

Daily Analysis Runlog For Sequence/QC Batch ID # LB94777

Review By		Review On				
SubDirectory		LB94777		Test : Cyanide		

STD. NAME	STD REF.#
ICAL Standard	WP63857,WP63858,WP63859,WP63860,WP63861,WP63862,WP63863
ICV Standard	W1542
CCV Standard	WP63865
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP62802
Chk Standard	WP63864,WP59958,WP60878

Sr#	SampleId	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	04/20/18 10:20		
2	5.0PPBCN	5.0PPBCN	CAL2	04/20/18 10:20		
3	10PPBCN	10PPBCN	CAL3	04/20/18 10:20		
4	50PPBCN	50PPBCN	CAL4	04/20/18 10:20		
5	100PPBCN	100PPBCN	CAL5	04/20/18 10:20		
6	250PPBCN	250PPBCN	CAL6	04/20/18 10:20		
7	500PPBCN	500PPBCN	CAL7	04/20/18 10:20		
8	ICV1	ICV1	ICV	04/20/18 12:42		
9	ICB1	ICB1	ICB	04/20/18 12:42		
10	CCV1	CCV1	CCV	04/20/18 12:42		
11	CCB1	CCB1	CCB	04/20/18 12:42		
12	PB108427BL	PB108427BL	MB	04/20/18 12:42		
13	PB108427BS	PB108427BS	LCS	04/20/18 12:42		
14	LOWPB108427	LOWPB108427	SAM	04/20/18 12:42		
15	HIGHPB108427	HIGHPB108427	SAM	04/20/18 12:42		
16	J2460-01	MDP-B-1-0-6	SAM	04/20/18 12:42		
17	J2460-01DUP	MDP-B-1-0-6DUP	DUP	04/20/18 12:42		
18	J2460-01MS	MDP-B-1-0-6MS	MS	04/20/18 12:42		
19	J2460-01MSD	MDP-B-1-0-6MSD	MSD	04/20/18 12:48		
20	J2460-02	MDP-B-1-18-20	SAM	04/20/18 12:48		
21	J2460-03	MDP-B-2-0-6	SAM	04/20/18 12:48		

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

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ICAL Standard		WP63857,WP63858,WP63859,WP63860,WP63861,WP63862,WP63863				
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ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP62802				
Chk Standard		WP63864,WP59958,WP60878				
22	CCV2	CCV2	CCV	04/20/18 13:12		
23	CCB2	CCB2	CCB	04/20/18 13:12		
24	J2460-04	MDP-B-2-18-20	SAM	04/20/18 13:12		
25	CCV3	CCV3	CCV	04/20/18 13:12		
26	CCB3	CCB3	CCB	04/20/18 13:12		



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Report of Analysis

Client:		Date Collected:	
Project:	LB94777	Date Received:	
Client Sample ID:	HIGHPB108427	SDG No.:	LB94777
Lab Sample ID:	HIGHPB108427	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Cyanide	0.49		1	0.003		0.005	mg/L		04/20/2018	9014



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Report of Analysis

Client:		Date Collected:	4/18/2018 12:00:00 AM
Project:	LB94777	Date Received:	4/19/2018 12:00:00 AM
Client Sample ID:	MDP-B-1-0-6	SDG No.:	LB94777
Lab Sample ID:	J2460-01	Matrix:	Solid
Level (low/med):	low	% Solid:	95.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Cyanide	0.0038	U	1	0.034		0.26	mg/Kg	04/20/2018	04/20/2018	9014



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Report of Analysis

Client:		Date Collected:	4/18/2018 12:00:00 AM
Project:	LB94777	Date Received:	4/19/2018 12:00:00 AM
Client Sample ID:	MDP-B-1-18-20	SDG No.:	LB94777
Lab Sample ID:	J2460-02	Matrix:	Solid
Level (low/med):	low	% Solid:	76

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Cyanide	-0.066	U	1	0.041		0.31	mg/Kg	04/20/2018	04/20/2018	9014



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Report of Analysis

Client:		Date Collected:	4/18/2018 12:00:00 AM
Project:	LB94777	Date Received:	4/19/2018 12:00:00 AM
Client Sample ID:	MDP-B-2-0-6	SDG No.:	LB94777
Lab Sample ID:	J2460-03	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.
	Cyanide	0.037	J	1	0.035		0.26	mg/Kg	04/20/2018	04/20/2018	9014



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Report of Analysis

Client:		Date Collected:	4/18/2018 12:00:00 AM
Project:	LB94777	Date Received:	4/19/2018 12:00:00 AM
Client Sample ID:	MDP-B-2-18-20	SDG No.:	LB94777
Lab Sample ID:	J2460-04	Matrix:	Solid
Level (low/med):	low	% Solid:	80.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Cyanide	-0.042	U	1	0.039		0.29	mg/Kg	04/20/2018	04/20/2018	9014



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Report of Analysis

Client:		Date Collected:	
Project:	LB94777	Date Received:	
Client Sample ID:	LOWPB108427	SDG No.:	LB94777
Lab Sample ID:	LOWPB108427	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Cyanide	0.0091		1	0.003		0.005	mg/L		04/20/2018	9014



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Report of Analysis

Client:		Date Collected:	
Project:	LB94777	Date Received:	
Client Sample ID:	LOWPB108427	SDG No.:	LB94777
Lab Sample ID:	LOWPB108427	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



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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB94777

SDG No.: LB94777

Contract: _____ Lab Code: CHEM

Case No.: LB94777

SAS No.: LB94777

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	0.096	0.099	97		85 - 115		04/20/2018	12:42	LB94777



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- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB94777

SDG No.: LB94777

Contract: _____ Lab Code: CHEM

Case No.: LB94777

SAS No.: LB94777

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		04/20/2018	12:42	LB94777
CCV2	Cyanide	0.26	0.25	104		90 - 110		04/20/2018	13:12	LB94777
CCV3	Cyanide	0.26	0.25	104		90 - 110		04/20/2018	13:12	LB94777

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Cyanide	-0.0011	+/-0.005	U		0.005		04/20/2018	12:42	LB94777

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		04/20/2018	12:42	LB94777
CCB2	Cyanide	-0.00086	+/-0.005	U		0.005		04/20/2018	13:12	LB94777
CCB3	Cyanide	-0.00037	+/-0.005	U		0.005		04/20/2018	13:12	LB94777



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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB94777

SDG No.: LB94777

Contract: Lab Code: CHEM

Case No.: LB94777

SAS No.: LB94777

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

Client: LB94777

SDG No.: LB94777

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
PB108427BL	Cyanide	SOLID -0.051	<0.25	Batch Number: U		PB108427 0.25		Prep Date: 04/20/2018	04/20/2018 12:42	LB94777



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- 5a -
MATRIX SPIKE SUMMARY

client: LB94777 level: low sdg no.: LB94777
contract: lab code: CHEM case no.: LB94777 sas no.: LB94777
matrix: Solid sample id: J2460-01 client id: MDP-B-1-0-6MS
Percent Solids for Sample: 95.1 Spiked ID: J2460-01MS Percent Solids for Spike Sample: 95.1

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	1.9		0.034	U	2	95		



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- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB94777 level: low sdg no.: LB94777
contract: lab code: CHEM case no.: LB94777 sas no.: LB94777
matrix: Solid sample id: J2460-01 client id: MDP-B-1-0-6MSD
Percent Solids for Sample: 95.1 Spiked ID: J2460-01MSD Percent Solids for Spike Sample: 95.1

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125		2	0.034	U	2	100		

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DUPLICATE SAMPLE SUMMARY

Client: LB94777 **Level:** LOW **SDG No.:** LB94777
Contract: **Lab Code:** CHEM **Case No.:** LB94777 **SAS No.:** LB94777
Matrix: Solid **Sample ID:** J2460-01 **Client ID:** MDP-B-1-0-6DUP
Percent Solids for Sample: 95.1 **Duplicate ID** J2460-01DUP **Percent Solids for Spike Sample:** 95.1

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	0.034	U	0.0099	U			

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DUPLICATE SAMPLE SUMMARY

Client: LB94777 **Level:** LOW **SDG No.:** LB94777
Contract: _____ **Lab Code:** CHEM **Case No.:** LB94777 **SAS No.:** LB94777
Matrix: Solid **Sample ID:** J2460-01MS **Client ID:** MDP-B-1-0-6MSD
Percent Solids for Sample: 95.1 **Duplicate ID** J2460-01MSD **Percent Solids for Spike Sample:** 95.1

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	1.9			2	5		



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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB94777

SDG No.: LB94777

Contract:

Lab Code: CHEM

Case No.: LB94777

SAS No.: LB94777

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB108427BS Cyanide	mg/Kg	4.9	4.8		98	85 - 115	