

Daily Analysis Runlog For Sequence/QC Batch ID # LB94706

Review By		Review On				
SubDirectory		LB94706		Test : Cyanide		

STD. NAME	STD REF.#
ICAL Standard	WP63786,WP63787,WP63788,WP63789,WP63790,WP63791,WP63792
ICV Standard	W1542
CCV Standard	WP63793
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP62802
Chk Standard	WP63795,WP59958,WP60878

Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	04/18/18 10:21		
2	5.0PPBCN	5.0PPBCN	CAL2	04/18/18 10:21		
3	10PPBCN	10PPBCN	CAL3	04/18/18 10:21		
4	50PPBCN	50PPBCN	CAL4	04/18/18 10:21		
5	100PPBCN	100PPBCN	CAL5	04/18/18 10:21		
6	250PPBCN	250PPBCN	CAL6	04/18/18 10:21		
7	500PPBCN	500PPBCN	CAL7	04/18/18 10:21		
8	ICV1	ICV1	ICV	04/18/18 13:19		
9	ICB1	ICB1	ICB	04/18/18 13:19		
10	CCV1	CCV1	CCV	04/18/18 13:19		
11	CCB1	CCB1	CCB	04/18/18 13:19		
12	PB108355BL	PB108355BL	MB	04/18/18 13:19		
13	PB108355BS	PB108355BS	LCS	04/18/18 13:19		
14	LOWPB108355	LOWPB108355	SAM	04/18/18 13:19		
15	HIGHPB108355	HIGHPB108355	SAM	04/18/18 13:19		
16	J2423-01	NYS-RBR200034	SAM	04/18/18 13:20		
17	J2423-01DUP	NYS-RBR200034DU	DUP	04/18/18 13:20		
18	J2423-01MS	NYS-RBR200034MS	MS	04/18/18 13:20		
19	J2423-01MSD	NYS-RBR200034MS	MSD	04/18/18 13:27		
20	J2423-04	NYS-RBR200035	SAM	04/18/18 13:27		
21	J2424-01	FK-GF-02-016-A	SAM	04/18/18 13:27		

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

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SubDirectory		Test : Cyanide				
LB94706						
STD. NAME		STD REF.#				
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ICV Standard		W1542				
CCV Standard		WP63793				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP62802				
Chk Standard		WP63795,WP59958,WP60878				
22	CCV2	CCV2	CCV	04/18/18 13:27		
23	CCB2	CCB2	CCB	04/18/18 13:27		
24	J2424-03	FK-GF-02-016-B	SAM	04/18/18 13:27		
25	J2425-01	T-3	SAM	04/18/18 13:27		
26	J2427-01	T-2	SAM	04/18/18 13:27		
27	J2428-01	TP-1-TP-2	SAM	04/18/18 13:27		
28	CCV3	CCV3	CCV	04/18/18 13:35		
29	CCB3	CCB3	CCB	04/18/18 13:35		



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Report of Analysis

Client:		Date Collected:	
Project:	LB94706	Date Received:	
Client Sample ID:	HIGHPB108355	SDG No.:	LB94706
Lab Sample ID:	HIGHPB108355	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		04/18/2018	9012B



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Report of Analysis

Client:		Date Collected:	4/17/2018 12:00:00 AM
Project:	LB94706	Date Received:	4/17/2018 12:00:00 AM
Client Sample ID:	NYS-RBR200034	SDG No.:	LB94706
Lab Sample ID:	J2423-01	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	0.084	J	1	0.035		0.27	mg/Kg	04/18/2018	04/18/2018	9012B



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Report of Analysis

Client:		Date Collected:	4/17/2018 12:00:00 AM
Project:	LB94706	Date Received:	4/17/2018 12:00:00 AM
Client Sample ID:	NYS-RBR200035	SDG No.:	LB94706
Lab Sample ID:	J2423-04	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	0.089	J	1	0.036		0.27	mg/Kg	04/18/2018	04/18/2018	9012B



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Report of Analysis

Client:		Date Collected:	4/17/2018 12:00:00 AM
Project:	LB94706	Date Received:	4/17/2018 12:00:00 AM
Client Sample ID:	FK-GF-02-016-A	SDG No.:	LB94706
Lab Sample ID:	J2424-01	Matrix:	Solid
Level (low/med):	low	% Solid:	91.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.087	J	1	0.036		0.27	mg/Kg	04/18/2018	04/18/2018	9012B



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Report of Analysis

Client:		Date Collected:	4/17/2018 12:00:00 AM
Project:	LB94706	Date Received:	4/17/2018 12:00:00 AM
Client Sample ID:	FK-GF-02-016-B	SDG No.:	LB94706
Lab Sample ID:	J2424-03	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	0.047	J	1	0.035		0.26	mg/Kg	04/18/2018	04/18/2018	9012B



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Report of Analysis

Client:		Date Collected:	4/17/2018 12:00:00 AM
Project:	LB94706	Date Received:	4/17/2018 12:00:00 AM
Client Sample ID:	T-3	SDG No.:	LB94706
Lab Sample ID:	J2425-01	Matrix:	Solid
Level (low/med):	low	% Solid:	88.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.049	J	1	0.037		0.28	mg/Kg	04/18/2018	04/18/2018	9012B

Report of Analysis

Client:		Date Collected:	4/17/2018 12:00:00 AM
Project:	LB94706	Date Received:	4/17/2018 12:00:00 AM
Client Sample ID:	T-2	SDG No.:	LB94706
Lab Sample ID:	J2427-01	Matrix:	Solid
Level (low/med):	low	% Solid:	89.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.063	J	1	0.036		0.28	mg/Kg	04/18/2018	04/18/2018	9012B



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Report of Analysis

Client:		Date Collected:	4/17/2018 12:00:00 AM
Project:	LB94706	Date Received:	4/17/2018 12:00:00 AM
Client Sample ID:	TP-1-TP-2	SDG No.:	LB94706
Lab Sample ID:	J2428-01	Matrix:	Solid
Level (low/med):	low	% Solid:	79.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.094	J	1	0.038		0.29	mg/Kg	04/18/2018	04/18/2018	9012B



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Report of Analysis

Client:		Date Collected:	
Project:	LB94706	Date Received:	
Client Sample ID:	LOWPB108355	SDG No.:	LB94706
Lab Sample ID:	LOWPB108355	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		04/18/2018	9012B



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Report of Analysis

Client:		Date Collected:	
Project:	LB94706	Date Received:	
Client Sample ID:	LOWPB108355	SDG No.:	LB94706
Lab Sample ID:	LOWPB108355	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: LB94706

SDG No.: LB94706

Contract: _____ Lab Code: CHEM

Case No.: LB94706

SAS No.: LB94706

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		04/18/2018	13:19	LB94706
CCV2	Cyanide	0.26	0.25	104		90 - 110		04/18/2018	13:27	LB94706
CCV3	Cyanide	0.25	0.25	100		90 - 110		04/18/2018	13:35	LB94706



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB94706 **SDG No.:** LB94706
Contract: **Lab Code:** CHEM **Case No.:** LB94706 **SAS No.:** LB94706

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Cyanide	0.00042	+/-0.005	U		0.005		04/18/2018	13:19	LB94706



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB94706

SDG No.: LB94706

Contract:

Lab Code: CHEM

Case No.: LB94706

SAS No.: LB94706

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Cyanide	0.00064	+/-0.005	U		0.005		04/18/2018	13:19	LB94706
CCB2	Cyanide	0.0014	+/-0.005	U		0.005		04/18/2018	13:27	LB94706
CCB3	Cyanide	0.00063	+/-0.005	U		0.005		04/18/2018	13:35	LB94706



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB94706

SDG No.: LB94706

Contract: Lab Code: CHEM

Case No.: LB94706

SAS No.: LB94706

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: LB94706

SDG No.: LB94706

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
PB108355BL	Cyanide	SOLID 0.022	<0.25	Batch Number: U		PB108355 0.25		Prep Date: 04/18/2018	04/18/2018 13:19	LB94706



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB94706 level: low sdg no.: LB94706
contract: lab code: CHEM case no.: LB94706 sas no.: LB94706
matrix: Solid sample id: J2423-01 client id: NYS-RBR200034MS
Percent Solids for Sample: 91.2 Spiked ID: J2423-01MS Percent Solids for Spike Sample: 91.2

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	1.8		0.084	J	2.1	82		



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB94706 level: low sdg no.: LB94706
contract: lab code: CHEM case no.: LB94706 sas no.: LB94706
matrix: Solid sample id: J2423-01 client id: NYS-RBR200034MSD
Percent Solids for Sample: 91.2 Spiked ID: J2423-01MSD Percent Solids for Spike Sample: 91.2

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	1.7		0.084	J	2.1	77		



GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB94706 Level: LOW SDG No.: LB94706
Contract: _____ Lab Code: CHEM Case No.: LB94706 SAS No.: LB94706
Matrix: Solid Sample ID: J2423-01 Client ID: NYS-RBR200034DUP
Percent Solids for Sample: 91.2 Duplicate ID J2423-01DUP Percent Solids for Spike Sample: 91.2

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	0.084	J	0.062	J	30	*	

GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB94706 **Level:** LOW **SDG No.:** LB94706
Contract: **Lab Code:** CHEM **Case No.:** LB94706 **SAS No.:** LB94706
Matrix: Solid **Sample ID:** J2423-01MS **Client ID:** NYS-RBR200034MSD
Percent Solids for Sample: 91.2 **Duplicate ID** J2423-01MSD **Percent Solids for Spike Sample:** 91.2

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	1.8		1.7		6		



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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB94706

SDG No.: LB94706

Contract:

Lab Code: CHEM

Case No.: LB94706

SAS No.: LB94706

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB108355BS Cyanide	mg/Kg	4.8	4.6		95.8	85 - 115	