

Daily Analysis Runlog For Sequence/QC Batch ID # LB93627

Review By		Review On				
SubDirectory		LB93627		Test : Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP62361,WP62362,WP62363,WP62364,WP62365,WP62366,WP62367				
ICV Standard		W1542				
CCV Standard		WP62368				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP58910				
Chk Standard		WP62370,WP59958,WP60878				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	03/01/18 09:49		OK
2	5.0PPBCN	5.0PPBCN	CAL2	03/01/18 09:49		OK
3	10PPBCN	10PPBCN	CAL3	03/01/18 09:49		OK
4	50PPBCN	50PPBCN	CAL4	03/01/18 09:49		OK
5	100PPBCN	100PPBCN	CAL5	03/01/18 09:49		OK
6	250PPBCN	250PPBCN	CAL6	03/01/18 09:49		OK
7	500PPBCN	500PPBCN	CAL7	03/01/18 09:49		OK
8	ICV1	ICV1	ICV	03/01/18 16:06		OK
9	ICB1	ICB1	ICB	03/01/18 16:06		OK
10	CCV1	CCV1	CCV	03/01/18 16:06		OK
11	CCB1	CCB1	CCB	03/01/18 16:06		OK
12	PB106987BL	PB106987BL	MB	03/01/18 16:06		OK
13	PB106987BS	PB106987BS	LCS	03/01/18 16:06		OK
14	J1720-01	SP-31	SAM	03/01/18 16:06		OK
15	J1720-01DUP	SP-31DUP	DUP	03/01/18 16:06		OK
16	J1720-01MS	SP-31MS	MS	03/01/18 16:06		OK
17	J1720-01MSD	SP-31MSD	MSD	03/01/18 16:06		OK
18	J1720-03	SP-38	SAM	03/01/18 16:06		OK
19	J1720-05	SP-44	SAM	03/01/18 16:14		OK
20	J1720-07	SP-30	SAM	03/01/18 16:14		OK
21	J1720-09	SP-37	SAM	03/01/18 16:14		OK

Daily Analysis Runlog For Sequence/QC Batch ID # LB93627

Review By		Review On				
SubDirectory		LB93627		Test : Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP62361,WP62362,WP62363,WP62364,WP62365,WP62366,WP62367				
ICV Standard		W1542				
CCV Standard		WP62368				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP58910				
Chk Standard		WP62370,WP59958,WP60878				
22	CCV2	CCV2	CCV	03/01/18 16:14		OK
23	CCB2	CCB2	CCB	03/01/18 16:14		OK
24	J1720-11	SP-43	SAM	03/01/18 16:14		OK
25	J1720-13	SP-49	SAM	03/01/18 16:14		OK
26	J1720-15	SP-29	SAM	03/01/18 16:14		OK
27	J1720-17	SP-36	SAM	03/01/18 16:14		OK
28	J1720-19	SP-42	SAM	03/01/18 16:14		OK
29	CCV3	CCV3	CCV	03/01/18 16:14		OK
30	CCB3	CCB3	CCB	03/01/18 16:16		OK



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

Report of Analysis

Client:		Date Collected:	2/27/2018 12:00:00 AM
Project:	LB93627	Date Received:	2/27/2018 12:00:00 AM
Client Sample ID:	SP-31	SDG No.:	LB93627
Lab Sample ID:	J1720-01	Matrix:	Solid
Level (low/med):	low	% Solid:	91

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.13	J	1	0.036		0.27	mg/Kg	03/01/2018	03/01/2018	9012B



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

Report of Analysis

Client:		Date Collected:	2/27/2018 12:00:00 AM
Project:	LB93627	Date Received:	2/27/2018 12:00:00 AM
Client Sample ID:	SP-38	SDG No.:	LB93627
Lab Sample ID:	J1720-03	Matrix:	Solid
Level (low/med):	low	% Solid:	90.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.23	J	1	0.036		0.27	mg/Kg	03/01/2018	03/01/2018	9012B



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

Report of Analysis

Client:		Date Collected:	2/27/2018 12:00:00 AM
Project:	LB93627	Date Received:	2/27/2018 12:00:00 AM
Client Sample ID:	SP-44	SDG No.:	LB93627
Lab Sample ID:	J1720-05	Matrix:	Solid
Level (low/med):	low	% Solid:	90.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.013	U	1	0.036		0.27	mg/Kg	03/01/2018	03/01/2018	9012B

Report of Analysis

Client:		Date Collected:	2/27/2018 12:00:00 AM
Project:	LB93627	Date Received:	2/27/2018 12:00:00 AM
Client Sample ID:	SP-30	SDG No.:	LB93627
Lab Sample ID:	J1720-07	Matrix:	Solid
Level (low/med):	low	% Solid:	91.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.48		1	0.034		0.26	mg/Kg	03/01/2018	03/01/2018	9012B



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

Report of Analysis

Client:		Date Collected:	2/27/2018 12:00:00 AM
Project:	LB93627	Date Received:	2/27/2018 12:00:00 AM
Client Sample ID:	SP-37	SDG No.:	LB93627
Lab Sample ID:	J1720-09	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	0.11	J	1	0.035		0.26	mg/Kg	03/01/2018	03/01/2018	9012B

Report of Analysis

Client:		Date Collected:	2/27/2018 12:00:00 AM
Project:	LB93627	Date Received:	2/27/2018 12:00:00 AM
Client Sample ID:	SP-43	SDG No.:	LB93627
Lab Sample ID:	J1720-11	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	0.076	J	1	0.036		0.27	mg/Kg	03/01/2018	03/01/2018	9012B



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

Report of Analysis

Client:		Date Collected:	2/27/2018 12:00:00 AM
Project:	LB93627	Date Received:	2/27/2018 12:00:00 AM
Client Sample ID:	SP-49	SDG No.:	LB93627
Lab Sample ID:	J1720-13	Matrix:	Solid
Level (low/med):	low	% Solid:	91.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.15	J	1	0.035		0.27	mg/Kg	03/01/2018	03/01/2018	9012B

Report of Analysis

Client:		Date Collected:	2/27/2018 12:00:00 AM
Project:	LB93627	Date Received:	2/27/2018 12:00:00 AM
Client Sample ID:	SP-29	SDG No.:	LB93627
Lab Sample ID:	J1720-15	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	0.24	J	1	0.036		0.27	mg/Kg	03/01/2018	03/01/2018	9012B

Report of Analysis

Client:		Date Collected:	2/27/2018 12:00:00 AM
Project:	LB93627	Date Received:	2/27/2018 12:00:00 AM
Client Sample ID:	SP-36	SDG No.:	LB93627
Lab Sample ID:	J1720-17	Matrix:	Solid
Level (low/med):	low	% Solid:	92

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.39		1	0.034		0.26	mg/Kg	03/01/2018	03/01/2018	9012B



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

Report of Analysis

Client:		Date Collected:	2/27/2018 12:00:00 AM
Project:	LB93627	Date Received:	2/27/2018 12:00:00 AM
Client Sample ID:	SP-42	SDG No.:	LB93627
Lab Sample ID:	J1720-19	Matrix:	Solid
Level (low/med):	low	% Solid:	90.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.044	J	1	0.035		0.27	mg/Kg	03/01/2018	03/01/2018	9012B



Report of Analysis

Client:		Date Collected:	2/27/2018 12:00:00 AM
Project:	LB93627	Date Received:	2/27/2018 12:00:00 AM
Client Sample ID:	SP-42	SDG No.:	LB93627
Lab Sample ID:	J1720-19	Matrix:	Solid
Level (low/med):	low	% Solid:	90.4

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: LB93627

SDG No.: LB93627

Contract: _____

Lab Code: CHEM

Case No.: LB93627

SAS No.: LB93627

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
ICV1	Cyanide	0.09	0.099	90.9		85 - 115		03/01/2018	16:06	LB93627



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB93627

SDG No.: LB93627

Contract: _____ Lab Code: CHEM

Case No.: LB93627

SAS No.: LB93627

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		03/01/2018	16:06	LB93627
CCV2	Cyanide	0.24	0.25	96		90 - 110		03/01/2018	16:14	LB93627
CCV3	Cyanide	0.24	0.25	96		90 - 110		03/01/2018	16:14	LB93627



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB93627

SDG No.: LB93627

Contract:

Lab Code: CHEM

Case No.: LB93627

SAS No.: LB93627

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Cyanide	-0.00039	+/-0.005	U		0.005		03/01/2018	16:06	LB93627

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Cyanide	0.00014	+/-0.005	U		0.005		03/01/2018	16:06	LB93627
CCB2	Cyanide	-0.00087	+/-0.005	U		0.005		03/01/2018	16:14	LB93627
CCB3	Cyanide	-0.0015	+/-0.005	U		0.005		03/01/2018	16:16	LB93627



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB93627

SDG No.: LB93627

Contract: Lab Code: CHEM

Case No.: LB93627

SAS No.: LB93627

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: LB93627

SDG No.: LB93627

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
PB106987BL	Cyanide	SOLID -0.021	<0.24	Batch Number: U		PB106987 0.24		Prep Date: 03/01/2018	03/01/2018 16:06	LB93627



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB93627 level: low sdg no.: LB93627
contract: lab code: CHEM case no.: LB93627 sas no.: LB93627
matrix: Solid sample id: J1720-01 client id: SP-31MS
Percent Solids for Sample: 91 Spiked ID: J1720-01MS Percent Solids for Spike Sample: 91

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	1.8		0.13	J	2.1	80		



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB93627 level: low sdg no.: LB93627
contract: lab code: CHEM case no.: LB93627 sas no.: LB93627
matrix: Solid sample id: J1720-01 client id: SP-31MSD
Percent Solids for Sample: 91 Spiked ID: J1720-01MSD Percent Solids for Spike Sample: 91

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	1.8		0.13	J	2.2	76		

GENCHEM

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB93627 **Level:** LOW **SDG No.:** LB93627
Contract: **Lab Code:** CHEM **Case No.:** LB93627 **SAS No.:** LB93627
Matrix: Solid **Sample ID:** J1720-01 **Client ID:** SP-31DUP
Percent Solids for Sample: 91 **Duplicate ID** J1720-01DUP **Percent Solids for Spike Sample:** 91

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	0.13	J	0.14	J	7		

GENCHEM

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB93627 **Level:** LOW **SDG No.:** LB93627
Contract: **Lab Code:** CHEM **Case No.:** LB93627 **SAS No.:** LB93627
Matrix: Solid **Sample ID:** J1720-01MS **Client ID:** SP-31MSD
Percent Solids for Sample: 91 **Duplicate ID** J1720-01MSD **Percent Solids for Spike Sample:** 91

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	1.8		1.8		0		



GENCHEM

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: LB93627 SDG No.: LB93627
Contract: Lab Code: CHEM Case No.: LB93627 SAS No.: LB93627

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB106987BS Cyanide	mg/Kg	4.9	4.9		100	85 - 115	
