

Daily Analysis Runlog For Sequence/QC Batch ID # LB85257

Review By		Review On				
SubDirectory		LB85257		Test : Cyanide		

STD. NAME	STD REF.#
ICAL Standard	WP51981,WP51980,WP51979,WP51978,WP51977,WP51976
ICV Standard	WP51982
CCV Standard	WP51984
ICSA Standard	
CRI Standard	
LCS Standard	
Chk Standard	WP50159,WP52034,WP51626,WP51615

Sr#	SampleId	ClientID	QcType	Date	Comment	Status
1	S0.0	S0.0	CAL1	01/10/17 11:14		OK
2	S5.0	S5.0	CAL2	01/10/17 11:14		OK
3	S10.0	S10.0	CAL3	01/10/17 11:14		OK
4	S100.0	S100.0	CAL4	01/10/17 11:14		OK
5	S250.0	S250.0	CAL5	01/10/17 11:14		OK
6	S500.0	S500.0	CAL6	01/10/17 11:14		OK
7	ICV	ICV	ICV	01/10/17 11:43		OK
8	ICB	ICB	ICB	01/10/17 11:43		OK
9	CCV001	CCV001	CCV	01/10/17 11:43		OK
10	CCB001	CCB001	CCB	01/10/17 11:43		OK
11	PB95843BL	PBW005	MB	01/10/17 11:43		OK
12	I1076-02	MESWT2	SAM	01/10/17 11:43		OK
13	I1076-08	MESWT4	SAM	01/10/17 11:43		OK
14	I1076-09	MESWT4D	DUP	01/10/17 11:43		OK
15	I1076-10	MESWT4S	MS	01/10/17 11:43		OK
16	I1076-04	MESWT3	SAM	01/10/17 12:12		OK
17	I1076-12	MESWT7	SAM	01/10/17 12:12		OK
18	CCV002	CCV002	CCV	01/10/17 12:12		OK
19	CCB002	CCB002	CCB	01/10/17 12:13		OK



Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB85257

SDG No.: LB85257Contract: _____ Lab Code: CHEM

Case No.: LB85257

SAS No.: LB85257

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	95.4	99	96	0	85 - 115	CN	01/10/2017	11:43	LB85257



Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB85257

SDG No.: LB85257

Contract: _____ Lab Code: CHEM

Case No.: LB85257

SAS No.: LB85257

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	236	250	94	0	85 - 115	CN	01/10/2017	11:43	LB85257
CCV002	Cyanide	250	250	100	0	85 - 115	CN	01/10/2017	12:12	LB85257



Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB85257 **SDG No.:** LB85257
Contract: **Lab Code:** CHEM **Case No.:** LB85257 **SAS No.:** LB85257

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB	Cyanide	2.6	+/-10.0	J	5.0	10.0	CN	01/10/2017	11:43	LB85257



Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB85257 **SDG No.:** LB85257
Contract: **Lab Code:** CHEM **Case No.:** LB85257 **SAS No.:** LB85257

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB001	Cyanide	2.6	+/-10.0	J	5.0	10.0	CN	01/10/2017	11:43	LB85257
CCB002	Cyanide	1.9	+/-10.0	J	5.0	10.0	CN	01/10/2017	12:13	LB85257



Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB85257

SDG No.: LB85257

Contract: Lab Code: CHEM

Case No.: LB85257

SAS No.: LB85257

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:	12/31/2016 12:00:00 AM
Project:	LB85257	Date Received:	1/4/2017 12:00:00 AM
Client Sample ID:	MESWT2	SDG No.:	LB85257
Lab Sample ID:	I1076-02	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	1.3	U	1	1.5	5	10	ug/L	01/09/2017	01/10/2017	ISM02.2_CN



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Report of Analysis

Client:		Date Collected:	12/31/2016 12:00:00 AM
Project:	LB85257	Date Received:	1/4/2017 12:00:00 AM
Client Sample ID:	MESWT3	SDG No.:	LB85257
Lab Sample ID:	I1076-04	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	0.46	U	1	1.5	5	10	ug/L	01/09/2017	01/10/2017	ISM02.2_CN



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Report of Analysis

Client:		Date Collected:	12/31/2016 12:00:00 AM
Project:	LB85257	Date Received:	1/4/2017 12:00:00 AM
Client Sample ID:	MESWT4	SDG No.:	LB85257
Lab Sample ID:	I1076-08	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	1.6	J	1	1.5	5	10	ug/L	01/09/2017	01/10/2017	ISM02.2_CN



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Report of Analysis

Client:		Date Collected:	12/31/2016 12:00:00 AM
Project:	LB85257	Date Received:	1/4/2017 12:00:00 AM
Client Sample ID:	MESWT7	SDG No.:	LB85257
Lab Sample ID:	I1076-12	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	1.1	U	1	1.5	5	10	ug/L	01/09/2017	01/10/2017	ISM02.2_CN



Report of Analysis

Client:		Date Collected:	12/31/2016 12:00:00 AM
Project:	LB85257	Date Received:	1/4/2017 12:00:00 AM
Client Sample ID:	MESWT7	SDG No.:	LB85257
Lab Sample ID:	I1076-12	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
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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: LB85257

SDG No.: LB85257

Instrument: CN

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	LOD ug/L	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB95843BL	Cyanide	2.2	<10	J	5.0	10	CN	01/10/2017	11:43	LB85257
		WATER		Batch Number:	PB95843			Prep Date:	01/09/2017	



metals
- 5a -
MATRIX SPIKE SUMMARY

client: LB85257 level: low sdg no.: LB85257
contract: lab code: CHEM case no.: LB85257 sas no.: LB85257
matrix: WATER sample id: I1076-08 client id: MESWT4S
Percent Solids for Sample: 0 Spiked ID: I1076-10 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	78.2		1.6	J	100	77		CN

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB85257 **Level:** LOW **SDG No.:** LB85257
Contract: **Lab Code:** CHEM **Case No.:** LB85257 **SAS No.:** LB85257
Matrix: WATER **Sample ID:** I1076-08 **Client ID:** MESWT4D
Percent Solids for Sample: 0 **Duplicate ID** I1076-09 **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	ug/L	20	1.6	J	0.68	U	200.0		CN



Metals
- 13 -

SAMPLE PREPARATION SUMMARY

Client: LB85257 **SDG No.:** LB85257
Contract: **Lab Code:** CHEM **Method:**
Case No.: LB85257 **SAS No.:** LB85257

						Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Sample ID	Client ID	Sample Type	Matrix	Prep Date				
Batch Number: PB95843								
PB95843BL	PBW005	MB	WATER	01/10/2017		50.0	50.0	
I1076-02	MESWT2	SAM	WATER	01/10/2017		50.0	50.0	
I1076-08	MESWT4	SAM	WATER	01/10/2017		50.0	50.0	
I1076-09	MESWT4D	DUP	WATER	01/10/2017		50.0	50.0	
I1076-10	MESWT4S	MS	WATER	01/10/2017		50.0	50.0	
I1076-04	MESWT3	SAM	WATER	01/10/2017		50.0	50.0	
I1076-12	MESWT7	SAM	WATER	01/10/2017		50.0	50.0	