

Daily Analysis Runlog For Sequence/QC Batch ID # LB94854

Review By		Review On				
SubDirectory		LB94854		Test : Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP63916,WP63917,WP63918,WP63919,WP63920,WP63921,WP63922				
ICV Standard		W1542				
CCV Standard		WP63923				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP62802				
Chk Standard		WP63925,WP59958,WP60878				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	04/24/18 08:36		OK
2	5.0PPBCN	5.0PPBCN	CAL2	04/24/18 08:36		OK
3	10PPBCN	10PPBCN	CAL3	04/24/18 08:36		OK
4	50PPBCN	50PPBCN	CAL4	04/24/18 08:36		OK
5	100PPBCN	100PPBCN	CAL5	04/24/18 08:36		OK
6	250PPBCN	250PPBCN	CAL6	04/24/18 08:36		OK
7	500PPBCN	500PPBCN	CAL7	04/24/18 08:36		OK
8	ICV1	ICV1	ICV	04/24/18 15:34		OK
9	ICB1	ICB1	ICB	04/24/18 15:34		OK
10	CCV1	CCV1	CCV	04/24/18 15:34		OK
11	CCB1	CCB1	CCB	04/24/18 15:34		OK
12	PB108553BL	PB108553BL	MB	04/24/18 15:34		OK
13	PB108553BS	PB108553BS	LCS	04/24/18 15:34		OK
14	J2151-07	AU-05-042318-A	SAM	04/24/18 15:34		OK
15	J2151-07DUP	AU-05-042318-ADUP	DUP	04/24/18 15:34		OK
16	J2151-07MS	AU-05-042318-AMS	MS	04/24/18 15:35		OK
17	J2151-07MSD	AU-05-042318-AMSD	MSD	04/24/18 15:35		OK
18	J2151-09	AU-05-042318-B	SAM	04/24/18 15:35		OK
19	J2151-11	AU-05-042318-C	SAM	04/24/18 15:42		OK
20	J2151-13	AU-05-042318-D	SAM	04/24/18 15:42		OK
21	J2508-01	TP-1	SAM	04/24/18 15:42		OK

Daily Analysis Runlog For Sequence/QC Batch ID # LB94854

Review By		Review On				
SubDirectory		LB94854		Test : Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP63916,WP63917,WP63918,WP63919,WP63920,WP63921,WP63922				
ICV Standard		W1542				
CCV Standard		WP63923				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP62802				
Chk Standard		WP63925,WP59958,WP60878				
22	CCV2	CCV2	CCV	04/24/18 15:42		OK
23	CCB2	CCB2	CCB	04/24/18 15:42		OK
24	J2508-05	TP-2	SAM	04/24/18 15:42		OK
25	J2508-09	TP-3	SAM	04/24/18 15:42		OK
26	J2508-13	TP-4	SAM	04/24/18 15:42		OK
27	J2508-17	TP-5	SAM	04/24/18 15:42		OK
28	J2508-21	TP-6	SAM	04/24/18 15:42		OK
29	PB108554BL	PB108554BL	MB	04/24/18 15:42		OK
30	PB108554BS	PB108554BS	LCS	04/24/18 15:49		OK
31	J2504-01	KS-RO-238	SAM	04/24/18 15:50		OK
32	J2504-01DUP	KS-RO-238DUP	DUP	04/24/18 15:50		OK
33	J2504-01MS	KS-RO-238MS	MS	04/24/18 15:50		OK
34	CCV3	CCV3	CCV	04/24/18 15:50		OK
35	CCB3	CCB3	CCB	04/24/18 15:50		OK
36	J2504-01MSD	KS-RO-238MSD	MSD	04/24/18 15:50		OK
37	J2505-02	S-1-COMP	SAM	04/24/18 15:50		OK
38	J2505-04	S-2-COMP	SAM	04/24/18 15:50		OK
39	J2505-06	S-3-COMP	SAM	04/24/18 15:50		OK
40	J2509-01	WS-DRUM	SAM	04/24/18 15:50		OK
41	J2511-01	FK-GF-02-017-A	SAM	04/24/18 15:54		OK
42	J2511-03	FK-GF-02-017-B	SAM	04/24/18 15:54		OK
43	CCV4	CCV4	CCV	04/24/18 15:54		OK



Instrument ID : KONELAB

284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Daily Analysis Runlog For Sequence/QC Batch ID # LB94854

Review By		Review On				
SubDirectory		Test : Cyanide				
LB94854						
STD. NAME		STD REF.#				
ICAL Standard		WP63916,WP63917,WP63918,WP63919,WP63920,WP63921,WP63922				
ICV Standard		W1542				
CCV Standard		WP63923				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP62802				
Chk Standard		WP63925,WP59958,WP60878				
44	CCB4	CCB4	CCB	04/24/18 15:54		OK



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:		Date Collected:	4/23/2018 12:00:00 AM
Project:	LB94854	Date Received:	4/23/2018 12:00:00 AM
Client Sample ID:	AU-05-042318-A	SDG No.:	LB94854
Lab Sample ID:	J2151-07	Matrix:	Solid
Level (low/med):	low	% Solid:	90

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.13	J	1	0.036		0.27	mg/Kg	04/24/2018	04/24/2018	9012B



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:		Date Collected:	4/23/2018 12:00:00 AM
Project:	LB94854	Date Received:	4/23/2018 12:00:00 AM
Client Sample ID:	AU-05-042318-B	SDG No.:	LB94854
Lab Sample ID:	J2151-09	Matrix:	Solid
Level (low/med):	low	% Solid:	91.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.036	J	1	0.036		0.27	mg/Kg	04/24/2018	04/24/2018	9012B



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:		Date Collected:	4/23/2018 12:00:00 AM
Project:	LB94854	Date Received:	4/23/2018 12:00:00 AM
Client Sample ID:	AU-05-042318-C	SDG No.:	LB94854
Lab Sample ID:	J2151-11	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	0.043	J	1	0.036		0.28	mg/Kg	04/24/2018	04/24/2018	9012B



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:		Date Collected:	4/23/2018 12:00:00 AM
Project:	LB94854	Date Received:	4/23/2018 12:00:00 AM
Client Sample ID:	AU-05-042318-D	SDG No.:	LB94854
Lab Sample ID:	J2151-13	Matrix:	Solid
Level (low/med):	low	% Solid:	90.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.057	J	1	0.035		0.26	mg/Kg	04/24/2018	04/24/2018	9012B



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:		Date Collected:	4/23/2018 12:00:00 AM
Project:	LB94854	Date Received:	4/23/2018 12:00:00 AM
Client Sample ID:	KS-RO-238	SDG No.:	LB94854
Lab Sample ID:	J2504-01	Matrix:	Solid
Level (low/med):	low	% Solid:	90

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	-0.011	U	1	0.036		0.27	mg/Kg	04/24/2018	04/24/2018	9012B



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:		Date Collected:	4/23/2018 12:00:00 AM
Project:	LB94854	Date Received:	4/23/2018 12:00:00 AM
Client Sample ID:	S-1-COMP	SDG No.:	LB94854
Lab Sample ID:	J2505-02	Matrix:	Solid
Level (low/med):	low	% Solid:	89.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.047	J	1	0.037		0.28	mg/Kg	04/24/2018	04/24/2018	9012B



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:		Date Collected:	4/23/2018 12:00:00 AM
Project:	LB94854	Date Received:	4/23/2018 12:00:00 AM
Client Sample ID:	S-2-COMP	SDG No.:	LB94854
Lab Sample ID:	J2505-04	Matrix:	Solid
Level (low/med):	low	% Solid:	85.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.21	J	1	0.038		0.29	mg/Kg	04/24/2018	04/24/2018	9012B



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:		Date Collected:	4/23/2018 12:00:00 AM
Project:	LB94854	Date Received:	4/23/2018 12:00:00 AM
Client Sample ID:	S-3-COMP	SDG No.:	LB94854
Lab Sample ID:	J2505-06	Matrix:	Solid
Level (low/med):	low	% Solid:	86.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.088	J	1	0.037		0.28	mg/Kg	04/24/2018	04/24/2018	9012B



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:		Date Collected:	4/23/2018 12:00:00 AM
Project:	LB94854	Date Received:	4/23/2018 12:00:00 AM
Client Sample ID:	TP-1	SDG No.:	LB94854
Lab Sample ID:	J2508-01	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	0.21	J	1	0.037		0.28	mg/Kg	04/24/2018	04/24/2018	9012B



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:		Date Collected:	4/23/2018 12:00:00 AM
Project:	LB94854	Date Received:	4/23/2018 12:00:00 AM
Client Sample ID:	TP-2	SDG No.:	LB94854
Lab Sample ID:	J2508-05	Matrix:	Solid
Level (low/med):	low	% Solid:	86.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.22	J	1	0.037		0.28	mg/Kg	04/24/2018	04/24/2018	9012B



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:		Date Collected:	4/23/2018 12:00:00 AM
Project:	LB94854	Date Received:	4/23/2018 12:00:00 AM
Client Sample ID:	TP-3	SDG No.:	LB94854
Lab Sample ID:	J2508-09	Matrix:	Solid
Level (low/med):	low	% Solid:	86.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.2	J	1	0.037		0.28	mg/Kg	04/24/2018	04/24/2018	9012B



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:		Date Collected:	4/23/2018 12:00:00 AM
Project:	LB94854	Date Received:	4/23/2018 12:00:00 AM
Client Sample ID:	TP-4	SDG No.:	LB94854
Lab Sample ID:	J2508-13	Matrix:	Solid
Level (low/med):	low	% Solid:	86.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.34		1	0.038		0.29	mg/Kg	04/24/2018	04/24/2018	9012B



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:		Date Collected:	4/23/2018 12:00:00 AM
Project:	LB94854	Date Received:	4/23/2018 12:00:00 AM
Client Sample ID:	TP-5	SDG No.:	LB94854
Lab Sample ID:	J2508-17	Matrix:	Solid
Level (low/med):	low	% Solid:	87.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.24	J	1	0.036		0.27	mg/Kg	04/24/2018	04/24/2018	9012B



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:		Date Collected:	4/23/2018 12:00:00 AM
Project:	LB94854	Date Received:	4/23/2018 12:00:00 AM
Client Sample ID:	TP-6	SDG No.:	LB94854
Lab Sample ID:	J2508-21	Matrix:	Solid
Level (low/med):	low	% Solid:	86.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.26	J	1	0.037		0.28	mg/Kg	04/24/2018	04/24/2018	9012B



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:		Date Collected:	4/23/2018 12:00:00 AM
Project:	LB94854	Date Received:	4/23/2018 12:00:00 AM
Client Sample ID:	WS-DRUM	SDG No.:	LB94854
Lab Sample ID:	J2509-01	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	-0.021	U	1	0.035		0.27	mg/Kg	04/24/2018	04/24/2018	9012B



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:		Date Collected:	4/23/2018 12:00:00 AM
Project:	LB94854	Date Received:	4/23/2018 12:00:00 AM
Client Sample ID:	FK-GF-02-017-A	SDG No.:	LB94854
Lab Sample ID:	J2511-01	Matrix:	Solid
Level (low/med):	low	% Solid:	91.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.017	U	1	0.035		0.26	mg/Kg	04/24/2018	04/24/2018	9012B



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:		Date Collected:	4/23/2018 12:00:00 AM
Project:	LB94854	Date Received:	4/23/2018 12:00:00 AM
Client Sample ID:	FK-GF-02-017-B	SDG No.:	LB94854
Lab Sample ID:	J2511-03	Matrix:	Solid
Level (low/med):	low	% Solid:	92.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.051	J	1	0.035		0.27	mg/Kg	04/24/2018	04/24/2018	9012B



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:		Date Collected:	4/23/2018 12:00:00 AM
Project:	LB94854	Date Received:	4/23/2018 12:00:00 AM
Client Sample ID:	FK-GF-02-017-B	SDG No.:	LB94854
Lab Sample ID:	J2511-03	Matrix:	Solid
Level (low/med):	low	% Solid:	92.2

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

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: LB94854

SDG No.: LB94854

Contract: _____ Lab Code: CHEM

Case No.: LB94854

SAS No.: LB94854

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		04/24/2018	15:34	LB94854
CCV2	Cyanide	0.25	0.25	100		90 - 110		04/24/2018	15:42	LB94854
CCV3	Cyanide	0.25	0.25	100		90 - 110		04/24/2018	15:50	LB94854
CCV4	Cyanide	0.26	0.25	104		90 - 110		04/24/2018	15:54	LB94854



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB94854

SDG No.: LB94854

Contract:

Lab Code: CHEM

Case No.: LB94854

SAS No.: LB94854

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Cyanide	-0.00033	+/-0.005	U		0.005		04/24/2018	15:34	LB94854

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Cyanide	-0.00025	+/-0.005	U		0.005		04/24/2018	15:34	LB94854
CCB2	Cyanide	-0.00069	+/-0.005	U		0.005		04/24/2018	15:42	LB94854
CCB3	Cyanide	-0.00014	+/-0.005	U		0.005		04/24/2018	15:50	LB94854
CCB4	Cyanide	0.00028	+/-0.005	U		0.005		04/24/2018	15:54	LB94854



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB94854

SDG No.: LB94854

Contract: Lab Code: CHEM

Case No.: LB94854

SAS No.: LB94854

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
-----------	---------	----------------	---------------------	--------------	-----	------	---	------------------	------------------	---------------



GENCHEM
- 3b -
PREPARATION BLANK SUMMARY

Client: LB94854

SDG No.: LB94854

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
PB108553BL	Cyanide	SOLID		Batch Number:		PB108553		Prep Date:	04/24/2018	
		0.0019	<0.24	U		0.24		04/24/2018	15:34	LB94854
Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	LOD mg/Kg	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB108554BL	Cyanide	SOLID		Batch Number:		PB108554		Prep Date:	04/24/2018	
		-0.016	<0.24	U		0.24		04/24/2018	15:42	LB94854



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB94854 level: low sdg no.: LB94854
contract: lab code: CHEM case no.: LB94854 sas no.: LB94854
matrix: Solid sample id: J2151-07 client id: AU-05-042318-AMS
Percent Solids for Sample: 90 Spiked ID: J2151-07MS Percent Solids for Spike Sample: 90

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	1.8		0.13	J	2.2	76		



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB94854 level: low sdg no.: LB94854
contract: lab code: CHEM case no.: LB94854 sas no.: LB94854
matrix: Solid sample id: J2151-07 client id: AU-05-042318-AMSD
Percent Solids for Sample: 90 Spiked ID: J2151-07MSD Percent Solids for Spike Sample: 90

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	1.9		0.13	J	2.2	80		



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB94854 level: low sdg no.: LB94854
contract: lab code: CHEM case no.: LB94854 sas no.: LB94854
matrix: Solid sample id: J2504-01 client id: KS-RO-238MS
Percent Solids for Sample: 90 Spiked ID: J2504-01MS Percent Solids for Spike Sample: 90

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	2		0.036	U	2.2	90.9		



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB94854 level: low sdg no.: LB94854
contract: lab code: CHEM case no.: LB94854 sas no.: LB94854
matrix: Solid sample id: J2504-01 client id: KS-RO-238MSD
Percent Solids for Sample: 90 Spiked ID: J2504-01MSD Percent Solids for Spike Sample: 90

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125		2	0.036	U	2.2	90.9		

GENCHEM

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB94854 **Level:** LOW **SDG No.:** LB94854
Contract: **Lab Code:** CHEM **Case No.:** LB94854 **SAS No.:** LB94854
Matrix: Solid **Sample ID:** J2151-07 **Client ID:** AU-05-042318-ADUP
Percent Solids for Sample: 90 **Duplicate ID** J2151-07DUP **Percent Solids for Spike Sample:** 90

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	0.13	J	0.11	J	17		

GENCHEM

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB94854 **Level:** LOW **SDG No.:** LB94854
Contract: **Lab Code:** CHEM **Case No.:** LB94854 **SAS No.:** LB94854
Matrix: Solid **Sample ID:** J2151-07MS **Client ID:** AU-05-042318-AMSD
Percent Solids for Sample: 90 **Duplicate ID** J2151-07MSD **Percent Solids for Spike Sample:** 90

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	1.8		1.9		5		

GENCHEM

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB94854 **Level:** LOW **SDG No.:** LB94854
Contract: **Lab Code:** CHEM **Case No.:** LB94854 **SAS No.:** LB94854
Matrix: Solid **Sample ID:** J2504-01 **Client ID:** KS-RO-238DUP
Percent Solids for Sample: 90 **Duplicate ID** J2504-01DUP **Percent Solids for Spike Sample:** 90

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	0.036	U	-0.018	U			

GENCHEM

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB94854 **Level:** LOW **SDG No.:** LB94854
Contract: **Lab Code:** CHEM **Case No.:** LB94854 **SAS No.:** LB94854
Matrix: Solid **Sample ID:** J2504-01MS **Client ID:** KS-RO-238MSD
Percent Solids for Sample: 90 **Duplicate ID** J2504-01MSD **Percent Solids for Spike Sample:** 90

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



GENCHEM

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: LB94854 SDG No.: LB94854
Contract: Lab Code: CHEM Case No.: LB94854 SAS No.: LB94854

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB108553BS Cyanide	mg/Kg	4.9	4.7		95.9	85 - 115	



GENCHEM

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: LB94854

SDG No.: LB94854

Contract:

Lab Code: CHEM

Case No.: LB94854

SAS No.: LB94854

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB108554BS Cyanide	mg/Kg	4.9	4.8		98	85 - 115	