

Daily Analysis Runlog For Sequence/QC Batch ID # LB94310

Review By

Review On

SubDirectory

LB94310

Test :

Cyanide

STD. NAME		STD REF.#				
ICAL Standard		WP63245,WP63246,WP63247,WP63248,WP63249,WP63250,WP63251				
ICV Standard		W1542				
CCV Standard		WP63252				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP62802				
Chk Standard		WP63254,WP59958,WP60878				

Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	04/02/18 09:04		OK
2	5.0PPBCN	5.0PPBCN	CAL2	04/02/18 09:04		OK
3	10PPBCN	10PPBCN	CAL3	04/02/18 09:04		OK
4	50PPBCN	50PPBCN	CAL4	04/02/18 09:04		OK
5	100PPBCN	100PPBCN	CAL5	04/02/18 09:04		OK
6	250PPBCN	250PPBCN	CAL6	04/02/18 09:04		OK
7	500PPBCN	500PPBCN	CAL7	04/02/18 09:04		OK
8	ICV1	ICV1	ICV	04/02/18 14:22		OK
9	ICB1	ICB1	ICB	04/02/18 14:22		OK
10	CCV1	CCV1	CCV	04/02/18 14:22		OK
11	CCB1	CCB1	CCB	04/02/18 14:22		OK
12	PB107892BL	PB107892BL	MB	04/02/18 14:22		OK
13	PB107892BS	PB107892BS	LCS	04/02/18 14:22		OK
14	J1757-07	EO-03-033018-A	SAM	04/02/18 14:22		OK
15	J1757-07DUP	EO-03-033018-ADUP	DUP	04/02/18 14:22		OK
16	J1757-07MS	EO-03-033018-AMS	MS	04/02/18 14:22		OK
17	J1757-07MSD	EO-03-033018-AMSD	MSD	04/02/18 14:22		OK
18	J1757-09	EO-03-033018-B	SAM	04/02/18 14:22		OK
19	J1757-11	EO-03-033018-C	SAM	04/02/18 14:29		OK
20	J2148-01	SB-4C	SAM	04/02/18 14:29		OK
21	J2148-04	SB-2C	SAM	04/02/18 14:29		OK

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ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP62802				
Chk Standard		WP63254,WP59958,WP60878				
22	CCV2	CCV2	CCV	04/02/18 14:30		OK
23	CCB2	CCB2	CCB	04/02/18 14:30		OK
24	J2169-01	BROOK-BROOKLYN	SAM	04/02/18 14:30		OK
25	J2175-01	TP-3	SAM	04/02/18 14:30		OK
26	J2178-01	S6-TP	SAM	04/02/18 14:30		OK
27	CCV3	CCV3	CCV	04/02/18 14:30		OK
28	CCB3	CCB3	CCB	04/02/18 14:30		OK



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Report of Analysis

Client:		Date Collected:	3/30/2018 12:00:00 AM
Project:	LB94310	Date Received:	3/30/2018 12:00:00 AM
Client Sample ID:	EO-03-033018-A	SDG No.:	LB94310
Lab Sample ID:	J1757-07	Matrix:	Solid
Level (low/med):	low	% Solid:	89.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.11	J	1	0.036		0.28	mg/Kg	04/02/2018	04/02/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/30/2018 12:00:00 AM
Project:	LB94310	Date Received:	3/30/2018 12:00:00 AM
Client Sample ID:	EO-03-033018-B	SDG No.:	LB94310
Lab Sample ID:	J1757-09	Matrix:	Solid
Level (low/med):	low	% Solid:	89.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.066	J	1	0.037		0.28	mg/Kg	04/02/2018	04/02/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/30/2018 12:00:00 AM
Project:	LB94310	Date Received:	3/30/2018 12:00:00 AM
Client Sample ID:	EO-03-033018-C	SDG No.:	LB94310
Lab Sample ID:	J1757-11	Matrix:	Solid
Level (low/med):	low	% Solid:	87.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.086	J	1	0.037		0.28	mg/Kg	04/02/2018	04/02/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/28/2018 12:00:00 AM
Project:	LB94310	Date Received:	3/29/2018 12:00:00 AM
Client Sample ID:	SB-4C	SDG No.:	LB94310
Lab Sample ID:	J2148-01	Matrix:	Solid
Level (low/med):	low	% Solid:	86.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.073	J	1	0.037		0.28	mg/Kg	04/02/2018	04/02/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/28/2018 12:00:00 AM
Project:	LB94310	Date Received:	3/29/2018 12:00:00 AM
Client Sample ID:	SB-2C	SDG No.:	LB94310
Lab Sample ID:	J2148-04	Matrix:	Solid
Level (low/med):	low	% Solid:	87.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.076	J	1	0.036		0.28	mg/Kg	04/02/2018	04/02/2018	9012B

Report of Analysis

Client:		Date Collected:	3/28/2018 12:00:00 AM
Project:	LB94310	Date Received:	3/30/2018 12:00:00 AM
Client Sample ID:	BROOK-BROOKLYN	SDG No.:	LB94310
Lab Sample ID:	J2169-01	Matrix:	Solid
Level (low/med):	low	% Solid:	97.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.057	J	1	0.033		0.25	mg/Kg	04/02/2018	04/02/2018	9012B

Report of Analysis

Client:		Date Collected:	3/30/2018 12:00:00 AM
Project:	LB94310	Date Received:	3/30/2018 12:00:00 AM
Client Sample ID:	TP-3	SDG No.:	LB94310
Lab Sample ID:	J2175-01	Matrix:	Solid
Level (low/med):	low	% Solid:	82.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.4		1	0.039		0.3	mg/Kg	04/02/2018	04/02/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/30/2018 12:00:00 AM
Project:	LB94310	Date Received:	3/30/2018 12:00:00 AM
Client Sample ID:	S6-TP	SDG No.:	LB94310
Lab Sample ID:	J2178-01	Matrix:	Solid
Level (low/med):	low	% Solid:	90.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.33		1	0.036		0.27	mg/Kg	04/02/2018	04/02/2018	9012B



Report of Analysis

Client:		Date Collected:	3/30/2018 12:00:00 AM
Project:	LB94310	Date Received:	3/30/2018 12:00:00 AM
Client Sample ID:	S6-TP	SDG No.:	LB94310
Lab Sample ID:	J2178-01	Matrix:	Solid
Level (low/med):	low	% Solid:	90.7

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: LB94310

SDG No.: LB94310

Contract: _____

Lab Code: CHEM

Case No.: LB94310

SAS No.: LB94310

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	0.098	0.099	99		85 - 115		04/02/2018	14:22	LB94310



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB94310

SDG No.: LB94310

Contract: _____ Lab Code: CHEM

Case No.: LB94310

SAS No.: LB94310

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		04/02/2018	14:22	LB94310
CCV2	Cyanide	0.25	0.25	100		90 - 110		04/02/2018	14:30	LB94310
CCV3	Cyanide	0.25	0.25	100		90 - 110		04/02/2018	14:30	LB94310



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB94310 **SDG No.:** LB94310
Contract: **Lab Code:** CHEM **Case No.:** LB94310 **SAS No.:** LB94310

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Cyanide	0.0015	+/-0.005	U		0.005		04/02/2018	14:22	LB94310

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Cyanide	0.0013	+/-0.005	U		0.005		04/02/2018	14:22	LB94310
CCB2	Cyanide	0.0014	+/-0.005	U		0.005		04/02/2018	14:30	LB94310
CCB3	Cyanide	0.0013	+/-0.005	U		0.005		04/02/2018	14:30	LB94310



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB94310

SDG No.: LB94310

Contract:

Lab Code: CHEM

Case No.: LB94310

SAS No.: LB94310

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: LB94310

SDG No.: LB94310

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
PB107892BL		SOLID		Batch Number:		PB107892		Prep Date:	04/02/2018	
	Cyanide	0.054	<0.24	J		0.24		04/02/2018	14:22	LB94310



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB94310 level: low sdg no.: LB94310
contract: lab code: CHEM case no.: LB94310 sas no.: LB94310
matrix: Solid sample id: J1757-07 client id: EO-03-033018-AMS
Percent Solids for Sample: 89.1 Spiked ID: J1757-07MS Percent Solids for Spike Sample: 89.1

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	2.1		0.11	J	2.2	90		



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB94310 level: low sdg no.: LB94310
contract: lab code: CHEM case no.: LB94310 sas no.: LB94310
matrix: Solid sample id: J1757-07 client id: EO-03-033018-AMSD
Percent Solids for Sample: 89.1 Spiked ID: J1757-07MSD Percent Solids for Spike Sample: 89.1

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	2.1		0.11	J	2.2	90		

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DUPLICATE SAMPLE SUMMARY

Client: LB94310 **Level:** LOW **SDG No.:** LB94310
Contract: **Lab Code:** CHEM **Case No.:** LB94310 **SAS No.:** LB94310
Matrix: Solid **Sample ID:** J1757-07 **Client ID:** EO-03-033018-ADUP
Percent Solids for Sample: 89.1 **Duplicate ID** J1757-07DUP **Percent Solids for Spike Sample:** 89.1

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	0.11	J	0.094	J	16		

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DUPLICATE SAMPLE SUMMARY

Client: LB94310 **Level:** LOW **SDG No.:** LB94310
Contract: **Lab Code:** CHEM **Case No.:** LB94310 **SAS No.:** LB94310
Matrix: Solid **Sample ID:** J1757-07MS **Client ID:** EO-03-033018-AMSD
Percent Solids for Sample: 89.1 **Duplicate ID** J1757-07MSD **Percent Solids for Spike Sample:** 89.1

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	2.1		2.1		0		



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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB94310

SDG No.: LB94310

Contract:

Lab Code: CHEM

Case No.: LB94310

SAS No.: LB94310

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB107892BS Cyanide	mg/Kg	4.9	4.7		95.9	85 - 115	