

Daily Analysis Runlog For Sequence/QC Batch ID # LB93250

Review By		Review On				
SubDirectory		LB93250		Test : Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP61855,WP61856,WP61857,WP61858,WP61859,WP61861,WP61864				
ICV Standard		W1542				
CCV Standard		WP61865				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP58910				
Chk Standard		WP61867,WP59958,WP60878				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	02/13/18 12:57		OK
2	5.0PPBCN	5.0PPBCN	CAL2	02/13/18 12:57		OK
3	10PPBCN	10PPBCN	CAL3	02/13/18 12:57		OK
4	50PPBCN	50PPBCN	CAL4	02/13/18 12:57		OK
5	100PPBCN	100PPBCN	CAL5	02/13/18 12:57		OK
6	250PPBCN	250PPBCN	CAL6	02/13/18 12:57		OK
7	500PPBCN	500PPBCN	CAL7	02/13/18 12:57		OK
8	ICV1	ICV1	ICV	02/13/18 13:22		OK
9	ICB1	ICB1	ICB	02/13/18 13:22		OK
10	CCV1	CCV1	CCV	02/13/18 13:22		OK
11	CCB1	CCB1	CCB	02/13/18 13:22		OK
12	PB106510BL	PB106510BL	MB	02/13/18 13:41		OK
13	PB106510BS	PB106510BS	LCS	02/13/18 13:41		OK
14	LOWPB106510	LOWPB106510	SAM	02/13/18 13:41		OK
15	HIGHPB106510	HIGHPB106510	SAM	02/13/18 13:41		OK
16	J1397-01	CL-01-021218-A	SAM	02/13/18 13:42		OK
17	J1397-01DUP	CL-01-021218-ADUP	DUP	02/13/18 13:42		OK
18	J1397-01MS	CL-01-021218-AMS	MS	02/13/18 13:42		OK
19	J1397-01MSD	CL-01-021218-AMSD	MSD	02/13/18 13:42		OK
20	J1397-03	CL-01-021218-B	SAM	02/13/18 13:42		OK
21	J1397-05	CL-01-021218-C	SAM	02/13/18 13:42		OK

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

Daily Analysis Runlog For Sequence/QC Batch ID # LB93250

Review By		Review On				
SubDirectory		Test : Cyanide				
LB93250						
STD. NAME		STD REF.#				
ICAL Standard		WP61855,WP61856,WP61857,WP61858,WP61859,WP61861,WP61864				
ICV Standard		W1542				
CCV Standard		WP61865				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP58910				
Chk Standard		WP61867,WP59958,WP60878				
22	CCV2	CCV2	CCV	02/13/18 13:42		OK
23	CCB2	CCB2	CCB	02/13/18 13:47		OK
24	J1397-07	CL-01-021218-D	SAM	02/13/18 13:47		OK
25	J1398-01	OK-02-021218	SAM	02/13/18 13:47		OK
26	J1403-03	SU-03-021218	SAM	02/13/18 13:47		OK
27	CCV3	CCV3	CCV	02/13/18 13:47		OK
28	CCB3	CCB3	CCB	02/13/18 13:47		OK



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

Report of Analysis

Client:		Date Collected:	
Project:	LB93250	Date Received:	
Client Sample ID:	HIGHPB106510	SDG No.:	LB93250
Lab Sample ID:	HIGHPB106510	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	0.49		1	0.003		0.005	mg/L		02/13/2018	9012B



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

Report of Analysis

Client:		Date Collected:	2/12/2018 12:00:00 AM
Project:	LB93250	Date Received:	2/12/2018 12:00:00 AM
Client Sample ID:	CL-01-021218-A	SDG No.:	LB93250
Lab Sample ID:	J1397-01	Matrix:	Solid
Level (low/med):	low	% Solid:	83.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.14	J	1	0.039		0.29	mg/Kg	02/13/2018	02/13/2018	9012B



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

Report of Analysis

Client:		Date Collected:	2/12/2018 12:00:00 AM
Project:	LB93250	Date Received:	2/12/2018 12:00:00 AM
Client Sample ID:	CL-01-021218-B	SDG No.:	LB93250
Lab Sample ID:	J1397-03	Matrix:	Solid
Level (low/med):	low	% Solid:	80.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.15	J	1	0.041		0.31	mg/Kg	02/13/2018	02/13/2018	9012B

Report of Analysis

Client:		Date Collected:	2/12/2018 12:00:00 AM
Project:	LB93250	Date Received:	2/12/2018 12:00:00 AM
Client Sample ID:	CL-01-021218-C	SDG No.:	LB93250
Lab Sample ID:	J1397-05	Matrix:	Solid
Level (low/med):	low	% Solid:	86.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.14	J	1	0.037		0.28	mg/Kg	02/13/2018	02/13/2018	9012B



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

Report of Analysis

Client:		Date Collected:	2/12/2018 12:00:00 AM
Project:	LB93250	Date Received:	2/12/2018 12:00:00 AM
Client Sample ID:	CL-01-021218-D	SDG No.:	LB93250
Lab Sample ID:	J1397-07	Matrix:	Solid
Level (low/med):	low	% Solid:	87.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.088	J	1	0.036		0.28	mg/Kg	02/13/2018	02/13/2018	9012B

Report of Analysis

Client:		Date Collected:	2/12/2018 12:00:00 AM
Project:	LB93250	Date Received:	2/12/2018 12:00:00 AM
Client Sample ID:	OK-02-021218	SDG No.:	LB93250
Lab Sample ID:	J1398-01	Matrix:	Solid
Level (low/med):	low	% Solid:	87.8

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	02/13/2018	02/13/2018	9012B



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

Report of Analysis

Client:		Date Collected:	2/12/2018 12:00:00 AM
Project:	LB93250	Date Received:	2/12/2018 12:00:00 AM
Client Sample ID:	SU-03-021218	SDG No.:	LB93250
Lab Sample ID:	J1403-03	Matrix:	Solid
Level (low/med):	low	% Solid:	85.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.11	J	1	0.038		0.29	mg/Kg	02/13/2018	02/13/2018	9012B



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

Report of Analysis

Client:		Date Collected:	
Project:	LB93250	Date Received:	
Client Sample ID:	LOWPB106510	SDG No.:	LB93250
Lab Sample ID:	LOWPB106510	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	0.011		1	0.003		0.005	mg/L		02/13/2018	9012B



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

Report of Analysis

Client:		Date Collected:	
Project:	LB93250	Date Received:	
Client Sample ID:	LOWPB106510	SDG No.:	LB93250
Lab Sample ID:	LOWPB106510	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



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB93250

SDG No.: LB93250

Contract: _____ Lab Code: CHEM

Case No.: LB93250

SAS No.: LB93250

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	0.25	0.25	100		90 - 110		02/13/2018	13:22	lb93250
CCV2	Cyanide	0.23	0.25	92		90 - 110		02/13/2018	13:42	lb93250
CCV3	Cyanide	0.24	0.25	96		90 - 110		02/13/2018	13:47	lb93250



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB93250

SDG No.: LB93250

Contract:

Lab Code: CHEM

Case No.: LB93250

SAS No.: LB93250

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Cyanide	0.00028	+/-0.005	U		0.005		02/13/2018	13:22	lb93250

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Cyanide	0.00042	+/-0.005	U		0.005		02/13/2018	13:22	lb93250
CCB2	Cyanide	0.00068	+/-0.005	U		0.005		02/13/2018	13:47	lb93250
CCB3	Cyanide	0.00082	+/-0.005	U		0.005		02/13/2018	13:47	lb93250



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB93250

SDG No.: LB93250

Contract: Lab Code: CHEM

Case No.: LB93250

SAS No.: LB93250

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: LB93250

SDG No.: LB93250

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
PB106510BL		SOLID		Batch Number:		PB106510		Prep Date:	02/13/2018	
	Cyanide	0.042	<0.25	J		0.25		02/13/2018	13:41	lb93250

GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB93250 level: low sdg no.: LB93250
contract: lab code: CHEM case no.: LB93250 sas no.: LB93250
matrix: Solid sample id: J1397-01 client id: CL-01-021218-AMS
Percent Solids for Sample: 83.9 Spiked ID: J1397-01MS Percent Solids for Spike Sample: 83.9

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	2.1		0.14	J	2.3	85		



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB93250 level: low sdg no.: LB93250
contract: lab code: CHEM case no.: LB93250 sas no.: LB93250
matrix: Solid sample id: J1397-01 client id: CL-01-021218-AMSD
Percent Solids for Sample: 83.9 Spiked ID: J1397-01MSD Percent Solids for Spike Sample: 83.9

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	2.2		0.14	J	2.4	86		

GENCHEM

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB93250 **Level:** LOW **SDG No.:** LB93250
Contract: **Lab Code:** CHEM **Case No.:** LB93250 **SAS No.:** LB93250
Matrix: Solid **Sample ID:** J1397-01 **Client ID:** CL-01-021218-ADUP
Percent Solids for Sample: 83.9 **Duplicate ID** J1397-01DUP **Percent Solids for Spike Sample:** 83.9

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	0.14	J	0.11	J	24	*	

GENCHEM

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB93250 **Level:** LOW **SDG No.:** LB93250
Contract: **Lab Code:** CHEM **Case No.:** LB93250 **SAS No.:** LB93250
Matrix: Solid **Sample ID:** J1397-01MS **Client ID:** CL-01-021218-AMSD
Percent Solids for Sample: 83.9 **Duplicate ID** J1397-01MSD **Percent Solids for Spike Sample:** 83.9

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	2.1		2.2		5		



GENCHEM

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: LB93250

SDG No.: LB93250

Contract:

Lab Code: CHEM

Case No.: LB93250

SAS No.: LB93250

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB106510BS Cyanide	mg/Kg	4.8	4.6		95.8	85 - 115	