

Daily Analysis Runlog For Sequence/QC Batch ID # LB95194

Review By		Review On				
SubDirectory		LB95194		Test : Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP64301,WP64302,WP64304,WP64305,WP64306,WP64307,WP64308				
ICV Standard		W1542				
CCV Standard		WP64309				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP62802				
Chk Standard		WP64311,,WP59958,WP60878				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	05/08/18 09:51		OK
2	5.0PPBCN	5.0PPBCN	CAL2	05/08/18 09:51		OK
3	10PPBCN	10PPBCN	CAL3	05/08/18 09:51		OK
4	50PPBCN	50PPBCN	CAL4	05/08/18 09:51		OK
5	100PPBCN	100PPBCN	CAL5	05/08/18 09:51		OK
6	250PPBCN	250PPBCN	CAL6	05/08/18 09:51		OK
7	500PPBCN	500PPBCN	CAL7	05/08/18 09:51		OK
8	ICV1	ICV1	ICV	05/08/18 14:15		OK
9	ICB1	ICB1	ICB	05/08/18 14:15		OK
10	CCV1	CCV1	CCV	05/08/18 14:15		OK
11	CCB1	CCB1	CCB	05/08/18 14:15		OK
12	PB109036BL	PB109036BL	MB	05/08/18 14:15		OK
13	PB109036BS	PB109036BS	LCS	05/08/18 14:15		OK
14	J2671-01	AU-02-050718-A	SAM	05/08/18 14:15		OK
15	J2671-01DUP	AU-02-050718-ADUP	DUP	05/08/18 14:15		OK
16	J2671-01MS	AU-02-050718-AMS	MS	05/08/18 14:15		OK
17	J2671-01MSD	AU-02-050718-AMSD	MSD	05/08/18 14:15		OK
18	J2671-03	AU-02-050718-B	SAM	05/08/18 14:15		OK
19	J2674-01	HD-02-050718	SAM	05/08/18 14:23		OK
20	J2676-03	CL-01-050718-B	SAM	05/08/18 14:23		OK
21	J2676-05	CL-01-050718-C	SAM	05/08/18 14:23		OK

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

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SubDirectory		Test : Cyanide				
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ICAL Standard		WP64301,WP64302,WP64304,WP64305,WP64306,WP64307,WP64308				
ICV Standard		W1542				
CCV Standard		WP64309				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP62802				
Chk Standard		WP64311,,WP59958,WP60878				
22	CCV2	CCV2	CCV	05/08/18 14:23		OK
23	CCB2	CCB2	CCB	05/08/18 14:23		OK
24	J2676-07	CL-01-050718-D	SAM	05/08/18 14:23		OK
25	J2676-09	CL-01-050718-E	SAM	05/08/18 14:23		OK
26	J2759-04	TP-2A-COMP	SAM	05/08/18 14:23		OK
27	J2759-07	TP-2B-COMP	SAM	05/08/18 14:23		OK
28	J2676-01	CL-01-050718-A	SAM	05/08/18 14:44		OK
29	CCV3	CCV3	CCV	05/08/18 14:44		OK
30	CCB3	CCB3	CCB	05/08/18 14:44		OK



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Report of Analysis

Client:		Date Collected:	5/7/2018 12:00:00 AM
Project:	LB95194	Date Received:	5/7/2018 12:00:00 AM
Client Sample ID:	AU-02-050718-A	SDG No.:	LB95194
Lab Sample ID:	J2671-01	Matrix:	Solid
Level (low/med):	low	% Solid:	90.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.046	J	1	0.035		0.27	mg/Kg	05/08/2018	05/08/2018	9012B



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Report of Analysis

Client:		Date Collected:	5/7/2018 12:00:00 AM
Project:	LB95194	Date Received:	5/7/2018 12:00:00 AM
Client Sample ID:	AU-02-050718-B	SDG No.:	LB95194
Lab Sample ID:	J2671-03	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	-0.0021	U	1	0.034		0.26	mg/Kg	05/08/2018	05/08/2018	9012B



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Report of Analysis

Client:		Date Collected:	5/7/2018 12:00:00 AM
Project:	LB95194	Date Received:	5/7/2018 12:00:00 AM
Client Sample ID:	HD-02-050718	SDG No.:	LB95194
Lab Sample ID:	J2674-01	Matrix:	Solid
Level (low/med):	low	% Solid:	84.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.056	J	1	0.037		0.28	mg/Kg	05/08/2018	05/08/2018	9012B



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Report of Analysis

Client:		Date Collected:	5/7/2018 12:00:00 AM
Project:	LB95194	Date Received:	5/7/2018 12:00:00 AM
Client Sample ID:	CL-01-050718-A	SDG No.:	LB95194
Lab Sample ID:	J2676-01	Matrix:	Solid
Level (low/med):	low	% Solid:	96.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	-0.01	U	1	0.034		0.26	mg/Kg	05/08/2018	05/08/2018	9012B



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Report of Analysis

Client:		Date Collected:	5/7/2018 12:00:00 AM
Project:	LB95194	Date Received:	5/7/2018 12:00:00 AM
Client Sample ID:	CL-01-050718-B	SDG No.:	LB95194
Lab Sample ID:	J2676-03	Matrix:	Solid
Level (low/med):	low	% Solid:	94.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.015	U	1	0.033		0.25	mg/Kg	05/08/2018	05/08/2018	9012B



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Report of Analysis

Client:		Date Collected:	5/7/2018 12:00:00 AM
Project:	LB95194	Date Received:	5/7/2018 12:00:00 AM
Client Sample ID:	CL-01-050718-C	SDG No.:	LB95194
Lab Sample ID:	J2676-05	Matrix:	Solid
Level (low/med):	low	% Solid:	94.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.025	U	1	0.034		0.25	mg/Kg	05/08/2018	05/08/2018	9012B



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Report of Analysis

Client:		Date Collected:	5/7/2018 12:00:00 AM
Project:	LB95194	Date Received:	5/7/2018 12:00:00 AM
Client Sample ID:	CL-01-050718-D	SDG No.:	LB95194
Lab Sample ID:	J2676-07	Matrix:	Solid
Level (low/med):	low	% Solid:	92.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.056	J	1	0.034		0.25	mg/Kg	05/08/2018	05/08/2018	9012B

Report of Analysis

Client:		Date Collected:	5/7/2018 12:00:00 AM
Project:	LB95194	Date Received:	5/7/2018 12:00:00 AM
Client Sample ID:	CL-01-050718-E	SDG No.:	LB95194
Lab Sample ID:	J2676-09	Matrix:	Solid
Level (low/med):	low	% Solid:	92.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.064	J	1	0.034		0.26	mg/Kg	05/08/2018	05/08/2018	9012B



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Report of Analysis

Client:		Date Collected:	5/4/2018 12:00:00 AM
Project:	LB95194	Date Received:	5/4/2018 12:00:00 AM
Client Sample ID:	TP-2A-COMP	SDG No.:	LB95194
Lab Sample ID:	J2759-04	Matrix:	Solid
Level (low/med):	low	% Solid:	85.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	-0.015	U	1	0.037		0.28	mg/Kg	05/08/2018	05/08/2018	9012B



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Report of Analysis

Client:		Date Collected:	5/4/2018 12:00:00 AM
Project:	LB95194	Date Received:	5/4/2018 12:00:00 AM
Client Sample ID:	TP-2B-COMP	SDG No.:	LB95194
Lab Sample ID:	J2759-07	Matrix:	Solid
Level (low/med):	low	% Solid:	86.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.0027	U	1	0.036		0.28	mg/Kg	05/08/2018	05/08/2018	9012B



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Report of Analysis

Client:		Date Collected:	5/4/2018 12:00:00 AM
Project:	LB95194	Date Received:	5/4/2018 12:00:00 AM
Client Sample ID:	TP-2B-COMP	SDG No.:	LB95194
Lab Sample ID:	J2759-07	Matrix:	Solid
Level (low/med):	low	% Solid:	86.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
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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: LB95194

SDG No.: LB95194

Contract: _____

Lab Code: CHEM

Case No.: LB95194

SAS No.: LB95194

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	0.098	0.099	99		85 - 115		05/08/2018	14:15	LB95194



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB95194 **SDG No.:** LB95194
Contract: **Lab Code:** CHEM **Case No.:** LB95194 **SAS No.:** LB95194

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Cyanide	-0.00054	+/-0.005	U		0.005		05/08/2018	14:15	LB95194

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Cyanide	-0.00023	+/-0.005	U		0.005		05/08/2018	14:15	LB95194
CCB2	Cyanide	-0.00069	+/-0.005	U		0.005		05/08/2018	14:23	LB95194
CCB3	Cyanide	-0.00043	+/-0.005	U		0.005		05/08/2018	14:44	LB95194



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB95194

SDG No.: LB95194

Contract: Lab Code: CHEM

Case No.: LB95194

SAS No.: LB95194

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
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GENCHEM
- 3b -
PREPARATION BLANK SUMMARY

Client: LB95194

SDG No.: LB95194

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
PB109036BL		SOLID		Batch Number:		PB109036		Prep Date:	05/08/2018	
	Cyanide	-0.015	<0.25	U		0.25		05/08/2018	14:15	LB95194



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB95194 level: low sdg no.: LB95194
contract: lab code: CHEM case no.: LB95194 sas no.: LB95194
matrix: Solid sample id: J2671-01 client id: AU-02-050718-AMS
Percent Solids for Sample: 90.6 Spiked ID: J2671-01MS Percent Solids for Spike Sample: 90.6

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	1.8		0.046	J	2.1	84		



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB95194 level: low sdg no.: LB95194
contract: lab code: CHEM case no.: LB95194 sas no.: LB95194
matrix: Solid sample id: J2671-01 client id: AU-02-050718-AMSD
Percent Solids for Sample: 90.6 Spiked ID: J2671-01MSD Percent Solids for Spike Sample: 90.6

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	1.8		0.046	J	2.1	84		

GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB95194 **Level:** LOW **SDG No.:** LB95194
Contract: **Lab Code:** CHEM **Case No.:** LB95194 **SAS No.:** LB95194
Matrix: Solid **Sample ID:** J2671-01 **Client ID:** AU-02-050718-ADUP
Percent Solids for Sample: 90.6 **Duplicate ID** J2671-01DUP **Percent Solids for Spike Sample:** 90.6

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	0.046	J	-0.003	U	200.0	*	

GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB95194 Level: LOW SDG No.: LB95194
Contract: _____ Lab Code: CHEM Case No.: LB95194 SAS No.: LB95194
Matrix: Solid Sample ID: J2671-01MS Client ID: AU-02-050718-AMSD
Percent Solids for Sample: 90.6 Duplicate ID J2671-01MSD Percent Solids for Spike Sample: 90.6

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



GENCHEM

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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB95194

SDG No.: LB95194

Contract:

Lab Code: CHEM

Case No.: LB95194

SAS No.: LB95194

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB109036BS Cyanide	mg/Kg	5	4.9		98	85 - 115	