

Daily Analysis Runlog For Sequence/QC Batch ID # LB95818

Review By		Review On				
SubDirectory		LB95818		Test : Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP65035,WP65036,WP65037,WP65038,WP35039,WP35040,WP65041				
ICV Standard		W1542				
CCV Standard		WP65042				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP62802				
Chk Standard		WP65044,WP65695,WP64696				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	06/05/18 08:05		OK
2	5.0PPBCN	5.0PPBCN	CAL2	06/05/18 08:05		OK
3	10PPBCN	10PPBCN	CAL3	06/05/18 08:05		OK
4	50PPBCN	50PPBCN	CAL4	06/05/18 08:05		OK
5	100PPBCN	100PPBCN	CAL5	06/05/18 08:05		OK
6	250PPBCN	250PPBCN	CAL6	06/05/18 08:05		OK
7	500PPBCN	500PPBCN	CAL7	06/05/18 08:05		OK
8	ICV1	ICV1	ICV	06/05/18 09:05		OK
9	ICB1	ICB1	ICB	06/05/18 09:05		OK
10	CCV1	CCV1	CCV	06/05/18 09:05		OK
11	CCB1	CCB1	CCB	06/05/18 09:05		OK
12	PB109954BL	PB109954BL	MB	06/05/18 09:05		OK
13	PB109954BS	PB109954BS	LCS	06/05/18 09:05		OK
14	LOWPB109954	LOWPB109954	SAM	06/05/18 09:05		OK
15	HIGHPB109954	HIGHPB109954	SAM	06/05/18 09:05		OK
16	J3239-01	AU-05-060118-A	SAM	06/05/18 09:05		OK
17	J3239-01DUP	AU-05-060118-ADUP	DUP	06/05/18 09:05		OK
18	J3239-01MS	AU-05-060118-AMS	MS	06/05/18 09:05		OK
19	J3239-01MSD	AU-05-060118-AMSD	MSD	06/05/18 09:12		OK
20	J3239-03	AU-05-060118-B	SAM	06/05/18 09:12		OK
21	J3239-05	AU-05-060118-C	SAM	06/05/18 09:13		OK

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

Daily Analysis Runlog For Sequence/QCBatch ID # LB95818

Review By		Review On				
SubDirectory		Test :				
LB95818		Cyanide				

STD. NAME	STD REF.#
ICAL Standard	WP65035,WP65036,WP65037,WP65038,WP35039,WP35040,WP65041
ICV Standard	W1542
CCV Standard	WP65042
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP62802
Chk Standard	WP65044,WP65695,WP64696

22	CCV2	CCV2	CCV	06/05/18 09:13		OK
23	CCB2	CCB2	CCB	06/05/18 09:13		OK
24	J3239-07	AU-05-060118-D	SAM	06/05/18 09:13		OK
25	J3243-01	NB-08-060118-A	SAM	06/05/18 09:13		OK
26	J3243-03	NB-08-060118-B	SAM	06/05/18 09:13		OK
27	J3259-01	RS-RO-274318	SAM	06/05/18 09:13		OK
28	J3262-01	RS-RO-274319	SAM	06/05/18 09:13		OK
29	J3263-01	RS-RO-124022	SAM	06/05/18 09:13		OK
30	J3266-01	RS-RB-36793RT	SAM	06/05/18 09:17		OK
31	CCV3	CCV3	CCV	06/05/18 09:17		OK
32	CCB3	CCB3	CCB	06/05/18 09:17		OK



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

Report of Analysis

Client:		Date Collected:	
Project:	LB95818	Date Received:	
Client Sample ID:	HIGHPB109954	SDG No.:	LB95818
Lab Sample ID:	HIGHPB109954	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		06/05/2018	9012B



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

Report of Analysis

Client:		Date Collected:	6/1/2018 12:00:00 AM
Project:	LB95818	Date Received:	6/1/2018 12:00:00 AM
Client Sample ID:	AU-05-060118-A	SDG No.:	LB95818
Lab Sample ID:	J3239-01	Matrix:	Solid
Level (low/med):	low	% Solid:	89.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.4		1	0.036		0.27	mg/Kg	06/04/2018	06/05/2018	9012B

Report of Analysis

Client:		Date Collected:	6/1/2018 12:00:00 AM
Project:	LB95818	Date Received:	6/1/2018 12:00:00 AM
Client Sample ID:	AU-05-060118-B	SDG No.:	LB95818
Lab Sample ID:	J3239-03	Matrix:	Solid
Level (low/med):	low	% Solid:	88.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	-0.017	U	1	0.036		0.27	mg/Kg	06/04/2018	06/05/2018	9012B

Report of Analysis

Client:		Date Collected:	6/1/2018 12:00:00 AM
Project:	LB95818	Date Received:	6/1/2018 12:00:00 AM
Client Sample ID:	AU-05-060118-C	SDG No.:	LB95818
Lab Sample ID:	J3239-05	Matrix:	Solid
Level (low/med):	low	% Solid:	91.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.037	J	1	0.034		0.26	mg/Kg	06/04/2018	06/05/2018	9012B

Report of Analysis

Client:		Date Collected:	6/1/2018 12:00:00 AM
Project:	LB95818	Date Received:	6/1/2018 12:00:00 AM
Client Sample ID:	AU-05-060118-D	SDG No.:	LB95818
Lab Sample ID:	J3239-07	Matrix:	Solid
Level (low/med):	low	% Solid:	89.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.0074	U	1	0.035		0.26	mg/Kg	06/04/2018	06/05/2018	9012B



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

Report of Analysis

Client:		Date Collected:	6/1/2018 12:00:00 AM
Project:	LB95818	Date Received:	6/1/2018 12:00:00 AM
Client Sample ID:	NB-08-060118-A	SDG No.:	LB95818
Lab Sample ID:	J3243-01	Matrix:	Solid
Level (low/med):	low	% Solid:	86.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.036	U	1	0.037		0.28	mg/Kg	06/04/2018	06/05/2018	9012B



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

Report of Analysis

Client:		Date Collected:	6/1/2018 12:00:00 AM
Project:	LB95818	Date Received:	6/1/2018 12:00:00 AM
Client Sample ID:	NB-08-060118-B	SDG No.:	LB95818
Lab Sample ID:	J3243-03	Matrix:	Solid
Level (low/med):	low	% Solid:	88.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.0069	U	1	0.036		0.27	mg/Kg	06/04/2018	06/05/2018	9012B



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

Report of Analysis

Client:		Date Collected:	6/1/2018 12:00:00 AM
Project:	LB95818	Date Received:	6/1/2018 12:00:00 AM
Client Sample ID:	RS-RO-274318	SDG No.:	LB95818
Lab Sample ID:	J3259-01	Matrix:	Solid
Level (low/med):	low	% Solid:	84

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.059	J	1	0.039		0.29	mg/Kg	06/04/2018	06/05/2018	9012B



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

Report of Analysis

Client:		Date Collected:	6/1/2018 12:00:00 AM
Project:	LB95818	Date Received:	6/1/2018 12:00:00 AM
Client Sample ID:	RS-RO-274319	SDG No.:	LB95818
Lab Sample ID:	J3262-01	Matrix:	Solid
Level (low/med):	low	% Solid:	69.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.42		1	0.047		0.36	mg/Kg	06/04/2018	06/05/2018	9012B

Report of Analysis

Client:		Date Collected:	6/1/2018 12:00:00 AM
Project:	LB95818	Date Received:	6/1/2018 12:00:00 AM
Client Sample ID:	RS-RO-124022	SDG No.:	LB95818
Lab Sample ID:	J3263-01	Matrix:	Solid
Level (low/med):	low	% Solid:	85.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.026	U	1	0.037		0.28	mg/Kg	06/04/2018	06/05/2018	9012B

Report of Analysis

Client:		Date Collected:	6/1/2018 12:00:00 AM
Project:	LB95818	Date Received:	6/1/2018 12:00:00 AM
Client Sample ID:	RS-RB-36793RT	SDG No.:	LB95818
Lab Sample ID:	J3266-01	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	-0.0065	U	1	0.035		0.27	mg/Kg	06/04/2018	06/05/2018	9012B



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

Report of Analysis

Client:		Date Collected:	
Project:	LB95818	Date Received:	
Client Sample ID:	LOWPB109954	SDG No.:	LB95818
Lab Sample ID:	LOWPB109954	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	0.0091		1	0.003		0.005	mg/L		06/05/2018	9012B



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

Report of Analysis

Client:		Date Collected:	
Project:	LB95818	Date Received:	
Client Sample ID:	LOWPB109954	SDG No.:	LB95818
Lab Sample ID:	LOWPB109954	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

Sample ID	Analyte	Result	True Value	% Recovery	Qual	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
		mg/L								
ICV1	Cyanide	0.097	0.099	98		85 - 115		06/05/2018	09:05	LB95818



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB95818

SDG No.: LB95818

Contract: _____ Lab Code: CHEM

Case No.: LB95818

SAS No.: LB95818

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		06/05/2018	09:05	LB95818
CCV2	Cyanide	0.25	0.25	100		90 - 110		06/05/2018	09:13	LB95818
CCV3	Cyanide	0.26	0.25	104		90 - 110		06/05/2018	09:17	LB95818



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB95818 **SDG No.:** LB95818
Contract: **Lab Code:** CHEM **Case No.:** LB95818 **SAS No.:** LB95818

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Cyanide	-0.00076	+/-0.005	U		0.005		06/05/2018	09:05	LB95818



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB95818

SDG No.: LB95818

Contract:

Lab Code: CHEM

Case No.: LB95818

SAS No.: LB95818

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Cyanide	-0.0009	+/-0.005	U		0.005		06/05/2018	09:05	LB95818
CCB2	Cyanide	-0.00064	+/-0.005	U		0.005		06/05/2018	09:13	LB95818
CCB3	Cyanide	-0.0012	+/-0.005	U		0.005		06/05/2018	09:17	LB95818



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB95818

SDG No.: LB95818

Contract: Lab Code: CHEM

Case No.: LB95818

SAS No.: LB95818

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: LB95818 **SDG No.:** LB95818

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
PB109954BL	Cyanide	SOLID -0.024	<0.25	Batch Number: U		PB109954 0.25		Prep Date: 06/05/2018	06/04/2018 09:05	LB95818



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB95818 level: low sdg no.: LB95818
contract: lab code: CHEM case no.: LB95818 sas no.: LB95818
matrix: Solid sample id: J3239-01 client id: AU-05-060118-AMS
Percent Solids for Sample: 89.2 Spiked ID: J3239-01MS Percent Solids for Spike Sample: 89.2

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	2.8		0.4		2.2	109		

GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB95818 level: low sdg no.: LB95818
contract: lab code: CHEM case no.: LB95818 sas no.: LB95818
matrix: Solid sample id: J3239-01 client id: AU-05-060118-AMSD
Percent Solids for Sample: 89.2 Spiked ID: J3239-01MSD Percent Solids for Spike Sample: 89.2

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	2.8		0.4		2.2	109		

GENCHEM

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB95818 **Level:** LOW **SDG No.:** LB95818
Contract: **Lab Code:** CHEM **Case No.:** LB95818 **SAS No.:** LB95818
Matrix: Solid **Sample ID:** J3239-01 **Client ID:** AU-05-060118-ADUP
Percent Solids for Sample: 89.2 **Duplicate ID** J3239-01DUP **Percent Solids for Spike Sample:** 89.2

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	0.4		0.4		0		

GENCHEM

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB95818 **Level:** LOW **SDG No.:** LB95818
Contract: **Lab Code:** CHEM **Case No.:** LB95818 **SAS No.:** LB95818
Matrix: Solid **Sample ID:** J3239-01MS **Client ID:** AU-05-060118-AMSD
Percent Solids for Sample: 89.2 **Duplicate ID** J3239-01MSD **Percent Solids for Spike Sample:** 89.2

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	2.8		2.8		0		

