

Daily Analysis Runlog For Sequence/QC Batch ID # LB90954

Review By		Review On				
SubDirectory		LB90954		Test : Reactive Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP58915,WP58917,WP58918,WP59919,WP58920,WP58922,WP58912				
ICV Standard		WP58924				
CCV Standard		WP58923				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP5889,WP55355,WP55836				

Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	10/19/17 15:58		OK
2	5.0PPBCN	5.0PPBCN	CAL2	10/19/17 15:58		OK
3	10PPBCN	10PPBCN	CAL3	10/19/17 15:58		OK
4	50PPBCN	50PPBCN	CAL4	10/19/17 15:58		OK
5	100PPBCN	100PPBCN	CAL5	10/19/17 15:58		OK
6	250PPBCN	250PPBCN	CAL6	10/19/17 15:58		OK
7	500PPBCN	500PPBCN	CAL7	10/19/17 15:58		OK
8	ICV1	ICV1	ICV	10/19/17 16:33		OK
9	ICB1	ICB1	ICB	10/19/17 16:33		OK
10	CCV1	CCV1	CCV	10/19/17 16:33		OK
11	CCB1	CCB1	CCB	10/19/17 16:33		OK
12	PB103450BL	PB103450BL	MB	10/19/17 16:33		OK
13	I5981-03	NB-01-101817-A	SAM	10/19/17 16:33		OK
14	I5981-03DUP	NB-01-101817-ADUP	DUP	10/19/17 16:38		OK
15	I5981-06	NB-01-101817-B	SAM	10/19/17 16:38		OK
16	I5981-09	NB-01-101817-C	SAM	10/19/17 16:38		OK
17	I5988-03	RBR251373-78	SAM	10/19/17 16:38		OK
18	CCV2	CCV2	CCV	10/19/17 16:38		OK
19	CCB2	CCB2	CCB	10/19/17 16:38		OK



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Report of Analysis

Client:		Date Collected:	10/18/2017 12:00:00 AM
Project:	LB90954	Date Received:	10/18/2017 12:00:00 AM
Client Sample ID:	NB-01-101817-A	SDG No.:	LB90954
Lab Sample ID:	I5981-03	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	-0.0057	U	1	0.025		0.05	mg/Kg	10/19/2017	10/19/2017	9012B



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Report of Analysis

Client:		Date Collected:	10/18/2017 12:00:00 AM
Project:	LB90954	Date Received:	10/18/2017 12:00:00 AM
Client Sample ID:	NB-01-101817-B	SDG No.:	LB90954
Lab Sample ID:	I5981-06	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	-0.0072	U	1	0.025		0.05	mg/Kg	10/19/2017	10/19/2017	9012B



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Report of Analysis

Client:		Date Collected:	10/18/2017 12:00:00 AM
Project:	LB90954	Date Received:	10/18/2017 12:00:00 AM
Client Sample ID:	NB-01-101817-C	SDG No.:	LB90954
Lab Sample ID:	I5981-09	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	0.013	U	1	0.025		0.05	mg/Kg	10/19/2017	10/19/2017	9012B



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Report of Analysis

Client:		Date Collected:	10/18/2017 12:00:00 AM
Project:	LB90954	Date Received:	10/18/2017 12:00:00 AM
Client Sample ID:	RBR251373-78	SDG No.:	LB90954
Lab Sample ID:	I5988-03	Matrix:	Solid
Level (low/med):	low	% Solid:	89.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0.0032	U	1	0.025		0.049	mg/Kg	10/19/2017	10/19/2017	9012B



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Report of Analysis

Client:		Date Collected:	10/18/2017 12:00:00 AM
Project:	LB90954	Date Received:	10/18/2017 12:00:00 AM
Client Sample ID:	RBR251373-78	SDG No.:	LB90954
Lab Sample ID:	I5988-03	Matrix:	Solid
Level (low/med):	low	% Solid:	89.1

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: LB90954

SDG No.: LB90954

Contract: _____ Lab Code: CHEM

Case No.: LB90954

SAS No.: LB90954

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		10/19/2017	16:33	LB90954



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB90954

SDG No.: LB90954

Contract: _____ Lab Code: CHEM

Case No.: LB90954

SAS No.: LB90954

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	0.24	0.25	96	0	90 - 110		10/19/2017	16:33	LB90954
CCV2	Reactive Cyanide	0.25	0.25	100	0	90 - 110		10/19/2017	16:38	LB90954



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB90954 **SDG No.:** LB90954
Contract: **Lab Code:** CHEM **Case No.:** LB90954 **SAS No.:** LB90954

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Reactive Cyanide	0.00065	+/-0.005	U		0.005		10/19/2017	16:33	LB90954

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Reactive Cyanide	0.00076	+/-0.005	U		0.005		10/19/2017	16:33	LB90954
CCB2	Reactive Cyanide	0.00064	+/-0.005	U		0.005		10/19/2017	16:38	LB90954



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB90954

SDG No.: LB90954

Contract: Lab Code: CHEM

Case No.: LB90954

SAS No.: LB90954

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: LB90954

SDG No.: LB90954

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
PB103450BL	Reactive Cyanide	SOLID 0.0067	<0.05	Batch Number: U		PB103450 0.05		Prep Date: 10/19/2017	10/19/2017 16:33	LB90954

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DUPLICATE SAMPLE SUMMARY

Client: LB90954 **Level:** LOW **SDG No.:** LB90954
Contract: **Lab Code:** CHEM **Case No.:** LB90954 **SAS No.:** LB90954
Matrix: Solid **Sample ID:** I5981-03 **Client ID:** NB-01-101817-ADUP
Percent Solids for Sample: 100 **Duplicate ID** I5981-03DUP **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	-0.0065	U			