

Daily Analysis Runlog For Sequence/QC Batch ID # LB94515

Review By

Review On

SubDirectory

LB94515

Test :

Cyanide

STD. NAME		STD REF.#				
ICAL Standard		WP63554,WP63555,WP63556,WP63557,WP63558,WP63559,WP63560				
ICV Standard		W1542				
CCV Standard		WP63561				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP62802				
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 14:34		OK
9	ICB1	ICB1	ICB	04/10/18 14:34		OK
10	CCV1	CCV1	CCV	04/10/18 14:34		OK
11	CCB1	CCB1	CCB	04/10/18 14:34		OK
12	PB108133BL	PB108133BL	MB	04/10/18 14:34		OK
13	PB108133BS	PB108133BS	LCS	04/10/18 14:34		OK
14	LOWPB108133	LOWPB108133	SAM	04/10/18 14:34		OK
15	HIGHPB108133	HIGHPB108133	SAM	04/10/18 14:34		OK
16	J2156-01	HD-01-040918	SAM	04/10/18 14:34		OK
17	J2156-01DUP	HD-01-040918DUP	DUP	04/10/18 14:34		OK
18	J2156-01MS	HD-01-040918MS	MS	04/10/18 14:34		OK
19	J2156-01MSD	HD-01-040918MSD	MSD	04/10/18 14:41		OK
20	J2297-01	RO-1-3	SAM	04/10/18 14:41		OK
21	J2302-01	RT4235-RT3407	SAM	04/10/18 14:41		OK

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SubDirectory		Test : Cyanide				
LB94515						
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ICV Standard		W1542				
CCV Standard		WP63561				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP62802				
Chk Standard		WP63563,WP59958,WP60878				
22	CCV2	CCV2	CCV	04/10/18 14:42		OK
23	CCB2	CCB2	CCB	04/10/18 14:42		OK
24	J2303-01	M11	SAM	04/10/18 14:42		OK
25	J2304-01	SP-1	SAM	04/10/18 14:42		OK
26	CCV3	CCV3	CCV	04/10/18 14:42		OK
27	CCB3	CCB3	CCB	04/10/18 14:42		OK



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Report of Analysis

Client:		Date Collected:	
Project:	LB94515	Date Received:	
Client Sample ID:	HIGHPB108133	SDG No.:	LB94515
Lab Sample ID:	HIGHPB108133	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.49		1	0.003		0.005	mg/L		04/10/2018	9012B



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Report of Analysis

Client:		Date Collected:	4/9/2018 12:00:00 AM
Project:	LB94515	Date Received:	4/9/2018 12:00:00 AM
Client Sample ID:	HD-01-040918	SDG No.:	LB94515
Lab Sample ID:	J2156-01	Matrix:	Solid
Level (low/med):	low	% Solid:	80.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.23	J	1	0.04		0.3	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:	LB94515	Date Received:	4/9/2018 12:00:00 AM
Client Sample ID:	RO-1-3	SDG No.:	LB94515
Lab Sample ID:	J2297-01	Matrix:	Solid
Level (low/med):	low	% Solid:	81.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	-0.076	U	1	0.039		0.3	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:	LB94515	Date Received:	4/9/2018 12:00:00 AM
Client Sample ID:	RT4235-RT3407	SDG No.:	LB94515
Lab Sample ID:	J2302-01	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	0.033	U	1	0.035		0.26	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:	LB94515	Date Received:	4/9/2018 12:00:00 AM
Client Sample ID:	M11	SDG No.:	LB94515
Lab Sample ID:	J2303-01	Matrix:	Solid
Level (low/med):	low	% Solid:	90.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	-0.052	U	1	0.034		0.26	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:	LB94515	Date Received:	4/9/2018 12:00:00 AM
Client Sample ID:	SP-1	SDG No.:	LB94515
Lab Sample ID:	J2304-01	Matrix:	Solid
Level (low/med):	low	% Solid:	94.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	-0.023	U	1	0.033		0.25	mg/Kg	04/10/2018	04/10/2018	9012B



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Report of Analysis

Client:		Date Collected:	
Project:	LB94515	Date Received:	
Client Sample ID:	LOWPB108133	SDG No.:	LB94515
Lab Sample ID:	LOWPB108133	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.0081		1	0.003		0.005	mg/L		04/10/2018	9012B



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Report of Analysis

Client:		Date Collected:	
Project:	LB94515	Date Received:	
Client Sample ID:	LOWPB108133	SDG No.:	LB94515
Lab Sample ID:	LOWPB108133	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: LB94515

SDG No.: LB94515

Contract: _____ Lab Code: CHEM

Case No.: LB94515

SAS No.: LB94515

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	0.094	0.099	94.9		85 - 115		04/10/2018	14:34	lb94515



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB94515

SDG No.: LB94515

Contract: _____ Lab Code: CHEM

Case No.: LB94515

SAS No.: LB94515

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		04/10/2018	14:34	lb94515
CCV2	Cyanide	0.24	0.25	96		90 - 110		04/10/2018	14:42	lb94515
CCV3	Cyanide	0.24	0.25	96		90 - 110		04/10/2018	14:42	lb94515



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB94515

SDG No.: LB94515

Contract:

Lab Code: CHEM

Case No.: LB94515

SAS No.: LB94515

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Cyanide	-0.0016	+/-0.005	U		0.005		04/10/2018	14:34	lb94515

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Cyanide	-0.0016	+/-0.005	U		0.005		04/10/2018	14:34	1b94515
CCB2	Cyanide	-0.0016	+/-0.005	U		0.005		04/10/2018	14:42	1b94515
CCB3	Cyanide	-0.0015	+/-0.005	U		0.005		04/10/2018	14:42	1b94515



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- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB94515

SDG No.: LB94515

Contract: Lab Code: CHEM

Case No.: LB94515

SAS No.: LB94515

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: LB94515

SDG No.: LB94515

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
PB108133BL		SOLID		Batch Number:		PB108133		Prep Date:	04/10/2018	
	Cyanide	-0.093	<0.25	U		0.25		04/10/2018	14:34	lb94515



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB94515 level: low sdg no.: LB94515
contract: lab code: CHEM case no.: LB94515 sas no.: LB94515
matrix: Solid sample id: J2156-01 client id: HD-01-040918MS
Percent Solids for Sample: 80.6 Spiked ID: J2156-01MS Percent Solids for Spike Sample: 80.6

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	2		0.23	J	2.4	74	*	



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB94515 level: low sdg no.: LB94515
contract: lab code: CHEM case no.: LB94515 sas no.: LB94515
matrix: Solid sample id: J2156-01 client id: HD-01-040918MSD
Percent Solids for Sample: 80.6 Spiked ID: J2156-01MSD Percent Solids for Spike Sample: 80.6

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	1.9		0.23	J	2.4	70	*	

GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB94515 **Level:** LOW **SDG No.:** LB94515
Contract: **Lab Code:** CHEM **Case No.:** LB94515 **SAS No.:** LB94515
Matrix: Solid **Sample ID:** J2156-01 **Client ID:** HD-01-040918DUP
Percent Solids for Sample: 80.6 **Duplicate ID** J2156-01DUP **Percent Solids for Spike Sample:** 80.6

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	0.23	J	0.22	J	4		

GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB94515 **Level:** LOW **SDG No.:** LB94515
Contract: **Lab Code:** CHEM **Case No.:** LB94515 **SAS No.:** LB94515
Matrix: Solid **Sample ID:** J2156-01MS **Client ID:** HD-01-040918MSD
Percent Solids for Sample: 80.6 **Duplicate ID** J2156-01MSD **Percent Solids for Spike Sample:** 80.6

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	2		1.9		5		



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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB94515

SDG No.: LB94515

Contract:

Lab Code: CHEM

Case No.: LB94515

SAS No.: LB94515

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB108133BS Cyanide	mg/Kg	4.9	4.7		95.9	85 - 115	