

Daily Analysis Runlog For Sequence/QC Batch ID # LB90195

Review By		Review On				
SubDirectory		LB90195		Test : Reactive Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP58073,WP58074,WP58075,WP58076,WP58077,WP58078,WP58071				
ICV Standard		wp58081				
CCV Standard		wp58079				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP58080,WP55355,WP55836				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	09/20/17 08:58		OK
2	5.0PPBCN	5.0PPBCN	CAL2	09/20/17 08:58		OK
3	10PPBCN	10PPBCN	CAL3	09/20/17 08:58		OK
4	50PPBCN	50PPBCN	CAL4	09/20/17 08:58		OK
5	100PPBCN	100PPBCN	CAL5	09/20/17 08:58		OK
6	250PPBCN	250PPBCN	CAL6	09/20/17 08:58		OK
7	500PPBCN	500PPBCN	CAL7	09/20/17 08:58		OK
8	ICV1	ICV1	ICV	09/20/17 15:35		OK
9	ICB1	ICB1	ICB	09/20/17 15:35		OK
10	CCV1	CCV1	CCV	09/20/17 15:35		OK
11	CCB1	CCB1	CCB	09/20/17 15:35		OK
12	PB102463BL	PB102463BL	MB	09/20/17 15:35		OK
13	I5308-04	220-1-COMP	SAM	09/20/17 15:35		OK
14	I5308-04DUP	220-1-COMPDUP	DUP	09/20/17 15:42		OK
15	I5308-08	220-1-(O-U)-COMP	SAM	09/20/17 15:42		OK
16	I5310-03	NB-01-091917-A	SAM	09/20/17 15:42		OK
17	I5310-06	NB-01-091917-B	SAM	09/20/17 15:42		OK
18	I5311-03	OK-03-091917	SAM	09/20/17 16:04		OK
19	I5312-03	OR-01-091917	SAM	09/20/17 16:04		OK
20	I5313-06	72-12000-R4-COMP	SAM	09/20/17 16:04		OK
21	CCV2	CCV2	CCV	09/20/17 16:04		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				
LB90195						
STD. NAME	STD REF.#					
ICAL Standard	WP58073,WP58074,WP58075,WP58076,WP58077,WP58078,WP58071					
ICV Standard	wp58081					
CCV Standard	wp58079					
ICSA Standard	N/A					
CRI Standard	N/A					
LCS Standard	N/A					
Chk Standard	WP58080,WP55355,WP55836					
22	CCB2	CCB2	CCB	09/20/17 16:04		OK



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Report of Analysis

Client:		Date Collected:	9/19/2017 12:00:00 AM
Project:	LB90195	Date Received:	9/19/2017 12:00:00 AM
Client Sample ID:	220-1-COMP	SDG No.:	LB90195
Lab Sample ID:	I5308-04	Matrix:	Solid
Level (low/med):	low	% Solid:	86.6

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	09/20/2017	09/20/2017	9012B



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Report of Analysis

Client:		Date Collected:	9/19/2017 12:00:00 AM
Project:	LB90195	Date Received:	9/19/2017 12:00:00 AM
Client Sample ID:	220-1-(O-U)-COMP	SDG No.:	LB90195
Lab Sample ID:	I5308-08	Matrix:	Solid
Level (low/med):	low	% Solid:	92.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	0.0068	U	1	0.025		0.05	mg/Kg	09/20/2017	09/20/2017	9012B



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Report of Analysis

Client:		Date Collected:	9/19/2017 12:00:00 AM
Project:	LB90195	Date Received:	9/19/2017 12:00:00 AM
Client Sample ID:	NB-01-091917-A	SDG No.:	LB90195
Lab Sample ID:	I5310-03	Matrix:	Solid
Level (low/med):	low	% Solid:	93.7

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	09/20/2017	09/20/2017	9012B



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Report of Analysis

Client:		Date Collected:	9/19/2017 12:00:00 AM
Project:	LB90195	Date Received:	9/19/2017 12:00:00 AM
Client Sample ID:	NB-01-091917-B	SDG No.:	LB90195
Lab Sample ID:	I5310-06	Matrix:	Solid
Level (low/med):	low	% Solid:	92.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	0.014	U	1	0.025		0.05	mg/Kg	09/20/2017	09/20/2017	9012B

Report of Analysis

Client:		Date Collected:	9/19/2017 12:00:00 AM
Project:	LB90195	Date Received:	9/19/2017 12:00:00 AM
Client Sample ID:	OK-03-091917	SDG No.:	LB90195
Lab Sample ID:	I5311-03	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	0.0018	U	1	0.025		0.05	mg/Kg	09/20/2017	09/20/2017	9012B



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Report of Analysis

Client:		Date Collected:	9/19/2017 12:00:00 AM
Project:	LB90195	Date Received:	9/19/2017 12:00:00 AM
Client Sample ID:	OR-01-091917	SDG No.:	LB90195
Lab Sample ID:	I5312-03	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	0.0056	U	1	0.025		0.05	mg/Kg	09/20/2017	09/20/2017	9012B



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Report of Analysis

Client:		Date Collected:	9/19/2017 12:00:00 AM
Project:	LB90195	Date Received:	9/19/2017 12:00:00 AM
Client Sample ID:	72-12000-R4-COMP	SDG No.:	LB90195
Lab Sample ID:	I5313-06	Matrix:	Solid
Level (low/med):	low	% Solid:	88.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	0.0049	U	1	0.025		0.05	mg/Kg	09/20/2017	09/20/2017	9012B



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Report of Analysis

Client:		Date Collected:	9/19/2017 12:00:00 AM
Project:	LB90195	Date Received:	9/19/2017 12:00:00 AM
Client Sample ID:	72-12000-R4-COMP	SDG No.:	LB90195
Lab Sample ID:	I5313-06	Matrix:	Solid
Level (low/med):	low	% Solid:	88.2

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: LB90195

SDG No.: LB90195

Contract: _____ Lab Code: CHEM

Case No.: LB90195

SAS No.: LB90195

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		09/20/2017	15:35	LB90195
CCV2	Reactive Cyanide	0.26	0.25	104	0	90 - 110		09/20/2017	16:04	LB90195



GENCHEM

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB90195

SDG No.: LB90195

Contract:

Lab Code: CHEM

Case No.: LB90195

SAS No.: LB90195

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Reactive Cyanide	-0.00011	+/-0.005	U		0.005		09/20/2017	15:35	LB90195



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB90195

SDG No.: LB90195

Contract:

Lab Code: CHEM

Case No.: LB90195

SAS No.: LB90195

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Reactive Cyanide	-0.00018	+/-0.005	U		0.005		09/20/2017	15:35	LB90195
CCB2	Reactive Cyanide	-0.00058	+/-0.005	U		0.005		09/20/2017	16:04	LB90195



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB90195

SDG No.: LB90195

Contract: Lab Code: CHEM

Case No.: LB90195

SAS No.: LB90195

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: LB90195

SDG No.: LB90195

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
PB102463BL	Reactive Cyanide	SOLID -0.0029	<0.05	Batch Number: U		PB102463 0.05		Prep Date: 09/20/2017	09/20/2017 15:35	LB90195

GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB90195 **Level:** LOW **SDG No.:** LB90195
Contract: **Lab Code:** CHEM **Case No.:** LB90195 **SAS No.:** LB90195
Matrix: Solid **Sample ID:** I5308-04 **Client ID:** 220-1-COMPDUP
Percent Solids for Sample: 86.6 **Duplicate ID** I5308-04DUP **Percent Solids for Spike Sample:** 86.6

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Reactive Cyanide	mg/Kg	20	0.025	U	0.013	U			



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Client: LB90195

SDG No.: LB90195

Contract:

Lab Code: CHEM

Case No.: LB90195

SAS No.: LB90195

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
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