

Daily Analysis Runlog For Sequence/QC Batch ID # LB95014

Review By		Review On				
SubDirectory		LB95014		Test : Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP64117,WP64118,WP64119,WP64120,WP64121,WP64122,WP64123				
ICV Standard		W1542				
CCV Standard		WP64124				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP62802				
Chk Standard		WP64126,WP59958,WP60878				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	05/01/18 09:50		OK
2	5.0PPBCN	5.0PPBCN	CAL2	05/01/18 09:50		OK
3	10PPBCN	10PPBCN	CAL3	05/01/18 09:50		OK
4	50PPBCN	50PPBCN	CAL4	05/01/18 09:50		OK
5	100PPBCN	100PPBCN	CAL5	05/01/18 09:50		OK
6	250PPBCN	250PPBCN	CAL6	05/01/18 09:50		OK
7	500PPBCN	500PPBCN	CAL7	05/01/18 09:50		OK
8	ICV1	ICV1	ICV	05/01/18 13:32		OK
9	ICB1	ICB1	ICB	05/01/18 13:32		OK
10	CCV1	CCV1	CCV	05/01/18 13:32		OK
11	CCB1	CCB1	CCB	05/01/18 13:32		OK
12	PB108779BL	PB108779BL	MB	05/01/18 13:32		OK
13	PB108779BS	PB108779BS	LCS	05/01/18 13:32		OK
14	LOWPB108779	LOWPB108779	SAM	05/01/18 13:32		OK
15	HIGHPB108779	HIGHPB108779	SAM	05/01/18 13:32		OK
16	J2157-13	CL-02-043018-A	SAM	05/01/18 13:32		OK
17	J2157-13DUP	CL-02-043018-ADUP	DUP	05/01/18 13:32		OK
18	J2157-13MS	CL-02-043018-AMS	MS	05/01/18 13:32		OK
19	J2157-13MSD	CL-02-043018-AMSD	MSD	05/01/18 13:39		OK
20	J2157-15	CL-02-043018-B	SAM	05/01/18 13:39		OK
21	J2157-17	CL-02-043018-C	SAM	05/01/18 13:39		OK

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

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ICV Standard		W1542				
CCV Standard		WP64124				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP62802				
Chk Standard		WP64126,WP59958,WP60878				

22	CCV2	CCV2	CCV	05/01/18 13:39		OK
23	CCB2	CCB2	CCB	05/01/18 13:39		OK
24	J2157-19	CL-02-043018-D	SAM	05/01/18 13:39		OK
25	J2157-21	CL-02-043018-E	SAM	05/01/18 13:39		OK
26	J2642-01	WL-PH3-ZEO-01	SAM	05/01/18 13:39		OK
27	J2646-01	CS-DRUM-1-OILY-W	SAM	05/01/18 13:39		OK
28	J2647-01	CS-DRUM-2-OILY-W	SAM	05/01/18 13:39		OK
29	CCV3	CCV3	CCV	05/01/18 13:39		OK
30	CCB3	CCB3	CCB	05/01/18 13:43		OK



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Report of Analysis

Client:		Date Collected:	
Project:	LB95014	Date Received:	
Client Sample ID:	HIGHPB108779	SDG No.:	LB95014
Lab Sample ID:	HIGHPB108779	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	0.49		1	0.003		0.005	mg/L		05/01/2018	9012B



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Report of Analysis

Client:		Date Collected:	4/30/2018 12:00:00 AM
Project:	LB95014	Date Received:	4/30/2018 12:00:00 AM
Client Sample ID:	CL-02-043018-A	SDG No.:	LB95014
Lab Sample ID:	J2157-13	Matrix:	Solid
Level (low/med):	low	% Solid:	94

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.093	J	1	0.034		0.26	mg/Kg	05/01/2018	05/01/2018	9012B



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Report of Analysis

Client:		Date Collected:	4/30/2018 12:00:00 AM
Project:	LB95014	Date Received:	4/30/2018 12:00:00 AM
Client Sample ID:	CL-02-043018-B	SDG No.:	LB95014
Lab Sample ID:	J2157-15	Matrix:	Solid
Level (low/med):	low	% Solid:	90.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.1	J	1	0.035		0.27	mg/Kg	05/01/2018	05/01/2018	9012B



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Report of Analysis

Client:		Date Collected:	4/30/2018 12:00:00 AM
Project:	LB95014	Date Received:	4/30/2018 12:00:00 AM
Client Sample ID:	CL-02-043018-C	SDG No.:	LB95014
Lab Sample ID:	J2157-17	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	0.01	U	1	0.036		0.27	mg/Kg	05/01/2018	05/01/2018	9012B



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Report of Analysis

Client:		Date Collected:	4/30/2018 12:00:00 AM
Project:	LB95014	Date Received:	4/30/2018 12:00:00 AM
Client Sample ID:	CL-02-043018-D	SDG No.:	LB95014
Lab Sample ID:	J2157-19	Matrix:	Solid
Level (low/med):	low	% Solid:	83.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.05	J	1	0.038		0.29	mg/Kg	05/01/2018	05/01/2018	9012B



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Report of Analysis

Client:		Date Collected:	4/30/2018 12:00:00 AM
Project:	LB95014	Date Received:	4/30/2018 12:00:00 AM
Client Sample ID:	CL-02-043018-E	SDG No.:	LB95014
Lab Sample ID:	J2157-21	Matrix:	Solid
Level (low/med):	low	% Solid:	87.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.084	J	1	0.037		0.28	mg/Kg	05/01/2018	05/01/2018	9012B



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Report of Analysis

Client:		Date Collected:	4/27/2018 12:00:00 AM
Project:	LB95014	Date Received:	4/28/2018 12:00:00 AM
Client Sample ID:	WL-PH3-ZEO-01	SDG No.:	LB95014
Lab Sample ID:	J2642-01	Matrix:	Solid
Level (low/med):	low	% Solid:	62.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.051	J	1	0.051		0.39	mg/Kg	05/01/2018	05/01/2018	9012B



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Report of Analysis

Client:		Date Collected:	4/30/2018 12:00:00 AM
Project:	LB95014	Date Received:	4/30/2018 12:00:00 AM
Client Sample ID:	CS-DRUM-1-OILY-WIPE	SDG No.:	LB95014
Lab Sample ID:	J2646-01	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.11	J	1	0.031		0.23	mg/Kg	05/01/2018	05/01/2018	9012B



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Report of Analysis

Client:		Date Collected:	4/30/2018 12:00:00 AM
Project:	LB95014	Date Received:	4/30/2018 12:00:00 AM
Client Sample ID:	CS-DRUM-2-OILY-WIPE	SDG No.:	LB95014
Lab Sample ID:	J2647-01	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.25		1	0.031		0.24	mg/Kg	05/01/2018	05/01/2018	9012B



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Report of Analysis

Client:		Date Collected:	
Project:	LB95014	Date Received:	
Client Sample ID:	LOWPB108779	SDG No.:	LB95014
Lab Sample ID:	LOWPB108779	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	0.0095		1	0.003		0.005	mg/L		05/01/2018	9012B



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Report of Analysis

Client:		Date Collected:	
Project:	LB95014	Date Received:	
Client Sample ID:	LOWPB108779	SDG No.:	LB95014
Lab Sample ID:	LOWPB108779	Matrix:	WATER
Level (low/med):	low	% Solid:	0

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: LB95014

SDG No.: LB95014

Contract: _____

Lab Code: CHEM

Case No.: LB95014

SAS No.: LB95014

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	0.095	0.099	96		85 - 115		05/01/2018	13:32	lb95014



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB95014

SDG No.: LB95014

Contract: _____ Lab Code: CHEM

Case No.: LB95014

SAS No.: LB95014

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		05/01/2018	13:32	lb95014
CCV2	Cyanide	0.26	0.25	104		90 - 110		05/01/2018	13:39	lb95014
CCV3	Cyanide	0.24	0.25	96		90 - 110		05/01/2018	13:39	lb95014



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB95014

SDG No.: LB95014

Contract:

Lab Code: CHEM

Case No.: LB95014

SAS No.: LB95014

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Cyanide	-0.00077	+/-0.005	U		0.005		05/01/2018	13:32	lb95014

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Cyanide	-0.00063	+/-0.005	U		0.005		05/01/2018	13:32	lb95014
CCB2	Cyanide	-0.00072	+/-0.005	U		0.005		05/01/2018	13:39	lb95014
CCB3	Cyanide	-0.0012	+/-0.005	U		0.005		05/01/2018	13:43	lb95014



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB95014

SDG No.: LB95014

Contract: Lab Code: CHEM

Case No.: LB95014

SAS No.: LB95014

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

Client: LB95014

SDG No.: LB95014

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
PB108779BL	Cyanide	SOLID -0.032	<0.25	Batch Number: U		PB108779 0.25		Prep Date: 05/01/2018	05/01/2018 13:32	lb95014



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB95014 level: low sdg no.: LB95014
contract: lab code: CHEM case no.: LB95014 sas no.: LB95014
matrix: Solid sample id: J2157-13 client id: CL-02-043018-AMS
Percent Solids for Sample: 94 Spiked ID: J2157-13MS Percent Solids for Spike Sample: 94

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	1.8		0.093	J	2	85		



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- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB95014 level: low sdg no.: LB95014
contract: lab code: CHEM case no.: LB95014 sas no.: LB95014
matrix: Solid sample id: J2157-13 client id: CL-02-043018-AMSD
Percent Solids for Sample: 94 Spiked ID: J2157-13MSD Percent Solids for Spike Sample: 94

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	1.8		0.093	J	2	85		

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DUPLICATE SAMPLE SUMMARY

Client: LB95014 **Level:** LOW **SDG No.:** LB95014
Contract: **Lab Code:** CHEM **Case No.:** LB95014 **SAS No.:** LB95014
Matrix: Solid **Sample ID:** J2157-13 **Client ID:** CL-02-043018-ADUP
Percent Solids for Sample: 94 **Duplicate ID** J2157-13DUP **Percent Solids for Spike Sample:** 94

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	0.093	J	0.047	J	66	*	

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DUPLICATE SAMPLE SUMMARY

Client: LB95014 **Level:** LOW **SDG No.:** LB95014
Contract: **Lab Code:** CHEM **Case No.:** LB95014 **SAS No.:** LB95014
Matrix: Solid **Sample ID:** J2157-13MS **Client ID:** CL-02-043018-AMSD
Percent Solids for Sample: 94 **Duplicate ID** J2157-13MSD **Percent Solids for Spike Sample:** 94

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



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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB95014 SDG No.: LB95014
Contract: Lab Code: CHEM Case No.: LB95014 SAS No.: LB95014

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB108779BS Cyanide	mg/Kg	5	4.8		96	85 - 115	