

Daily Analysis Runlog For Sequence/QC Batch ID # LB94531

Review By		Review On				
SubDirectory		LB94531		Test : Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		wp63582,wp63583,wp63584,wp63585,wp63586,wp63587,wp63588				
ICV Standard		W1542				
CCV Standard		wp63589				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP62802				
Chk Standard		wp63580,wp59958,wp60878				

Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	04/11/18 12:05		
2	5.0PPBCN	5.0PPBCN	CAL2	04/11/18 12:05		
3	10PPBCN	10PPBCN	CAL3	04/11/18 12:05		
4	50PPBCN	50PPBCN	CAL4	04/11/18 12:05		
5	100PPBCN	100PPBCN	CAL5	04/11/18 12:05		
6	250PPBCN	250PPBCN	CAL6	04/11/18 12:05		
7	500PPBCN	500PPBCN	CAL7	04/11/18 12:05		
8	ICV1	ICV1	ICV	04/11/18 13:19		
9	ICB1	ICB1	ICB	04/11/18 13:19		
10	CCV1	CCV1	CCV	04/11/18 13:19		
11	CCB1	CCB1	CCB	04/11/18 13:19		
12	PB108158BL	PB108158BL	MB	04/11/18 13:19		
13	PB108158BS	PB108158BS	LCS	04/11/18 13:19		
14	LOWPB108158	LOWPB108158	SAM	04/11/18 13:19		
15	HIGHPB108158	HIGHPB108158	SAM	04/11/18 13:19		
16	J2161-01	OR-02-041018-A	SAM	04/11/18 13:19		
17	J2161-01DUP	OR-02-041018-ADUP	DUP	04/11/18 13:19		
18	J2161-01MS	OR-02-041018-AMS	MS	04/11/18 13:19		
19	J2161-01MSD	OR-02-041018-AMSD	MSD	04/11/18 13:26		
20	J2161-03	OR-02-041018-B	SAM	04/11/18 13:26		
21	J2325-01	FK-GF-02-015-A	SAM	04/11/18 13:26		

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

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ICAL Standard		wp63582,wp63583,wp63584,wp63585,wp63586,wp63587,wp63588				
ICV Standard		W1542				
CCV Standard		wp63589				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP62802				
Chk Standard		wp63580,wp59958,wp60878				
22	CCV2	CCV2	CCV	04/11/18 13:26		
23	CCB2	CCB2	CCB	04/11/18 13:26		
24	J2325-03	FK-GF-02-015-B	SAM	04/11/18 13:26		
25	CCV3	CCV3	CCV	04/11/18 13:26		
26	CCB3	CCB3	CCB	04/11/18 13:26		



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Report of Analysis

Client:		Date Collected:	
Project:	LB94531	Date Received:	
Client Sample ID:	HIGHPB108158	SDG No.:	LB94531
Lab Sample ID:	HIGHPB108158	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		04/11/2018	9012B



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Report of Analysis

Client:		Date Collected:	4/10/2018 12:00:00 AM
Project:	LB94531	Date Received:	4/10/2018 12:00:00 AM
Client Sample ID:	OR-02-041018-A	SDG No.:	LB94531
Lab Sample ID:	J2161-01	Matrix:	Solid
Level (low/med):	low	% Solid:	93.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.064	J	1	0.032		0.24	mg/Kg	04/11/2018	04/11/2018	9012B



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Report of Analysis

Client:		Date Collected:	4/10/2018 12:00:00 AM
Project:	LB94531	Date Received:	4/10/2018 12:00:00 AM
Client Sample ID:	OR-02-041018-B	SDG No.:	LB94531
Lab Sample ID:	J2161-03	Matrix:	Solid
Level (low/med):	low	% Solid:	90.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.079	J	1	0.034		0.26	mg/Kg	04/11/2018	04/11/2018	9012B



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Report of Analysis

Client:		Date Collected:	4/10/2018 12:00:00 AM
Project:	LB94531	Date Received:	4/10/2018 12:00:00 AM
Client Sample ID:	FK-GF-02-015-A	SDG No.:	LB94531
Lab Sample ID:	J2325-01	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	0.097	J	1	0.033		0.25	mg/Kg	04/11/2018	04/11/2018	9012B



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Report of Analysis

Client:		Date Collected:	4/10/2018 12:00:00 AM
Project:	LB94531	Date Received:	4/10/2018 12:00:00 AM
Client Sample ID:	FK-GF-02-015-B	SDG No.:	LB94531
Lab Sample ID:	J2325-03	Matrix:	Solid
Level (low/med):	low	% Solid:	91.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.11	J	1	0.033		0.25	mg/Kg	04/11/2018	04/11/2018	9012B



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Report of Analysis

Client:		Date Collected:	
Project:	LB94531	Date Received:	
Client Sample ID:	LOWPB108158	SDG No.:	LB94531
Lab Sample ID:	LOWPB108158	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	0.01		1	0.003		0.005	mg/L		04/11/2018	9012B



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Report of Analysis

Client:		Date Collected:	
Project:	LB94531	Date Received:	
Client Sample ID:	LOWPB108158	SDG No.:	LB94531
Lab Sample ID:	LOWPB108158	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: LB94531

SDG No.: LB94531

Contract: _____ Lab Code: CHEM

Case No.: LB94531

SAS No.: LB94531

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		04/11/2018	13:19	lb94531



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- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB94531

SDG No.: LB94531

Contract: _____ Lab Code: CHEM

Case No.: LB94531

SAS No.: LB94531

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		04/11/2018	13:19	lb94531
CCV2	Cyanide	0.25	0.25	100		90 - 110		04/11/2018	13:26	lb94531
CCV3	Cyanide	0.25	0.25	100		90 - 110		04/11/2018	13:26	lb94531



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB94531

SDG No.: LB94531

Contract:

Lab Code: CHEM

Case No.: LB94531

SAS No.: LB94531

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Cyanide	0.0001	+/-0.005	U		0.005		04/11/2018	13:19	lb94531

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		04/11/2018	13:19	1b94531
CCB2	Cyanide	-0	+/-0.005	U		0.005		04/11/2018	13:26	1b94531
CCB3	Cyanide	0.0001	+/-0.005	U		0.005		04/11/2018	13:26	1b94531



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB94531

SDG No.: LB94531

Contract: Lab Code: CHEM

Case No.: LB94531

SAS No.: LB94531

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: LB94531

SDG No.: LB94531

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
PB108158BL		SOLID		Batch Number:		PB108158		Prep Date:	04/11/2018	
	Cyanide	0.025	<0.25	U		0.25		04/11/2018	13:19	lb94531



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- 5a -
MATRIX SPIKE SUMMARY

client: LB94531 level: low sdg no.: LB94531
contract: lab code: CHEM case no.: LB94531 sas no.: LB94531
matrix: Solid sample id: J2161-01 client id: OR-02-041018-AMS
Percent Solids for Sample: 93.3 Spiked ID: J2161-01MS Percent Solids for Spike Sample: 93.3

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	1.6		0.064	J	1.9	81		



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB94531 level: low sdg no.: LB94531
contract: lab code: CHEM case no.: LB94531 sas no.: LB94531
matrix: Solid sample id: J2161-01 client id: OR-02-041018-AMSD
Percent Solids for Sample: 93.3 Spiked ID: J2161-01MSD Percent Solids for Spike Sample: 93.3

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	1.7		0.064	J	2	82		

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DUPLICATE SAMPLE SUMMARY

Client: LB94531 Level: LOW SDG No.: LB94531
Contract: _____ Lab Code: CHEM Case No.: LB94531 SAS No.: LB94531
Matrix: Solid Sample ID: J2161-01 Client ID: OR-02-041018-ADUP
Percent Solids for Sample: 93.3 Duplicate ID J2161-01DUP Percent Solids for Spike Sample: 93.3

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	0.064	J	0.088	J	32	*	

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DUPLICATE SAMPLE SUMMARY

Client: LB94531 **Level:** LOW **SDG No.:** LB94531
Contract: **Lab Code:** CHEM **Case No.:** LB94531 **SAS No.:** LB94531
Matrix: Solid **Sample ID:** J2161-01MS **Client ID:** OR-02-041018-AMSD
Percent Solids for Sample: 93.3 **Duplicate ID** J2161-01MSD **Percent Solids for Spike Sample:** 93.3

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	1.6		1.7		6		



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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB94531

SDG No.: LB94531

Contract:

Lab Code: CHEM

Case No.: LB94531

SAS No.: LB94531

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB108158BS Cyanide	mg/Kg	4.9	5.1		104.1	85 - 115	
