

Daily Analysis Runlog For Sequence/QC Batch ID # LB93646

Review By

Review On

SubDirectory

LB93646

Test :

Cyanide

STD. NAME	STD REF.#
ICAL Standard	WP62413,WP62414,WP62415,WP62416,WP62417,WP62418,WP62419
ICV Standard	W1542
CCV Standard	WP62420
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP58910
Chk Standard	WP62422,WP59958,WP60878

Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	03/02/18 11:38		OK
2	5.0PPBCN	5.0PPBCN	CAL2	03/02/18 11:38		OK
3	10PPBCN	10PPBCN	CAL3	03/02/18 11:38		OK
4	50PPBCN	50PPBCN	CAL4	03/02/18 11:38		OK
5	100PPBCN	100PPBCN	CAL5	03/02/18 11:38		OK
6	250PPBCN	250PPBCN	CAL6	03/02/18 11:38		OK
7	500PPBCN	500PPBCN	CAL7	03/02/18 11:38		OK
8	ICV1	ICV1	ICV	03/02/18 13:32		OK
9	ICB1	ICB1	ICB	03/02/18 13:32		OK
10	CCV1	CCV1	CCV	03/02/18 13:32		OK
11	CCB1	CCB1	CCB	03/02/18 13:32		OK
12	PB107008BL	PB107008BL	MB	03/02/18 13:32		OK
13	PB107008BS	PB107008BS	LCS	03/02/18 13:32		OK
14	J1751-01	JC-02-030118-A	SAM	03/02/18 13:32		OK
15	J1751-01DUP	JC-02-030118-ADUP	DUP	03/02/18 13:32		OK
16	J1751-01MS	JC-02-030118-AMS	MS	03/02/18 13:32		OK
17	J1751-01MSD	JC-02-030118-AMSD	MSD	03/02/18 13:32		OK
18	J1751-03	JC-02-030118-B	SAM	03/02/18 13:32		OK
19	J1751-05	JC-02-030118-C	SAM	03/02/18 13:39		OK
20	J1751-07	JC-02-030118-D	SAM	03/02/18 13:39		OK
21	J1751-09	JC-02-030118-E	SAM	03/02/18 13:39		OK

284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Daily Analysis Runlog For Sequence/QC Batch ID # LB93646

Review By		Review On				
SubDirectory		LB93646		Test : Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP62413,WP62414,WP62415,WP62416,WP62417,WP62418,WP62419				
ICV Standard		W1542				
CCV Standard		WP62420				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP58910				
Chk Standard		WP62422,WP59958,WP60878				
22	CCV2	CCV2	CCV	03/02/18 13:39		OK
23	CCB2	CCB2	CCB	03/02/18 13:39		OK
24	J1751-11	JC-02-030118-F	SAM	03/02/18 13:39		OK
25	J1751-13	JC-02-030118-G	SAM	03/02/18 13:39		OK
26	J1751-15	JC-02-030118-H	SAM	03/02/18 13:39		OK
27	J1751-17	JC-02-030118-I	SAM	03/02/18 13:39		OK
28	CCV3	CCV3	CCV	03/02/18 13:39		OK
29	CCB3	CCB3	CCB	03/02/18 13:39		OK



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

Report of Analysis

Client:		Date Collected:	3/1/2018 12:00:00 AM
Project:	LB93646	Date Received:	3/1/2018 12:00:00 AM
Client Sample ID:	JC-02-030118-A	SDG No.:	LB93646
Lab Sample ID:	J1751-01	Matrix:	Solid
Level (low/med):	low	% Solid:	86.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.17	J	1	0.037		0.28	mg/Kg	03/02/2018	03/02/2018	9012B



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

Report of Analysis

Client:		Date Collected:	3/1/2018 12:00:00 AM
Project:	LB93646	Date Received:	3/1/2018 12:00:00 AM
Client Sample ID:	JC-02-030118-B	SDG No.:	LB93646
Lab Sample ID:	J1751-03	Matrix:	Solid
Level (low/med):	low	% Solid:	88.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.13	J	1	0.037		0.28	mg/Kg	03/02/2018	03/02/2018	9012B



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

Report of Analysis

Client:		Date Collected:	3/1/2018 12:00:00 AM
Project:	LB93646	Date Received:	3/1/2018 12:00:00 AM
Client Sample ID:	JC-02-030118-C	SDG No.:	LB93646
Lab Sample ID:	J1751-05	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	0.12	J	1	0.036		0.27	mg/Kg	03/02/2018	03/02/2018	9012B



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

Report of Analysis

Client:		Date Collected:	3/1/2018 12:00:00 AM
Project:	LB93646	Date Received:	3/1/2018 12:00:00 AM
Client Sample ID:	JC-02-030118-D	SDG No.:	LB93646
Lab Sample ID:	J1751-07	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	0.078	J	1	0.034		0.26	mg/Kg	03/02/2018	03/02/2018	9012B



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

Report of Analysis

Client:		Date Collected:	3/1/2018 12:00:00 AM
Project:	LB93646	Date Received:	3/1/2018 12:00:00 AM
Client Sample ID:	JC-02-030118-E	SDG No.:	LB93646
Lab Sample ID:	J1751-09	Matrix:	Solid
Level (low/med):	low	% Solid:	87.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.11	J	1	0.037		0.28	mg/Kg	03/02/2018	03/02/2018	9012B



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

Report of Analysis

Client:		Date Collected:	3/1/2018 12:00:00 AM
Project:	LB93646	Date Received:	3/1/2018 12:00:00 AM
Client Sample ID:	JC-02-030118-F	SDG No.:	LB93646
Lab Sample ID:	J1751-11	Matrix:	Solid
Level (low/med):	low	% Solid:	93.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.039	J	1	0.034		0.26	mg/Kg	03/02/2018	03/02/2018	9012B



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

Report of Analysis

Client:		Date Collected:	3/1/2018 12:00:00 AM
Project:	LB93646	Date Received:	3/1/2018 12:00:00 AM
Client Sample ID:	JC-02-030118-G	SDG No.:	LB93646
Lab Sample ID:	J1751-13	Matrix:	Solid
Level (low/med):	low	% Solid:	91.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.17	J	1	0.036		0.27	mg/Kg	03/02/2018	03/02/2018	9012B



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

Report of Analysis

Client:		Date Collected:	3/1/2018 12:00:00 AM
Project:	LB93646	Date Received:	3/1/2018 12:00:00 AM
Client Sample ID:	JC-02-030118-H	SDG No.:	LB93646
Lab Sample ID:	J1751-15	Matrix:	Solid
Level (low/med):	low	% Solid:	93.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.054	J	1	0.035		0.27	mg/Kg	03/02/2018	03/02/2018	9012B



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

Report of Analysis

Client:		Date Collected:	3/1/2018 12:00:00 AM
Project:	LB93646	Date Received:	3/1/2018 12:00:00 AM
Client Sample ID:	JC-02-030118-I	SDG No.:	LB93646
Lab Sample ID:	J1751-17	Matrix:	Solid
Level (low/med):	low	% Solid:	85.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.2	J	1	0.037		0.28	mg/Kg	03/02/2018	03/02/2018	9012B



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

Report of Analysis

Client:		Date Collected:	3/1/2018 12:00:00 AM
Project:	LB93646	Date Received:	3/1/2018 12:00:00 AM
Client Sample ID:	JC-02-030118-I	SDG No.:	LB93646
Lab Sample ID:	J1751-17	Matrix:	Solid
Level (low/med):	low	% Solid:	85.6

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



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB93646

SDG No.: LB93646

Contract: _____ Lab Code: CHEM

Case No.: LB93646

SAS No.: LB93646

Initial Calibration Source: _____

Continuing Calibration Source: _____

Sample ID	Analyte	Result mg/L	True Value	% Recovery	Qual	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV1	Cyanide	0.24	0.25	96		90 - 110		03/02/2018	13:32	LB93646
CCV2	Cyanide	0.26	0.25	104		90 - 110		03/02/2018	13:39	LB93646
CCV3	Cyanide	0.24	0.25	96		90 - 110		03/02/2018	13:39	LB93646



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB93646 **SDG No.:** LB93646
Contract: **Lab Code:** CHEM **Case No.:** LB93646 **SAS No.:** LB93646

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Cyanide	-0.00016	+/-0.005	U		0.005		03/02/2018	13:32	LB93646

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Cyanide	-0	+/-0.005	U		0.005		03/02/2018	13:32	LB93646
CCB2	Cyanide	-0.00033	+/-0.005	U		0.005		03/02/2018	13:39	LB93646
CCB3	Cyanide	0	+/-0.005	U		0.005		03/02/2018	13:39	LB93646



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB93646

SDG No.: LB93646

Contract: Lab Code: CHEM

Case No.: LB93646

SAS No.: LB93646

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



GENCHEM
- 3b -
PREPARATION BLANK SUMMARY

Client: LB93646

SDG No.: LB93646

Instrument: Konelab 20

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	LOD mg/Kg	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB107008BL	Cyanide	SOLID -0.012	<0.24	Batch Number: U		PB107008 0.24		Prep Date: 03/02/2018	03/02/2018 13:32	LB93646



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB93646 level: low sdg no.: LB93646
contract: lab code: CHEM case no.: LB93646 sas no.: LB93646
matrix: Solid sample id: J1751-01 client id: JC-02-030118-AMS
Percent Solids for Sample: 86.4 Spiked ID: J1751-01MS Percent Solids for Spike Sample: 86.4

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	1.7		0.17	J	2.2	70	*	



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB93646 level: low sdg no.: LB93646
contract: lab code: CHEM case no.: LB93646 sas no.: LB93646
matrix: Solid sample id: J1751-01 client id: JC-02-030118-AMSD
Percent Solids for Sample: 86.4 Spiked ID: J1751-01MSD Percent Solids for Spike Sample: 86.4

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	1.7		0.17	J	2.3	67	*	

GENCHEM

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB93646 **Level:** LOW **SDG No.:** LB93646
Contract: **Lab Code:** CHEM **Case No.:** LB93646 **SAS No.:** LB93646
Matrix: Solid **Sample ID:** J1751-01 **Client ID:** JC-02-030118-ADUP
Percent Solids for Sample: 86.4 **Duplicate ID** J1751-01DUP **Percent Solids for Spike Sample:** 86.4

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	0.17	J	0.18	J	6		

GENCHEM

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB93646 **Level:** LOW **SDG No.:** LB93646
Contract: **Lab Code:** CHEM **Case No.:** LB93646 **SAS No.:** LB93646
Matrix: Solid **Sample ID:** J1751-01MS **Client ID:** JC-02-030118-AMSD
Percent Solids for Sample: 86.4 **Duplicate ID** J1751-01MSD **Percent Solids for Spike Sample:** 86.4

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	1.7		1.7		0		



GENCHEM

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: LB93646

SDG No.: LB93646

Contract:

Lab Code: CHEM

Case No.: LB93646

SAS No.: LB93646

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB107008BS Cyanide	mg/Kg	4.9	4.9		100	85 - 115	