

Daily Analysis Runlog For Sequence/QC Batch ID # LB90985

Review By		Review On				
SubDirectory		LB90985		Test : Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP58969,WP58970,WP58971,WP58972,WP58973,WP58974,WP58967				
ICV Standard		WP58976				
CCV Standard		WP58977				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP58977,WP55836,WP55355				
Sr#	SampleId	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	10/20/17 15:38		OK
2	5.0PPBCN	5.0PPBCN	CAL2	10/20/17 15:38		OK
3	10PPBCN	10PPBCN	CAL3	10/20/17 15:38		OK
4	50PPBCN	50PPBCN	CAL4	10/20/17 15:38		OK
5	100PPBCN	100PPBCN	CAL5	10/20/17 15:38		OK
6	250PPBCN	250PPBCN	CAL6	10/20/17 15:38		OK
7	500PPBCN	500PPBCN	CAL7	10/20/17 15:38		OK
8	ICV1	ICV1	ICV	10/20/17 16:09		OK
9	ICB1	ICB1	ICB	10/20/17 16:09		OK
10	CCV1	CCV1	CCV	10/20/17 16:09		OK
11	CCB1	CCB1	CCB	10/20/17 16:09		OK
12	PB103489BL	PB103489BL	MB	10/20/17 16:10		OK
13	PB103489BS	PB103489BS	LCS	10/20/17 16:10		OK
14	LOWPB103489	LOWPB103489	SAM	10/20/17 16:17		OK
15	HIGHPB103489	HIGHPB103489	SAM	10/20/17 16:17		OK
16	I6010-01	FK-PS-01-018	SAM	10/20/17 16:17		OK
17	I6010-01DUP	FK-PS-01-018DUP	DUP	10/20/17 16:17		OK
18	I6010-01MS	FK-PS-01-018MS	MS	10/20/17 16:17		OK
19	I6010-01MSD	FK-PS-01-018MSD	MSD	10/20/17 16:17		OK
20	I6013-01	FK-PS-01-019	SAM	10/20/17 16:17		OK
21	I6017-01	COMP-1	SAM	10/20/17 16:17		OK

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

Daily Analysis Runlog For Sequence/QC Batch ID # LB90985

Review By		Review On				
SubDirectory		Test : Cyanide				
LB90985						
STD. NAME	STD REF.#					
ICAL Standard	WP58969,WP58970,WP58971,WP58972,WP58973,WP58974,WP58967					
ICV Standard	WP58976					
CCV Standard	WP58977					
ICSA Standard	N/A					
CRI Standard	N/A					
LCS Standard	N/A					
Chk Standard	WP58977,WP55836,WP55355					
22	CCV2	CCV2	CCV	10/20/17 16:23		OK
23	CCB2	CCB2	CCB	10/20/17 16:23		OK
24	I6017-05	RT3867-RT5158-CO	SAM	10/20/17 16:23		OK
25	I6018-01	TR-05-101917	SAM	10/20/17 16:23		OK
26	I5981-07	NB-01-101817-C	SAM	10/20/17 16:23		OK
27	CCV3	CCV3	CCV	10/20/17 16:23		OK
28	CCB3	CCB3	CCB	10/20/17 16:23		OK



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

Report of Analysis

Client:		Date Collected:	
Project:	LB90985	Date Received:	
Client Sample ID:	HIGHPB103489	SDG No.:	LB90985
Lab Sample ID:	HIGHPB103489	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	0.48		1	0.003		0.005	mg/L		10/20/2017	9012B



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

Report of Analysis

Client:		Date Collected:	10/18/2017 12:00:00 AM
Project:	LB90985	Date Received:	10/18/2017 12:00:00 AM
Client Sample ID:	NB-01-101817-C	SDG No.:	LB90985
Lab Sample ID:	I5981-07	Matrix:	Solid
Level (low/med):	low	% Solid:	91.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.052	J	1	0.034		0.26	mg/Kg	10/19/2017	10/20/2017	9012B



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

Report of Analysis

Client:		Date Collected:	10/18/2017 12:00:00 AM
Project:	LB90985	Date Received:	10/19/2017 12:00:00 AM
Client Sample ID:	FK-PS-01-018	SDG No.:	LB90985
Lab Sample ID:	I6010-01	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	0.013	U	1	0.035		0.27	mg/Kg	10/20/2017	10/20/2017	9012B



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

Report of Analysis

Client:		Date Collected:	10/19/2017 12:00:00 AM
Project:	LB90985	Date Received:	10/19/2017 12:00:00 AM
Client Sample ID:	FK-PS-01-019	SDG No.:	LB90985
Lab Sample ID:	I6013-01	Matrix:	Solid
Level (low/med):	low	% Solid:	91.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	-0.033	U	1	0.035		0.26	mg/Kg	10/20/2017	10/20/2017	9012B

Report of Analysis

Client:		Date Collected:	10/19/2017 12:00:00 AM
Project:	LB90985	Date Received:	10/19/2017 12:00:00 AM
Client Sample ID:	COMP-1	SDG No.:	LB90985
Lab Sample ID:	I6017-01	Matrix:	Solid
Level (low/med):	low	% Solid:	86.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.041	J	1	0.036		0.28	mg/Kg	10/20/2017	10/20/2017	9012B



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

Report of Analysis

Client:		Date Collected:	10/19/2017 12:00:00 AM
Project:	LB90985	Date Received:	10/19/2017 12:00:00 AM
Client Sample ID:	RT3867-RT5158-COMP-2	SDG No.:	LB90985
Lab Sample ID:	I6017-05	Matrix:	Solid
Level (low/med):	low	% Solid:	84.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	-0.02	U	1	0.038		0.28	mg/Kg	10/20/2017	10/20/2017	9012B



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

Report of Analysis

Client:		Date Collected:	10/19/2017 12:00:00 AM
Project:	LB90985	Date Received:	10/19/2017 12:00:00 AM
Client Sample ID:	TR-05-101917	SDG No.:	LB90985
Lab Sample ID:	I6018-01	Matrix:	Solid
Level (low/med):	low	% Solid:	88.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.011	U	1	0.036		0.27	mg/Kg	10/20/2017	10/20/2017	9012B



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

Report of Analysis

Client:		Date Collected:	
Project:	LB90985	Date Received:	
Client Sample ID:	LOWPB103489	SDG No.:	LB90985
Lab Sample ID:	LOWPB103489	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	0.0089		1	0.003		0.005	mg/L		10/20/2017	9012B



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

Report of Analysis

Client:		Date Collected:	
Project:	LB90985	Date Received:	
Client Sample ID:	LOWPB103489	SDG No.:	LB90985
Lab Sample ID:	LOWPB103489	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: LB90985

SDG No.: LB90985

Contract: _____ Lab Code: CHEM

Case No.: LB90985

SAS No.: LB90985

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	0.24	0.25	96	0	90 - 110		10/20/2017	16:09	LB90985
CCV2	Cyanide	0.24	0.25	96	0	90 - 110		10/20/2017	16:23	LB90985
CCV3	Cyanide	0.25	0.25	100	0	90 - 110		10/20/2017	16:23	LB90985



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB90985

SDG No.: LB90985

Contract:

Lab Code: CHEM

Case No.: LB90985

SAS No.: LB90985

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Cyanide	-0.00052	+/-0.005	U		0.005		10/20/2017	16:09	LB90985



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB90985

SDG No.: LB90985

Contract:

Lab Code: CHEM

Case No.: LB90985

SAS No.: LB90985

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Cyanide	-0.00049	+/-0.005	U		0.005		10/20/2017	16:09	LB90985
CCB2	Cyanide	-0.00091	+/-0.005	U		0.005		10/20/2017	16:23	LB90985
CCB3	Cyanide	-0.00054	+/-0.005	U		0.005		10/20/2017	16:23	LB90985



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB90985

SDG No.: LB90985

Contract: Lab Code: CHEM

Case No.: LB90985

SAS No.: LB90985

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: LB90985

SDG No.: LB90985

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
PB103489BL		SOLID		Batch Number:		PB103489		Prep Date:	10/20/2017	
	Cyanide	-0.036	<0.25	U		0.25		10/20/2017	16:10	LB90985



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB90985 level: low sdg no.: LB90985
contract: lab code: CHEM case no.: LB90985 sas no.: LB90985
matrix: Solid sample id: I6010-01 client id: FK-PS-01-018MS
Percent Solids for Sample: 91.4 Spiked ID: I6010-01MS Percent Solids for Spike Sample: 91.4

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	1.9		0.035	U	2.1	90.5		



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB90985 level: low sdg no.: LB90985
contract: lab code: CHEM case no.: LB90985 sas no.: LB90985
matrix: Solid sample id: I6010-01 client id: FK-PS-01-018MSD
Percent Solids for Sample: 91.4 Spiked ID: I6010-01MSD Percent Solids for Spike Sample: 91.4

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	1.9		0.035	U	2.1	90.5		

GENCHEM

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB90985 **Level:** LOW **SDG No.:** LB90985
Contract: **Lab Code:** CHEM **Case No.:** LB90985 **SAS No.:** LB90985
Matrix: Solid **Sample ID:** I6010-01 **Client ID:** FK-PS-01-018DUP
Percent Solids for Sample: 91.4 **Duplicate ID** I6010-01DUP **Percent Solids for Spike Sample:** 91.4

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	0.035	U	-0.023	U			

GENCHEM**- 6 -****DUPLICATE SAMPLE SUMMARY**

Client: LB90985 **Level:** LOW **SDG No.:** LB90985
Contract: **Lab Code:** CHEM **Case No.:** LB90985 **SAS No.:** LB90985
Matrix: Solid **Sample ID:** I6010-01MS **Client ID:** FK-PS-01-018MSD
Percent Solids for Sample: 91.4 **Duplicate ID** I6010-01MSD **Percent Solids for Spike Sample:** 91.4

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	1.9		1.9		0		



GENCHEM

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: LB90985

SDG No.: LB90985

Contract:

Lab Code: CHEM

Case No.: LB90985

SAS No.: LB90985

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB103489BS Cyanide	mg/Kg	4.9	4.6		93.9	85 - 115	