

Daily Analysis Runlog For Sequence/QC Batch ID # LB93822

Review By

Review On

SubDirectory

LB93822

Test :

Cyanide

STD. NAME		STD REF.#				
ICAL Standard		WP62594,WP62586,WP62585,WP62583,WP62582,WP62581				
ICV Standard		WP62595				
CCV Standard		WP62596				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP62630,WP59958,WP58653				

Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	S0.0	S0.0	CAL1	03/12/18 08:47		OK
2	S5.0	S5.0	CAL2	03/12/18 08:47		OK
3	S10.0	S10.0	CAL3	03/12/18 08:47		OK
4	S100.0	S100.0	CAL4	03/12/18 08:47		OK
5	S250.0	S250.0	CAL5	03/12/18 08:47		OK
6	S500.0	S500.0	CAL6	03/12/18 08:47		OK
7	ICV	ICV	ICV	03/12/18 09:36		OK
8	ICB	ICB	ICB	03/12/18 09:36		OK
9	CCV001	CCV001	CCV	03/12/18 09:36		OK
10	CCB001	CCB001	CCB	03/12/18 09:36		OK
11	PB107223BL	PBS006	MB	03/12/18 09:36		OK
12	J1837-01	MF6F08	SAM	03/12/18 09:36		OK
13	J1837-02	MF6F09	SAM	03/12/18 09:36		OK
14	J1837-03	MF6F10	SAM	03/12/18 09:36		OK
15	J1837-04	MF6F12	SAM	03/12/18 09:36		OK
16	J1837-05	MF6F12D	DUP	03/12/18 09:36		OK
17	J1837-06	MF6F12S	MS	03/12/18 09:36		OK
18	J1837-07	MF6F13	SAM	03/12/18 09:43		OK
19	J1837-08	MF6F14	SAM	03/12/18 09:43		OK
20	J1837-09	MF6F15	SAM	03/12/18 09:43		OK
21	J1837-10	MF6F33	SAM	03/12/18 09:43		OK

Daily Analysis Runlog For Sequence/QC Batch ID # LB93822

Review By		Review On				
SubDirectory		LB93822		Test : Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP62594,WP62586,WP62585,WP62583,WP62582,WP62581				
ICV Standard		WP62595				
CCV Standard		WP62596				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP62630,WP59958,WP58653				
22	J1837-11	MF6F34	SAM	03/12/18 09:43		OK
23	J1837-12	MF6F35	SAM	03/12/18 09:43		OK
24	J1837-13	MF6F48	SAM	03/12/18 09:43		OK
25	J1837-14	MF6F49	SAM	03/12/18 09:43		OK
26	J1837-15	MF6F32	SAM	03/12/18 09:43		OK
27	J1837-18	MF6F36	SAM	03/12/18 09:43		OK
28	J1837-19	MF6F47	SAM	03/12/18 09:43		OK
29	PB107219BL	PBS006	MB	03/12/18 09:51		OK
30	J1836-01	MF6F00	SAM	03/12/18 09:51		OK
31	J1836-02	MF6F01	SAM	03/12/18 09:51		OK
32	J1836-03	MF6F02	SAM	03/12/18 09:51		OK
33	J1836-04	MF6F03	SAM	03/12/18 09:51		OK
34	J1836-05	MF6F04	SAM	03/12/18 09:51		OK
35	J1836-06	MF6F05	SAM	03/12/18 09:51		OK
36	J1836-07	MF6F40	SAM	03/12/18 09:51		OK
37	J1836-08	MF6F41	SAM	03/12/18 09:51		OK
38	J1836-09	MF6F42	SAM	03/12/18 09:51		OK
39	J1836-10	MF6F43	SAM	03/12/18 09:51		OK
40	J1836-11	MF6F44	SAM	03/12/18 09:58		OK
41	J1836-12	MF6F16	SAM	03/12/18 09:58		OK
42	J1836-13	MF6F17	SAM	03/12/18 09:58		OK
43	J1836-14	MF6F18	SAM	03/12/18 09:58		OK

Daily Analysis Runlog For Sequence/QC Batch ID # LB93822

Review By		Review On				
SubDirectory		LB93822		Test : Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP62594,WP62586,WP62585,WP62583,WP62582,WP62581				
ICV Standard		WP62595				
CCV Standard		WP62596				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		N/A				
Chk Standard		WP62630,WP59958,WP58653				
44	J1836-15	MF6F18D	DUP	03/12/18 09:58		OK
45	J1836-16	MF6F18S	MS	03/12/18 09:58		OK
46	J1836-17	MF6F20	SAM	03/12/18 09:58		OK
47	J1836-18	MF6F21	SAM	03/12/18 09:58		OK
48	J1836-19	MF6F24	SAM	03/12/18 09:58		OK
49	J1836-20	MF6F28	SAM	03/12/18 09:58		OK
50	J1836-21	MF6F29	SAM	03/12/18 09:58		OK
51	J1836-22	MF6F30	SAM	03/12/18 10:04		OK
52	PB107222BL	PBW005	MB	03/12/18 10:04		OK
53	J1837-16	MF6F51	SAM	03/12/18 10:04		OK
54	J1837-17	MF6F52	SAM	03/12/18 10:04		OK
55	CCV002	CCV002	CCV	03/12/18 10:04		OK
56	CCB002	CCB002	CCB	03/12/18 10:04		OK



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

Report of Analysis

Client:		Date Collected:	3/6/2018 12:00:00 AM
Project:	LB93822	Date Received:	3/7/2018 12:00:00 AM
Client Sample ID:	MF6F00	SDG No.:	LB93822
Lab Sample ID:	J1836-01	Matrix:	Solid
Level (low/med):	low	% Solid:	90.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.047	U	1	0.12	0.014	0.55	mg/kg	03/09/2018	03/12/2018	ISM02.4_CN



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

Report of Analysis

Client:		Date Collected:	3/6/2018 12:00:00 AM
Project:	LB93822	Date Received:	3/7/2018 12:00:00 AM
Client Sample ID:	MF6F01	SDG No.:	LB93822
Lab Sample ID:	J1836-02	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	U	1	0.12	0.014	0.56	mg/kg	03/09/2018	03/12/2018	ISM02.4_CN



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

Report of Analysis

Client:		Date Collected:	3/6/2018 12:00:00 AM
Project:	LB93822	Date Received:	3/7/2018 12:00:00 AM
Client Sample ID:	MF6F02	SDG No.:	LB93822
Lab Sample ID:	J1836-03	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	U	1	0.12	0.014	0.55	mg/kg	03/09/2018	03/12/2018	ISM02.4_CN



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

Report of Analysis

Client:		Date Collected:	3/6/2018 12:00:00 AM
Project:	LB93822	Date Received:	3/7/2018 12:00:00 AM
Client Sample ID:	MF6F03	SDG No.:	LB93822
Lab Sample ID:	J1836-04	Matrix:	Solid
Level (low/med):	low	% Solid:	81.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0	U	1	0.13	0.015	0.6	mg/kg	03/09/2018	03/12/2018	ISM02.4_CN



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

Report of Analysis

Client:		Date Collected:	3/6/2018 12:00:00 AM
Project:	LB93822	Date Received:	3/7/2018 12:00:00 AM
Client Sample ID:	MF6F04	SDG No.:	LB93822
Lab Sample ID:	J1836-05	Matrix:	Solid
Level (low/med):	low	% Solid:	92.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.007	U	1	0.11	0.013	0.52	mg/kg	03/09/2018	03/12/2018	ISM02.4_CN



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

Report of Analysis

Client:		Date Collected:	3/6/2018 12:00:00 AM
Project:	LB93822	Date Received:	3/7/2018 12:00:00 AM
Client Sample ID:	MF6F05	SDG No.:	LB93822
Lab Sample ID:	J1836-06	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	U	1	0.12	0.014	0.55	mg/kg	03/09/2018	03/12/2018	ISM02.4_CN



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

Report of Analysis

Client:		Date Collected:	3/6/2018 12:00:00 AM
Project:	LB93822	Date Received:	3/7/2018 12:00:00 AM
Client Sample ID:	MF6F40	SDG No.:	LB93822
Lab Sample ID:	J1836-07	Matrix:	Solid
Level (low/med):	low	% Solid:	84.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0	U	1	0.13	0.015	0.59	mg/kg	03/09/2018	03/12/2018	ISM02.4_CN



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

Report of Analysis

Client:		Date Collected:	3/6/2018 12:00:00 AM
Project:	LB93822	Date Received:	3/7/2018 12:00:00 AM
Client Sample ID:	MF6F41	SDG No.:	LB93822
Lab Sample ID:	J1836-08	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	U	1	0.12	0.013	0.52	mg/kg	03/09/2018	03/12/2018	ISM02.4_CN



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

Report of Analysis

Client:		Date Collected:	3/6/2018 12:00:00 AM
Project:	LB93822	Date Received:	3/7/2018 12:00:00 AM
Client Sample ID:	MF6F42	SDG No.:	LB93822
Lab Sample ID:	J1836-09	Matrix:	Solid
Level (low/med):	low	% Solid:	89.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0	U	1	0.12	0.014	0.54	mg/kg	03/09/2018	03/12/2018	ISM02.4_CN



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

Report of Analysis

Client:		Date Collected:	3/6/2018 12:00:00 AM
Project:	LB93822	Date Received:	3/7/2018 12:00:00 AM
Client Sample ID:	MF6F43	SDG No.:	LB93822
Lab Sample ID:	J1836-10	Matrix:	Solid
Level (low/med):	low	% Solid:	88

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0	U	1	0.12	0.014	0.54	mg/kg	03/09/2018	03/12/2018	ISM02.4_CN



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

Report of Analysis

Client:		Date Collected:	3/6/2018 12:00:00 AM
Project:	LB93822	Date Received:	3/7/2018 12:00:00 AM
Client Sample ID:	MF6F44	SDG No.:	LB93822
Lab Sample ID:	J1836-11	Matrix:	Solid
Level (low/med):	low	% Solid:	88

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0	U	1	0.12	0.014	0.55	mg/kg	03/09/2018	03/12/2018	ISM02.4_CN



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

Report of Analysis

Client:		Date Collected:	3/5/2018 12:00:00 AM
Project:	LB93822	Date Received:	3/7/2018 12:00:00 AM
Client Sample ID:	MF6F16	SDG No.:	LB93822
Lab Sample ID:	J1836-12	Matrix:	Solid
Level (low/med):	low	% Solid:	87.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.044	U	1	0.12	0.014	0.55	mg/kg	03/09/2018	03/12/2018	ISM02.4_CN



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

Report of Analysis

Client:		Date Collected:	3/5/2018 12:00:00 AM
Project:	LB93822	Date Received:	3/7/2018 12:00:00 AM
Client Sample ID:	MF6F17	SDG No.:	LB93822
Lab Sample ID:	J1836-13	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	U	1	0.12	0.014	0.55	mg/kg	03/09/2018	03/12/2018	ISM02.4_CN



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

Report of Analysis

Client:		Date Collected:	3/5/2018 12:00:00 AM
Project:	LB93822	Date Received:	3/7/2018 12:00:00 AM
Client Sample ID:	MF6F18	SDG No.:	LB93822
Lab Sample ID:	J1836-14	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	0.011	U	1	0.12	0.013	0.54	mg/kg	03/09/2018	03/12/2018	ISM02.4_CN



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

Report of Analysis

Client:		Date Collected:	3/5/2018 12:00:00 AM
Project:	LB93822	Date Received:	3/7/2018 12:00:00 AM
Client Sample ID:	MF6F20	SDG No.:	LB93822
Lab Sample ID:	J1836-17	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	0.043	U	1	0.12	0.013	0.53	mg/kg	03/09/2018	03/12/2018	ISM02.4_CN



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

Report of Analysis

Client:		Date Collected:	3/5/2018 12:00:00 AM
Project:	LB93822	Date Received:	3/7/2018 12:00:00 AM
Client Sample ID:	MF6F21	SDG No.:	LB93822
Lab Sample ID:	J1836-18	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	0.021	U	1	0.12	0.013	0.54	mg/kg	03/09/2018	03/12/2018	ISM02.4_CN



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

Report of Analysis

Client:		Date Collected:	3/5/2018 12:00:00 AM
Project:	LB93822	Date Received:	3/7/2018 12:00:00 AM
Client Sample ID:	MF6F24	SDG No.:	LB93822
Lab Sample ID:	J1836-19	Matrix:	Solid
Level (low/med):	low	% Solid:	86.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.001	U	1	0.13	0.014	0.57	mg/kg	03/09/2018	03/12/2018	ISM02.4_CN



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

Report of Analysis

Client:		Date Collected:	3/5/2018 12:00:00 AM
Project:	LB93822	Date Received:	3/7/2018 12:00:00 AM
Client Sample ID:	MF6F28	SDG No.:	LB93822
Lab Sample ID:	J1836-20	Matrix:	Solid
Level (low/med):	low	% Solid:	92.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.01	U	1	0.12	0.013	0.54	mg/kg	03/09/2018	03/12/2018	ISM02.4_CN



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

Report of Analysis

Client:		Date Collected:	3/5/2018 12:00:00 AM
Project:	LB93822	Date Received:	3/7/2018 12:00:00 AM
Client Sample ID:	MF6F29	SDG No.:	LB93822
Lab Sample ID:	J1836-21	Matrix:	Solid
Level (low/med):	low	% Solid:	85.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.023	U	1	0.13	0.014	0.58	mg/kg	03/09/2018	03/12/2018	ISM02.4_CN



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

Report of Analysis

Client:		Date Collected:	3/5/2018 12:00:00 AM
Project:	LB93822	Date Received:	3/7/2018 12:00:00 AM
Client Sample ID:	MF6F30	SDG No.:	LB93822
Lab Sample ID:	J1836-22	Matrix:	Solid
Level (low/med):	low	% Solid:	84.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0	U	1	0.13	0.014	0.58	mg/kg	03/09/2018	03/12/2018	ISM02.4_CN



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

Report of Analysis

Client:		Date Collected:	3/5/2018 12:00:00 AM
Project:	LB93822	Date Received:	3/7/2018 12:00:00 AM
Client Sample ID:	MF6F08	SDG No.:	LB93822
Lab Sample ID:	J1837-01	Matrix:	Solid
Level (low/med):	low	% Solid:	92

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.024	U	1	0.12	0.013	0.54	mg/kg	03/09/2018	03/12/2018	ISM02.4_CN



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

Report of Analysis

Client:		Date Collected:	3/5/2018 12:00:00 AM
Project:	LB93822	Date Received:	3/7/2018 12:00:00 AM
Client Sample ID:	MF6F09	SDG No.:	LB93822
Lab Sample ID:	J1837-02	Matrix:	Solid
Level (low/med):	low	% Solid:	91.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.14	J	1	0.12	0.014	0.54	mg/kg	03/09/2018	03/12/2018	ISM02.4_CN



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

Report of Analysis

Client:		Date Collected:	3/5/2018 12:00:00 AM
Project:	LB93822	Date Received:	3/7/2018 12:00:00 AM
Client Sample ID:	MF6F10	SDG No.:	LB93822
Lab Sample ID:	J1837-03	Matrix:	Solid
Level (low/med):	low	% Solid:	84

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.52	J	1	0.13	0.014	0.57	mg/kg	03/09/2018	03/12/2018	ISM02.4_CN



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

Report of Analysis

Client:		Date Collected:	3/5/2018 12:00:00 AM
Project:	LB93822	Date Received:	3/7/2018 12:00:00 AM
Client Sample ID:	MF6F12	SDG No.:	LB93822
Lab Sample ID:	J1837-04	Matrix:	Solid
Level (low/med):	low	% Solid:	92.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.017	U	1	0.12	0.013	0.53	mg/kg	03/09/2018	03/12/2018	ISM02.4_CN



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

Report of Analysis

Client:		Date Collected:	3/5/2018 12:00:00 AM
Project:	LB93822	Date Received:	3/7/2018 12:00:00 AM
Client Sample ID:	MF6F13	SDG No.:	LB93822
Lab Sample ID:	J1837-07	Matrix:	Solid
Level (low/med):	low	% Solid:	92

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0	U	1	0.12	0.013	0.53	mg/kg	03/09/2018	03/12/2018	ISM02.4_CN



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

Report of Analysis

Client:		Date Collected:	3/5/2018 12:00:00 AM
Project:	LB93822	Date Received:	3/7/2018 12:00:00 AM
Client Sample ID:	MF6F14	SDG No.:	LB93822
Lab Sample ID:	J1837-08	Matrix:	Solid
Level (low/med):	low	% Solid:	91

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.034	U	1	0.12	0.014	0.54	mg/kg	03/09/2018	03/12/2018	ISM02.4_CN



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

Report of Analysis

Client:		Date Collected:	3/5/2018 12:00:00 AM
Project:	LB93822	Date Received:	3/7/2018 12:00:00 AM
Client Sample ID:	MF6F15	SDG No.:	LB93822
Lab Sample ID:	J1837-09	Matrix:	Solid
Level (low/med):	low	% Solid:	87.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0	U	1	0.12	0.014	0.54	mg/kg	03/09/2018	03/12/2018	ISM02.4_CN



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

Report of Analysis

Client:		Date Collected:	3/5/2018 12:00:00 AM
Project:	LB93822	Date Received:	3/7/2018 12:00:00 AM
Client Sample ID:	MF6F33	SDG No.:	LB93822
Lab Sample ID:	J1837-10	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	U	1	0.12	0.014	0.54	mg/kg	03/09/2018	03/12/2018	ISM02.4_CN



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

Report of Analysis

Client:		Date Collected:	3/5/2018 12:00:00 AM
Project:	LB93822	Date Received:	3/7/2018 12:00:00 AM
Client Sample ID:	MF6F34	SDG No.:	LB93822
Lab Sample ID:	J1837-11	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	0.076	U	1	0.11	0.013	0.52	mg/kg	03/09/2018	03/12/2018	ISM02.4_CN



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

Report of Analysis

Client:		Date Collected:	3/5/2018 12:00:00 AM
Project:	LB93822	Date Received:	3/7/2018 12:00:00 AM
Client Sample ID:	MF6F35	SDG No.:	LB93822
Lab Sample ID:	J1837-12	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	0.1	U	1	0.12	0.014	0.55	mg/kg	03/09/2018	03/12/2018	ISM02.4_CN

Report of Analysis

Client:		Date Collected:	3/5/2018 12:00:00 AM
Project:	LB93822	Date Received:	3/7/2018 12:00:00 AM
Client Sample ID:	MF6F48	SDG No.:	LB93822
Lab Sample ID:	J1837-13	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	U	1	0.12	0.013	0.54	mg/kg	03/09/2018	03/12/2018	ISM02.4_CN

Report of Analysis

Client:		Date Collected:	3/5/2018 12:00:00 AM
Project:	LB93822	Date Received:	3/7/2018 12:00:00 AM
Client Sample ID:	MF6F49	SDG No.:	LB93822
Lab Sample ID:	J1837-14	Matrix:	Solid
Level (low/med):	low	% Solid:	88.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0	U	1	0.12	0.014	0.56	mg/kg	03/09/2018	03/12/2018	ISM02.4_CN



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

Report of Analysis

Client:		Date Collected:	3/5/2018 12:00:00 AM
Project:	LB93822	Date Received:	3/7/2018 12:00:00 AM
Client Sample ID:	MF6F32	SDG No.:	LB93822
Lab Sample ID:	J1837-15	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	U	1	0.13	0.014	0.58	mg/kg	03/09/2018	03/12/2018	ISM02.4_CN



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

Report of Analysis

Client:		Date Collected:	3/6/2018 12:00:00 AM
Project:	LB93822	Date Received:	3/7/2018 12:00:00 AM
Client Sample ID:	MF6F51	SDG No.:	LB93822
Lab Sample ID:	J1837-16	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	U	1	2.1	5	10	ug/L	03/09/2018	03/12/2018	ISM02.4_CN



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

Report of Analysis

Client:		Date Collected:	3/6/2018 12:00:00 AM
Project:	LB93822	Date Received:	3/7/2018 12:00:00 AM
Client Sample ID:	MF6F52	SDG No.:	LB93822
Lab Sample ID:	J1837-17	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	3.1	J	1	2.1	5	10	ug/L	03/09/2018	03/12/2018	ISM02.4_CN



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

Report of Analysis

Client:		Date Collected:	3/5/2018 12:00:00 AM
Project:	LB93822	Date Received:	3/7/2018 12:00:00 AM
Client Sample ID:	MF6F36	SDG No.:	LB93822
Lab Sample ID:	J1837-18	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	U	1	0.12	0.013	0.54	mg/kg	03/09/2018	03/12/2018	ISM02.4_CN



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

Report of Analysis

Client:		Date Collected:	3/5/2018 12:00:00 AM
Project:	LB93822	Date Received:	3/7/2018 12:00:00 AM
Client Sample ID:	MF6F47	SDG No.:	LB93822
Lab Sample ID:	J1837-19	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	0.052	U	1	0.12	0.013	0.52	mg/kg	03/09/2018	03/12/2018	ISM02.4_CN



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

Report of Analysis

Client:		Date Collected:	3/5/2018 12:00:00 AM
Project:	LB93822	Date Received:	3/7/2018 12:00:00 AM
Client Sample ID:	MF6F47	SDG No.:	LB93822
Lab Sample ID:	J1837-19	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.
-----	-----------	-------	------	----	-----	-----	------------	-------	-----------	-----------	----------

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

**Metals
- 13 -**

SAMPLE PREPARATION SUMMARY

Client: <u>LB93822</u>	SDG No.: <u>LB93822</u>	
Contract: _____	Lab Code: <u>CHEM</u>	Method: _____
	Case No.: <u>LB93822</u>	SAS No.: <u>LB93822</u>

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB107219							
PB107219BL	PBS006	MB	SOLID	03/12/2018	1.03	50.0	100.00
J1836-01	MF6F00	SAM	SOLID	03/12/2018	1.00	50.0	90.30
J1836-02	MF6F01	SAM	SOLID	03/12/2018	1.01	50.0	89.00
J1836-03	MF6F02	SAM	SOLID	03/12/2018	1.05	50.0	86.10
J1836-04	MF6F03	SAM	SOLID	03/12/2018	1.03	50.0	81.10
J1836-05	MF6F04	SAM	SOLID	03/12/2018	1.04	50.0	92.50
J1836-06	MF6F05	SAM	SOLID	03/12/2018	1.02	50.0	89.80
J1836-07	MF6F40	SAM	SOLID	03/12/2018	1.01	50.0	84.30
J1836-08	MF6F41	SAM	SOLID	03/12/2018	1.05	50.0	90.90
J1836-09	MF6F42	SAM	SOLID	03/12/2018	1.03	50.0	89.70
J1836-10	MF6F43	SAM	SOLID	03/12/2018	1.05	50.0	88.00
J1836-11	MF6F44	SAM	SOLID	03/12/2018	1.03	50.0	88.00
J1836-12	MF6F16	SAM	SOLID	03/12/2018	1.04	50.0	87.50
J1836-13	MF6F17	SAM	SOLID	03/12/2018	1.02	50.0	89.20
J1836-14	MF6F18	SAM	SOLID	03/12/2018	1.02	50.0	91.20
J1836-15	MF6F18D	DUP	SOLID	03/12/2018	1.00	50.0	91.20
J1836-16	MF6F18S	MS	SOLID	03/12/2018	1.01	50.0	91.20
J1836-17	MF6F20	SAM	SOLID	03/12/2018	1.06	50.0	89.10
J1836-18	MF6F21	SAM	SOLID	03/12/2018	1.04	50.0	89.60
J1836-19	MF6F24	SAM	SOLID	03/12/2018	1.02	50.0	86.30
J1836-20	MF6F28	SAM	SOLID	03/12/2018	1.00	50.0	92.70
J1836-21	MF6F29	SAM	SOLID	03/12/2018	1.01	50.0	85.90
J1836-22	MF6F30	SAM	SOLID	03/12/2018	1.03	50.0	84.10



Metals
- 13 -

SAMPLE PREPARATION SUMMARY

Client:	<u>LB93822</u>	SDG No.:	<u>LB93822</u>
Contract:	<u> </u>	Lab Code:	<u>CHEM</u>
		Method:	<u> </u>
		Case No.:	<u>LB93822</u>
		SAS No.:	<u>LB93822</u>

						Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Sample ID	Client ID	Sample Type	Matrix	Prep Date				
Batch Number: PB107222								
PB107222BL	PBW005	MB	WATER	03/12/2018		50.0	50.0	
J1837-16	MF6F51	SAM	WATER	03/12/2018		50.0	50.0	
J1837-17	MF6F52	SAM	WATER	03/12/2018		50.0	50.0	

**Metals
- 13 -**

SAMPLE PREPARATION SUMMARY

Client: <u>LB93822</u>	SDG No.: <u>LB93822</u>	
Contract: _____	Lab Code: <u>CHEM</u>	Method: _____
	Case No.: <u>LB93822</u>	SAS No.: <u>LB93822</u>

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB107223							
PB107223BL	PBS006	MB	SOLID	03/12/2018	1.02	50.0	100.00
J1837-01	MF6F08	SAM	SOLID	03/12/2018	1.01	50.0	92.00
J1837-02	MF6F09	SAM	SOLID	03/12/2018	1.01	50.0	91.10
J1837-03	MF6F10	SAM	SOLID	03/12/2018	1.05	50.0	84.00
J1837-04	MF6F12	SAM	SOLID	03/12/2018	1.02	50.0	92.10
J1837-05	MF6F12D	DUP	SOLID	03/12/2018	1.03	50.0	92.10
J1837-06	MF6F12S	MS	SOLID	03/12/2018	1.04	50.0	92.10
J1837-07	MF6F13	SAM	SOLID	03/12/2018	1.02	50.0	92.00
J1837-08	MF6F14	SAM	SOLID	03/12/2018	1.01	50.0	91.00
J1837-09	MF6F15	SAM	SOLID	03/12/2018	1.05	50.0	87.70
J1837-10	MF6F33	SAM	SOLID	03/12/2018	1.03	50.0	89.80
J1837-11	MF6F34	SAM	SOLID	03/12/2018	1.05	50.0	91.90
J1837-12	MF6F35	SAM	SOLID	03/12/2018	1.03	50.0	89.00
J1837-13	MF6F48	SAM	SOLID	03/12/2018	1.04	50.0	89.20
J1837-14	MF6F49	SAM	SOLID	03/12/2018	1.02	50.0	88.40
J1837-15	MF6F32	SAM	SOLID	03/12/2018	1.00	50.0	86.40
J1837-18	MF6F36	SAM	SOLID	03/12/2018	1.01	50.0	92.20
J1837-19	MF6F47	SAM	SOLID	03/12/2018	1.06	50.0	90.20

FORM 15-IN
INITIAL CALIBRATION

Lab Name: LB93822 Contract: _____
Lab Code: CHEM Case No.: LB93822 MA No.: _____ SDG No.: LB93822
Instrument ID: CN Start Date: 03/12/2018
Analytical Method: _____ Run Batch: LB93822.mdb
Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Cyanide	0	0	0	5	4.3	-14	10	9.8	-2

FORM 15-IN
INITIAL CALIBRATION

Lab Name: LB93822 Contract: _____
Lab Code: CHEM Case No.: LB93822 MA No.: _____ SDG No.: LB93822
Instrument ID: CN Start Date: 03/12/2018
Analytical Method: _____ Run Batch: LB93822.mdb
Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Cyanide	100	99.7	0	250	253	1	500	498	0

Metals**- 2a -****INITIAL AND CONTINUING CALIBRATION VERIFICATION****Client:** LB93822**SDG No.:** LB93822**Contract:** _____ **Lab Code:** CHEM**Case No.:** LB93822**SAS No.:** LB93822**Initial Calibration Source:** _____**Continuing Calibration Source:** _____

Sample ID	Analyte	Result	True Value	% Recovery	% RSD	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
		ug/L								
ICV	Cyanide	94.5	99	95	0	85 - 115	CN	03/12/2018	09:36	LB93822



Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB93822

SDG No.: LB93822

Contract: _____ Lab Code: CHEM

Case No.: LB93822

SAS No.: LB93822

Initial Calibration Source: _____

Continuing Calibration Source: _____

Sample ID	Analyte	Result ug/L	True Value	% Recovery	% RSD	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV001	Cyanide	242	250	97	0	85 - 115	CN	03/12/2018	09:36	LB93822
CCV002	Cyanide	252	250	101	0	85 - 115	CN	03/12/2018	10:04	LB93822



Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB93822 **SDG No.:** LB93822
Contract: **Lab Code:** CHEM **Case No.:** LB93822 **SAS No.:** LB93822

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB	Cyanide	2.1	+/-10.0	U	5.0	10.0	CN	03/12/2018	09:36	LB93822



Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB93822

SDG No.: LB93822

Contract:

Lab Code: CHEM

Case No.: LB93822

SAS No.: LB93822

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB001	Cyanide	0.03	+/-10.0	U	5.0	10.0	CN	03/12/2018	09:36	LB93822
CCB002	Cyanide	0.18	+/-10.0	U	5.0	10.0	CN	03/12/2018	10:04	LB93822



Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB93822

SDG No.: LB93822

Contract: Lab Code: CHEM

Case No.: LB93822

SAS No.: LB93822

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

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: LB93822

SDG No.: LB93822

Instrument: CN

Sample ID	Analyte	Result (mg/kg)	Acceptance Limit	Conc Qual	LOD mg/kg	CRQL mg/kg	M	Analysis Date	Analysis Time	Run
PB107219BL		SOLID		Batch Number:		PB107219		Prep Date:	03/09/2018	
	Cyanide	0.11	<0.49	U	0.012	0.49	CN	03/12/2018	09:51	LB93822
Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	LOD ug/L	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB107222BL		WATER		Batch Number:		PB107222		Prep Date:	03/09/2018	
	Cyanide	2.1	<10	U	5.0	10	CN	03/12/2018	10:04	LB93822
Sample ID	Analyte	Result (mg/kg)	Acceptance Limit	Conc Qual	LOD mg/kg	CRQL mg/kg	M	Analysis Date	Analysis Time	Run
PB107223BL		SOLID		Batch Number:		PB107223		Prep Date:	03/09/2018	
	Cyanide	0.11	<0.49	U	0.012	0.49	CN	03/12/2018	09:36	LB93822



metals
- 5a -
MATRIX SPIKE SUMMARY

client: LB93822 level: low sdg no.: LB93822
contract: lab code: CHEM case no.: LB93822 sas no.: LB93822
matrix: Solid sample id: J1836-14 client id: MF6F18S
Percent Solids for Sample: 91.2 Spiked ID: J1836-16 Percent Solids for Spike Sample: 91.2

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/kg	75 - 125	4.3		0.54	U	5.4	80		CN



metals
- 5a -
MATRIX SPIKE SUMMARY

client: LB93822 level: low sdg no.: LB93822
contract: lab code: CHEM case no.: LB93822 sas no.: LB93822
matrix: Solid sample id: J1837-04 client id: MF6F12S
Percent Solids for Sample: 92.1 Spiked ID: J1837-06 Percent Solids for Spike Sample: 92.1

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/kg	75 - 125	4.1		0.53	U	5.2	79		CN

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB93822 **Level:** LOW **SDG No.:** LB93822
Contract: **Lab Code:** CHEM **Case No.:** LB93822 **SAS No.:** LB93822
Matrix: Solid **Sample ID:** J1836-14 **Client ID:** MF6F18D
Percent Solids for Sample: 91.2 **Duplicate ID** J1836-15 **Percent Solids for Spike Sample:** 91.2

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/kg	20	0.54	U	0.021	U			CN

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB93822 **Level:** LOW **SDG No.:** LB93822
Contract: **Lab Code:** CHEM **Case No.:** LB93822 **SAS No.:** LB93822
Matrix: Solid **Sample ID:** J1837-04 **Client ID:** MF6F12D
Percent Solids for Sample: 92.1 **Duplicate ID** J1837-05 **Percent Solids for Spike Sample:** 92.1

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/kg	20	0.53	U	0.08	U			CN