

Daily Analysis Runlog For Sequence/QC Batch ID # LB93687

Review By		Review On				
SubDirectory		LB93687		Test : Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP62473,WP62474,WP62475,WP62476,WP62477,WP62478,WP62479				
ICV Standard		W1542				
CCV Standard		WP62480				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP58910				
Chk Standard		WP62482,WP59958,WP60878				
Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	03/05/18 08:12		OK
2	5.0PPBCN	5.0PPBCN	CAL2	03/05/18 08:12		OK
3	10PPBCN	10PPBCN	CAL3	03/05/18 08:12		OK
4	50PPBCN	50PPBCN	CAL4	03/05/18 08:12		OK
5	100PPBCN	100PPBCN	CAL5	03/05/18 08:12		OK
6	250PPBCN	250PPBCN	CAL6	03/05/18 08:12		OK
7	500PPBCN	500PPBCN	CAL7	03/05/18 08:12		OK
8	ICV1	ICV1	ICV	03/05/18 09:15		OK
9	ICB1	ICB1	ICB	03/05/18 09:15		OK
10	CCV1	CCV1	CCV	03/05/18 09:15		OK
11	CCB1	CCB1	CCB	03/05/18 09:15		OK
12	PB107059BS	PB107059BS	LCS	03/05/18 09:15		OK
13	LOWPB107059	LOWPB107059	SAM	03/05/18 09:15		OK
14	HIGHPB107059	HIGHPB107059	SAM	03/05/18 09:15		OK
15	J1723-01	SP-20	SAM	03/05/18 09:15		OK
16	J1723-01DUP	SP-20DUP	DUP	03/05/18 09:15		OK
17	J1723-01MS	SP-20MS	MS	03/05/18 09:15		OK
18	J1723-01MSD	SP-20MSD	MSD	03/05/18 09:22		OK
19	J1723-03	SP-23	SAM	03/05/18 09:22		OK
20	J1723-05	SP-1	SAM	03/05/18 09:22		OK
21	CCV2	CCV2	CCV	03/05/18 09:22		OK

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SubDirectory		LB93687		Test : Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP62473,WP62474,WP62475,WP62476,WP62477,WP62478,WP62479				
ICV Standard		W1542				
CCV Standard		WP62480				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP58910				
Chk Standard		WP62482,WP59958,WP60878				
22	CCB2	CCB2	CCB	03/05/18 09:22		OK
23	J1723-07	SP-2	SAM	03/05/18 09:22		OK
24	J1723-09	SP-3	SAM	03/05/18 09:23		OK
25	J1723-11	SP-4	SAM	03/05/18 09:23		OK
26	J1723-13	SP-26	SAM	03/05/18 09:23		OK
27	J1723-15	SP-33	SAM	03/05/18 09:23		OK
28	J1723-17	SP-39	SAM	03/05/18 09:23		OK
29	J1723-19	SP-45	SAM	03/05/18 09:30		OK
30	PB107060BL	PB107060BL	MB	03/05/18 09:30		OK
31	PB107060BS	PB107060BS	LCS	03/05/18 09:30		OK
32	J1724-01	SP-6	SAM	03/05/18 09:30		OK
33	CCV3	CCV3	CCV	03/05/18 09:30		OK
34	CCB3	CCB3	CCB	03/05/18 09:30		OK
35	J1724-01DUP	SP-6DUP	DUP	03/05/18 09:30		OK
36	J1724-01MS	SP-6MS	MS	03/05/18 09:30		OK
37	J1724-01MSD	SP-6MSD	MSD	03/05/18 09:30		OK
38	J1724-03	SP-8	SAM	03/05/18 09:30		OK
39	J1724-05	SP-10	SAM	03/05/18 09:30		OK
40	J1724-07	SP-13	SAM	03/05/18 09:38		OK
41	J1724-09	SP-16	SAM	03/05/18 09:38		OK
42	J1724-11	SP-19	SAM	03/05/18 09:38		OK
43	J1724-13	SP-22	SAM	03/05/18 09:38		OK

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Review By		Review On				
SubDirectory		LB93687		Test : Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP62473,WP62474,WP62475,WP62476,WP62477,WP62478,WP62479				
ICV Standard		W1542				
CCV Standard		WP62480				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP58910				
Chk Standard		WP62482,WP59958,WP60878				
44	J1724-15	SP-25	SAM	03/05/18 09:38		OK
45	CCV4	CCV4	CCV	03/05/18 09:38		OK
46	CCB4	CCB4	CCB	03/05/18 09:38		OK
47	J1724-17	SP-32	SAM	03/05/18 09:38		OK
48	J1724-19	SP-12	SAM	03/05/18 09:38		OK
49	PB107034BL	PB107034BL	MB	03/05/18 09:38		OK
50	PB107034BS	PB107034BS	LCS	03/05/18 09:38		OK
51	J1722-01	SP-24	SAM	03/05/18 09:45		OK
52	J1722-01DUP	SP-24DUP	DUP	03/05/18 09:45		OK
53	J1722-01MS	SP-24MS	MS	03/05/18 09:45		OK
54	J1722-01MSD	SP-24MSD	MSD	03/05/18 09:45		OK
55	J1722-03	SP-21	SAM	03/05/18 09:45		OK
56	J1722-05	SP-18	SAM	03/05/18 09:45		OK
57	CCV5	CCV5	CCV	03/05/18 09:45		OK
58	CCB5	CCB5	CCB	03/05/18 09:45		OK
59	J1722-07	SP-15	SAM	03/05/18 09:45		OK
60	J1722-09	SP-5	SAM	03/05/18 09:45		OK
61	J1722-11	SP-7	SAM	03/05/18 09:45		OK
62	J1722-13	SP-9	SAM	03/05/18 09:53		OK
63	J1722-17	SP-14	SAM	03/05/18 09:53		OK
64	J1722-19	SP-17	SAM	03/05/18 09:53		OK
65	PB107024BL	PB107024BL	MB	03/05/18 09:53		OK

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ICAL Standard		WP62473,WP62474,WP62475,WP62476,WP62477,WP62478,WP62479				
ICV Standard		W1542				
CCV Standard		WP62480				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP58910				
Chk Standard		WP62482,WP59958,WP60878				
66	PB107024BS	PB107024BS	LCS	03/05/18 09:53		OK
67	J1756-01	OR-01-030118-A	SAM	03/05/18 09:53		OK
68	CCV6	CCV6	CCV	03/05/18 09:53		OK
69	CCB6	CCB6	CCB	03/05/18 09:53		OK
70	J1756-01DUP	OR-01-030118-ADUP	DUP	03/05/18 09:53		OK
71	J1756-01MS	OR-01-030118-AMS	MS	03/05/18 09:53		OK
72	J1756-01MSD	OR-01-030118-AMSD	MSD	03/05/18 10:00		OK
73	J1756-03	OR-01-030118-B	SAM	03/05/18 10:00		OK
74	J1767-03	RO-72-11998	SAM	03/05/18 10:00		OK
75	J1774-01	CLEAN-SAND-17	SAM	03/05/18 10:00		OK
76	J1774-02	CLEAN-SAND-18	SAM	03/05/18 10:00		OK
77	J1774-03	CLEAN-SAND-19	SAM	03/05/18 10:00		OK
78	J1778-04	TP-3	SAM	03/05/18 10:00		OK
79	CCV7	CCV7	CCV	03/05/18 10:00		OK
80	CCB7	CCB7	CCB	03/05/18 10:00		OK
81	J1779-01	DRUM-5	SAM	03/05/18 10:04		OK
82	PB107059BL	PB107059BL	MB	03/05/18 10:34		OK
83	J1722-15	SP-11	SAM	03/05/18 10:34		OK
84	J1778-05	TP-4	SAM	03/05/18 10:34		OK
85	J1778-06	TP-5	SAM	03/05/18 10:34		OK
86	CCV8	CCV8	CCV	03/05/18 10:34		OK
87	CCB8	CCB8	CCB	03/05/18 10:34		OK



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Report of Analysis

Client:		Date Collected:	
Project:	LB93687	Date Received:	
Client Sample ID:	HIGHPB107059	SDG No.:	LB93687
Lab Sample ID:	HIGHPB107059	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	0.5		1	0.003		0.005	mg/L		03/05/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/27/2018 12:00:00 AM
Project:	LB93687	Date Received:	2/27/2018 12:00:00 AM
Client Sample ID:	SP-24	SDG No.:	LB93687
Lab Sample ID:	J1722-01	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	0.065	J	1	0.036		0.27	mg/Kg	03/02/2018	03/05/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/27/2018 12:00:00 AM
Project:	LB93687	Date Received:	2/27/2018 12:00:00 AM
Client Sample ID:	SP-21	SDG No.:	LB93687
Lab Sample ID:	J1722-03	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	0.2	J	1	0.037		0.28	mg/Kg	03/02/2018	03/05/2018	9012B

Report of Analysis

Client:		Date Collected:	2/27/2018 12:00:00 AM
Project:	LB93687	Date Received:	2/27/2018 12:00:00 AM
Client Sample ID:	SP-18	SDG No.:	LB93687
Lab Sample ID:	J1722-05	Matrix:	Solid
Level (low/med):	low	% Solid:	89.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.063	J	1	0.037		0.28	mg/Kg	03/02/2018	03/05/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/27/2018 12:00:00 AM
Project:	LB93687	Date Received:	2/27/2018 12:00:00 AM
Client Sample ID:	SP-15	SDG No.:	LB93687
Lab Sample ID:	J1722-07	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	0.035		0.27	mg/Kg	03/02/2018	03/05/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/27/2018 12:00:00 AM
Project:	LB93687	Date Received:	2/27/2018 12:00:00 AM
Client Sample ID:	SP-5	SDG No.:	LB93687
Lab Sample ID:	J1722-09	Matrix:	Solid
Level (low/med):	low	% Solid:	87.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.093	J	1	0.037		0.28	mg/Kg	03/02/2018	03/05/2018	9012B

Report of Analysis

Client:		Date Collected:	2/27/2018 12:00:00 AM
Project:	LB93687	Date Received:	2/27/2018 12:00:00 AM
Client Sample ID:	SP-7	SDG No.:	LB93687
Lab Sample ID:	J1722-11	Matrix:	Solid
Level (low/med):	low	% Solid:	89.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.089	J	1	0.036		0.27	mg/Kg	03/02/2018	03/05/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/27/2018 12:00:00 AM
Project:	LB93687	Date Received:	2/27/2018 12:00:00 AM
Client Sample ID:	SP-9	SDG No.:	LB93687
Lab Sample ID:	J1722-13	Matrix:	Solid
Level (low/med):	low	% Solid:	88.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.099	J	1	0.037		0.28	mg/Kg	03/02/2018	03/05/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/27/2018 12:00:00 AM
Project:	LB93687	Date Received:	2/27/2018 12:00:00 AM
Client Sample ID:	SP-11	SDG No.:	LB93687
Lab Sample ID:	J1722-15	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	0.13	J	1	0.036		0.27	mg/Kg	03/02/2018	03/05/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/27/2018 12:00:00 AM
Project:	LB93687	Date Received:	2/27/2018 12:00:00 AM
Client Sample ID:	SP-14	SDG No.:	LB93687
Lab Sample ID:	J1722-17	Matrix:	Solid
Level (low/med):	low	% Solid:	93

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.17	J	1	0.034		0.26	mg/Kg	03/02/2018	03/05/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/27/2018 12:00:00 AM
Project:	LB93687	Date Received:	2/27/2018 12:00:00 AM
Client Sample ID:	SP-17	SDG No.:	LB93687
Lab Sample ID:	J1722-19	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	0.041	J	1	0.035		0.26	mg/Kg	03/02/2018	03/05/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/27/2018 12:00:00 AM
Project:	LB93687	Date Received:	2/27/2018 12:00:00 AM
Client Sample ID:	SP-20	SDG No.:	LB93687
Lab Sample ID:	J1723-01	Matrix:	Solid
Level (low/med):	low	% Solid:	90.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.17	J	1	0.036		0.27	mg/Kg	03/03/2018	03/05/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/27/2018 12:00:00 AM
Project:	LB93687	Date Received:	2/27/2018 12:00:00 AM
Client Sample ID:	SP-23	SDG No.:	LB93687
Lab Sample ID:	J1723-03	Matrix:	Solid
Level (low/med):	low	% Solid:	94.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.1	J	1	0.035		0.26	mg/Kg	03/03/2018	03/05/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/27/2018 12:00:00 AM
Project:	LB93687	Date Received:	2/27/2018 12:00:00 AM
Client Sample ID:	SP-1	SDG No.:	LB93687
Lab Sample ID:	J1723-05	Matrix:	Solid
Level (low/med):	low	% Solid:	90.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.12	J	1	0.036		0.27	mg/Kg	03/03/2018	03/05/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/27/2018 12:00:00 AM
Project:	LB93687	Date Received:	2/27/2018 12:00:00 AM
Client Sample ID:	SP-2	SDG No.:	LB93687
Lab Sample ID:	J1723-07	Matrix:	Solid
Level (low/med):	low	% Solid:	91.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.12	J	1	0.034		0.26	mg/Kg	03/03/2018	03/05/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/27/2018 12:00:00 AM
Project:	LB93687	Date Received:	2/27/2018 12:00:00 AM
Client Sample ID:	SP-3	SDG No.:	LB93687
Lab Sample ID:	J1723-09	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	0.12	J	1	0.036		0.27	mg/Kg	03/03/2018	03/05/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/27/2018 12:00:00 AM
Project:	LB93687	Date Received:	2/27/2018 12:00:00 AM
Client Sample ID:	SP-4	SDG No.:	LB93687
Lab Sample ID:	J1723-11	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	0.075	J	1	0.035		0.27	mg/Kg	03/03/2018	03/05/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/27/2018 12:00:00 AM
Project:	LB93687	Date Received:	2/27/2018 12:00:00 AM
Client Sample ID:	SP-26	SDG No.:	LB93687
Lab Sample ID:	J1723-13	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	0.14	J	1	0.036		0.27	mg/Kg	03/03/2018	03/05/2018	9012B

Report of Analysis

Client:		Date Collected:	2/27/2018 12:00:00 AM
Project:	LB93687	Date Received:	2/27/2018 12:00:00 AM
Client Sample ID:	SP-33	SDG No.:	LB93687
Lab Sample ID:	J1723-15	Matrix:	Solid
Level (low/med):	low	% Solid:	88.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.12	J	1	0.037		0.28	mg/Kg	03/03/2018	03/05/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/27/2018 12:00:00 AM
Project:	LB93687	Date Received:	2/27/2018 12:00:00 AM
Client Sample ID:	SP-39	SDG No.:	LB93687
Lab Sample ID:	J1723-17	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	0.12	J	1	0.035		0.26	mg/Kg	03/03/2018	03/05/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/27/2018 12:00:00 AM
Project:	LB93687	Date Received:	2/27/2018 12:00:00 AM
Client Sample ID:	SP-45	SDG No.:	LB93687
Lab Sample ID:	J1723-19	Matrix:	Solid
Level (low/med):	low	% Solid:	89

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	03/03/2018	03/05/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/27/2018 12:00:00 AM
Project:	LB93687	Date Received:	2/27/2018 12:00:00 AM
Client Sample ID:	SP-6	SDG No.:	LB93687
Lab Sample ID:	J1724-01	Matrix:	Solid
Level (low/med):	low	% Solid:	89.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.26	J	1	0.036		0.27	mg/Kg	03/03/2018	03/05/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/27/2018 12:00:00 AM
Project:	LB93687	Date Received:	2/27/2018 12:00:00 AM
Client Sample ID:	SP-8	SDG No.:	LB93687
Lab Sample ID:	J1724-03	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	0.18	J	1	0.037		0.28	mg/Kg	03/03/2018	03/05/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/27/2018 12:00:00 AM
Project:	LB93687	Date Received:	2/27/2018 12:00:00 AM
Client Sample ID:	SP-10	SDG No.:	LB93687
Lab Sample ID:	J1724-05	Matrix:	Solid
Level (low/med):	low	% Solid:	91.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.091	J	1	0.036		0.27	mg/Kg	03/03/2018	03/05/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/27/2018 12:00:00 AM
Project:	LB93687	Date Received:	2/27/2018 12:00:00 AM
Client Sample ID:	SP-13	SDG No.:	LB93687
Lab Sample ID:	J1724-07	Matrix:	Solid
Level (low/med):	low	% Solid:	89.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	-0.012	U	1	0.035		0.27	mg/Kg	03/03/2018	03/05/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/27/2018 12:00:00 AM
Project:	LB93687	Date Received:	2/27/2018 12:00:00 AM
Client Sample ID:	SP-16	SDG No.:	LB93687
Lab Sample ID:	J1724-09	Matrix:	Solid
Level (low/med):	low	% Solid:	89.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.0046	U	1	0.036		0.27	mg/Kg	03/03/2018	03/05/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/27/2018 12:00:00 AM
Project:	LB93687	Date Received:	2/27/2018 12:00:00 AM
Client Sample ID:	SP-19	SDG No.:	LB93687
Lab Sample ID:	J1724-11	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	0.092	J	1	0.036		0.27	mg/Kg	03/03/2018	03/05/2018	9012B

Report of Analysis

Client:		Date Collected:	2/27/2018 12:00:00 AM
Project:	LB93687	Date Received:	2/27/2018 12:00:00 AM
Client Sample ID:	SP-22	SDG No.:	LB93687
Lab Sample ID:	J1724-13	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	0.085	J	1	0.035		0.27	mg/Kg	03/03/2018	03/05/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/27/2018 12:00:00 AM
Project:	LB93687	Date Received:	2/27/2018 12:00:00 AM
Client Sample ID:	SP-25	SDG No.:	LB93687
Lab Sample ID:	J1724-15	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	0.056	J	1	0.036		0.28	mg/Kg	03/03/2018	03/05/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/27/2018 12:00:00 AM
Project:	LB93687	Date Received:	2/27/2018 12:00:00 AM
Client Sample ID:	SP-32	SDG No.:	LB93687
Lab Sample ID:	J1724-17	Matrix:	Solid
Level (low/med):	low	% Solid:	92.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.17	J	1	0.034		0.26	mg/Kg	03/03/2018	03/05/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/27/2018 12:00:00 AM
Project:	LB93687	Date Received:	2/27/2018 12:00:00 AM
Client Sample ID:	SP-12	SDG No.:	LB93687
Lab Sample ID:	J1724-19	Matrix:	Solid
Level (low/med):	low	% Solid:	90.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.083	J	1	0.036		0.27	mg/Kg	03/03/2018	03/05/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/1/2018 12:00:00 AM
Project:	LB93687	Date Received:	3/1/2018 12:00:00 AM
Client Sample ID:	OR-01-030118-A	SDG No.:	LB93687
Lab Sample ID:	J1756-01	Matrix:	Solid
Level (low/med):	low	% Solid:	90.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.062	J	1	0.036		0.27	mg/Kg	03/02/2018	03/05/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/1/2018 12:00:00 AM
Project:	LB93687	Date Received:	3/1/2018 12:00:00 AM
Client Sample ID:	OR-01-030118-B	SDG No.:	LB93687
Lab Sample ID:	J1756-03	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	0.047	J	1	0.036		0.28	mg/Kg	03/02/2018	03/05/2018	9012B

Report of Analysis

Client:		Date Collected:	3/1/2018 12:00:00 AM
Project:	LB93687	Date Received:	3/1/2018 12:00:00 AM
Client Sample ID:	RO-72-11998	SDG No.:	LB93687
Lab Sample ID:	J1767-03	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	0.04	J	1	0.036		0.27	mg/Kg	03/02/2018	03/05/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/1/2018 12:00:00 AM
Project:	LB93687	Date Received:	3/1/2018 12:00:00 AM
Client Sample ID:	CLEAN-SAND-17	SDG No.:	LB93687
Lab Sample ID:	J1774-01	Matrix:	Solid
Level (low/med):	low	% Solid:	93.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	-0.0018	U	1	0.034		0.26	mg/Kg	03/02/2018	03/05/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/1/2018 12:00:00 AM
Project:	LB93687	Date Received:	3/1/2018 12:00:00 AM
Client Sample ID:	CLEAN-SAND-18	SDG No.:	LB93687
Lab Sample ID:	J1774-02	Matrix:	Solid
Level (low/med):	low	% Solid:	92.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	-0.0047	U	1	0.035		0.26	mg/Kg	03/02/2018	03/05/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/1/2018 12:00:00 AM
Project:	LB93687	Date Received:	3/1/2018 12:00:00 AM
Client Sample ID:	CLEAN-SAND-19	SDG No.:	LB93687
Lab Sample ID:	J1774-03	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	0.00099	U	1	0.036		0.27	mg/Kg	03/02/2018	03/05/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/28/2018 12:00:00 AM
Project:	LB93687	Date Received:	3/1/2018 12:00:00 AM
Client Sample ID:	TP-3	SDG No.:	LB93687
Lab Sample ID:	J1778-04	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	0.0052	U	1	0.036		0.27	mg/Kg	03/02/2018	03/05/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/28/2018 12:00:00 AM
Project:	LB93687	Date Received:	3/1/2018 12:00:00 AM
Client Sample ID:	TP-4	SDG No.:	LB93687
Lab Sample ID:	J1778-05	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	0.0032	U	1	0.037		0.28	mg/Kg	03/02/2018	03/05/2018	9012B



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Report of Analysis

Client:		Date Collected:	2/28/2018 12:00:00 AM
Project:	LB93687	Date Received:	3/1/2018 12:00:00 AM
Client Sample ID:	TP-5	SDG No.:	LB93687
Lab Sample ID:	J1778-06	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	0.13	J	1	0.036		0.27	mg/Kg	03/02/2018	03/05/2018	9012B



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Report of Analysis

Client:		Date Collected:	3/1/2018 12:00:00 AM
Project:	LB93687	Date Received:	3/1/2018 12:00:00 AM
Client Sample ID:	DRUM-5	SDG No.:	LB93687
Lab Sample ID:	J1779-01	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.031	U	1	0.032		0.24	mg/Kg	03/02/2018	03/05/2018	9012B



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Report of Analysis

Client:		Date Collected:	
Project:	LB93687	Date Received:	
Client Sample ID:	LOWPB107059	SDG No.:	LB93687
Lab Sample ID:	LOWPB107059	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	0.01		1	0.003		0.005	mg/L		03/05/2018	9012B



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Report of Analysis

Client:		Date Collected:	
Project:	LB93687	Date Received:	
Client Sample ID:	LOWPB107059	SDG No.:	LB93687
Lab Sample ID:	LOWPB107059	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: LB93687

SDG No.: LB93687

Contract: _____

Lab Code: CHEM

Case No.: LB93687

SAS No.: LB93687

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		03/05/2018	09:15	LB93687



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB93687

SDG No.: LB93687

Contract: _____ Lab Code: CHEM

Case No.: LB93687

SAS No.: LB93687

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		03/05/2018	09:15	LB93687
CCV2	Cyanide	0.24	0.25	96		90 - 110		03/05/2018	09:22	LB93687
CCV3	Cyanide	0.24	0.25	96		90 - 110		03/05/2018	09:30	LB93687
CCV4	Cyanide	0.24	0.25	96		90 - 110		03/05/2018	09:38	LB93687
CCV5	Cyanide	0.24	0.25	96		90 - 110		03/05/2018	09:45	LB93687
CCV6	Cyanide	0.24	0.25	96		90 - 110		03/05/2018	09:53	LB93687
CCV7	Cyanide	0.24	0.25	96		90 - 110		03/05/2018	10:00	LB93687
CCV8	Cyanide	0.24	0.25	96		90 - 110		03/05/2018	10:34	LB93687



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB93687 **SDG No.:** LB93687
Contract: **Lab Code:** CHEM **Case No.:** LB93687 **SAS No.:** LB93687

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Cyanide	-0.0001	+/-0.005	U		0.005		03/05/2018	09:15	LB93687



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB93687

SDG No.: LB93687

Contract: Lab Code: CHEM

Case No.: LB93687

SAS No.: LB93687

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Cyanide	-0.00038	+/-0.005	U		0.005		03/05/2018	09:15	LB93687
CCB2	Cyanide	-0	+/-0.005	U		0.005		03/05/2018	09:22	LB93687
CCB3	Cyanide	0	+/-0.005	U		0.005		03/05/2018	09:30	LB93687
CCB4	Cyanide	-0	+/-0.005	U		0.005		03/05/2018	09:38	LB93687
CCB5	Cyanide	-0	+/-0.005	U		0.005		03/05/2018	09:45	LB93687
CCB6	Cyanide	-0.00014	+/-0.005	U		0.005		03/05/2018	09:53	LB93687
CCB7	Cyanide	0.0004	+/-0.005	U		0.005		03/05/2018	10:00	LB93687
CCB8	Cyanide	0.00023	+/-0.005	U		0.005		03/05/2018	10:34	LB93687



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB93687

SDG No.: LB93687

Contract: Lab Code: CHEM

Case No.: LB93687

SAS No.: LB93687

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: LB93687

SDG No.: LB93687

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
PB107024BL		SOLID		Batch Number:		PB107024		Prep Date:	03/02/2018	
	Cyanide	-0.0073	<0.24	U		0.24		03/05/2018	09:53	LB93687
Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	LOD mg/Kg	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB107034BL		SOLID		Batch Number:		PB107034		Prep Date:	03/02/2018	
	Cyanide	-0.015	<0.24	U		0.24		03/05/2018	09:38	LB93687
Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	LOD mg/Kg	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB107059BL		SOLID		Batch Number:		PB107059		Prep Date:	03/03/2018	
	Cyanide	-0.027	<0.24	U		0.24		03/05/2018	10:34	LB93687
Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	LOD mg/Kg	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB107060BL		SOLID		Batch Number:		PB107060		Prep Date:	03/03/2018	
	Cyanide	-0.013	<0.24	U		0.24		03/05/2018	09:30	LB93687



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB93687 level: low sdg no.: LB93687
contract: lab code: CHEM case no.: LB93687 sas no.: LB93687
matrix: Solid sample id: J1722-01 client id: SP-24MS
Percent Solids for Sample: 90 Spiked ID: J1722-01MS 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		0.065	J	2.2	88		



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB93687 level: low sdg no.: LB93687
contract: lab code: CHEM case no.: LB93687 sas no.: LB93687
matrix: Solid sample id: J1722-01 client id: SP-24MSD
Percent Solids for Sample: 90 Spiked ID: J1722-01MSD 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	0.065	J	2.2	88		



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB93687 level: low sdg no.: LB93687
contract: lab code: CHEM case no.: LB93687 sas no.: LB93687
matrix: Solid sample id: J1723-01 client id: SP-20MS
Percent Solids for Sample: 90.9 Spiked ID: J1723-01MS Percent Solids for Spike Sample: 90.9

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	1.6		0.17	J	2.1	68	*	



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB93687 level: low sdg no.: LB93687
contract: lab code: CHEM case no.: LB93687 sas no.: LB93687
matrix: Solid sample id: J1723-01 client id: SP-20MSD
Percent Solids for Sample: 90.9 Spiked ID: J1723-01MSD Percent Solids for Spike Sample: 90.9

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	1.6		0.17	J	2.1	68	*	



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB93687 level: low sdg no.: LB93687
contract: lab code: CHEM case no.: LB93687 sas no.: LB93687
matrix: Solid sample id: J1724-01 client id: SP-6MS
Percent Solids for Sample: 89.2 Spiked ID: J1724-01MS Percent Solids for Spike Sample: 89.2

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	1.8		0.26	J	2.2	70	*	



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB93687 level: low sdg no.: LB93687
contract: lab code: CHEM case no.: LB93687 sas no.: LB93687
matrix: Solid sample id: J1724-01 client id: SP-6MSD
Percent Solids for Sample: 89.2 Spiked ID: J1724-01MSD Percent Solids for Spike Sample: 89.2

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	1.9		0.26	J	2.2	75		



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB93687 level: low sdg no.: LB93687
contract: lab code: CHEM case no.: LB93687 sas no.: LB93687
matrix: Solid sample id: J1756-01 client id: OR-01-030118-AMS
Percent Solids for Sample: 90.9 Spiked ID: J1756-01MS Percent Solids for Spike Sample: 90.9

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	1.5		0.062	J	2.1	68	*	



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB93687 level: low sdg no.: LB93687
contract: lab code: CHEM case no.: LB93687 sas no.: LB93687
matrix: Solid sample id: J1756-01 client id: OR-01-030118-AMSD
Percent Solids for Sample: 90.9 Spiked ID: J1756-01MSD Percent Solids for Spike Sample: 90.9

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	1.6		0.062	J	2.2	70	*	

GENCHEM

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB93687 **Level:** LOW **SDG No.:** LB93687
Contract: **Lab Code:** CHEM **Case No.:** LB93687 **SAS No.:** LB93687
Matrix: Solid **Sample ID:** J1722-01 **Client ID:** SP-24DUP
Percent Solids for Sample: 90 **Duplicate ID** J1722-01DUP **Percent Solids for Spike Sample:** 90

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	0.065	J	0.06	J	8		

GENCHEM**- 6 -****DUPLICATE SAMPLE SUMMARY**

Client: LB93687 **Level:** LOW **SDG No.:** LB93687
Contract: **Lab Code:** CHEM **Case No.:** LB93687 **SAS No.:** LB93687
Matrix: Solid **Sample ID:** J1722-01MS **Client ID:** SP-24MSD
Percent Solids for Sample: 90 **Duplicate ID** J1722-01MSD **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		

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DUPLICATE SAMPLE SUMMARY

Client: LB93687 **Level:** LOW **SDG No.:** LB93687
Contract: **Lab Code:** CHEM **Case No.:** LB93687 **SAS No.:** LB93687
Matrix: Solid **Sample ID:** J1723-01 **Client ID:** SP-20DUP
Percent Solids for Sample: 90.9 **Duplicate ID** J1723-01DUP **Percent Solids for Spike Sample:** 90.9

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	0.17	J	0.16	J	6		

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DUPLICATE SAMPLE SUMMARY

Client: LB93687 **Level:** LOW **SDG No.:** LB93687
Contract: **Lab Code:** CHEM **Case No.:** LB93687 **SAS No.:** LB93687
Matrix: Solid **Sample ID:** J1723-01MS **Client ID:** SP-20MSD
Percent Solids for Sample: 90.9 **Duplicate ID** J1723-01MSD **Percent Solids for Spike Sample:** 90.9

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

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DUPLICATE SAMPLE SUMMARY

Client: LB93687 **Level:** LOW **SDG No.:** LB93687
Contract: **Lab Code:** CHEM **Case No.:** LB93687 **SAS No.:** LB93687
Matrix: Solid **Sample ID:** J1724-01 **Client ID:** SP-6DUP
Percent Solids for Sample: 89.2 **Duplicate ID** J1724-01DUP **Percent Solids for Spike Sample:** 89.2

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	0.26	J	0.25	J	4		

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DUPLICATE SAMPLE SUMMARY

Client: LB93687 **Level:** LOW **SDG No.:** LB93687
Contract: **Lab Code:** CHEM **Case No.:** LB93687 **SAS No.:** LB93687
Matrix: Solid **Sample ID:** J1724-01MS **Client ID:** SP-6MSD
Percent Solids for Sample: 89.2 **Duplicate ID** J1724-01MSD **Percent Solids for Spike Sample:** 89.2

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

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DUPLICATE SAMPLE SUMMARY

Client: LB93687 **Level:** LOW **SDG No.:** LB93687
Contract: **Lab Code:** CHEM **Case No.:** LB93687 **SAS No.:** LB93687
Matrix: Solid **Sample ID:** J1756-01 **Client ID:** OR-01-030118-ADUP
Percent Solids for Sample: 90.9 **Duplicate ID** J1756-01DUP **Percent Solids for Spike Sample:** 90.9

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	0.062	J	0.042	J	38	*	

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DUPLICATE SAMPLE SUMMARY

Client: LB93687 **Level:** LOW **SDG No.:** LB93687
Contract: **Lab Code:** CHEM **Case No.:** LB93687 **SAS No.:** LB93687
Matrix: Solid **Sample ID:** J1756-01MS **Client ID:** OR-01-030118-AMSD
Percent Solids for Sample: 90.9 **Duplicate ID** J1756-01MSD **Percent Solids for Spike Sample:** 90.9

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	1.5		1.6		6		



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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB93687

SDG No.: LB93687

Contract:

Lab Code: CHEM

Case No.: LB93687

SAS No.: LB93687

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB107024BS Cyanide	mg/Kg	4.9	4.6		93.9	85 - 115	



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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB93687

SDG No.: LB93687

Contract:

Lab Code: CHEM

Case No.: LB93687

SAS No.: LB93687

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB107034BS Cyanide	mg/Kg	4.9	4.5		91.8	85 - 115	



GENCHEM

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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB93687 SDG No.: LB93687
Contract: Lab Code: CHEM Case No.: LB93687 SAS No.: LB93687

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB107059BS Cyanide	mg/Kg	4.9	4.7		95.9	85 - 115	
