

Daily Analysis Runlog For Sequence/QC Batch ID # LB92194

Review By		Review On				
SubDirectory		LB92194		Test : Reactive Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP60388,WP60389,WP60390,WP60391,WP60392,WP60393,WP60394				
ICV Standard		WP60396				
CCV Standard		WP60395				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP60397,WP59958,WP60150				

Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	12/15/17 11:19		OK
2	5.0PPBCN	5.0PPBCN	CAL2	12/15/17 11:19		OK
3	10PPBCN	10PPBCN	CAL3	12/15/17 11:19		OK
4	50PPBCN	50PPBCN	CAL4	12/15/17 11:19		OK
5	100PPBCN	100PPBCN	CAL5	12/15/17 11:19		OK
6	250PPBCN	250PPBCN	CAL6	12/15/17 11:19		OK
7	500PPBCN	500PPBCN	CAL7	12/15/17 11:19		OK
8	ICV1	ICV1	ICV	12/15/17 14:53		OK
9	ICB1	ICB1	ICB	12/15/17 14:53		OK
10	CCV1	CCV1	CCV	12/15/17 14:53		OK
11	CCB1	CCB1	CCB	12/15/17 14:53		OK
12	PB105077BL	PB105077BL	MB	12/15/17 14:53		OK
13	I6676-06	OK-03-121217	SAM	12/15/17 14:53		OK
14	I6676-06DUP	OK-03-121217DUP	DUP	12/15/17 14:53		OK
15	I6684-04	BU-02-121217	SAM	12/15/17 14:57		OK
16	CCV2	CCV2	CCV	12/15/17 14:57		OK
17	CCB2	CCB2	CCB	12/15/17 14:57		OK



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Report of Analysis

Client:		Date Collected:	12/12/2017 12:00:00 AM
Project:	LB92194	Date Received:	12/12/2017 12:00:00 AM
Client Sample ID:	OK-03-121217	SDG No.:	LB92194
Lab Sample ID:	I6676-06	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	-0.0015	U	1	0.025		0.05	mg/Kg	12/15/2017	12/15/2017	9012B



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Report of Analysis

Client:		Date Collected:	12/12/2017 12:00:00 AM
Project:	LB92194	Date Received:	12/12/2017 12:00:00 AM
Client Sample ID:	BU-02-121217	SDG No.:	LB92194
Lab Sample ID:	I6684-04	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	-0.0022	U	1	0.025		0.05	mg/Kg	12/15/2017	12/15/2017	9012B



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Report of Analysis

Client:		Date Collected:	12/12/2017 12:00:00 AM
Project:	LB92194	Date Received:	12/12/2017 12:00:00 AM
Client Sample ID:	BU-02-121217	SDG No.:	LB92194
Lab Sample ID:	I6684-04	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
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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: LB92194

SDG No.: LB92194

Contract: _____

Lab Code: CHEM

Case No.: LB92194

SAS No.: LB92194

Initial Calibration Source: _____

Continuing Calibration Source: _____

Sample ID	Analyte	Result mg/L	True Value	% Recovery	% RSD	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV1	Reactive Cyanide	0.097	0.099	98	0	85 - 115		12/15/2017	14:53	lb92194



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB92194

SDG No.: LB92194

Contract: _____ Lab Code: CHEM

Case No.: LB92194

SAS No.: LB92194

Initial Calibration Source: _____

Continuing Calibration Source: _____

Sample ID	Analyte	Result mg/L	True Value	% Recovery	% RSD	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV1	Reactive Cyanide	0.25	0.25	100	0	90 - 110		12/15/2017	14:53	lb92194
CCV2	Reactive Cyanide	0.26	0.25	104	0	90 - 110		12/15/2017	14:57	lb92194



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB92194 **SDG No.:** LB92194
Contract: **Lab Code:** CHEM **Case No.:** LB92194 **SAS No.:** LB92194

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Reactive Cyanide	0.0005	+/-0.005	U		0.005		12/15/2017	14:53	lb92194



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB92194

SDG No.: LB92194

Contract:

Lab Code: CHEM

Case No.: LB92194

SAS No.: LB92194

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Reactive Cyanide	0.0005	+/-0.005	U		0.005		12/15/2017	14:53	1b92194
CCB2	Reactive Cyanide	0.00047	+/-0.005	U		0.005		12/15/2017	14:57	1b92194



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB92194

SDG No.: LB92194

Contract: Lab Code: CHEM

Case No.: LB92194

SAS No.: LB92194

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: LB92194

SDG No.: LB92194

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
PB105077BL		SOLID		Batch Number:		PB105077		Prep Date:	12/15/2017	
	Reactive Cyanide	0.0037	<0.05	U		0.05		12/15/2017	14:53	lb92194

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DUPLICATE SAMPLE SUMMARY

Client: LB92194 **Level:** LOW **SDG No.:** LB92194
Contract: **Lab Code:** CHEM **Case No.:** LB92194 **SAS No.:** LB92194
Matrix: Solid **Sample ID:** I6676-06 **Client ID:** OK-03-121217DUP
Percent Solids for Sample: 100 **Duplicate ID** I6676-06DUP **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	-0.0013	U			