

Daily Analysis Runlog For Sequence/QC Batch ID # LB95764

Review By		Review On				
SubDirectory		LB95764		Test : Reactive Cyanide		

STD. NAME	STD REF.#
ICAL Standard	WP64957,WP64958,WP64959,WP64960,WP64961,WP64962,WP64963
ICV Standard	WP64965
CCV Standard	WP64964
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	WP64966,WP64695,WP64696

Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	06/01/18 07:38		OK
2	5.0PPBCN	5.0PPBCN	CAL2	06/01/18 07:38		OK
3	10PPBCN	10PPBCN	CAL3	06/01/18 07:38		OK
4	50PPBCN	50PPBCN	CAL4	06/01/18 07:38		OK
5	100PPBCN	100PPBCN	CAL5	06/01/18 07:38		OK
6	250PPBCN	250PPBCN	CAL6	06/01/18 07:38		OK
7	500PPBCN	500PPBCN	CAL7	06/01/18 07:38		OK
8	ICV1	ICV1	ICV	06/01/18 11:47		OK
9	ICB1	ICB1	ICB	06/01/18 11:47		OK
10	CCV1	CCV1	CCV	06/01/18 11:47		OK
11	CCB1	CCB1	CCB	06/01/18 11:47		OK
12	PB109864BL	PB109864BL	MB	06/01/18 11:47		OK
13	J2670-08	TR-05-053118	SAM	06/01/18 11:47		OK
14	J2670-08DUP	TR-05-053118DUP	DUP	06/01/18 11:47		OK
15	J2672-10	BU-01-053118	SAM	06/01/18 11:47		OK
16	J2676-32	CL-02-053118-A	SAM	06/01/18 11:47		OK
17	J2676-34	CL-02-053118-B	SAM	06/01/18 11:47		OK
18	J2676-38	CL-02-053118-D	SAM	06/01/18 11:47		OK
19	J2677-08	OK-03-053118	SAM	06/01/18 11:55		OK
20	J3179-01	TYPE-A-TAGS	SAM	06/01/18 11:55		OK
21	J3179-02	TYPE-B-TAGS	SAM	06/01/18 11:55		OK

Daily Analysis Runlog For Sequence/QC Batch ID # LB95764

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SubDirectory		LB95764		Test : Reactive Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP64957,WP64958,WP64959,WP64960,WP64961,WP64962,WP64963				
ICV Standard		WP64965				
CCV Standard		WP64964				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP64966,WP64695,WP64696				
22	CCV2	CCV2	CCV	06/01/18 11:55		OK
23	CCB2	CCB2	CCB	06/01/18 11:55		OK
24	J3226-03	RS-RO-97-20	SAM	06/01/18 11:55		OK
25	J3226-06	RS-RB47199RT	SAM	06/01/18 11:55		OK
26	J3227-03	RO-37426-30-CHER	SAM	06/01/18 11:55		OK
27	PB109865BL	PB109865BL	MB	06/01/18 11:55		OK
28	J3237-04	AG-BASELINEWATE	SAM	06/01/18 11:55		OK
29	J3237-04DUP	AG-BASELINEWATE	DUP	06/01/18 11:55		OK
30	J2676-36	CL-02-053118-C	SAM	06/01/18 11:59		OK
31	CCV3	CCV3	CCV	06/01/18 11:59		OK
32	CCB3	CCB3	CCB	06/01/18 11:59		OK



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Report of Analysis

Client:		Date Collected:	5/31/2018 12:00:00 AM
Project:	LB95764	Date Received:	5/31/2018 12:00:00 AM
Client Sample ID:	TR-05-053118	SDG No.:	LB95764
Lab Sample ID:	J2670-08	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	-0.0032	U	1	0.025		0.05	mg/Kg	06/01/2018	06/01/2018	9012B



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Report of Analysis

Client:		Date Collected:	5/31/2018 12:00:00 AM
Project:	LB95764	Date Received:	5/31/2018 12:00:00 AM
Client Sample ID:	BU-01-053118	SDG No.:	LB95764
Lab Sample ID:	J2672-10	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	06/01/2018	06/01/2018	9012B



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Report of Analysis

Client:		Date Collected:	5/31/2018 12:00:00 AM
Project:	LB95764	Date Received:	5/31/2018 12:00:00 AM
Client Sample ID:	CL-02-053118-A	SDG No.:	LB95764
Lab Sample ID:	J2676-32	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	-0.0033	U	1	0.025		0.05	mg/Kg	06/01/2018	06/01/2018	9012B



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Report of Analysis

Client:		Date Collected:	5/31/2018 12:00:00 AM
Project:	LB95764	Date Received:	5/31/2018 12:00:00 AM
Client Sample ID:	CL-02-053118-B	SDG No.:	LB95764
Lab Sample ID:	J2676-34	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	-0.0038	U	1	0.025		0.05	mg/Kg	06/01/2018	06/01/2018	9012B

Report of Analysis

Client:		Date Collected:	5/31/2018 12:00:00 AM
Project:	LB95764	Date Received:	5/31/2018 12:00:00 AM
Client Sample ID:	CL-02-053118-C	SDG No.:	LB95764
Lab Sample ID:	J2676-36	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	-0.00046	U	1	0.025		0.05	mg/Kg	06/01/2018	06/01/2018	9012B

Report of Analysis

Client:		Date Collected:	5/31/2018 12:00:00 AM
Project:	LB95764	Date Received:	5/31/2018 12:00:00 AM
Client Sample ID:	CL-02-053118-D	SDG No.:	LB95764
Lab Sample ID:	J2676-38	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	-0.0037	U	1	0.025		0.05	mg/Kg	06/01/2018	06/01/2018	9012B



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Report of Analysis

Client:		Date Collected:	5/31/2018 12:00:00 AM
Project:	LB95764	Date Received:	5/31/2018 12:00:00 AM
Client Sample ID:	OK-03-053118	SDG No.:	LB95764
Lab Sample ID:	J2677-08	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	-0.003	U	1	0.025		0.05	mg/Kg	06/01/2018	06/01/2018	9012B



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Report of Analysis

Client:		Date Collected:	5/25/2018 12:00:00 AM
Project:	LB95764	Date Received:	5/25/2018 12:00:00 AM
Client Sample ID:	TYPE-A-TAGS	SDG No.:	LB95764
Lab Sample ID:	J3179-01	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	0.0001	U	1	0.025		0.05	mg/Kg	06/01/2018	06/01/2018	9012B



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Report of Analysis

Client:		Date Collected:	5/25/2018 12:00:00 AM
Project:	LB95764	Date Received:	5/25/2018 12:00:00 AM
Client Sample ID:	TYPE-B-TAGS	SDG No.:	LB95764
Lab Sample ID:	J3179-02	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	-0.00046	U	1	0.025		0.05	mg/Kg	06/01/2018	06/01/2018	9012B



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Report of Analysis

Client:		Date Collected:	5/31/2018 12:00:00 AM
Project:	LB95764	Date Received:	5/31/2018 12:00:00 AM
Client Sample ID:	RS-RO-97-20	SDG No.:	LB95764
Lab Sample ID:	J3226-03	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	-0.0052	U	1	0.025		0.05	mg/Kg	06/01/2018	06/01/2018	9012B



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Report of Analysis

Client:		Date Collected:	5/31/2018 12:00:00 AM
Project:	LB95764	Date Received:	5/31/2018 12:00:00 AM
Client Sample ID:	RS-RB47199RT	SDG No.:	LB95764
Lab Sample ID:	J3226-06	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	-0.0022	U	1	0.025		0.05	mg/Kg	06/01/2018	06/01/2018	9012B



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Report of Analysis

Client:		Date Collected:	5/31/2018 12:00:00 AM
Project:	LB95764	Date Received:	5/31/2018 12:00:00 AM
Client Sample ID:	RO-37426-30-CHERI-LANE	SDG No.:	LB95764
Lab Sample ID:	J3227-03	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	-0.0051	U	1	0.025		0.05	mg/Kg	06/01/2018	06/01/2018	9012B



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Report of Analysis

Client:		Date Collected:	5/31/2018 12:00:00 AM
Project:	LB95764	Date Received:	5/31/2018 12:00:00 AM
Client Sample ID:	AG-BASELINEWATER	SDG No.:	LB95764
Lab Sample ID:	J3237-04	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	U	1	0.0025		0.005	mg/L	06/01/2018	06/01/2018	9012B



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Report of Analysis

Client:		Date Collected:	5/31/2018 12:00:00 AM
Project:	LB95764	Date Received:	5/31/2018 12:00:00 AM
Client Sample ID:	AG-BASELINEWATER	SDG No.:	LB95764
Lab Sample ID:	J3237-04	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
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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: LB95764

SDG No.: LB95764

Contract: _____ Lab Code: CHEM

Case No.: LB95764

SAS No.: LB95764

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	0.096	0.099	97		85 - 115		06/01/2018	11:47	LB95764



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB95764

SDG No.: LB95764

Contract: _____ Lab Code: CHEM

Case No.: LB95764

SAS No.: LB95764

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		06/01/2018	11:47	LB95764
CCV2	Reactive Cyanide	0.24	0.25	96		90 - 110		06/01/2018	11:55	LB95764
CCV3	Reactive Cyanide	0.26	0.25	104		90 - 110		06/01/2018	11:59	LB95764



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB95764

SDG No.: LB95764

Contract:

Lab Code: CHEM

Case No.: LB95764

SAS No.: LB95764

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		06/01/2018	11:47	LB95764



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB95764

SDG No.: LB95764

Contract:

Lab Code: CHEM

Case No.: LB95764

SAS No.: LB95764

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Reactive Cyanide	0.00035	+/-0.005	U		0.005		06/01/2018	11:47	LB95764
CCB2	Reactive Cyanide	-0.0002	+/-0.005	U		0.005		06/01/2018	11:55	LB95764
CCB3	Reactive Cyanide	-0.0001	+/-0.005	U		0.005		06/01/2018	11:59	LB95764



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB95764

SDG No.: LB95764

Contract: Lab Code: CHEM

Case No.: LB95764

SAS No.: LB95764

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: LB95764

SDG No.: LB95764

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
PB109864BL	Reactive Cyanide	SOLID		Batch Number:		PB109864		Prep Date:	06/01/2018	
		-0.0038	<0.05	U		0.05		06/01/2018	11:47	LB95764
Sample ID	Analyte	Result (mg/L)	Acceptance Limit	Conc Qual	LOD mg/L	CRQL mg/L	M	Analysis Date	Analysis Time	Run
PB109865BL	Reactive Cyanide	WATER		Batch Number:		PB109865		Prep Date:	06/01/2018	
		-0.00012	<0.005	U		0.005		06/01/2018	11:55	LB95764

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DUPLICATE SAMPLE SUMMARY

Client: LB95764 **Level:** LOW **SDG No.:** LB95764
Contract: **Lab Code:** CHEM **Case No.:** LB95764 **SAS No.:** LB95764
Matrix: Solid **Sample ID:** J2670-08 **Client ID:** TR-05-053118DUP
Percent Solids for Sample: 100 **Duplicate ID** J2670-08DUP **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	-0.0027	U			

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DUPLICATE SAMPLE SUMMARY

Client: LB95764 **Level:** LOW **SDG No.:** LB95764
Contract: **Lab Code:** CHEM **Case No.:** LB95764 **SAS No.:** LB95764
Matrix: WATER **Sample ID:** J3237-04 **Client ID:** AG-BASELINEWATERDUP
Percent Solids for Sample: 0 **Duplicate ID** J3237-04DUP **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	0.00026	U			