

Daily Analysis Runlog For Sequence/QC Batch ID # LB92192

Review By		Review On				
SubDirectory		LB92192		Test : Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP60388,WP60389,WP60390,WP60391,WP60392,WP60393,WP60394				
ICV Standard		W1541				
CCV Standard		WP60395				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP58910				
Chk Standard		WP60397,WP59958,WP60150				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	12/15/17 11:19		OK
2	5.0PPBCN	5.0PPBCN	CAL2	12/15/17 11:19		OK
3	10PPBCN	10PPBCN	CAL3	12/15/17 11:19		OK
4	50PPBCN	50PPBCN	CAL4	12/15/17 11:19		OK
5	100PPBCN	100PPBCN	CAL5	12/15/17 11:19		OK
6	250PPBCN	250PPBCN	CAL6	12/15/17 11:19		OK
7	500PPBCN	500PPBCN	CAL7	12/15/17 11:19		OK
8	ICV1	ICV1	ICV	12/15/17 14:21		OK
9	ICB1	ICB1	ICB	12/15/17 14:21		OK
10	CCV1	CCV1	CCV	12/15/17 14:21		OK
11	CCB1	CCB1	CCB	12/15/17 14:21		OK
12	PB105078BL	PB105078BL	MB	12/15/17 14:21		OK
13	PB105078BS	PB105078BS	LCS	12/15/17 14:21		OK
14	I6676-05	OK-03-121217	SAM	12/15/17 14:21		OK
15	I6684-03	BU-02-121217	SAM	12/15/17 14:27		OK
16	I6684-03DUP	BU-02-121217DUP	DUP	12/15/17 14:27		OK
17	I6684-03MS	BU-02-121217MS	MS	12/15/17 14:27		OK
18	I6684-03MSD	BU-02-121217MSD	MSD	12/15/17 14:27		OK
19	CCV2	CCV2	CCV	12/15/17 14:27		OK
20	CCB2	CCB2	CCB	12/15/17 14:27		OK



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

Report of Analysis

Client:		Date Collected:	12/12/2017 12:00:00 AM
Project:	LB92192	Date Received:	12/12/2017 12:00:00 AM
Client Sample ID:	OK-03-121217	SDG No.:	LB92192
Lab Sample ID:	I6676-05	Matrix:	Solid
Level (low/med):	low	% Solid:	96.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.068	J	1	0.033		0.25	mg/Kg	12/15/2017	12/15/2017	9012B



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

Report of Analysis

Client:		Date Collected:	12/12/2017 12:00:00 AM
Project:	LB92192	Date Received:	12/12/2017 12:00:00 AM
Client Sample ID:	BU-02-121217	SDG No.:	LB92192
Lab Sample ID:	I6684-03	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	0.016	U	1	0.038		0.29	mg/Kg	12/15/2017	12/15/2017	9012B



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

Report of Analysis

Client:		Date Collected:	12/12/2017 12:00:00 AM
Project:	LB92192	Date Received:	12/12/2017 12:00:00 AM
Client Sample ID:	BU-02-121217	SDG No.:	LB92192
Lab Sample ID:	I6684-03	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: LB92192

SDG No.: LB92192

Contract: _____

Lab Code: CHEM

Case No.: LB92192

SAS No.: LB92192

Initial Calibration Source: _____

Continuing Calibration Source: _____

Sample ID	Analyte	Result mg/L	True Value	% Recovery	% RSD	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV1	Cyanide	0.097	0.099	98	0	85 - 115		12/15/2017	14:21	lb92192



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB92192

SDG No.: LB92192

Contract: _____ Lab Code: CHEM

Case No.: LB92192

SAS No.: LB92192

Initial Calibration Source: _____

Continuing Calibration Source: _____

Sample ID	Analyte	Result mg/L	True Value	% Recovery	% RSD	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV1	Cyanide	0.25	0.25	100	0	90 - 110		12/15/2017	14:21	lb92192
CCV2	Cyanide	0.25	0.25	100	0	90 - 110		12/15/2017	14:27	lb92192



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB92192

SDG No.: LB92192

Contract:

Lab Code: CHEM

Case No.: LB92192

SAS No.: LB92192

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Cyanide	0.00047	+/-0.005	U		0.005		12/15/2017	14:21	lb92192



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB92192

SDG No.: LB92192

Contract:

Lab Code: CHEM

Case No.: LB92192

SAS No.: LB92192

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Cyanide	0.00026	+/-0.005	U		0.005		12/15/2017	14:21	1b92192
CCB2	Cyanide	0.00035	+/-0.005	U		0.005		12/15/2017	14:27	1b92192



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB92192

SDG No.: LB92192

Contract: Lab Code: CHEM

Case No.: LB92192

SAS No.: LB92192

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: LB92192

SDG No.: LB92192

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
PB105078BL	Cyanide	SOLID 0.0086	<0.24	Batch Number: U		PB105078 0.24		Prep Date: 12/15/2017	12/15/2017 14:21	lb92192



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB92192 level: low sdg no.: LB92192
contract: lab code: CHEM case no.: LB92192 sas no.: LB92192
matrix: Solid sample id: I6684-03 client id: BU-02-121217MS
Percent Solids for Sample: 85.6 Spiked ID: I6684-03MS Percent Solids for Spike Sample: 85.6

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	1.7		0.038	U	2.3	73.9	*	



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB92192 level: low sdg no.: LB92192
contract: lab code: CHEM case no.: LB92192 sas no.: LB92192
matrix: Solid sample id: I6684-03 client id: BU-02-121217MSD
Percent Solids for Sample: 85.6 Spiked ID: I6684-03MSD Percent Solids for Spike Sample: 85.6

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	1.7		0.038	U	2.3	73.9	*	

GENCHEM

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB92192 **Level:** LOW **SDG No.:** LB92192
Contract: **Lab Code:** CHEM **Case No.:** LB92192 **SAS No.:** LB92192
Matrix: Solid **Sample ID:** I6684-03 **Client ID:** BU-02-121217DUP
Percent Solids for Sample: 85.6 **Duplicate ID** I6684-03DUP **Percent Solids for Spike Sample:** 85.6

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	0.038	U	0.019	U			

GENCHEM

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB92192 **Level:** LOW **SDG No.:** LB92192
Contract: **Lab Code:** CHEM **Case No.:** LB92192 **SAS No.:** LB92192
Matrix: Solid **Sample ID:** I6684-03MS **Client ID:** BU-02-121217MSD
Percent Solids for Sample: 85.6 **Duplicate ID** I6684-03MSD **Percent Solids for Spike Sample:** 85.6

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: LB92192

SDG No.: LB92192

Contract:

Lab Code: CHEM

Case No.: LB92192

SAS No.: LB92192

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB105078BS Cyanide	mg/Kg	4.9	4.8		98	85 - 115	