

Daily Analysis Runlog For Sequence/QC Batch ID # LB93774

Review By

Review On

SubDirectory

LB93774

Test :

Cyanide

STD. NAME	STD REF.#
ICAL Standard	WP62544,WP62545,WP62546,WP62547,WP62548,WP62549,WP62550
ICV Standard	W1542
CCV Standard	WP62551
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP58910
Chk Standard	WP62553,WP59958,WP60878

Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	03/08/18 11:24		OK
2	5.0PPBCN	5.0PPBCN	CAL2	03/08/18 11:24		OK
3	10PPBCN	10PPBCN	CAL3	03/08/18 11:24		OK
4	50PPBCN	50PPBCN	CAL4	03/08/18 11:24		OK
5	100PPBCN	100PPBCN	CAL5	03/08/18 11:24		OK
6	250PPBCN	250PPBCN	CAL6	03/08/18 11:24		OK
7	500PPBCN	500PPBCN	CAL7	03/08/18 11:24		OK
8	ICV1	ICV1	ICV	03/08/18 15:47		OK
9	ICB1	ICB1	ICB	03/08/18 15:47		OK
10	CCV1	CCV1	CCV	03/08/18 15:47		OK
11	CCB1	CCB1	CCB	03/08/18 15:47		OK
12	PB107177BL	PB107177BL	MB	03/08/18 15:47		OK
13	PB107177BS	PB107177BS	LCS	03/08/18 15:47		OK
14	J1821-01	COMPOSITE-1-3-20	SAM	03/08/18 15:47		OK
15	J1821-02	COMPOSITE-4-5-20	SAM	03/08/18 15:54		OK
16	J1821-03	AMENDED-COMPOS	SAM	03/08/18 15:54		OK
17	J1821-04	AMENDED-COMPOS	SAM	03/08/18 15:54		OK
18	CCV2	CCV2	CCV	03/08/18 15:54		OK
19	CCB2	CCB2	CCB	03/08/18 15:54		OK
20	J1823-01	MHB-WCA	SAM	03/08/18 15:54		OK
21	J1823-03	MHB-WCB	SAM	03/08/18 15:54		OK

Daily Analysis Runlog For Sequence/QC Batch ID # LB93774

Review By		Review On				
SubDirectory		LB93774		Test : Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP62544,WP62545,WP62546,WP62547,WP62548,WP62549,WP62550				
ICV Standard		W1542				
CCV Standard		WP62551				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP58910				
Chk Standard		WP62553,WP59958,WP60878				
22	J1824-01	FK-BPM-01-E0-E0a-	SAM	03/08/18 15:54		OK
23	J1825-01	FK-BPM-01-C0-C0a-	SAM	03/08/18 15:54		OK
24	J1820-01	TP-1	SAM	03/08/18 16:15		OK
25	J1820-01DUP	TP-1DUP	DUP	03/08/18 16:15		OK
26	J1820-01MS	TP-1MS	MS	03/08/18 16:15		OK
27	J1820-01MSD	TP-1MSD	MSD	03/08/18 16:15		OK
28	CCV3	CCV3	CCV	03/08/18 16:16		OK
29	CCB3	CCB3	CCB	03/08/18 16:16		OK



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Report of Analysis

Client:		Date Collected:	3/6/2018 12:00:00 AM
Project:	LB93774	Date Received:	3/6/2018 12:00:00 AM
Client Sample ID:	TP-1	SDG No.:	LB93774
Lab Sample ID:	J1820-01	Matrix:	Solid
Level (low/med):	low	% Solid:	89.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.14	J	1	0.036		0.27	mg/Kg	03/08/2018	03/08/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/5/2018 12:00:00 AM
Project:	LB93774	Date Received:	3/6/2018 12:00:00 AM
Client Sample ID:	COMPOSITE-1-3-20180204	SDG No.:	LB93774
Lab Sample ID:	J1821-01	Matrix:	Solid
Level (low/med):	low	% Solid:	52.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.44	J	1	0.063		0.48	mg/Kg	03/08/2018	03/08/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/5/2018 12:00:00 AM
Project:	LB93774	Date Received:	3/6/2018 12:00:00 AM
Client Sample ID:	COMPOSITE-4-5-20180205	SDG No.:	LB93774
Lab Sample ID:	J1821-02	Matrix:	Solid
Level (low/med):	low	% Solid:	46.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.23	J	1	0.071		0.53	mg/Kg	03/08/2018	03/08/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/5/2018 12:00:00 AM
Project:	LB93774	Date Received:	3/6/2018 12:00:00 AM
Client Sample ID:	AMENDED-COMPOSITE-1-3-20180204	SDG No.:	LB93774
Lab Sample ID:	J1821-03	Matrix:	Solid
Level (low/med):	low	% Solid:	51.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.33	J	1	0.062		0.47	mg/Kg	03/08/2018	03/08/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/5/2018 12:00:00 AM
Project:	LB93774	Date Received:	3/6/2018 12:00:00 AM
Client Sample ID:	AMENDED-COMPOSITE-4-5-20180205	SDG No.:	LB93774
Lab Sample ID:	J1821-04	Matrix:	Solid
Level (low/med):	low	% Solid:	53.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.22	J	1	0.06		0.46	mg/Kg	03/08/2018	03/08/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/6/2018 12:00:00 AM
Project:	LB93774	Date Received:	3/6/2018 12:00:00 AM
Client Sample ID:	MHB-WCA	SDG No.:	LB93774
Lab Sample ID:	J1823-01	Matrix:	Solid
Level (low/med):	low	% Solid:	89.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.53		1	0.035		0.27	mg/Kg	03/08/2018	03/08/2018	9012B

Report of Analysis

Client:		Date Collected:	3/6/2018 12:00:00 AM
Project:	LB93774	Date Received:	3/6/2018 12:00:00 AM
Client Sample ID:	MHB-WCB	SDG No.:	LB93774
Lab Sample ID:	J1823-03	Matrix:	Solid
Level (low/med):	low	% Solid:	89.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.38		1	0.036		0.27	mg/Kg	03/08/2018	03/08/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/6/2018 12:00:00 AM
Project:	LB93774	Date Received:	3/6/2018 12:00:00 AM
Client Sample ID:	FK-BPM-01-E0-E0a-F0-F0a	SDG No.:	LB93774
Lab Sample ID:	J1824-01	Matrix:	Solid
Level (low/med):	low	% Solid:	88.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.13	J	1	0.037		0.28	mg/Kg	03/08/2018	03/08/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/6/2018 12:00:00 AM
Project:	LB93774	Date Received:	3/6/2018 12:00:00 AM
Client Sample ID:	FK-BPM-01-C0-C0a-D0-D0a	SDG No.:	LB93774
Lab Sample ID:	J1825-01	Matrix:	Solid
Level (low/med):	low	% Solid:	88.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.032	U	1	0.035		0.27	mg/Kg	03/08/2018	03/08/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/6/2018 12:00:00 AM
Project:	LB93774	Date Received:	3/6/2018 12:00:00 AM
Client Sample ID:	FK-BPM-01-C0-C0a-D0-D0a	SDG No.:	LB93774
Lab Sample ID:	J1825-01	Matrix:	Solid
Level (low/med):	low	% Solid:	88.6

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: LB93774

SDG No.: LB93774

Contract: _____

Lab Code: CHEM

Case No.: LB93774

SAS No.: LB93774

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	0.097	0.099	98		85 - 115		03/08/2018	15:47	LB93774



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB93774

SDG No.: LB93774

Contract: _____ Lab Code: CHEM

Case No.: LB93774

SAS No.: LB93774

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	0.24	0.25	96		90 - 110		03/08/2018	15:47	LB93774
CCV2	Cyanide	0.25	0.25	100		90 - 110		03/08/2018	15:54	LB93774
CCV3	Cyanide	0.25	0.25	100		90 - 110		03/08/2018	16:16	LB93774



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB93774

SDG No.: LB93774

Contract:

Lab Code: CHEM

Case No.: LB93774

SAS No.: LB93774

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Cyanide	0.00084	+/-0.005	U		0.005		03/08/2018	15:47	LB93774

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Cyanide	0.00079	+/-0.005	U		0.005		03/08/2018	15:47	LB93774
CCB2	Cyanide	0.0006	+/-0.005	U		0.005		03/08/2018	15:54	LB93774
CCB3	Cyanide	0.00067	+/-0.005	U		0.005		03/08/2018	16:16	LB93774



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB93774

SDG No.: LB93774

Contract: Lab Code: CHEM

Case No.: LB93774

SAS No.: LB93774

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: LB93774

SDG No.: LB93774

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
PB107177BL	Cyanide	SOLID 0.036	<0.24	Batch Number: J		PB107177 0.24		Prep Date: 03/08/2018	03/08/2018 15:47	LB93774



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB93774 level: low sdg no.: LB93774
contract: lab code: CHEM case no.: LB93774 sas no.: LB93774
matrix: Solid sample id: J1820-01 client id: TP-1MS
Percent Solids for Sample: 89.6 Spiked ID: J1820-01MS Percent Solids for Spike Sample: 89.6

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	1.4		0.14	J	2.2	57	*	



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB93774 level: low sdg no.: LB93774
contract: lab code: CHEM case no.: LB93774 sas no.: LB93774
matrix: Solid sample id: J1820-01 client id: TP-1MSD
Percent Solids for Sample: 89.6 Spiked ID: J1820-01MSD Percent Solids for Spike Sample: 89.6

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	1.4		0.14	J	2.2	57	*	

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DUPLICATE SAMPLE SUMMARY

Client: LB93774 **Level:** LOW **SDG No.:** LB93774
Contract: **Lab Code:** CHEM **Case No.:** LB93774 **SAS No.:** LB93774
Matrix: Solid **Sample ID:** J1820-01 **Client ID:** TP-1DUP
Percent Solids for Sample: 89.6 **Duplicate ID** J1820-01DUP **Percent Solids for Spike Sample:** 89.6

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	0.14	J	0.14	J	0		

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DUPLICATE SAMPLE SUMMARY

Client: LB93774 **Level:** LOW **SDG No.:** LB93774
Contract: **Lab Code:** CHEM **Case No.:** LB93774 **SAS No.:** LB93774
Matrix: Solid **Sample ID:** J1820-01MS **Client ID:** TP-1MSD
Percent Solids for Sample: 89.6 **Duplicate ID** J1820-01MSD **Percent Solids for Spike Sample:** 89.6

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	1.4		1.4		0		

