

Daily Analysis Runlog For Sequence/QC Batch ID # LB95766

Review By

Review On

SubDirectory

LB95766

Test :

Cyanide

STD. NAME	STD REF.#
ICAL Standard	WP64957,WP64958,WP64959,WP64960,WP64961,WP64962,WP64963
ICV Standard	W1542
CCV Standard	WP64964
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP62802
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 13:25		OK
9	ICB1	ICB1	ICB	06/01/18 13:25		OK
10	CCV1	CCV1	CCV	06/01/18 13:25		OK
11	CCB1	CCB1	CCB	06/01/18 13:25		OK
12	PB109870BL	PB109870BL	MB	06/01/18 13:25		OK
13	PB109870BS	PB109870BS	LCS	06/01/18 13:25		OK
14	J2670-07	TR-05-053118	SAM	06/01/18 13:25		OK
15	J2670-07DUP	TR-05-053118DUP	DUP	06/01/18 13:25		OK
16	J2670-07MS	TR-05-053118MS	MS	06/01/18 13:25		OK
17	J2670-07MSD	TR-05-053118MSD	MSD	06/01/18 13:25		OK
18	J2672-09	BU-01-053118	SAM	06/01/18 13:25		OK
19	J2676-31	CL-02-053118-A	SAM	06/01/18 13:33		OK
20	J2676-33	CL-02-053118-B	SAM	06/01/18 13:33		OK
21	J2676-35	CL-02-053118-C	SAM	06/01/18 13:33		OK

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ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP62802
Chk Standard	WP64966,WP64695,WP64696

#	Sample	Standard	Method	Time	Result	Status
22	CCV2	CCV2	CCV	06/01/18 13:33		OK
23	CCB2	CCB2	CCB	06/01/18 13:33		OK
24	J2676-37	CL-02-053118-D	SAM	06/01/18 13:33		OK
25	J2677-07	OK-03-053118	SAM	06/01/18 13:33		OK
26	J3226-01	RS-RO-97-20	SAM	06/01/18 13:33		OK
27	J3226-04	RS-RB47199RT	SAM	06/01/18 13:33		OK
28	J3227-01	RO-37426-30-CHER	SAM	06/01/18 13:33		OK
29	CCV3	CCV3	CCV	06/01/18 13:33		OK
30	CCB3	CCB3	CCB	06/01/18 13:36		OK



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Report of Analysis

Client:		Date Collected:	5/31/2018 12:00:00 AM
Project:	LB95766	Date Received:	5/31/2018 12:00:00 AM
Client Sample ID:	TR-05-053118	SDG No.:	LB95766
Lab Sample ID:	J2670-07	Matrix:	Solid
Level (low/med):	low	% Solid:	85.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.074	J	1	0.037		0.28	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:	LB95766	Date Received:	5/31/2018 12:00:00 AM
Client Sample ID:	BU-01-053118	SDG No.:	LB95766
Lab Sample ID:	J2672-09	Matrix:	Solid
Level (low/med):	low	% Solid:	86

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.046	J	1	0.037		0.28	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:	LB95766	Date Received:	5/31/2018 12:00:00 AM
Client Sample ID:	CL-02-053118-A	SDG No.:	LB95766
Lab Sample ID:	J2676-31	Matrix:	Solid
Level (low/med):	low	% Solid:	88.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.064	J	1	0.035		0.26	mg/Kg	06/01/2018	06/01/2018	9012B

Report of Analysis

Client:		Date Collected:	5/31/2018 12:00:00 AM
Project:	LB95766	Date Received:	5/31/2018 12:00:00 AM
Client Sample ID:	CL-02-053118-B	SDG No.:	LB95766
Lab Sample ID:	J2676-33	Matrix:	Solid
Level (low/med):	low	% Solid:	87

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.084	J	1	0.036		0.28	mg/Kg	06/01/2018	06/01/2018	9012B

Report of Analysis

Client:		Date Collected:	5/31/2018 12:00:00 AM
Project:	LB95766	Date Received:	5/31/2018 12:00:00 AM
Client Sample ID:	CL-02-053118-C	SDG No.:	LB95766
Lab Sample ID:	J2676-35	Matrix:	Solid
Level (low/med):	low	% Solid:	88.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.043	J	1	0.036		0.27	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:	LB95766	Date Received:	5/31/2018 12:00:00 AM
Client Sample ID:	CL-02-053118-D	SDG No.:	LB95766
Lab Sample ID:	J2676-37	Matrix:	Solid
Level (low/med):	low	% Solid:	88.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.04	J	1	0.036		0.28	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:	LB95766	Date Received:	5/31/2018 12:00:00 AM
Client Sample ID:	OK-03-053118	SDG No.:	LB95766
Lab Sample ID:	J2677-07	Matrix:	Solid
Level (low/med):	low	% Solid:	91.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.12	J	1	0.035		0.27	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:	LB95766	Date Received:	5/31/2018 12:00:00 AM
Client Sample ID:	RS-RO-97-20	SDG No.:	LB95766
Lab Sample ID:	J3226-01	Matrix:	Solid
Level (low/med):	low	% Solid:	80.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.53		1	0.04		0.31	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:	LB95766	Date Received:	5/31/2018 12:00:00 AM
Client Sample ID:	RS-RB47199RT	SDG No.:	LB95766
Lab Sample ID:	J3226-04	Matrix:	Solid
Level (low/med):	low	% Solid:	91.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.058	J	1	0.034		0.26	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:	LB95766	Date Received:	5/31/2018 12:00:00 AM
Client Sample ID:	RO-37426-30-CHERI-LANE	SDG No.:	LB95766
Lab Sample ID:	J3227-01	Matrix:	Solid
Level (low/med):	low	% Solid:	65.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.59		1	0.047		0.35	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:	LB95766	Date Received:	5/31/2018 12:00:00 AM
Client Sample ID:	RO-37426-30-CHERI-LANE	SDG No.:	LB95766
Lab Sample ID:	J3227-01	Matrix:	Solid
Level (low/med):	low	% Solid:	65.3

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: LB95766

SDG No.: LB95766

Contract: _____ Lab Code: CHEM

Case No.: LB95766

SAS No.: LB95766

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	Cyanide	0.096	0.099	97		85 - 115		06/01/2018	13:25	LB95766



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB95766

SDG No.: LB95766

Contract: _____ Lab Code: CHEM

Case No.: LB95766

SAS No.: LB95766

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	Cyanide	0.25	0.25	100		90 - 110		06/01/2018	13:25	LB95766
CCV2	Cyanide	0.25	0.25	100		90 - 110		06/01/2018	13:33	LB95766
CCV3	Cyanide	0.24	0.25	96		90 - 110		06/01/2018	13:33	LB95766



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB95766 **SDG No.:** LB95766
Contract: **Lab Code:** CHEM **Case No.:** LB95766 **SAS No.:** LB95766

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Cyanide	-0.00023	+/-0.005	U		0.005		06/01/2018	13:25	LB95766



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB95766

SDG No.: LB95766

Contract:

Lab Code: CHEM

Case No.: LB95766

SAS No.: LB95766

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Cyanide	-0.00012	+/-0.005	U		0.005		06/01/2018	13:25	LB95766
CCB2	Cyanide	0	+/-0.005	U		0.005		06/01/2018	13:33	LB95766
CCB3	Cyanide	-0.00041	+/-0.005	U		0.005		06/01/2018	13:36	LB95766



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB95766

SDG No.: LB95766

Contract: Lab Code: CHEM

Case No.: LB95766

SAS No.: LB95766

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: LB95766

SDG No.: LB95766

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
PB109870BL		SOLID		Batch Number:		PB109870		Prep Date:	06/01/2018	
	Cyanide	-0.0075	<0.24	U		0.24		06/01/2018	13:25	LB95766



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB95766 level: low sdg no.: LB95766
contract: lab code: CHEM case no.: LB95766 sas no.: LB95766
matrix: Solid sample id: J2670-07 client id: TR-05-053118MS
Percent Solids for Sample: 85.9 Spiked ID: J2670-07MS Percent Solids for Spike Sample: 85.9

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	2		0.074	J	2.2	88		



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB95766 level: low sdg no.: LB95766
contract: lab code: CHEM case no.: LB95766 sas no.: LB95766
matrix: Solid sample id: J2670-07 client id: TR-05-053118MSD
Percent Solids for Sample: 85.9 Spiked ID: J2670-07MSD Percent Solids for Spike Sample: 85.9

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125		2	0.074	J	2.3	84		

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DUPLICATE SAMPLE SUMMARY

Client: LB95766 **Level:** LOW **SDG No.:** LB95766
Contract: _____ **Lab Code:** CHEM **Case No.:** LB95766 **SAS No.:** LB95766
Matrix: Solid **Sample ID:** J2670-07 **Client ID:** TR-05-053118DUP
Percent Solids for Sample: 85.9 **Duplicate ID** J2670-07DUP **Percent Solids for Spike Sample:** 85.9

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	0.074	J	0.12	J	47	*	

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DUPLICATE SAMPLE SUMMARY

Client: LB95766 **Level:** LOW **SDG No.:** LB95766
Contract: **Lab Code:** CHEM **Case No.:** LB95766 **SAS No.:** LB95766
Matrix: Solid **Sample ID:** J2670-07MS **Client ID:** TR-05-053118MSD
Percent Solids for Sample: 85.9 **Duplicate ID** J2670-07MSD **Percent Solids for Spike Sample:** 85.9

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	2		2		0		



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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB95766

SDG No.: LB95766

Contract:

Lab Code: CHEM

Case No.: LB95766

SAS No.: LB95766

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB109870BS Cyanide	mg/Kg	4.9	4.8		98	85 - 115	