02/2017	1.02	50.0	92.80
I5490-02	B-43(5-7)-092617	SAM	SOLID	10/02/2017	1.04	50.0	88.50
I5490-03	B-70(0-1)-092717	SAM	SOLID	10/02/2017	1.05	50.0	95.10
I5490-04	B-70(5-7)-092717	SAM	SOLID	10/02/2017	1.04	50.0	82.60
I5490-05	B-69(0-1)-092717	SAM	SOLID	10/02/2017	1.05	50.0	95.00
I5490-06	B-69(1-3)-092717	SAM	SOLID	10/02/2017	1.03	50.0	96.40
I5490-07	B-41(5-7)-092717	SAM	SOLID	10/02/2017	1.04	50.0	90.80
I5490-08	B-40(5-7)-092717	SAM	SOLID	10/02/2017	1.03	50.0	77.20
I5490-09	B-58(1-2)-092717	SAM	SOLID	10/02/2017	1.05	50.0	86.60
I5490-10	B-58(6-8)-092717	SAM	SOLID	10/02/2017	1.04	50.0	84.90

Metals
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SAMPLE PREPARATION SUMMARY

Client: LB90498

SDG No.: LB90498

Contract:

Lab Code: CHEM

Method:

Case No.: LB90498

SAS No.: LB90498

						Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Sample ID	Client ID	Sample Type	Matrix	Prep Date				
Batch Number: PB102744								
PB102744BL	PBW005	MB	WATER	10/02/2017		50.0	50.0	
I5490-11	EQB-1-092717	SAM	WATER	10/02/2017		50.0	50.0	
I5490-11DUP	EQB-1-092717D	DUP	WATER	10/02/2017		50.0	50.0	
I5490-11MS	EQB-1-092717S	MS	WATER	10/02/2017		50.0	50.0	

Metals
- 13 -

SAMPLE PREPARATION SUMMARY

Client: <u>LB90498</u>	SDG No.: <u>LB90498</u>	
Contract: _____	Lab Code: <u>CHEM</u>	Method: _____
	Case No.: <u>LB90498</u>	SAS No.: <u>LB90498</u>

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB102784							
PB102784BL	PBS006	MB	SOLID	10/02/2017	1.03	50.0	100.00
I5568-01	B-53(1-3)-092817	SAM	SOLID	10/02/2017	1.03	50.0	84.40
I5568-01DUP	B-53(1-3)-092817D	DUP	SOLID	10/02/2017	1.02	50.0	84.40
I5568-01MS	B-53(1-3)-092817S	MS	SOLID	10/02/2017	1.02	50.0	84.40
I5568-02	B-51(1-2)-092817	SAM	SOLID	10/02/2017	1.04	50.0	94.90
I5568-03	B-51(5-7)-092817	SAM	SOLID	10/02/2017	1.05	50.0	82.70
I5568-04	B-75(0-1)-092917	SAM	SOLID	10/02/2017	1.04	50.0	96.30
I5568-05	B-75(1-3)-092917	SAM	SOLID	10/02/2017	1.05	50.0	79.20
I5568-06	B-29(0-1)-092917	SAM	SOLID	10/02/2017	1.04	50.0	86.00
I5568-07	B-29(1-3)-092917	SAM	SOLID	10/02/2017	1.03	50.0	86.10



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

[illegible]