

Daily Analysis Runlog For Sequence/QC Batch ID # LB94941

Review By		Review On				
SubDirectory		LB94941		Test : Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP63991,WP63992,WP63993,WP63994WP63995,WP63996,WP63997,wp64013				
ICV Standard		W1542				
CCV Standard		WP63998				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP62802				
Chk Standard		WP59958,WP60878,WP63999				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	04/26/18 11:27		OK
2	5.0PPBCN	5.0PPBCN	CAL2	04/26/18 11:27		OK
3	10PPBCN	10PPBCN	CAL3	04/26/18 11:27		OK
4	50PPBCN	50PPBCN	CAL4	04/26/18 11:27		OK
5	100PPBCN	100PPBCN	CAL5	04/26/18 11:27		OK
6	250PPBCN	250PPBCN	CAL6	04/26/18 11:27		OK
7	500PPBCN	500PPBCN	CAL7	04/26/18 11:27		OK
8	ICV1	ICV1	ICV	04/26/18 13:44		OK
9	ICB1	ICB1	ICB	04/26/18 13:44		OK
10	CCV1	CCV1	CCV	04/26/18 13:44		OK
11	CCB1	CCB1	CCB	04/26/18 13:44		OK
12	PB108632BL	PB108632BL	MB	04/26/18 13:44		OK
13	PB108632BS	PB108632BS	LCS	04/26/18 13:44		OK
14	LOWPB108632	LOWPB108632	SAM	04/26/18 13:44		OK
15	HIGHPB108632	HIGHPB108632	SAM	04/26/18 13:44		OK
16	J2156-05	HD-05-042518-A	SAM	04/26/18 13:52		OK
17	J2156-07	HD-05-042518-B	SAM	04/26/18 13:52		OK
18	J2154-01	JC-01-042518	SAM	04/26/18 14:29		OK
19	J2154-01DUP	JC-01-042518DUP	DUP	04/26/18 14:29		OK
20	J2154-01MS	JC-01-042518MS	MS	04/26/18 14:29		OK
21	J2154-01MSD	JC-01-042518MSD	MSD	04/26/18 14:36		OK

Daily Analysis Runlog For Sequence/QC Batch ID # LB94941

Review By		Review On				
SubDirectory		LB94941		Test : Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP63991,WP63992,WP63993,WP63994WP63995,WP63996,WP63997,wp64013				
ICV Standard		W1542				
CCV Standard		WP63998				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP62802				
Chk Standard		WP59958,WP60878,WP63999				
22	CCV2	CCV2	CCV	04/26/18 14:36		OK
23	CCB2	CCB2	CCB	04/26/18 14:36		OK
24	J2156-09	HD-05-042518-C	SAM	04/26/18 14:36		OK
25	J2161-07	OR-01-042518-A	SAM	04/26/18 14:36		OK
26	J2161-09	OR-01-042518-B	SAM	04/26/18 14:36		OK
27	J2564-01	LS-UB-27176	SAM	04/26/18 14:36		OK
28	J2566-01	FRONT	SAM	04/26/18 14:36		OK
29	J2566-02	BACK	SAM	04/26/18 14:44		OK
30	PB108640BL	PB108640BL	MB	04/26/18 14:44		OK
31	PB108640BS	PB108640BS	LCS	04/26/18 14:44		OK
32	J2549-01	SP-A	SAM	04/26/18 14:44		OK
33	CCV3	CCV3	CCV	04/26/18 14:44		OK
34	CCB3	CCB3	CCB	04/26/18 14:44		OK
35	J2549-01DUP	SP-ADUP	DUP	04/26/18 14:44		OK
36	J2549-01MS	SP-AMS	MS	04/26/18 14:44		OK
37	J2549-01MSD	SP-AMSD	MSD	04/26/18 14:44		OK
38	J2549-05	SP-B	SAM	04/26/18 14:44		OK
39	J2549-09	SP-C	SAM	04/26/18 14:44		OK
40	J2549-13	SP-D	SAM	04/26/18 14:50		OK
41	J2579-01	FK-PS-01-023	SAM	04/26/18 14:50		OK
42	J2582-01	FK-PS-01-022	SAM	04/26/18 14:50		OK
43	J2585-01	FK-PS-01.022	SAM	04/26/18 14:50		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 # LB94941

Review By		Review On				
SubDirectory		LB94941		Test : Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP63991,WP63992,WP63993,WP63994WP63995,WP63996,WP63997,wp64013				
ICV Standard						
CCV Standard						
ICSA Standard						
CRI Standard						
LCS Standard						
Chk Standard						
		WP59958,WP60878,WP63999				
44	J2576-01	FK-PS-01.023	SAM	04/26/18 15:26		OK
45	CCV4	CCV4	CCV	04/26/18 15:26		OK
46	CCB4	CCB4	CCB	04/26/18 15:26		OK



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Report of Analysis

Client:		Date Collected:	
Project:	LB94941	Date Received:	
Client Sample ID:	HIGHPB108632	SDG No.:	LB94941
Lab Sample ID:	HIGHPB108632	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		04/26/2018	9012B

Report of Analysis

Client:		Date Collected:	4/25/2018 12:00:00 AM
Project:	LB94941	Date Received:	4/25/2018 12:00:00 AM
Client Sample ID:	JC-01-042518	SDG No.:	LB94941
Lab Sample ID:	J2154-01	Matrix:	Solid
Level (low/med):	low	% Solid:	85.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.063	J	1	0.038		0.29	mg/Kg	04/26/2018	04/26/2018	9012B



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Report of Analysis

Client:		Date Collected:	4/25/2018 12:00:00 AM
Project:	LB94941	Date Received:	4/25/2018 12:00:00 AM
Client Sample ID:	HD-05-042518-A	SDG No.:	LB94941
Lab Sample ID:	J2156-05	Matrix:	Solid
Level (low/med):	low	% Solid:	85.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	-0.00025	U	1	0.035		0.27	mg/Kg	04/26/2018	04/26/2018	9012B



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Report of Analysis

Client:		Date Collected:	4/25/2018 12:00:00 AM
Project:	LB94941	Date Received:	4/25/2018 12:00:00 AM
Client Sample ID:	HD-05-042518-B	SDG No.:	LB94941
Lab Sample ID:	J2156-07	Matrix:	Solid
Level (low/med):	low	% Solid:	88.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	-0.034	U	1	0.035		0.26	mg/Kg	04/26/2018	04/26/2018	9012B



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Report of Analysis

Client:		Date Collected:	4/25/2018 12:00:00 AM
Project:	LB94941	Date Received:	4/25/2018 12:00:00 AM
Client Sample ID:	HD-05-042518-C	SDG No.:	LB94941
Lab Sample ID:	J2156-09	Matrix:	Solid
Level (low/med):	low	% Solid:	88.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	-0.027	U	1	0.036		0.27	mg/Kg	04/26/2018	04/26/2018	9012B



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Report of Analysis

Client:		Date Collected:	4/25/2018 12:00:00 AM
Project:	LB94941	Date Received:	4/25/2018 12:00:00 AM
Client Sample ID:	OR-01-042518-A	SDG No.:	LB94941
Lab Sample ID:	J2161-07	Matrix:	Solid
Level (low/med):	low	% Solid:	85.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	-0.032	U	1	0.037		0.28	mg/Kg	04/26/2018	04/26/2018	9012B



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Report of Analysis

Client:		Date Collected:	4/25/2018 12:00:00 AM
Project:	LB94941	Date Received:	4/25/2018 12:00:00 AM
Client Sample ID:	OR-01-042518-B	SDG No.:	LB94941
Lab Sample ID:	J2161-09	Matrix:	Solid
Level (low/med):	low	% Solid:	81.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	-0.1	U	1	0.038		0.29	mg/Kg	04/26/2018	04/26/2018	9012B



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Report of Analysis

Client:		Date Collected:	4/25/2018 12:00:00 AM
Project:	LB94941	Date Received:	4/25/2018 12:00:00 AM
Client Sample ID:	SP-A	SDG No.:	LB94941
Lab Sample ID:	J2549-01	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	0.022	U	1	0.035		0.27	mg/Kg	04/26/2018	04/26/2018	9012B



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Report of Analysis

Client:		Date Collected:	4/25/2018 12:00:00 AM
Project:	LB94941	Date Received:	4/25/2018 12:00:00 AM
Client Sample ID:	SP-B	SDG No.:	LB94941
Lab Sample ID:	J2549-05	Matrix:	Solid
Level (low/med):	low	% Solid:	89.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.045	J	1	0.035		0.27	mg/Kg	04/26/2018	04/26/2018	9012B



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Report of Analysis

Client:		Date Collected:	4/25/2018 12:00:00 AM
Project:	LB94941	Date Received:	4/25/2018 12:00:00 AM
Client Sample ID:	SP-C	SDG No.:	LB94941
Lab Sample ID:	J2549-09	Matrix:	Solid
Level (low/med):	low	% Solid:	90.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	-0.032	U	1	0.034		0.26	mg/Kg	04/26/2018	04/26/2018	9012B



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Report of Analysis

Client:		Date Collected:	4/25/2018 12:00:00 AM
Project:	LB94941	Date Received:	4/25/2018 12:00:00 AM
Client Sample ID:	SP-D	SDG No.:	LB94941
Lab Sample ID:	J2549-13	Matrix:	Solid
Level (low/med):	low	% Solid:	90.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	-0.055	U	1	0.034		0.26	mg/Kg	04/26/2018	04/26/2018	9012B



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Report of Analysis

Client:		Date Collected:	4/25/2018 12:00:00 AM
Project:	LB94941	Date Received:	4/25/2018 12:00:00 AM
Client Sample ID:	LS-UB-27176	SDG No.:	LB94941
Lab Sample ID:	J2564-01	Matrix:	Solid
Level (low/med):	low	% Solid:	34.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.18	J	1	0.09		0.68	mg/Kg	04/26/2018	04/26/2018	9012B



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Report of Analysis

Client:		Date Collected:	4/23/2018 12:00:00 AM
Project:	LB94941	Date Received:	4/25/2018 12:00:00 AM
Client Sample ID:	FRONT	SDG No.:	LB94941
Lab Sample ID:	J2566-01	Matrix:	Solid
Level (low/med):	low	% Solid:	90.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	-0.0083	U	1	0.034		0.25	mg/Kg	04/26/2018	04/26/2018	9012B



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Report of Analysis

Client:		Date Collected:	4/23/2018 12:00:00 AM
Project:	LB94941	Date Received:	4/25/2018 12:00:00 AM
Client Sample ID:	BACK	SDG No.:	LB94941
Lab Sample ID:	J2566-02	Matrix:	Solid
Level (low/med):	low	% Solid:	94.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	-0.0094	U	1	0.033		0.25	mg/Kg	04/26/2018	04/26/2018	9012B



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Report of Analysis

Client:		Date Collected:	4/25/2018 12:00:00 AM
Project:	LB94941	Date Received:	4/25/2018 12:00:00 AM
Client Sample ID:	FK-PS-01.023	SDG No.:	LB94941
Lab Sample ID:	J2576-01	Matrix:	Solid
Level (low/med):	low	% Solid:	82.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	-0.0039	U	1	0.038		0.29	mg/Kg	04/26/2018	04/26/2018	9012B



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Report of Analysis

Client:		Date Collected:	4/25/2018 12:00:00 AM
Project:	LB94941	Date Received:	4/25/2018 12:00:00 AM
Client Sample ID:	FK-PS-01-023	SDG No.:	LB94941
Lab Sample ID:	J2579-01	Matrix:	Solid
Level (low/med):	low	% Solid:	78.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.015	U	1	0.04		0.31	mg/Kg	04/26/2018	04/26/2018	9012B



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Report of Analysis

Client:		Date Collected:	4/25/2018 12:00:00 AM
Project:	LB94941	Date Received:	4/25/2018 12:00:00 AM
Client Sample ID:	FK-PS-01-022	SDG No.:	LB94941
Lab Sample ID:	J2582-01	Matrix:	Solid
Level (low/med):	low	% Solid:	83

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.035	U	1	0.038		0.28	mg/Kg	04/26/2018	04/26/2018	9012B



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Report of Analysis

Client:		Date Collected:	4/25/2018 12:00:00 AM
Project:	LB94941	Date Received:	4/25/2018 12:00:00 AM
Client Sample ID:	FK-PS-01.022	SDG No.:	LB94941
Lab Sample ID:	J2585-01	Matrix:	Solid
Level (low/med):	low	% Solid:	80.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	-0.027	U	1	0.038		0.29	mg/Kg	04/26/2018	04/26/2018	9012B



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Report of Analysis

Client:		Date Collected:	
Project:	LB94941	Date Received:	
Client Sample ID:	LOWPB108632	SDG No.:	LB94941
Lab Sample ID:	LOWPB108632	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	0.0097		1	0.003		0.005	mg/L		04/26/2018	9012B



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Report of Analysis

Client:		Date Collected:	
Project:	LB94941	Date Received:	
Client Sample ID:	LOWPB108632	SDG No.:	LB94941
Lab Sample ID:	LOWPB108632	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: LB94941

SDG No.: LB94941

Contract: _____ Lab Code: CHEM

Case No.: LB94941

SAS No.: LB94941

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		04/26/2018	13:44	lb94941
CCV2	Cyanide	0.25	0.25	100		90 - 110		04/26/2018	14:36	lb94941
CCV3	Cyanide	0.25	0.25	100		90 - 110		04/26/2018	14:44	lb94941
CCV4	Cyanide	0.27	0.25	108		90 - 110		04/26/2018	15:26	lb94941



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB94941 **SDG No.:** LB94941
Contract: **Lab Code:** CHEM **Case No.:** LB94941 **SAS No.:** LB94941

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Cyanide	-0.0011	+/-0.005	U		0.005		04/26/2018	13:44	lb94941

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Cyanide	-0.00071	+/-0.005	U		0.005		04/26/2018	13:44	1b94941
CCB2	Cyanide	-0.001	+/-0.005	U		0.005		04/26/2018	14:36	1b94941
CCB3	Cyanide	-0	+/-0.005	U		0.005		04/26/2018	14:44	1b94941
CCB4	Cyanide	-0.00021	+/-0.005	U		0.005		04/26/2018	15:26	1b94941



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB94941

SDG No.: LB94941

Contract:

Lab Code: CHEM

Case No.: LB94941

SAS No.: LB94941

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: LB94941

SDG No.: LB94941

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
PB108632BL	Cyanide	SOLID		Batch Number:		PB108632		Prep Date:	04/26/2018	
		-0.036	<0.25	U		0.25		04/26/2018	13:44	lb94941
Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	LOD mg/Kg	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB108640BL	Cyanide	SOLID		Batch Number:		PB108640		Prep Date:	04/26/2018	
		-0.029	<0.25	U		0.25		04/26/2018	14:44	lb94941



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB94941 level: low sdg no.: LB94941
contract: lab code: CHEM case no.: LB94941 sas no.: LB94941
matrix: Solid sample id: J2154-01 client id: JC-01-042518MS
Percent Solids for Sample: 85.8 Spiked ID: J2154-01MS Percent Solids for Spike Sample: 85.8

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	1.9		0.063	J	2.3	80		

GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: <u>LB94941</u>	level: <u>low</u>	sdg no.: <u>LB94941</u>
contract: _____	lab code: <u>CHEM</u>	case no.: <u>LB94941</u> sas no.: <u>LB94941</u>
matrix: <u>Solid</u>	sample id: <u>J2154-01</u>	client id: <u>JC-01-042518MSD</u>
Percent Solids for Sample: 85.8	Spiked ID: J2154-01MSD	Percent Solids for Spike Sample: 85.8

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	1.9		0.063	J	2.2	84		



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB94941 level: low sdg no.: LB94941
contract: lab code: CHEM case no.: LB94941 sas no.: LB94941
matrix: Solid sample id: J2549-01 client id: SP-AMS
Percent Solids for Sample: 90.4 Spiked ID: J2549-01MS Percent Solids for Spike Sample: 90.4

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	1.6		0.035	U	2.1	76.2		



GENCHEM
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MATRIX SPIKE DUPLICATE SUMMARY

client: LB94941 level: low sdg no.: LB94941
contract: lab code: CHEM case no.: LB94941 sas no.: LB94941
matrix: Solid sample id: J2549-01 client id: SP-AMSD
Percent Solids for Sample: 90.4 Spiked ID: J2549-01MSD Percent Solids for Spike Sample: 90.4

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	1.6		0.035	U	2.1	76.2		

GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB94941 **Level:** LOW **SDG No.:** LB94941
Contract: **Lab Code:** CHEM **Case No.:** LB94941 **SAS No.:** LB94941
Matrix: Solid **Sample ID:** J2154-01 **Client ID:** JC-01-042518DUP
Percent Solids for Sample: 85.8 **Duplicate ID** J2154-01DUP **Percent Solids for Spike Sample:** 85.8

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	0.063	J	-0.019	U	200.0	*	

GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB94941 **Level:** LOW **SDG No.:** LB94941
Contract: **Lab Code:** CHEM **Case No.:** LB94941 **SAS No.:** LB94941
Matrix: Solid **Sample ID:** J2154-01MS **Client ID:** JC-01-042518MSD
Percent Solids for Sample: 85.8 **Duplicate ID** J2154-01MSD **Percent Solids for Spike Sample:** 85.8

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	1.9		1.9		0		

GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client:	<u>LB94941</u>	Level:	<u>LOW</u>	SDG No.:	<u>LB94941</u>
Contract:	<u> </u>	Lab Code:	<u>CHEM</u>	Case No.:	<u>LB94941</u>
Matrix:	<u>Solid</u>	Sample ID:	<u>J2549-01</u>	Client ID:	<u>SP-ADUP</u>
Percent Solids for Sample:	90.4	Duplicate ID	J2549-01DUP	Percent Solids for Spike Sample:	90.4

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	0.035	U	-0.0084	U			

GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB94941 **Level:** LOW **SDG No.:** LB94941
Contract: **Lab Code:** CHEM **Case No.:** LB94941 **SAS No.:** LB94941
Matrix: Solid **Sample ID:** J2549-01MS **Client ID:** SP-AMSD
Percent Solids for Sample: 90.4 **Duplicate ID** J2549-01MSD **Percent Solids for Spike Sample:** 90.4

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	1.6		1.6		0		



GENCHEM

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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB94941 SDG No.: LB94941
Contract: Lab Code: CHEM Case No.: LB94941 SAS No.: LB94941

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB108632BS Cyanide	mg/Kg	4.9	4.7		95.9	85 - 115	



GENCHEM

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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB94941

SDG No.: LB94941

Contract:

Lab Code: CHEM

Case No.: LB94941

SAS No.: LB94941

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB108640BS Cyanide	mg/Kg	4.9	4.7		95.9	85 - 115	