

Daily Analysis Runlog For Sequence/QC Batch ID # LB93482

Review By		Review On				
SubDirectory		LB93482		Test : Reactive Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP62234,WP62235,WP62236,WP62237,WP62238,WP62239,WP62240				
ICV Standard		WP62242				
CCV Standard		WP62241				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP62243,WP59958,WP60878				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	02/23/18 12:29		OK
2	5.0PPBCN	5.0PPBCN	CAL2	02/23/18 12:29		OK
3	10PPBCN	10PPBCN	CAL3	02/23/18 12:29		OK
4	50PPBCN	50PPBCN	CAL4	02/23/18 12:29		OK
5	100PPBCN	100PPBCN	CAL5	02/23/18 12:29		OK
6	250PPBCN	250PPBCN	CAL6	02/23/18 12:29		OK
7	500PPBCN	500PPBCN	CAL7	02/23/18 12:29		OK
8	ICV1	ICV1	ICV	02/23/18 12:54		OK
9	ICB1	ICB1	ICB	02/23/18 12:54		OK
10	CCV1	CCV1	CCV	02/23/18 12:54		OK
11	CCB1	CCB1	CCB	02/23/18 12:54		OK
12	PB106792BL	PB106792BL	MB	02/23/18 12:54		OK
13	J1398-06	OK-01-022218	SAM	02/23/18 12:54		OK
14	J1398-06DUP	OK-01-022218DUP	DUP	02/23/18 12:54		OK
15	J1648-02	RO-124031-RO1240	SAM	02/23/18 12:54		OK
16	J1652-03	RT-4651	SAM	02/23/18 12:54		OK
17	J1652-06	RT-2898	SAM	02/23/18 12:54		OK
18	J1652-09	RT-4248	SAM	02/23/18 12:54		OK
19	J1652-12	RT-3026	SAM	02/23/18 13:01		OK
20	J1660-05	RT-4632	SAM	02/23/18 13:01		OK
21	J1660-10	RT-1488	SAM	02/23/18 13:01		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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ICAL Standard		WP62234,WP62235,WP62236,WP62237,WP62238,WP62239,WP62240				
ICV Standard		WP62242				
CCV Standard		WP62241				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP62243,WP59958,WP60878				
22	CCV2	CCV2	CCV	02/23/18 13:01		OK
23	CCB2	CCB2	CCB	02/23/18 13:01		OK
24	J1660-15	RT-3025	SAM	02/23/18 13:01		OK
25	J1660-20	RT-2342	SAM	02/23/18 13:01		OK
26	CCV3	CCV3	CCV	02/23/18 13:01		OK
27	CCB3	CCB3	CCB	02/23/18 13:01		OK



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Report of Analysis

Client:		Date Collected:	2/22/2018 12:00:00 AM
Project:	LB93482	Date Received:	2/22/2018 12:00:00 AM
Client Sample ID:	OK-01-022218	SDG No.:	LB93482
Lab Sample ID:	J1398-06	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	0.012	U	1	0.025		0.05	mg/Kg	02/23/2018	02/23/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/22/2018 12:00:00 AM
Project:	LB93482	Date Received:	2/22/2018 12:00:00 AM
Client Sample ID:	RO-124031-RO124035	SDG No.:	LB93482
Lab Sample ID:	J1648-02	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	0.013	U	1	0.025		0.05	mg/Kg	02/23/2018	02/23/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/22/2018 12:00:00 AM
Project:	LB93482	Date Received:	2/22/2018 12:00:00 AM
Client Sample ID:	RT-4651	SDG No.:	LB93482
Lab Sample ID:	J1652-03	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	0.011	U	1	0.025		0.05	mg/Kg	02/23/2018	02/23/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/22/2018 12:00:00 AM
Project:	LB93482	Date Received:	2/22/2018 12:00:00 AM
Client Sample ID:	RT-2898	SDG No.:	LB93482
Lab Sample ID:	J1652-06	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	0.012	U	1	0.025		0.05	mg/Kg	02/23/2018	02/23/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/22/2018 12:00:00 AM
Project:	LB93482	Date Received:	2/22/2018 12:00:00 AM
Client Sample ID:	RT-4248	SDG No.:	LB93482
Lab Sample ID:	J1652-09	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	0.0095	U	1	0.025		0.05	mg/Kg	02/23/2018	02/23/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/22/2018 12:00:00 AM
Project:	LB93482	Date Received:	2/22/2018 12:00:00 AM
Client Sample ID:	RT-3026	SDG No.:	LB93482
Lab Sample ID:	J1652-12	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	0.01	U	1	0.025		0.049	mg/Kg	02/23/2018	02/23/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/22/2018 12:00:00 AM
Project:	LB93482	Date Received:	2/22/2018 12:00:00 AM
Client Sample ID:	RT-4632	SDG No.:	LB93482
Lab Sample ID:	J1660-05	Matrix:	Solid
Level (low/med):	low	% Solid:	88.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	0.013	U	1	0.025		0.049	mg/Kg	02/23/2018	02/23/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/22/2018 12:00:00 AM
Project:	LB93482	Date Received:	2/22/2018 12:00:00 AM
Client Sample ID:	RT-1488	SDG No.:	LB93482
Lab Sample ID:	J1660-10	Matrix:	Solid
Level (low/med):	low	% Solid:	73.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	0.012	U	1	0.025		0.05	mg/Kg	02/23/2018	02/23/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/22/2018 12:00:00 AM
Project:	LB93482	Date Received:	2/22/2018 12:00:00 AM
Client Sample ID:	RT-3025	SDG No.:	LB93482
Lab Sample ID:	J1660-15	Matrix:	Solid
Level (low/med):	low	% Solid:	90.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	0.011	U	1	0.025		0.049	mg/Kg	02/23/2018	02/23/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/22/2018 12:00:00 AM
Project:	LB93482	Date Received:	2/22/2018 12:00:00 AM
Client Sample ID:	RT-2342	SDG No.:	LB93482
Lab Sample ID:	J1660-20	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	0.013	U	1	0.025		0.049	mg/Kg	02/23/2018	02/23/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/22/2018 12:00:00 AM
Project:	LB93482	Date Received:	2/22/2018 12:00:00 AM
Client Sample ID:	RT-2342	SDG No.:	LB93482
Lab Sample ID:	J1660-20	Matrix:	Solid
Level (low/med):	low	% Solid:	87

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: LB93482

SDG No.: LB93482

Contract: _____ Lab Code: CHEM

Case No.: LB93482

SAS No.: LB93482

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	0.24	0.25	96		90 - 110		02/23/2018	12:54	LB93482
CCV2	Reactive Cyanide	0.24	0.25	96		90 - 110		02/23/2018	13:01	LB93482
CCV3	Reactive Cyanide	0.24	0.25	96		90 - 110		02/23/2018	13:01	LB93482



GENCHEM

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB93482

SDG No.: LB93482

Contract:

Lab Code: CHEM

Case No.: LB93482

SAS No.: LB93482

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Reactive Cyanide	0.0014	+/-0.005	U		0.005		02/23/2018	12:54	LB93482

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Reactive Cyanide	0.0014	+/-0.005	U		0.005		02/23/2018	12:54	LB93482
CCB2	Reactive Cyanide	0.0014	+/-0.005	U		0.005		02/23/2018	13:01	LB93482
CCB3	Reactive Cyanide	0.0013	+/-0.005	U		0.005		02/23/2018	13:01	LB93482



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB93482

SDG No.: LB93482

Contract: Lab Code: CHEM

Case No.: LB93482

SAS No.: LB93482

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: LB93482

SDG No.: LB93482

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
PB106792BL	Reactive Cyanide	SOLID 0.011	<0.05	Batch Number: U		PB106792 0.05		Prep Date: 02/23/2018	02/23/2018 12:54	LB93482

GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB93482 Level: LOW SDG No.: LB93482
Contract: Lab Code: CHEM Case No.: LB93482 SAS No.: LB93482
Matrix: Solid Sample ID: J1398-06 Client ID: OK-01-022218DUP
Percent Solids for Sample: 100 Duplicate ID J1398-06DUP 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	0.012	U			