

Daily Analysis Runlog For Sequence/QC Batch ID # LB90113

Review By		Review On				
SubDirectory		LB90113		Test : Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP57948,WP57947,WP57946,WP57945,WP57944,WP57943				
ICV Standard		WP57949				
CCV Standard		WP57950				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP57960,WP55355,WP55836				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	S0.0	S0.0	CAL1	09/15/17 17:26		OK
2	S5.0	S5.0	CAL2	09/15/17 17:26		OK
3	S10.0	S10.0	CAL3	09/15/17 17:26		OK
4	S100.0	S100.0	CAL4	09/15/17 17:26		OK
5	S250.0	S250.0	CAL5	09/15/17 17:26		OK
6	S500.0	S500.0	CAL6	09/15/17 17:26		OK
7	ICV	ICV	ICV	09/15/17 17:55		OK
8	ICB	ICB	ICB	09/15/17 17:55		OK
9	CCV001	CCV001	CCV	09/15/17 17:55		OK
10	CCB001	CCB001	CCB	09/15/17 17:55		OK
11	PB102358BL	PBW005	MB	09/15/17 17:55		OK
12	I5241-01	MC0AA1	SAM	09/15/17 17:55		OK
13	I5241-02	MC0AA1D	DUP	09/15/17 17:59		OK
14	I5241-03	MC0AA1S	MS	09/15/17 17:59		OK
15	CCV002	CCV002	CCV	09/15/17 17:59		OK
16	CCB002	CCB002	CCB	09/15/17 17:59		OK



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:		Date Collected:	9/13/2017 12:00:00 AM
Project:	LB90113	Date Received:	9/14/2017 12:00:00 AM
Client Sample ID:	MC0AA1	SDG No.:	LB90113
Lab Sample ID:	I5241-01	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	3.7	J	1	1.5	5	10	ug/L	09/15/2017	09/15/2017	ISM02.4_CN



Report of Analysis

Client:		Date Collected:	9/13/2017 12:00:00 AM
Project:	LB90113	Date Received:	9/14/2017 12:00:00 AM
Client Sample ID:	MC0AA1	SDG No.:	LB90113
Lab Sample ID:	I5241-01	Matrix:	WATER
Level (low/med):	low	% Solid:	0

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

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: LB90113

SDG No.: LB90113

Contract: _____

Lab Code: CHEM

Case No.: LB90113

SAS No.: LB90113

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	93.7	99	95	0	85 - 115	CN	09/15/2017	17:55	LB90113



Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB90113

SDG No.: LB90113

Contract: _____ Lab Code: CHEM

Case No.: LB90113

SAS No.: LB90113

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	239	250	96	0	85 - 115	CN	09/15/2017	17:55	LB90113
CCV002	Cyanide	253	250	101	0	85 - 115	CN	09/15/2017	17:59	LB90113



Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB90113

SDG No.: LB90113

Contract:

Lab Code: CHEM

Case No.: LB90113

SAS No.: LB90113

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB	Cyanide	1.2	+/-10.0	U	5.0	10.0	CN	09/15/2017	17:55	LB90113



Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB90113 **SDG No.:** LB90113
Contract: **Lab Code:** CHEM **Case No.:** LB90113 **SAS No.:** LB90113

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB001	Cyanide	0.87	+/-10.0	U	5.0	10.0	CN	09/15/2017	17:55	LB90113
CCB002	Cyanide	1.6	+/-10.0	J	5.0	10.0	CN	09/15/2017	17:59	LB90113



Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB90113

SDG No.: LB90113

Contract: Lab Code: CHEM

Case No.: LB90113

SAS No.: LB90113

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



Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: LB90113

SDG No.: LB90113

Instrument: CN

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	LOD ug/L	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB102358BL	Cyanide	0.96	<10	U	5.0	10	CN	09/15/2017	17:55	LB90113



metals
- 5a -
MATRIX SPIKE SUMMARY

client: LB90113 level: low sdg no.: LB90113
contract: lab code: CHEM case no.: LB90113 sas no.: LB90113
matrix: WATER sample id: I5241-01 client id: MC0AA1S
Percent Solids for Sample: 0 Spiked ID: I5241-03 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	78.9		3.7	J	100	75		CN



Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB90113 Level: LOW SDG No.: LB90113
Contract: Lab Code: CHEM Case No.: LB90113 SAS No.: LB90113
Matrix: WATER Sample ID: I5241-01 Client ID: MC0AA1D
Percent Solids for Sample: 0 Duplicate ID I5241-02 Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	ug/L	20	3.7	J	4.0	J	8		CN

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

Metals
- 13 -

SAMPLE PREPARATION SUMMARY

Client:	LB90113	SDG No.:	LB90113		
Contract:		Lab Code:	CHEM	Method:	
		Case No.:	LB90113	SAS No.:	LB90113

						Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Sample ID	Client ID	Sample Type	Matrix	Prep Date				
Batch Number: PB102358								
PB102358BL	PBW005	MB	WATER	09/15/2017		50.0	50.0	
I5241-01	MC0AA1	SAM	WATER	09/15/2017		50.0	50.0	
I5241-02	MC0AA1D	DUP	WATER	09/15/2017		50.0	50.0	
I5241-03	MC0AA1S	MS	WATER	09/15/2017		50.0	50.0	

FORM 15-IN
INITIAL CALIBRATION

Lab Name: LB90113 Contract: _____
Lab Code: CHEM Case No.: LB90113 MA No.: _____ SDG No.: LB90113
Instrument ID: CN Start Date: 09/15/2017
Analytical Method: _____ Run Batch: LB90113.mdb
Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Cyanide	0	1.7	0	5	4.9	-2	10	10.7	7

FORM 15-IN
INITIAL CALIBRATION

Lab Name: LB90113 Contract: _____
Lab Code: CHEM Case No.: LB90113 MA No.: _____ SDG No.: LB90113
Instrument ID: CN Start Date: 09/15/2017
Analytical Method: _____ Run Batch: LB90113.mdb
Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Cyanide	100	99.0	-1	250	247	-1	500	502	0