

Daily Analysis Runlog For Sequence/QC Batch ID # LB94009

Review By		Review On				
SubDirectory		LB94009		Test : Reactive Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP62845,WP62846,WP62847,WP62848,WP62849,WP62850,WP62851				
ICV Standard		WP62853				
CCV Standard		WP62852				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP62854,WP59958,WP60878				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	03/19/18 12:21		OK
2	5.0PPBCN	5.0PPBCN	CAL2	03/19/18 12:21		OK
3	10PPBCN	10PPBCN	CAL3	03/19/18 12:21		OK
4	50PPBCN	50PPBCN	CAL4	03/19/18 12:21		OK
5	100PPBCN	100PPBCN	CAL5	03/19/18 12:21		OK
6	250PPBCN	250PPBCN	CAL6	03/19/18 12:21		OK
7	500PPBCN	500PPBCN	CAL7	03/19/18 12:21		OK
8	ICV1	ICV1	ICV	03/19/18 14:41		OK
9	ICB1	ICB1	ICB	03/19/18 14:41		OK
10	CCV1	CCV1	CCV	03/19/18 14:41		OK
11	CCB1	CCB1	CCB	03/19/18 14:42		OK
12	PB107453BL	PB107453BL	MB	03/19/18 14:42		OK
13	J1960-02	BB	SAM	03/19/18 14:42		OK
14	J1960-02DUP	BBDUP	DUP	03/19/18 14:42		OK
15	J1966-08	FRAC-1	SAM	03/19/18 14:42		OK
16	J1966-10	FRAC-2	SAM	03/19/18 14:42		OK
17	PB107454BL	PB107454BL	MB	03/19/18 14:42		OK
18	J1755-04	OK-01-031618	SAM	03/19/18 14:42		OK
19	J1755-04DUP	OK-01-031618DUP	DUP	03/19/18 14:46		OK
20	J1963-04	1-4-RO	SAM	03/19/18 14:46		OK
21	CCV2	CCV2	CCV	03/19/18 14:46		OK



Instrument ID : KONELAB

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

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ICV Standard	WP62853					
CCV Standard	WP62852					
ICSA Standard	N/A					
CRI Standard	N/A					
LCS Standard	N/A					
Chk Standard	WP62854,WP59958,WP60878					
22	CCB2	CCB2	CCB	03/19/18 14:46		OK



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Report of Analysis

Client:		Date Collected:	3/16/2018 12:00:00 AM
Project:	LB94009	Date Received:	3/16/2018 12:00:00 AM
Client Sample ID:	OK-01-031618	SDG No.:	LB94009
Lab Sample ID:	J1755-04	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	-0.0021	U	1	0.025		0.05	mg/Kg	03/19/2018	03/19/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/16/2018 12:00:00 AM
Project:	LB94009	Date Received:	3/16/2018 12:00:00 AM
Client Sample ID:	BB	SDG No.:	LB94009
Lab Sample ID:	J1960-02	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	-0.00031	U	1	0.0025		0.005	mg/L	03/19/2018	03/19/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/16/2018 12:00:00 AM
Project:	LB94009	Date Received:	3/16/2018 12:00:00 AM
Client Sample ID:	1-4-RO	SDG No.:	LB94009
Lab Sample ID:	J1963-04	Matrix:	Solid
Level (low/med):	low	% Solid:	88.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0.0035	U	1	0.025		0.05	mg/Kg	03/19/2018	03/19/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/16/2018 12:00:00 AM
Project:	LB94009	Date Received:	3/16/2018 12:00:00 AM
Client Sample ID:	FRAC-1	SDG No.:	LB94009
Lab Sample ID:	J1966-08	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	-0.0003	U	1	0.0025		0.005	mg/L	03/19/2018	03/19/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/16/2018 12:00:00 AM
Project:	LB94009	Date Received:	3/16/2018 12:00:00 AM
Client Sample ID:	FRAC-2	SDG No.:	LB94009
Lab Sample ID:	J1966-10	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	-0.00027	U	1	0.0025		0.005	mg/L	03/19/2018	03/19/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/16/2018 12:00:00 AM
Project:	LB94009	Date Received:	3/16/2018 12:00:00 AM
Client Sample ID:	FRAC-2	SDG No.:	LB94009
Lab Sample ID:	J1966-10	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: LB94009

SDG No.: LB94009

Contract: _____ Lab Code: CHEM

Case No.: LB94009

SAS No.: LB94009

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		03/19/2018	14:41	LB94009
CCV2	Reactive Cyanide	0.26	0.25	104		90 - 110		03/19/2018	14:46	LB94009



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB94009

SDG No.: LB94009

Contract:

Lab Code: CHEM

Case No.: LB94009

SAS No.: LB94009

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Reactive Cyanide	-0.00023	+/-0.005	U		0.005		03/19/2018	14:41	LB94009



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB94009

SDG No.: LB94009

Contract:

Lab Code: CHEM

Case No.: LB94009

SAS No.: LB94009

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Reactive Cyanide	-0.00021	+/-0.005	U		0.005		03/19/2018	14:42	LB94009
CCB2	Reactive Cyanide	-0.0003	+/-0.005	U		0.005		03/19/2018	14:46	LB94009



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB94009

SDG No.: LB94009

Contract: Lab Code: CHEM

Case No.: LB94009

SAS No.: LB94009

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: LB94009

SDG No.: LB94009

Instrument: Konelab 20

Sample ID	Analyte	Result (mg/L)	Acceptance Limit	Conc Qual	LOD mg/L	CRQL mg/L	M	Analysis Date	Analysis Time	Run
PB107453BL	Reactive Cyanide	WATER		Batch Number:		PB107453		Prep Date:	03/19/2018	
		-0.00032	<0.005	U		0.005		03/19/2018	14:42	LB94009
Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	LOD mg/Kg	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB107454BL	Reactive Cyanide	SOLID		Batch Number:		PB107454		Prep Date:	03/19/2018	
		-0.0032	<0.05	U		0.05		03/19/2018	14:42	LB94009

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DUPLICATE SAMPLE SUMMARY

Client: LB94009 **Level:** LOW **SDG No.:** LB94009
Contract: **Lab Code:** CHEM **Case No.:** LB94009 **SAS No.:** LB94009
Matrix: Solid **Sample ID:** J1755-04 **Client ID:** OK-01-031618DUP
Percent Solids for Sample: 100 **Duplicate ID** J1755-04DUP **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	-0.0016	U			

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DUPLICATE SAMPLE SUMMARY

Client: LB94009 **Level:** LOW **SDG No.:** LB94009
Contract: **Lab Code:** CHEM **Case No.:** LB94009 **SAS No.:** LB94009
Matrix: WATER **Sample ID:** J1960-02 **Client ID:** BBDUP
Percent Solids for Sample: 0 **Duplicate ID** J1960-02DUP **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	-0.00029	U			