

Daily Analysis Runlog For Sequence/QC Batch ID # LB95246

Review By		Review On				
SubDirectory		LB95246		Test : Reactive Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP64378,WP64379,WP64380,WP64381,WP64382,WP64383,WP64384				
ICV Standard		WP64387				
CCV Standard		WP64385				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP64388,WP59958,WP60878				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	05/10/18 08:39		OK
2	5.0PPBCN	5.0PPBCN	CAL2	05/10/18 08:39		OK
3	10PPBCN	10PPBCN	CAL3	05/10/18 08:39		OK
4	50PPBCN	50PPBCN	CAL4	05/10/18 08:39		OK
5	100PPBCN	100PPBCN	CAL5	05/10/18 08:39		OK
6	250PPBCN	250PPBCN	CAL6	05/10/18 08:39		OK
7	500PPBCN	500PPBCN	CAL7	05/10/18 08:39		OK
8	ICV1	ICV1	ICV	05/10/18 11:55		OK
9	ICB1	ICB1	ICB	05/10/18 11:55		OK
10	CCV1	CCV1	CCV	05/10/18 11:55		OK
11	CCB1	CCB1	CCB	05/10/18 11:55		OK
12	PB109116BL	PB109116BL	MB	05/10/18 11:55		OK
13	J1427-02	S-1	SAM	05/10/18 11:55		OK
14	J1427-02DUP	S-1DUP	DUP	05/10/18 11:55		OK
15	J2671-06	AU-06-050918-A	SAM	05/10/18 11:55		OK
16	J2671-08	AU-06-050918-B	SAM	05/10/18 11:55		OK
17	J2671-10	AU-06-050918-C	SAM	05/10/18 11:55		OK
18	J2672-04	BU-01-050918	SAM	05/10/18 11:55		OK
19	J2676-12	CL-02-050918-A	SAM	05/10/18 12:03		OK
20	J2676-14	CL-02-050918-B	SAM	05/10/18 12:03		OK
21	J2676-16	CL-02-050918-C	SAM	05/10/18 12:03		OK

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

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SubDirectory		LB95246		Test : Reactive Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP64378,WP64379,WP64380,WP64381,WP64382,WP64383,WP64384				
ICV Standard		WP64387				
CCV Standard		WP64385				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP64388,WP59958,WP60878				
22	CCV2	CCV2	CCV	05/10/18 12:03		OK
23	CCB2	CCB2	CCB	05/10/18 12:03		OK
24	J2676-18	CL-02-050918-D	SAM	05/10/18 12:03		OK
25	J2676-20	CL-02-050918-E	SAM	05/10/18 12:03		OK
26	J2678-02	OR-02-050918	SAM	05/10/18 12:03		OK
27	J2818-02	LS-RO-2711993	SAM	05/10/18 12:03		OK
28	J2836-03	TP-9A	SAM	05/10/18 12:03		OK
29	J2836-06	TP-9B	SAM	05/10/18 12:03		OK
30	PB109117BL	PB109117BL	MB	05/10/18 12:08		OK
31	J1427-04	W-1	SAM	05/10/18 12:08		OK
32	J1427-04DUP	W-1DUP	DUP	05/10/18 12:08		OK
33	CCV3	CCV3	CCV	05/10/18 12:08		OK
34	CCB3	CCB3	CCB	05/10/18 12:08		OK



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Report of Analysis

Client:		Date Collected:	5/9/2018 12:00:00 AM
Project:	LB95246	Date Received:	5/9/2018 12:00:00 AM
Client Sample ID:	S-1	SDG No.:	LB95246
Lab Sample ID:	J1427-02	Matrix:	Solid
Level (low/med):	low	% Solid:	46.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	Reactive Cyanide	0.0084	U	1	0.025		0.05	mg/Kg	05/10/2018	05/10/2018	9012B



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Report of Analysis

Client:		Date Collected:	5/9/2018 12:00:00 AM
Project:	LB95246	Date Received:	5/9/2018 12:00:00 AM
Client Sample ID:	W-1	SDG No.:	LB95246
Lab Sample ID:	J1427-04	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	0.00077	U	1	0.0025		0.005	mg/L	05/10/2018	05/10/2018	9012B



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Report of Analysis

Client:		Date Collected:	5/9/2018 12:00:00 AM
Project:	LB95246	Date Received:	5/9/2018 12:00:00 AM
Client Sample ID:	AU-06-050918-A	SDG No.:	LB95246
Lab Sample ID:	J2671-06	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	0.006	U	1	0.025		0.05	mg/Kg	05/10/2018	05/10/2018	9012B



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Report of Analysis

Client:		Date Collected:	5/9/2018 12:00:00 AM
Project:	LB95246	Date Received:	5/9/2018 12:00:00 AM
Client Sample ID:	AU-06-050918-B	SDG No.:	LB95246
Lab Sample ID:	J2671-08	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	0.0052	U	1	0.025		0.05	mg/Kg	05/10/2018	05/10/2018	9012B



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Report of Analysis

Client:		Date Collected:	5/9/2018 12:00:00 AM
Project:	LB95246	Date Received:	5/9/2018 12:00:00 AM
Client Sample ID:	AU-06-050918-C	SDG No.:	LB95246
Lab Sample ID:	J2671-10	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	0.0028	U	1	0.025		0.05	mg/Kg	05/10/2018	05/10/2018	9012B



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Report of Analysis

Client:		Date Collected:	5/9/2018 12:00:00 AM
Project:	LB95246	Date Received:	5/9/2018 12:00:00 AM
Client Sample ID:	BU-01-050918	SDG No.:	LB95246
Lab Sample ID:	J2672-04	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	0.0045	U	1	0.025		0.05	mg/Kg	05/10/2018	05/10/2018	9012B



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Report of Analysis

Client:		Date Collected:	5/9/2018 12:00:00 AM
Project:	LB95246	Date Received:	5/9/2018 12:00:00 AM
Client Sample ID:	CL-02-050918-A	SDG No.:	LB95246
Lab Sample ID:	J2676-12	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		0.05	mg/Kg	05/10/2018	05/10/2018	9012B



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Report of Analysis

Client:		Date Collected:	5/9/2018 12:00:00 AM
Project:	LB95246	Date Received:	5/9/2018 12:00:00 AM
Client Sample ID:	CL-02-050918-B	SDG No.:	LB95246
Lab Sample ID:	J2676-14	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	0.0077	U	1	0.025		0.05	mg/Kg	05/10/2018	05/10/2018	9012B



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Report of Analysis

Client:		Date Collected:	5/9/2018 12:00:00 AM
Project:	LB95246	Date Received:	5/9/2018 12:00:00 AM
Client Sample ID:	CL-02-050918-C	SDG No.:	LB95246
Lab Sample ID:	J2676-16	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	0.0092	U	1	0.025		0.05	mg/Kg	05/10/2018	05/10/2018	9012B



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Report of Analysis

Client:		Date Collected:	5/9/2018 12:00:00 AM
Project:	LB95246	Date Received:	5/9/2018 12:00:00 AM
Client Sample ID:	CL-02-050918-D	SDG No.:	LB95246
Lab Sample ID:	J2676-18	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	0.0063	U	1	0.025		0.05	mg/Kg	05/10/2018	05/10/2018	9012B



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Report of Analysis

Client:		Date Collected:	5/9/2018 12:00:00 AM
Project:	LB95246	Date Received:	5/9/2018 12:00:00 AM
Client Sample ID:	CL-02-050918-E	SDG No.:	LB95246
Lab Sample ID:	J2676-20	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	0.0042	U	1	0.025		0.05	mg/Kg	05/10/2018	05/10/2018	9012B



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Report of Analysis

Client:		Date Collected:	5/9/2018 12:00:00 AM
Project:	LB95246	Date Received:	5/9/2018 12:00:00 AM
Client Sample ID:	OR-02-050918	SDG No.:	LB95246
Lab Sample ID:	J2678-02	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	0.0048	U	1	0.025		0.05	mg/Kg	05/10/2018	05/10/2018	9012B



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Report of Analysis

Client:		Date Collected:	5/9/2018 12:00:00 AM
Project:	LB95246	Date Received:	5/9/2018 12:00:00 AM
Client Sample ID:	LS-RO-2711993	SDG No.:	LB95246
Lab Sample ID:	J2818-02	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	0.0092	U	1	0.025		0.05	mg/Kg	05/10/2018	05/10/2018	9012B



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Report of Analysis

Client:		Date Collected:	5/9/2018 12:00:00 AM
Project:	LB95246	Date Received:	5/9/2018 12:00:00 AM
Client Sample ID:	TP-9A	SDG No.:	LB95246
Lab Sample ID:	J2836-03	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	0.0035	U	1	0.025		0.05	mg/Kg	05/10/2018	05/10/2018	9012B



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Report of Analysis

Client:		Date Collected:	5/9/2018 12:00:00 AM
Project:	LB95246	Date Received:	5/9/2018 12:00:00 AM
Client Sample ID:	TP-9B	SDG No.:	LB95246
Lab Sample ID:	J2836-06	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	0.0072	U	1	0.025		0.05	mg/Kg	05/10/2018	05/10/2018	9012B



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Report of Analysis

Client:		Date Collected:	5/9/2018 12:00:00 AM
Project:	LB95246	Date Received:	5/9/2018 12:00:00 AM
Client Sample ID:	TP-9B	SDG No.:	LB95246
Lab Sample ID:	J2836-06	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: LB95246

SDG No.: LB95246

Contract: _____ Lab Code: CHEM

Case No.: LB95246

SAS No.: LB95246

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
ICV1	Reactive Cyanide	0.097	0.099	98		85 - 115		05/10/2018	11:55	LB95246



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB95246

SDG No.: LB95246

Contract: _____ Lab Code: CHEM

Case No.: LB95246

SAS No.: LB95246

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		05/10/2018	11:55	LB95246
CCV2	Reactive Cyanide	0.24	0.25	96		90 - 110		05/10/2018	12:03	LB95246
CCV3	Reactive Cyanide	0.25	0.25	100		90 - 110		05/10/2018	12:08	LB95246



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB95246 **SDG No.:** LB95246
Contract: **Lab Code:** CHEM **Case No.:** LB95246 **SAS No.:** LB95246

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Reactive Cyanide	0.0005	+/-0.005	U		0.005		05/10/2018	11:55	LB95246



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB95246

SDG No.: LB95246

Contract:

Lab Code: CHEM

Case No.: LB95246

SAS No.: LB95246

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Reactive Cyanide	0.00039	+/-0.005	U		0.005		05/10/2018	11:55	LB95246
CCB2	Reactive Cyanide	0.00068	+/-0.005	U		0.005		05/10/2018	12:03	LB95246
CCB3	Reactive Cyanide	0.00063	+/-0.005	U		0.005		05/10/2018	12:08	LB95246



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB95246

SDG No.: LB95246

Contract: Lab Code: CHEM

Case No.: LB95246

SAS No.: LB95246

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: LB95246

SDG No.: LB95246

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
PB109116BL	Reactive Cyanide	SOLID		Batch Number:		PB109116		Prep Date:	05/10/2018	
		0.01	<0.05	U		0.05		05/10/2018	11:55	LB95246
Sample ID	Analyte	Result (mg/L)	Acceptance Limit	Conc Qual	LOD mg/L	CRQL mg/L	M	Analysis Date	Analysis Time	Run
PB109117BL	Reactive Cyanide	WATER		Batch Number:		PB109117		Prep Date:	05/10/2018	
		0.00032	<0.005	U		0.005		05/10/2018	12:08	LB95246

GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB95246 **Level:** LOW **SDG No.:** LB95246
Contract: **Lab Code:** CHEM **Case No.:** LB95246 **SAS No.:** LB95246
Matrix: Solid **Sample ID:** J1427-02 **Client ID:** S-1DUP
Percent Solids for Sample: 46.5 **Duplicate ID** J1427-02DUP **Percent Solids for Spike Sample:** 46.5

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Reactive Cyanide	mg/Kg	20	0.025	U	0.0087	U			

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DUPLICATE SAMPLE SUMMARY

Client: LB95246 **Level:** LOW **SDG No.:** LB95246
Contract: _____ **Lab Code:** CHEM **Case No.:** LB95246 **SAS No.:** LB95246
Matrix: WATER **Sample ID:** J1427-04 **Client ID:** W-1DUP
Percent Solids for Sample: 0 **Duplicate ID** J1427-04DUP **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	0.00056	U			