

Daily Analysis Runlog For Sequence/QC Batch ID # LB93385

Review By		Review On				
SubDirectory		LB93385		Test : Reactive Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP62092,WP62093,WP62094,WP62095,WP62096,WP62097,WP62098				
ICV Standard		WP62100				
CCV Standard		WP62099				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP62101,WP59958,WP60878				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	02/19/18 12:31		OK
2	5.0PPBCN	5.0PPBCN	CAL2	02/19/18 12:31		OK
3	10PPBCN	10PPBCN	CAL3	02/19/18 12:31		OK
4	50PPBCN	50PPBCN	CAL4	02/19/18 12:31		OK
5	100PPBCN	100PPBCN	CAL5	02/19/18 12:31		OK
6	250PPBCN	250PPBCN	CAL6	02/19/18 12:31		OK
7	500PPBCN	500PPBCN	CAL7	02/19/18 12:31		OK
8	ICV1	ICV1	ICV	02/19/18 14:10		OK
9	ICB1	ICB1	ICB	02/19/18 14:10		OK
10	CCV1	CCV1	CCV	02/19/18 14:10		OK
11	CCB1	CCB1	CCB	02/19/18 14:10		OK
12	PB106649BL	PB106649BL	MB	02/19/18 14:10		OK
13	J1392-02	BU-03-021618	SAM	02/19/18 14:10		OK
14	J1392-02DUP	BU-03-021618DUP	DUP	02/19/18 14:10		OK
15	J1604-03	TP-1	SAM	02/19/18 14:10		OK
16	J1604-06	TP-2	SAM	02/19/18 14:10		OK
17	J1604-09	TP-3	SAM	02/19/18 14:10		OK
18	J1604-12	TP-4	SAM	02/19/18 14:10		OK
19	PB106650BL	PB106650BL	MB	02/19/18 14:15		OK
20	J1601-03	DRUM-1	SAM	02/19/18 14:15		OK
21	J1601-03DUP	DRUM-1DUP	DUP	02/19/18 14:15		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				
LB93385						
STD. NAME		STD REF.#				
ICAL Standard		WP62092,WP62093,WP62094,WP62095,WP62096,WP62097,WP62098				
ICV Standard		WP62100				
CCV Standard		WP62099				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP62101,WP59958,WP60878				
22	CCV2	CCV2	CCV	02/19/18 14:15		OK
23	CCB2	CCB2	CCB	02/19/18 14:15		OK

Report of Analysis

Client:		Date Collected:	2/16/2018 12:00:00 AM
Project:	LB93385	Date Received:	2/16/2018 12:00:00 AM
Client Sample ID:	BU-03-021618	SDG No.:	LB93385
Lab Sample ID:	J1392-02	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	0.0041	U	1	0.025		0.05	mg/Kg	02/19/2018	02/19/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/16/2018 12:00:00 AM
Project:	LB93385	Date Received:	2/16/2018 12:00:00 AM
Client Sample ID:	DRUM-1	SDG No.:	LB93385
Lab Sample ID:	J1601-03	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	0.00037	U	1	0.0025		0.005	mg/L	02/19/2018	02/19/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/16/2018 12:00:00 AM
Project:	LB93385	Date Received:	2/16/2018 12:00:00 AM
Client Sample ID:	TP-1	SDG No.:	LB93385
Lab Sample ID:	J1604-03	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	0.0045	U	1	0.025		0.05	mg/Kg	02/19/2018	02/19/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/16/2018 12:00:00 AM
Project:	LB93385	Date Received:	2/16/2018 12:00:00 AM
Client Sample ID:	TP-2	SDG No.:	LB93385
Lab Sample ID:	J1604-06	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	0.0071	U	1	0.025		0.05	mg/Kg	02/19/2018	02/19/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/16/2018 12:00:00 AM
Project:	LB93385	Date Received:	2/16/2018 12:00:00 AM
Client Sample ID:	TP-3	SDG No.:	LB93385
Lab Sample ID:	J1604-09	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	0.0048	U	1	0.025		0.05	mg/Kg	02/19/2018	02/19/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/16/2018 12:00:00 AM
Project:	LB93385	Date Received:	2/16/2018 12:00:00 AM
Client Sample ID:	TP-4	SDG No.:	LB93385
Lab Sample ID:	J1604-12	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	02/19/2018	02/19/2018	9012B



Report of Analysis

Client:		Date Collected:	2/16/2018 12:00:00 AM
Project:	LB93385	Date Received:	2/16/2018 12:00:00 AM
Client Sample ID:	TP-4	SDG No.:	LB93385
Lab Sample ID:	J1604-12	Matrix:	Solid
Level (low/med):	low	% Solid:	100

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: LB93385

SDG No.: LB93385

Contract: _____ Lab Code: CHEM

Case No.: LB93385

SAS No.: LB93385

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	Reactive Cyanide	0.098	0.099	99		85 - 115		02/19/2018	14:10	lb93385



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB93385

SDG No.: LB93385

Contract: _____ Lab Code: CHEM

Case No.: LB93385

SAS No.: LB93385

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		02/19/2018	14:10	lb93385
CCV2	Reactive Cyanide	0.26	0.25	104		90 - 110		02/19/2018	14:15	lb93385



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB93385

SDG No.: LB93385

Contract:

Lab Code: CHEM

Case No.: LB93385

SAS No.: LB93385

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Reactive Cyanide	0.00078	+/-0.005	U		0.005		02/19/2018	14:10	lb93385



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB93385

SDG No.: LB93385

Contract:

Lab Code: CHEM

Case No.: LB93385

SAS No.: LB93385

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Reactive Cyanide	0.00092	+/-0.005	U		0.005		02/19/2018	14:10	1b93385
CCB2	Reactive Cyanide	0.00063	+/-0.005	U		0.005		02/19/2018	14:15	1b93385



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB93385

SDG No.: LB93385

Contract: Lab Code: CHEM

Case No.: LB93385

SAS No.: LB93385

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: LB93385

SDG No.: LB93385

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
PB106649BL	Reactive Cyanide	SOLID	<0.05	Batch Number:	PB106649			Prep Date:	02/19/2018	
		0.0054		U	0.05			02/19/2018	14:10	lb93385
Sample ID	Analyte	Result (mg/L)	Acceptance Limit	Conc Qual	LOD mg/L	CRQL mg/L	M	Analysis Date	Analysis Time	Run
PB106650BL	Reactive Cyanide	WATER	<0.005	Batch Number:	PB106650			Prep Date:	02/19/2018	
		0.00043		U	0.005			02/19/2018	14:15	lb93385

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DUPLICATE SAMPLE SUMMARY

Client: LB93385 **Level:** LOW **SDG No.:** LB93385
Contract: **Lab Code:** CHEM **Case No.:** LB93385 **SAS No.:** LB93385
Matrix: Solid **Sample ID:** J1392-02 **Client ID:** BU-03-021618DUP
Percent Solids for Sample: 100 **Duplicate ID** J1392-02DUP **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	0.0067	U			



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DUPLICATE SAMPLE SUMMARY

Client: LB93385 **Level:** LOW **SDG No.:** LB93385
Contract: **Lab Code:** CHEM **Case No.:** LB93385 **SAS No.:** LB93385
Matrix: WATER **Sample ID:** J1601-03 **Client ID:** DRUM-1DUP
Percent Solids for Sample: 0 **Duplicate ID** J1601-03DUP **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	0.00048	U			