

Daily Analysis Runlog For Sequence/QC Batch ID # LB91447

Review By		Review On				
SubDirectory		LB91447		Test : Reactive Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP59472,WP59473,WP59474,WP59475,WP59476,WP59477,WP59478				
ICV Standard		WP59480				
CCV Standard		WP59479				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP55836,WP55355,WP59481				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	11/08/17 09:55		OK
2	5.0PPBCN	5.0PPBCN	CAL2	11/08/17 09:55		OK
3	10PPBCN	10PPBCN	CAL3	11/08/17 09:55		OK
4	50PPBCN	50PPBCN	CAL4	11/08/17 09:55		OK
5	100PPBCN	100PPBCN	CAL5	11/08/17 09:55		OK
6	250PPBCN	250PPBCN	CAL6	11/08/17 09:55		OK
7	500PPBCN	500PPBCN	CAL7	11/08/17 09:55		OK
8	ICV1	ICV1	ICV	11/08/17 13:30		OK
9	ICB1	ICB1	ICB	11/08/17 13:30		OK
10	CCV1	CCV1	CCV	11/08/17 13:30		OK
11	CCB1	CCB1	CCB	11/08/17 13:30		OK
12	PB104092BL	PB104092BL	MB	11/08/17 13:30		OK
13	I6304-10	CL-02-110717	SAM	11/08/17 13:30		OK
14	I6304-10DUP	CL-02-110717DUP	DUP	11/08/17 13:30		OK
15	I6310-04	1-5-RO	SAM	11/08/17 13:36		OK
16	I6379-03	TP-1-(2-8)	SAM	11/08/17 13:36		OK
17	I6379-06	TP-2-(1-4)	SAM	11/08/17 13:36		OK
18	I6379-09	TP-3-(1-4)	SAM	11/08/17 13:36		OK
19	I6381-02	RT-4651	SAM	11/08/17 13:36		OK
20	I6381-04	RT-1500	SAM	11/08/17 13:36		OK
21	CCV2	CCV2	CCV	11/08/17 13:36		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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STD. NAME	STD REF.#					
ICAL Standard	WP59472,WP59473,WP59474,WP59475,WP59476,WP59477,WP59478					
ICV Standard	WP59480					
CCV Standard	WP59479					
ICSA Standard	N/A					
CRI Standard	N/A					
LCS Standard	N/A					
Chk Standard	WP55836,WP55355,WP59481					
22	CCB2	CCB2	CCB	11/08/17 13:36		OK



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Report of Analysis

Client:		Date Collected:	11/7/2017 12:00:00 AM
Project:	LB91447	Date Received:	11/7/2017 12:00:00 AM
Client Sample ID:	CL-02-110717	SDG No.:	LB91447
Lab Sample ID:	I6304-10	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	-0.016	U	1	0.025		0.05	mg/Kg	11/08/2017	11/08/2017	9012B



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Report of Analysis

Client:		Date Collected:	11/7/2017 12:00:00 AM
Project:	LB91447	Date Received:	11/7/2017 12:00:00 AM
Client Sample ID:	1-5-RO	SDG No.:	LB91447
Lab Sample ID:	I6310-04	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	-0.017	U	1	0.025		0.05	mg/Kg	11/08/2017	11/08/2017	9012B



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Report of Analysis

Client:		Date Collected:	11/7/2017 12:00:00 AM
Project:	LB91447	Date Received:	11/7/2017 12:00:00 AM
Client Sample ID:	TP-1-(2-8)	SDG No.:	LB91447
Lab Sample ID:	I6379-03	Matrix:	Solid
Level (low/med):	low	% Solid:	90.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0.017	U	1	0.025		0.05	mg/Kg	11/08/2017	11/08/2017	9012B



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Report of Analysis

Client:		Date Collected:	11/7/2017 12:00:00 AM
Project:	LB91447	Date Received:	11/7/2017 12:00:00 AM
Client Sample ID:	TP-2-(1-4)	SDG No.:	LB91447
Lab Sample ID:	I6379-06	Matrix:	Solid
Level (low/med):	low	% Solid:	87

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0.017	U	1	0.025		0.05	mg/Kg	11/08/2017	11/08/2017	9012B



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Report of Analysis

Client:		Date Collected:	11/7/2017 12:00:00 AM
Project:	LB91447	Date Received:	11/7/2017 12:00:00 AM
Client Sample ID:	TP-3-(1-4)	SDG No.:	LB91447
Lab Sample ID:	I6379-09	Matrix:	Solid
Level (low/med):	low	% Solid:	82.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0.019	U	1	0.025		0.05	mg/Kg	11/08/2017	11/08/2017	9012B



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Report of Analysis

Client:		Date Collected:	11/7/2017 12:00:00 AM
Project:	LB91447	Date Received:	11/7/2017 12:00:00 AM
Client Sample ID:	RT-4651	SDG No.:	LB91447
Lab Sample ID:	I6381-02	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	-0.016	U	1	0.025		0.05	mg/Kg	11/08/2017	11/08/2017	9012B



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Report of Analysis

Client:		Date Collected:	11/7/2017 12:00:00 AM
Project:	LB91447	Date Received:	11/7/2017 12:00:00 AM
Client Sample ID:	RT-1500	SDG No.:	LB91447
Lab Sample ID:	I6381-04	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	-0.016	U	1	0.025		0.049	mg/Kg	11/08/2017	11/08/2017	9012B



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Report of Analysis

Client:		Date Collected:	11/7/2017 12:00:00 AM
Project:	LB91447	Date Received:	11/7/2017 12:00:00 AM
Client Sample ID:	RT-1500	SDG No.:	LB91447
Lab Sample ID:	I6381-04	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

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB91447

SDG No.: LB91447

Contract: _____ Lab Code: CHEM

Case No.: LB91447

SAS No.: LB91447

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		11/08/2017	13:30	lb91447
CCV2	Reactive Cyanide	0.26	0.25	104	0	90 - 110		11/08/2017	13:36	lb91447



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB91447

SDG No.: LB91447

Contract:

Lab Code: CHEM

Case No.: LB91447

SAS No.: LB91447

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Reactive Cyanide	-0.0013	+/-0.005	U		0.005		11/08/2017	13:30	lb91447

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Reactive Cyanide	-0.0012	+/-0.005	U		0.005		11/08/2017	13:30	lb91447
CCB2	Reactive Cyanide	-0.0015	+/-0.005	U		0.005		11/08/2017	13:36	lb91447



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB91447

SDG No.: LB91447

Contract: Lab Code: CHEM

Case No.: LB91447

SAS No.: LB91447

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
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GENCHEM
- 3b -
PREPARATION BLANK SUMMARY

Client: LB91447

SDG No.: LB91447

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
PB104092BL		SOLID		Batch Number:		PB104092		Prep Date:	11/08/2017	
	Reactive Cyanide	-0.015	<0.05	U		0.05		11/08/2017	13:30	lb91447

GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB91447 **Level:** LOW **SDG No.:** LB91447
Contract: **Lab Code:** CHEM **Case No.:** LB91447 **SAS No.:** LB91447
Matrix: Solid **Sample ID:** I6304-10 **Client ID:** CL-02-110717DUP
Percent Solids for Sample: 100 **Duplicate ID** I6304-10DUP **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	-0.017	U			