

Daily Analysis Runlog For Sequence/QC Batch ID # LB85546

Review By		Review On				
SubDirectory		LB85546		Test : Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP52423,WP52422,WP52421,WP52420,WP52419,WP52418				
ICV Standard		WP52424				
CCV Standard		WP52425				
ICSA Standard						
CRI Standard						
LCS Standard						
Chk Standard		WP52492,WP50159,WP51626,WP51216				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	S0.0	S0.0	CAL1	01/27/17 10:43		OK
2	S5.0	S5.0	CAL2	01/27/17 10:43		OK
3	S10.0	S10.0	CAL3	01/27/17 10:43		OK
4	S100.0	S100.0	CAL4	01/27/17 10:43		OK
5	S250.0	S250.0	CAL5	01/27/17 10:43		OK
6	S500.0	S500.0	CAL6	01/27/17 10:43		OK
7	ICV	ICV	ICV	01/27/17 11:16		OK
8	ICB	ICB	ICB	01/27/17 11:16		OK
9	CCV001	CCV001	CCV	01/27/17 11:16		OK
10	CCB001	CCB001	CCB	01/27/17 11:16		OK
11	PB96327BL	PBW005	MB	01/27/17 11:16		OK
12	I1390-12	MBDN54	SAM	01/27/17 11:16		OK
13	I1390-13	MBDN55	SAM	01/27/17 11:16		OK
14	I1390-14	MBDN56	SAM	01/27/17 11:16		OK
15	CCV002	CCV002	CCV	01/27/17 11:16		OK
16	CCB002	CCB002	CCB	01/27/17 11:16		OK

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

Client: LB85546 **SDG No.:** LB85546
Contract: **Lab Code:** CHEM **Case No.:** LB85546 **SAS No.:** LB85546
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	92.0	99	93	0	85 - 115	CN	01/27/2017	11:16	LB85546



Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB85546

SDG No.: LB85546

Contract: _____ Lab Code: CHEM

Case No.: LB85546

SAS No.: LB85546

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	233	250	93	0	85 - 115	CN	01/27/2017	11:16	LB85546
CCV002	Cyanide	234	250	94	0	85 - 115	CN	01/27/2017	11:16	LB85546



Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB85546 **SDG No.:** LB85546
Contract: **Lab Code:** CHEM **Case No.:** LB85546 **SAS No.:** LB85546

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB	Cyanide	0.67	+/-10.0	U	5.0	10.0	CN	01/27/2017	11:16	LB85546



Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB85546

SDG No.: LB85546

Contract:

Lab Code: CHEM

Case No.: LB85546

SAS No.: LB85546

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB001	Cyanide	0.73	+/-10.0	U	5.0	10.0	CN	01/27/2017	11:16	LB85546
CCB002	Cyanide	0.6	+/-10.0	U	5.0	10.0	CN	01/27/2017	11:16	LB85546



Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB85546

SDG No.: LB85546

Contract: Lab Code: CHEM

Case No.: LB85546

SAS No.: LB85546

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:	1/18/2017 12:00:00 AM
Project:	LB85546	Date Received:	1/21/2017 12:00:00 AM
Client Sample ID:	MBDN54	SDG No.:	LB85546
Lab Sample ID:	I1390-12	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	0.66	U	1	1.5	5	10	ug/L	01/25/2017	01/27/2017	ISM02.2_CN



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Report of Analysis

Client:		Date Collected:	1/19/2017 12:00:00 AM
Project:	LB85546	Date Received:	1/21/2017 12:00:00 AM
Client Sample ID:	MBDN55	SDG No.:	LB85546
Lab Sample ID:	I1390-13	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	3.8	J	1	1.5	5	10	ug/L	01/25/2017	01/27/2017	ISM02.2_CN



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Report of Analysis

Client:		Date Collected:	1/20/2017 12:00:00 AM
Project:	LB85546	Date Received:	1/21/2017 12:00:00 AM
Client Sample ID:	MBDN56	SDG No.:	LB85546
Lab Sample ID:	I1390-14	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	0.85	U	1	1.5	5	10	ug/L	01/25/2017	01/27/2017	ISM02.2_CN



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Report of Analysis

Client:		Date Collected:	1/20/2017 12:00:00 AM
Project:	LB85546	Date Received:	1/21/2017 12:00:00 AM
Client Sample ID:	MBDN56	SDG No.:	LB85546
Lab Sample ID:	I1390-14	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



Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: LB85546

SDG No.: LB85546

Instrument: CN

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	LOD ug/L	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB96327BL	Cyanide	0.83	<10	U	5.0	10	CN	01/27/2017	11:16	LB85546
		WATER		Batch Number:	PB96327			Prep Date:	01/25/2017	



Metals
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SAMPLE PREPARATION SUMMARY

Client: LB85546 **SDG No.:** LB85546
Contract: **Lab Code:** CHEM **Method:**
Case No.: LB85546 **SAS No.:** LB85546

						Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Sample ID	Client ID	Sample Type	Matrix	Prep Date				
Batch Number: PB96327								
PB96327BL	PBW005	MB	WATER	01/27/2017		50.0	50.0	
I1390-12	MBDN54	SAM	WATER	01/27/2017		50.0	50.0	
I1390-13	MBDN55	SAM	WATER	01/27/2017		50.0	50.0	
I1390-14	MBDN56	SAM	WATER	01/27/2017		50.0	50.0	