

Daily Analysis Runlog For Sequence/QC Batch ID # LB94199

Review By		Review On				
SubDirectory		LB94199		Test : Reactive Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP63099,WP63100,WP63101,WP63102,WP63103,WP63104,WP63105				
ICV Standard		WP63107				
CCV Standard		WP63106				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP63109,WP59958,WP60878				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	03/28/18 11:06		OK
2	5.0PPBCN	5.0PPBCN	CAL2	03/28/18 11:06		OK
3	10PPBCN	10PPBCN	CAL3	03/28/18 11:06		OK
4	50PPBCN	50PPBCN	CAL4	03/28/18 11:06		OK
5	100PPBCN	100PPBCN	CAL5	03/28/18 11:06		OK
6	250PPBCN	250PPBCN	CAL6	03/28/18 11:06		OK
7	500PPBCN	500PPBCN	CAL7	03/28/18 11:06		OK
8	ICV1	ICV1	ICV	03/28/18 11:41		OK
9	ICB1	ICB1	ICB	03/28/18 11:41		OK
10	CCV1	CCV1	CCV	03/28/18 11:41		OK
11	CCB1	CCB1	CCB	03/28/18 11:41		OK
12	PB107729BL	PB107729BL	MB	03/28/18 11:41		OK
13	J1754-12	CL-02-032718-A	SAM	03/28/18 11:41		OK
14	J1754-12DUP	CL-02-032718-ADUP	DUP	03/28/18 11:41		OK
15	J1754-14	CL-02-032718-B	SAM	03/28/18 11:41		OK
16	J1754-16	CL-02-032718-C	SAM	03/28/18 11:41		OK
17	J1754-18	CL-02-032718-D	SAM	03/28/18 11:41		OK
18	J1754-20	CL-02-032718-E	SAM	03/28/18 11:41		OK
19	J1756-12	OR-01-032718-A	SAM	03/28/18 11:48		OK
20	J1756-14	OR-01-032718-B	SAM	03/28/18 11:48		OK
21	J2085-03	WO-RO-1499	SAM	03/28/18 11:48		OK

284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

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STD. NAME		STD REF.#				
ICAL Standard		WP63099,WP63100,WP63101,WP63102,WP63103,WP63104,WP63105				
ICV Standard		WP63107				
CCV Standard		WP63106				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP63109,WP59958,WP60878				
22	CCV2	CCV2	CCV	03/28/18 11:49		OK
23	CCB2	CCB2	CCB	03/28/18 11:49		OK
24	J2086-03	RS-124023-124035	SAM	03/28/18 11:49		OK
25	J2087-03	JRS-RB201719RT-C	SAM	03/28/18 11:49		OK
26	J2088-02	TP-2	SAM	03/28/18 11:49		OK
27	J2088-05	TP-1	SAM	03/28/18 11:49		OK
28	J2089-01	POWERWASH-DEBI	SAM	03/28/18 11:49		OK
29	J2096-03	CS-T2	SAM	03/28/18 11:49		OK
30	J2100-03	TP-8-DB	SAM	03/28/18 11:53		OK
31	J2100-06	TP-5-DB	SAM	03/28/18 11:53		OK
32	CCV3	CCV3	CCV	03/28/18 11:53		OK
33	CCB3	CCB3	CCB	03/28/18 11:53		OK



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Report of Analysis

Client:		Date Collected:	3/27/2018 12:00:00 AM
Project:	LB94199	Date Received:	3/27/2018 12:00:00 AM
Client Sample ID:	CL-02-032718-A	SDG No.:	LB94199
Lab Sample ID:	J1754-12	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	0.00034	U	1	0.02		0.04	mg/Kg	03/28/2018	03/28/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/27/2018 12:00:00 AM
Project:	LB94199	Date Received:	3/27/2018 12:00:00 AM
Client Sample ID:	CL-02-032718-B	SDG No.:	LB94199
Lab Sample ID:	J1754-14	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	-0.00093	U	1	0.02		0.04	mg/Kg	03/28/2018	03/28/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/27/2018 12:00:00 AM
Project:	LB94199	Date Received:	3/27/2018 12:00:00 AM
Client Sample ID:	CL-02-032718-C	SDG No.:	LB94199
Lab Sample ID:	J1754-16	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	-0.00062	U	1	0.02		0.04	mg/Kg	03/28/2018	03/28/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/27/2018 12:00:00 AM
Project:	LB94199	Date Received:	3/27/2018 12:00:00 AM
Client Sample ID:	CL-02-032718-D	SDG No.:	LB94199
Lab Sample ID:	J1754-18	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	-0.00087	U	1	0.02		0.04	mg/Kg	03/28/2018	03/28/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/27/2018 12:00:00 AM
Project:	LB94199	Date Received:	3/27/2018 12:00:00 AM
Client Sample ID:	CL-02-032718-E	SDG No.:	LB94199
Lab Sample ID:	J1754-20	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	-0.00062	U	1	0.02		0.04	mg/Kg	03/28/2018	03/28/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/27/2018 12:00:00 AM
Project:	LB94199	Date Received:	3/27/2018 12:00:00 AM
Client Sample ID:	OR-01-032718-A	SDG No.:	LB94199
Lab Sample ID:	J1756-12	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	-0.00058	U	1	0.02		0.04	mg/Kg	03/28/2018	03/28/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/27/2018 12:00:00 AM
Project:	LB94199	Date Received:	3/27/2018 12:00:00 AM
Client Sample ID:	OR-01-032718-B	SDG No.:	LB94199
Lab Sample ID:	J1756-14	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	-0.00034	U	1	0.02		0.04	mg/Kg	03/28/2018	03/28/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/27/2018 12:00:00 AM
Project:	LB94199	Date Received:	3/27/2018 12:00:00 AM
Client Sample ID:	WO-RO-1499	SDG No.:	LB94199
Lab Sample ID:	J2085-03	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	0.0012	U	1	0.02		0.04	mg/Kg	03/28/2018	03/28/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/27/2018 12:00:00 AM
Project:	LB94199	Date Received:	3/27/2018 12:00:00 AM
Client Sample ID:	RS-124023-124035	SDG No.:	LB94199
Lab Sample ID:	J2086-03	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	0.00048	U	1	0.02		0.04	mg/Kg	03/28/2018	03/28/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/27/2018 12:00:00 AM
Project:	LB94199	Date Received:	3/27/2018 12:00:00 AM
Client Sample ID:	JRS-RB201719RT-CV-2530	SDG No.:	LB94199
Lab Sample ID:	J2087-03	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	-0.00086	U	1	0.02		0.04	mg/Kg	03/28/2018	03/28/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/27/2018 12:00:00 AM
Project:	LB94199	Date Received:	3/27/2018 12:00:00 AM
Client Sample ID:	TP-2	SDG No.:	LB94199
Lab Sample ID:	J2088-02	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	0.00011	U	1	0.02		0.04	mg/Kg	03/28/2018	03/28/2018	9012B

Report of Analysis

Client:		Date Collected:	3/27/2018 12:00:00 AM
Project:	LB94199	Date Received:	3/27/2018 12:00:00 AM
Client Sample ID:	TP-1	SDG No.:	LB94199
Lab Sample ID:	J2088-05	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	0.0013	U	1	0.02		0.04	mg/Kg	03/28/2018	03/28/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/27/2018 12:00:00 AM
Project:	LB94199	Date Received:	3/27/2018 12:00:00 AM
Client Sample ID:	POWERWASH-DEBRIS	SDG No.:	LB94199
Lab Sample ID:	J2089-01	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	-0.00094	U	1	0.02		0.04	mg/Kg	03/28/2018	03/28/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/27/2018 12:00:00 AM
Project:	LB94199	Date Received:	3/27/2018 12:00:00 AM
Client Sample ID:	CS-T2	SDG No.:	LB94199
Lab Sample ID:	J2096-03	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	-0.00077	U	1	0.02		0.04	mg/Kg	03/28/2018	03/28/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/27/2018 12:00:00 AM
Project:	LB94199	Date Received:	3/27/2018 12:00:00 AM
Client Sample ID:	TP-8-DB	SDG No.:	LB94199
Lab Sample ID:	J2100-03	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	-0.00045	U	1	0.02		0.04	mg/Kg	03/28/2018	03/28/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/27/2018 12:00:00 AM
Project:	LB94199	Date Received:	3/27/2018 12:00:00 AM
Client Sample ID:	TP-5-DB	SDG No.:	LB94199
Lab Sample ID:	J2100-06	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	-0.0013	U	1	0.02		0.04	mg/Kg	03/28/2018	03/28/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/27/2018 12:00:00 AM
Project:	LB94199	Date Received:	3/27/2018 12:00:00 AM
Client Sample ID:	TP-5-DB	SDG No.:	LB94199
Lab Sample ID:	J2100-06	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
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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: LB94199

SDG No.: LB94199

Contract: _____ Lab Code: CHEM

Case No.: LB94199

SAS No.: LB94199

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		03/28/2018	11:41	lb94199
CCV2	Reactive Cyanide	0.24	0.25	96		90 - 110		03/28/2018	11:49	lb94199
CCV3	Reactive Cyanide	0.25	0.25	100		90 - 110		03/28/2018	11:53	lb94199



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB94199 **SDG No.:** LB94199
Contract: **Lab Code:** CHEM **Case No.:** LB94199 **SAS No.:** LB94199

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Reactive Cyanide	0.00013	+/-0.005	U		0.005		03/28/2018	11:41	lb94199

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		03/28/2018	11:41	1b94199
CCB2	Reactive Cyanide	0.00027	+/-0.005	U		0.005		03/28/2018	11:49	1b94199
CCB3	Reactive Cyanide	0	+/-0.005	U		0.005		03/28/2018	11:53	1b94199



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB94199

SDG No.: LB94199

Contract:

Lab Code: CHEM

Case No.: LB94199

SAS No.: LB94199

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: LB94199

SDG No.: LB94199

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
PB107729BL	Reactive Cyanide	SOLID -0.00012	<0.04	Batch Number: U		PB107729 0.04		Prep Date: 03/28/2018	03/28/2018 11:41	lb94199

GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB94199 **Level:** LOW **SDG No.:** LB94199
Contract: **Lab Code:** CHEM **Case No.:** LB94199 **SAS No.:** LB94199
Matrix: Solid **Sample ID:** J1754-12 **Client ID:** CL-02-032718-ADUP
Percent Solids for Sample: 100 **Duplicate ID** J1754-12DUP **Percent Solids for Spike Sample:** 100

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Reactive Cyanide	mg/Kg	20	0.02	U	-0.0014	U			