

Daily Analysis Runlog For Sequence/QC Batch ID # LB94510

Review By		Review On				
SubDirectory		LB94510		Test : Reactive Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP63554,WP63555,WP63556,WP63557,WP63558,WP63559,WP63560				
ICV Standard		WP63562				
CCV Standard		WP63561				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP63563,WP59958,WP60878				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	04/10/18 13:11		OK
2	5.0PPBCN	5.0PPBCN	CAL2	04/10/18 13:11		OK
3	10PPBCN	10PPBCN	CAL3	04/10/18 13:11		OK
4	50PPBCN	50PPBCN	CAL4	04/10/18 13:11		OK
5	100PPBCN	100PPBCN	CAL5	04/10/18 13:11		OK
6	250PPBCN	250PPBCN	CAL6	04/10/18 13:11		OK
7	500PPBCN	500PPBCN	CAL7	04/10/18 13:11		OK
8	ICV1	ICV1	ICV	04/10/18 13:59		OK
9	ICB1	ICB1	ICB	04/10/18 13:59		OK
10	CCV1	CCV1	CCV	04/10/18 13:59		OK
11	CCB1	CCB1	CCB	04/10/18 13:59		OK
12	PB108127BL	PB108127BL	MB	04/10/18 13:59		OK
13	J2156-02	HD-01-040918	SAM	04/10/18 13:59		OK
14	J2156-02DUP	HD-01-040918DUP	DUP	04/10/18 13:59		OK
15	J2297-04	RO-1-3	SAM	04/10/18 13:59		OK
16	J2302-03	RT4235-RT3407	SAM	04/10/18 13:59		OK
17	J2303-03	M11	SAM	04/10/18 13:59		OK
18	J2304-12	SP-1	SAM	04/10/18 13:59		OK
19	CCV2	CCV2	CCV	04/10/18 14:02		OK
20	CCB2	CCB2	CCB	04/10/18 14:03		OK



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Report of Analysis

Client:		Date Collected:	4/9/2018 12:00:00 AM
Project:	LB94510	Date Received:	4/9/2018 12:00:00 AM
Client Sample ID:	HD-01-040918	SDG No.:	LB94510
Lab Sample ID:	J2156-02	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	-0.015	U	1	0.025		0.05	mg/Kg	04/10/2018	04/10/2018	9012B



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Report of Analysis

Client:		Date Collected:	4/9/2018 12:00:00 AM
Project:	LB94510	Date Received:	4/9/2018 12:00:00 AM
Client Sample ID:	RO-1-3	SDG No.:	LB94510
Lab Sample ID:	J2297-04	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	-0.018	U	1	0.025		0.05	mg/Kg	04/10/2018	04/10/2018	9012B



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Report of Analysis

Client:		Date Collected:	4/9/2018 12:00:00 AM
Project:	LB94510	Date Received:	4/9/2018 12:00:00 AM
Client Sample ID:	RT4235-RT3407	SDG No.:	LB94510
Lab Sample ID:	J2302-03	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	-0.015	U	1	0.025		0.05	mg/Kg	04/10/2018	04/10/2018	9012B



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Report of Analysis

Client:		Date Collected:	4/9/2018 12:00:00 AM
Project:	LB94510	Date Received:	4/9/2018 12:00:00 AM
Client Sample ID:	M11	SDG No.:	LB94510
Lab Sample ID:	J2303-03	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	-0.02	U	1	0.025		0.05	mg/Kg	04/10/2018	04/10/2018	9012B



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Report of Analysis

Client:		Date Collected:	4/9/2018 12:00:00 AM
Project:	LB94510	Date Received:	4/9/2018 12:00:00 AM
Client Sample ID:	SP-1	SDG No.:	LB94510
Lab Sample ID:	J2304-12	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	-0.015	U	1	0.025		0.05	mg/Kg	04/10/2018	04/10/2018	9012B



Report of Analysis

Client:		Date Collected:	4/9/2018 12:00:00 AM
Project:	LB94510	Date Received:	4/9/2018 12:00:00 AM
Client Sample ID:	SP-1	SDG No.:	LB94510
Lab Sample ID:	J2304-12	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
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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: LB94510

SDG No.: LB94510

Contract: _____ Lab Code: CHEM

Case No.: LB94510

SAS No.: LB94510

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		04/10/2018	13:59	lb94510
CCV2	Reactive Cyanide	0.25	0.25	100		90 - 110		04/10/2018	14:02	lb94510



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB94510 **SDG No.:** LB94510
Contract: **Lab Code:** CHEM **Case No.:** LB94510 **SAS No.:** LB94510

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Reactive Cyanide	-0.0021	+/-0.005	U		0.005		04/10/2018	13:59	lb94510



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB94510

SDG No.: LB94510

Contract:

Lab Code: CHEM

Case No.: LB94510

SAS No.: LB94510

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Reactive Cyanide	-0.0017	+/-0.005	U		0.005		04/10/2018	13:59	1b94510
CCB2	Reactive Cyanide	-0.0022	+/-0.005	U		0.005		04/10/2018	14:03	1b94510



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB94510

SDG No.: LB94510

Contract: Lab Code: CHEM

Case No.: LB94510

SAS No.: LB94510

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: LB94510

SDG No.: LB94510

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
PB108127BL		SOLID		Batch Number:		PB108127		Prep Date:	04/10/2018	
	Reactive Cyanide	-0.017	<0.05	U		0.05		04/10/2018	13:59	lb94510



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client:

level:

low

sdg no.:

contract:

lab code:

case no.:

sas no.:

matrix:

sample id:

client id:

Percent Solids for Sample:

Spiked ID:

Percent Solids for Spike Sample:

Analyte	Units	Acceptance Limit %R	C	Sample Result	C	Spike Added	% Recovery	Qual	M
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DUPLICATE SAMPLE SUMMARY

Client: LB94510 **Level:** LOW **SDG No.:** LB94510
Contract: **Lab Code:** CHEM **Case No.:** LB94510 **SAS No.:** LB94510
Matrix: Solid **Sample ID:** J2156-02 **Client ID:** HD-01-040918DUP
Percent Solids for Sample: 100 **Duplicate ID** J2156-02DUP **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	-0.022	U			



GENCHEM

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Client: LB94510

SDG No.: LB94510

Contract:

Lab Code: CHEM

Case No.: LB94510

SAS No.: LB94510

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
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