

Daily Analysis Runlog For Sequence/QC Batch ID # LB93796

Review By		Review On				
SubDirectory		LB93796		Test : Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP62570,WP62571,WP62572,WP62573,WP62574,WP62575,WP62576				
ICV Standard		W1542				
CCV Standard		WP62577				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP58910				
Chk Standard		WP62579,WP60878,WP59958				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	03/09/18 09:50		OK
2	5.0PPBCN	5.0PPBCN	CAL2	03/09/18 09:50		OK
3	10PPBCN	10PPBCN	CAL3	03/09/18 09:50		OK
4	50PPBCN	50PPBCN	CAL4	03/09/18 09:50		OK
5	100PPBCN	100PPBCN	CAL5	03/09/18 09:50		OK
6	250PPBCN	250PPBCN	CAL6	03/09/18 09:50		OK
7	500PPBCN	500PPBCN	CAL7	03/09/18 09:50		OK
8	ICV1	ICV1	ICV	03/09/18 11:59		OK
9	ICB1	ICB1	ICB	03/09/18 12:00		OK
10	CCV1	CCV1	CCV	03/09/18 12:00		OK
11	CCB1	CCB1	CCB	03/09/18 12:00		OK
12	PB107196BL	PB107196BL	MB	03/09/18 12:00		OK
13	PB107196BS	PB107196BS	LCS	03/09/18 12:00		OK
14	J1755-01	OK-03-030818	SAM	03/09/18 12:00		OK
15	J1755-01DUP	OK-03-030818DUP	DUP	03/09/18 12:00		OK
16	J1755-01MS	OK-03-030818MS	MS	03/09/18 12:00		OK
17	J1755-01MSD	OK-03-030818MSD	MSD	03/09/18 12:07		OK
18	J1853-01	TP1-WC	SAM	03/09/18 12:07		OK
19	J1855-03	TP-6-COMP	SAM	03/09/18 12:07		OK
20	CCV2	CCV2	CCV	03/09/18 12:07		OK
21	CCB2	CCB2	CCB	03/09/18 12:07		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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ICV Standard		W1542				
CCV Standard		WP62577				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP58910				
Chk Standard		WP62579,WP60878,WP59958				
22	J1855-06	TP-7-A-COMP	SAM	03/09/18 12:07		OK
23	J1855-09	TP-7-B-COMP	SAM	03/09/18 12:07		OK
24	J1855-13	TP-4-COMP	SAM	03/09/18 12:07		OK
25	LOWPB107196	LOWPB107196	SAM	03/09/18 12:30		OK
26	HIGHPB107196	HIGHPB107196	SAM	03/09/18 12:48		OK
27	CCV3	CCV3	CCV	03/09/18 12:48		OK
28	CCB3	CCB3	CCB	03/09/18 12:48		OK



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Report of Analysis

Client:		Date Collected:	
Project:	LB93796	Date Received:	
Client Sample ID:	HIGHPB107196	SDG No.:	LB93796
Lab Sample ID:	HIGHPB107196	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	0.52	OR	1	0.003		0.005	mg/L		03/09/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/8/2018 12:00:00 AM
Project:	LB93796	Date Received:	3/8/2018 12:00:00 AM
Client Sample ID:	OK-03-030818	SDG No.:	LB93796
Lab Sample ID:	J1755-01	Matrix:	Solid
Level (low/med):	low	% Solid:	86

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.081	J	1	0.038		0.28	mg/Kg	03/09/2018	03/09/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/8/2018 12:00:00 AM
Project:	LB93796	Date Received:	3/8/2018 12:00:00 AM
Client Sample ID:	TP1-WC	SDG No.:	LB93796
Lab Sample ID:	J1853-01	Matrix:	Solid
Level (low/med):	low	% Solid:	88.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.26	J	1	0.037		0.28	mg/Kg	03/09/2018	03/09/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/8/2018 12:00:00 AM
Project:	LB93796	Date Received:	3/8/2018 12:00:00 AM
Client Sample ID:	TP-6-COMP	SDG No.:	LB93796
Lab Sample ID:	J1855-03	Matrix:	Solid
Level (low/med):	low	% Solid:	88.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	-0.0033	U	1	0.037		0.28	mg/Kg	03/09/2018	03/09/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/8/2018 12:00:00 AM
Project:	LB93796	Date Received:	3/8/2018 12:00:00 AM
Client Sample ID:	TP-7-A-COMP	SDG No.:	LB93796
Lab Sample ID:	J1855-06	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	0.017	U	1	0.037		0.28	mg/Kg	03/09/2018	03/09/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/8/2018 12:00:00 AM
Project:	LB93796	Date Received:	3/8/2018 12:00:00 AM
Client Sample ID:	TP-7-B-COMP	SDG No.:	LB93796
Lab Sample ID:	J1855-09	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	-0.013	U	1	0.037		0.28	mg/Kg	03/09/2018	03/09/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/8/2018 12:00:00 AM
Project:	LB93796	Date Received:	3/8/2018 12:00:00 AM
Client Sample ID:	TP-4-COMP	SDG No.:	LB93796
Lab Sample ID:	J1855-13	Matrix:	Solid
Level (low/med):	low	% Solid:	85.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	-0.0025	U	1	0.037		0.28	mg/Kg	03/09/2018	03/09/2018	9012B



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Report of Analysis

Client:		Date Collected:	
Project:	LB93796	Date Received:	
Client Sample ID:	LOWPB107196	SDG No.:	LB93796
Lab Sample ID:	LOWPB107196	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	0.0094		1	0.003		0.005	mg/L		03/09/2018	9012B



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Report of Analysis

Client:		Date Collected:	
Project:	LB93796	Date Received:	
Client Sample ID:	LOWPB107196	SDG No.:	LB93796
Lab Sample ID:	LOWPB107196	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: LB93796

SDG No.: LB93796

Contract: _____ Lab Code: CHEM

Case No.: LB93796

SAS No.: LB93796

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		03/09/2018	11:59	LB93796



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB93796

SDG No.: LB93796

Contract: _____ Lab Code: CHEM

Case No.: LB93796

SAS No.: LB93796

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		03/09/2018	12:00	LB93796
CCV2	Cyanide	0.25	0.25	100		90 - 110		03/09/2018	12:07	LB93796
CCV3	Cyanide	0.27	0.25	108		90 - 110		03/09/2018	12:48	LB93796



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB93796 **SDG No.:** LB93796
Contract: **Lab Code:** CHEM **Case No.:** LB93796 **SAS No.:** LB93796

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Cyanide	-0.00039	+/-0.005	U		0.005		03/09/2018	12:00	LB93796

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Cyanide	-0.00059	+/-0.005	U		0.005		03/09/2018	12:00	LB93796
CCB2	Cyanide	-0.00034	+/-0.005	U		0.005		03/09/2018	12:07	LB93796
CCB3	Cyanide	-0.0001	+/-0.005	U		0.005		03/09/2018	12:48	LB93796



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB93796

SDG No.: LB93796

Contract: Lab Code: CHEM

Case No.: LB93796

SAS No.: LB93796

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: LB93796

SDG No.: LB93796

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
PB107196BL		SOLID		Batch Number:		PB107196		Prep Date:	03/09/2018	
	Cyanide	-0.023	<0.24	U		0.24		03/09/2018	12:00	LB93796



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- 5a -
MATRIX SPIKE SUMMARY

client: LB93796 level: low sdg no.: LB93796
contract: lab code: CHEM case no.: LB93796 sas no.: LB93796
matrix: Solid sample id: J1755-01 client id: OK-03-030818MS
Percent Solids for Sample: 86 Spiked ID: J1755-01MS Percent Solids for Spike Sample: 86

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	1.9		0.081	J	2.3	79		



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB93796 level: low sdg no.: LB93796
contract: lab code: CHEM case no.: LB93796 sas no.: LB93796
matrix: Solid sample id: J1755-01 client id: OK-03-030818MSD
Percent Solids for Sample: 86 Spiked ID: J1755-01MSD Percent Solids for Spike Sample: 86

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	1.9		0.081	J	2.3	79		

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DUPLICATE SAMPLE SUMMARY

Client: LB93796 Level: LOW SDG No.: LB93796
Contract: _____ Lab Code: CHEM Case No.: LB93796 SAS No.: LB93796
Matrix: Solid Sample ID: J1755-01 Client ID: OK-03-030818DUP
Percent Solids for Sample: 86 Duplicate ID J1755-01DUP Percent Solids for Spike Sample: 86

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	0.081	J	0.049	J	49	*	

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DUPLICATE SAMPLE SUMMARY

Client: LB93796 **Level:** LOW **SDG No.:** LB93796
Contract: **Lab Code:** CHEM **Case No.:** LB93796 **SAS No.:** LB93796
Matrix: Solid **Sample ID:** J1755-01MS **Client ID:** OK-03-030818MSD
Percent Solids for Sample: 86 **Duplicate ID** J1755-01MSD **Percent Solids for Spike Sample:** 86

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	1.9		1.9		0		



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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB93796

SDG No.: LB93796

Contract:

Lab Code: CHEM

Case No.: LB93796

SAS No.: LB93796

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB107196BS Cyanide	mg/Kg	4.9	4.8		98	85 - 115	