

Daily Analysis Runlog For Sequence/QC Batch ID # LB93875

Review By		Review On				
SubDirectory		LB93875		Test : Reactive Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP62659,WP62660,WP62661,WP62662,WP62663,WP62664,WP62666				
ICV Standard		WP62668				
CCV Standard		WP62667				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP62669,WP59958,WP60878				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	03/13/18 11:59		OK
2	5.0PPBCN	5.0PPBCN	CAL2	03/13/18 11:59		OK
3	10PPBCN	10PPBCN	CAL3	03/13/18 11:59		OK
4	50PPBCN	50PPBCN	CAL4	03/13/18 11:59		OK
5	100PPBCN	100PPBCN	CAL5	03/13/18 11:59		OK
6	250PPBCN	250PPBCN	CAL6	03/13/18 11:59		OK
7	500PPBCN	500PPBCN	CAL7	03/13/18 11:59		OK
8	ICV1	ICV1	ICV	03/13/18 15:14		OK
9	ICB1	ICB1	ICB	03/13/18 15:14		OK
10	CCV1	CCV1	CCV	03/13/18 15:14		OK
11	CCB1	CCB1	CCB	03/13/18 15:14		OK
12	PB107303BL	PB107303BL	MB	03/13/18 15:14		OK
13	J1753-02	HD-02-031218	SAM	03/13/18 15:14		OK
14	J1753-02DUP	HD-02-031218DUP	DUP	03/13/18 15:14		OK
15	J1890-02	DRUM	SAM	03/13/18 15:14		OK
16	J1893-02	TP-1	SAM	03/13/18 15:14		OK
17	J1898-04	TP-10-COMP	SAM	03/13/18 15:14		OK
18	J1898-08	TP-11A-COMP	SAM	03/13/18 15:14		OK
19	J1898-10	TP-11B-COMP	SAM	03/13/18 15:21		OK
20	J1898-14	TP-12-COMP	SAM	03/13/18 15:21		OK
21	CCV2	CCV2	CCV	03/13/18 15:21		OK



Instrument ID : KONELAB

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

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SubDirectory		Test : Reactive Cyanide				
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ICAL Standard		WP62659,WP62660,WP62661,WP62662,WP62663,WP62664,WP62666				
ICV Standard		WP62668				
CCV Standard		WP62667				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP62669,WP59958,WP60878				
22	CCB2	CCB2	CCB	03/13/18 15:21		OK
23	PB107305BL	PB107305BL	MB	03/13/18 15:21		OK
24	J1898-16	TP-11	SAM	03/13/18 15:21		OK
25	J1898-16DUP	TP-11DUP	DUP	03/13/18 15:21		OK
26	CCV3	CCV3	CCV	03/13/18 15:21		OK
27	CCB3	CCB3	CCB	03/13/18 15:21		OK



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Report of Analysis

Client:		Date Collected:	3/12/2018 12:00:00 AM
Project:	LB93875	Date Received:	3/12/2018 12:00:00 AM
Client Sample ID:	HD-02-031218	SDG No.:	LB93875
Lab Sample ID:	J1753-02	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0.005	U	1	0.025		0.05	mg/Kg	03/13/2018	03/13/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/12/2018 12:00:00 AM
Project:	LB93875	Date Received:	3/12/2018 12:00:00 AM
Client Sample ID:	DRUM	SDG No.:	LB93875
Lab Sample ID:	J1890-02	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0.005	U	1	0.025		0.05	mg/Kg	03/13/2018	03/13/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/12/2018 12:00:00 AM
Project:	LB93875	Date Received:	3/12/2018 12:00:00 AM
Client Sample ID:	TP-1	SDG No.:	LB93875
Lab Sample ID:	J1893-02	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0.0065	U	1	0.025		0.05	mg/Kg	03/13/2018	03/13/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/12/2018 12:00:00 AM
Project:	LB93875	Date Received:	3/12/2018 12:00:00 AM
Client Sample ID:	TP-10-COMP	SDG No.:	LB93875
Lab Sample ID:	J1898-04	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0.0059	U	1	0.025		0.05	mg/Kg	03/13/2018	03/13/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/12/2018 12:00:00 AM
Project:	LB93875	Date Received:	3/12/2018 12:00:00 AM
Client Sample ID:	TP-11A-COMP	SDG No.:	LB93875
Lab Sample ID:	J1898-08	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0.0051	U	1	0.025		0.05	mg/Kg	03/13/2018	03/13/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/12/2018 12:00:00 AM
Project:	LB93875	Date Received:	3/12/2018 12:00:00 AM
Client Sample ID:	TP-11B-COMP	SDG No.:	LB93875
Lab Sample ID:	J1898-10	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0.0041	U	1	0.025		0.05	mg/Kg	03/13/2018	03/13/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/12/2018 12:00:00 AM
Project:	LB93875	Date Received:	3/12/2018 12:00:00 AM
Client Sample ID:	TP-12-COMP	SDG No.:	LB93875
Lab Sample ID:	J1898-14	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0.0023	U	1	0.025		0.05	mg/Kg	03/13/2018	03/13/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/12/2018 12:00:00 AM
Project:	LB93875	Date Received:	3/12/2018 12:00:00 AM
Client Sample ID:	TP-11	SDG No.:	LB93875
Lab Sample ID:	J1898-16	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0.00054	U	1	0.0025		0.005	mg/L	03/13/2018	03/13/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/12/2018 12:00:00 AM
Project:	LB93875	Date Received:	3/12/2018 12:00:00 AM
Client Sample ID:	TP-11	SDG No.:	LB93875
Lab Sample ID:	J1898-16	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

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB93875

SDG No.: LB93875

Contract: _____ Lab Code: CHEM

Case No.: LB93875

SAS No.: LB93875

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	Reactive Cyanide	0.25	0.25	100		90 - 110		03/13/2018	15:14	LB93875
CCV2	Reactive Cyanide	0.25	0.25	100		90 - 110		03/13/2018	15:21	LB93875
CCV3	Reactive Cyanide	0.25	0.25	100		90 - 110		03/13/2018	15:21	LB93875



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB93875

SDG No.: LB93875

Contract:

Lab Code: CHEM

Case No.: LB93875

SAS No.: LB93875

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Reactive Cyanide	-0.00021	+/-0.005	U		0.005		03/13/2018	15:14	LB93875

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Reactive Cyanide	-0.00044	+/-0.005	U		0.005		03/13/2018	15:14	LB93875
CCB2	Reactive Cyanide	-0.0004	+/-0.005	U		0.005		03/13/2018	15:21	LB93875
CCB3	Reactive Cyanide	0	+/-0.005	U		0.005		03/13/2018	15:21	LB93875



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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB93875

SDG No.: LB93875

Contract: Lab Code: CHEM

Case No.: LB93875

SAS No.: LB93875

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: LB93875

SDG No.: LB93875

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
PB107303BL	Reactive Cyanide	SOLID		Batch Number:		PB107303		Prep Date:	03/13/2018	
		-0.0053	<0.05	U		0.05		03/13/2018	15:14	LB93875
Sample ID	Analyte	Result (mg/L)	Acceptance Limit	Conc Qual	LOD mg/L	CRQL mg/L	M	Analysis Date	Analysis Time	Run
PB107305BL	Reactive Cyanide	WATER		Batch Number:		PB107305		Prep Date:	03/13/2018	
		-0.00062	<0.005	U		0.005		03/13/2018	15:21	LB93875

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DUPLICATE SAMPLE SUMMARY

Client: LB93875 **Level:** LOW **SDG No.:** LB93875
Contract: **Lab Code:** CHEM **Case No.:** LB93875 **SAS No.:** LB93875
Matrix: Solid **Sample ID:** J1753-02 **Client ID:** HD-02-031218DUP
Percent Solids for Sample: 100 **Duplicate ID** J1753-02DUP **Percent Solids for Spike Sample:** 100

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Reactive Cyanide	mg/Kg	20	0.025	U	-0.005	U			

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DUPLICATE SAMPLE SUMMARY

Client: LB93875 **Level:** LOW **SDG No.:** LB93875
Contract: **Lab Code:** CHEM **Case No.:** LB93875 **SAS No.:** LB93875
Matrix: WATER **Sample ID:** J1898-16 **Client ID:** TP-11DUP
Percent Solids for Sample: 0 **Duplicate ID** J1898-16DUP **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Reactive Cyanide	mg/L	20	0.0025	U	-0.00032	U			