

Daily Analysis Runlog For Sequence/QC Batch ID # LB91335

Review By		Review On				
SubDirectory		LB91335		Test : Reactive Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP59384,WP59385,WP59386,WP59387,WP59388,WP59389,WP59390				
ICV Standard		WP59393				
CCV Standard		WP59391				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP55836,WP55355,WP59392				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	11/03/17 10:28		OK
2	5.0PPBCN	5.0PPBCN	CAL2	11/03/17 10:28		OK
3	10PPBCN	10PPBCN	CAL3	11/03/17 10:28		OK
4	50PPBCN	50PPBCN	CAL4	11/03/17 10:28		OK
5	100PPBCN	100PPBCN	CAL5	11/03/17 10:28		OK
6	250PPBCN	250PPBCN	CAL6	11/03/17 10:28		OK
7	500PPBCN	500PPBCN	CAL7	11/03/17 10:28		OK
8	ICV1	ICV1	ICV	11/03/17 11:20		OK
9	ICB1	ICB1	ICB	11/03/17 11:20		OK
10	CCV1	CCV1	CCV	11/03/17 11:20		OK
11	CCB1	CCB1	CCB	11/03/17 11:20		OK
12	PB103914BL	PB103914BL	MB	11/03/17 11:20		OK
13	I6189-02	LEONIA-GEN	SAM	11/03/17 11:20		OK
14	I6189-02DUP	LEONIA-GENDUP	DUP	11/03/17 11:20		OK
15	I6258-03	WOODLAKE-DR-2-1	SAM	11/03/17 11:20		OK
16	I6258-06	BOXWOOD-DR-2-4-	SAM	11/03/17 11:27		OK
17	I6265-03	COMP-1	SAM	11/03/17 11:27		OK
18	I6265-04	COMP-2	SAM	11/03/17 11:27		OK
19	I6275-02	DRUM(1-2)	SAM	11/03/17 11:27		OK
20	I6275-04	DRUM-2	SAM	11/03/17 11:27		OK
21	I6275-07	CONCRETE-PILE	SAM	11/03/17 11:27		OK

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CCV Standard	WP59391					
ICSA Standard	N/A					
CRI Standard	N/A					
LCS Standard	N/A					
Chk Standard	WP55836,WP55355,WP59392					
22	CCV2	CCV2	CCV	11/03/17 11:27		OK
23	CCB2	CCB2	CCB	11/03/17 11:27		OK
24	PB103915BL	PB103915BL	MB	11/03/17 11:27		OK
25	I6275-10	2727	SAM	11/03/17 11:31		OK
26	I6277-02	FADW4807L	SAM	11/03/17 11:31		OK
27	I6243-02	N35799	SAM	11/03/17 11:51		OK
28	I6243-02DUP	N35799DUP	DUP	11/03/17 11:51		OK
29	CCV3	CCV3	CCV	11/03/17 11:51		OK
30	CCB3	CCB3	CCB	11/03/17 11:51		OK



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Report of Analysis

Client:		Date Collected:	11/1/2017 12:00:00 AM
Project:	LB91335	Date Received:	11/1/2017 12:00:00 AM
Client Sample ID:	LEONIA-GEN	SDG No.:	LB91335
Lab Sample ID:	I6189-02	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	0.0002	U	1	0.025		0.05	mg/Kg	11/02/2017	11/03/2017	9012B



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Report of Analysis

Client:		Date Collected:	11/1/2017 12:00:00 AM
Project:	LB91335	Date Received:	11/1/2017 12:00:00 AM
Client Sample ID:	N35799	SDG No.:	LB91335
Lab Sample ID:	I6243-02	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0.00053	U	1	0.0025		0.005	mg/L	11/02/2017	11/03/2017	9012B



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Report of Analysis

Client:		Date Collected:	10/31/2017 12:00:00 AM
Project:	LB91335	Date Received:	10/31/2017 12:00:00 AM
Client Sample ID:	WOODLAKE-DR-2-14-18	SDG No.:	LB91335
Lab Sample ID:	I6258-03	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	-0.0029	U	1	0.025		0.05	mg/Kg	11/02/2017	11/03/2017	9012B



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Report of Analysis

Client:		Date Collected:	10/31/2017 12:00:00 AM
Project:	LB91335	Date Received:	10/31/2017 12:00:00 AM
Client Sample ID:	BOXWOOD-DR-2-4-12-14	SDG No.:	LB91335
Lab Sample ID:	I6258-06	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	-0.0047	U	1	0.025		0.05	mg/Kg	11/02/2017	11/03/2017	9012B



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Report of Analysis

Client:		Date Collected:	10/31/2017 12:00:00 AM
Project:	LB91335	Date Received:	11/1/2017 12:00:00 AM
Client Sample ID:	COMP-1	SDG No.:	LB91335
Lab Sample ID:	I6265-03	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	-0.004	U	1	0.025		0.05	mg/Kg	11/02/2017	11/03/2017	9012B



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Report of Analysis

Client:		Date Collected:	10/31/2017 12:00:00 AM
Project:	LB91335	Date Received:	11/1/2017 12:00:00 AM
Client Sample ID:	COMP-2	SDG No.:	LB91335
Lab Sample ID:	I6265-04	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	-0.0018	U	1	0.025		0.05	mg/Kg	11/02/2017	11/03/2017	9012B



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Report of Analysis

Client:		Date Collected:	11/1/2017 12:00:00 AM
Project:	LB91335	Date Received:	11/1/2017 12:00:00 AM
Client Sample ID:	DRUM(1-2)	SDG No.:	LB91335
Lab Sample ID:	I6275-02	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	-0.0021	U	1	0.025		0.05	mg/Kg	11/02/2017	11/03/2017	9012B



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Report of Analysis

Client:		Date Collected:	11/1/2017 12:00:00 AM
Project:	LB91335	Date Received:	11/1/2017 12:00:00 AM
Client Sample ID:	DRUM-2	SDG No.:	LB91335
Lab Sample ID:	I6275-04	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	-0.003	U	1	0.025		0.05	mg/Kg	11/02/2017	11/03/2017	9012B



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Report of Analysis

Client:		Date Collected:	11/1/2017 12:00:00 AM
Project:	LB91335	Date Received:	11/1/2017 12:00:00 AM
Client Sample ID:	CONCRETE-PILE	SDG No.:	LB91335
Lab Sample ID:	I6275-07	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	-0.0011	U	1	0.025		0.049	mg/Kg	11/02/2017	11/03/2017	9012B

Report of Analysis

Client:		Date Collected:	11/1/2017 12:00:00 AM
Project:	LB91335	Date Received:	11/1/2017 12:00:00 AM
Client Sample ID:	2727	SDG No.:	LB91335
Lab Sample ID:	I6275-10	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0.0005	U	1	0.0025		0.005	mg/L	11/02/2017	11/03/2017	9012B



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Report of Analysis

Client:		Date Collected:	11/1/2017 12:00:00 AM
Project:	LB91335	Date Received:	11/1/2017 12:00:00 AM
Client Sample ID:	FADW4807L	SDG No.:	LB91335
Lab Sample ID:	I6277-02	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	-0.00043	U	1	0.0025		0.005	mg/L	11/02/2017	11/03/2017	9012B



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Report of Analysis

Client:		Date Collected:	11/1/2017 12:00:00 AM
Project:	LB91335	Date Received:	11/1/2017 12:00:00 AM
Client Sample ID:	FADW4807L	SDG No.:	LB91335
Lab Sample ID:	I6277-02	Matrix:	WATER
Level (low/med):	low	% Solid:	0

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: LB91335

SDG No.: LB91335

Contract: _____ Lab Code: CHEM

Case No.: LB91335

SAS No.: LB91335

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		11/03/2017	11:20	LB91335
CCV2	Reactive Cyanide	0.25	0.25	100	0	90 - 110		11/03/2017	11:27	LB91335
CCV3	Reactive Cyanide	0.26	0.25	104	0	90 - 110		11/03/2017	11:51	LB91335



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB91335 **SDG No.:** LB91335
Contract: **Lab Code:** CHEM **Case No.:** LB91335 **SAS No.:** LB91335

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Reactive Cyanide	-0	+/-0.005	U		0.005		11/03/2017	11:20	LB91335

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Reactive Cyanide	0.0001	+/-0.005	U		0.005		11/03/2017	11:20	LB91335
CCB2	Reactive Cyanide	0.0002	+/-0.005	U		0.005		11/03/2017	11:27	LB91335
CCB3	Reactive Cyanide	0.00014	+/-0.005	U		0.005		11/03/2017	11:51	LB91335



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB91335

SDG No.: LB91335

Contract: Lab Code: CHEM

Case No.: LB91335

SAS No.: LB91335

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: LB91335

SDG No.: LB91335

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
PB103914BL	Reactive Cyanide	SOLID		Batch Number:		PB103914		Prep Date:	11/02/2017	
		-0.00092	<0.05	U		0.05		11/03/2017	11:20	LB91335
Sample ID	Analyte	Result (mg/L)	Acceptance Limit	Conc Qual	LOD mg/L	CRQL mg/L	M	Analysis Date	Analysis Time	Run
PB103915BL	Reactive Cyanide	WATER		Batch Number:		PB103915		Prep Date:	11/02/2017	
		-0.00025	<0.005	U		0.005		11/03/2017	11:27	LB91335

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DUPLICATE SAMPLE SUMMARY

Client: LB91335 **Level:** LOW **SDG No.:** LB91335
Contract: **Lab Code:** CHEM **Case No.:** LB91335 **SAS No.:** LB91335
Matrix: Solid **Sample ID:** I6189-02 **Client ID:** LEONIA-GENDUP
Percent Solids for Sample: 100 **Duplicate ID** I6189-02DUP **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	-0.0028	U			

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DUPLICATE SAMPLE SUMMARY

Client: LB91335 **Level:** LOW **SDG No.:** LB91335
Contract: **Lab Code:** CHEM **Case No.:** LB91335 **SAS No.:** LB91335
Matrix: WATER **Sample ID:** I6243-02 **Client ID:** N35799DUP
Percent Solids for Sample: 0 **Duplicate ID** I6243-02DUP **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Reactive Cyanide	mg/L	20	0.0025	U	-0.00032	U			