

Daily Analysis Runlog For Sequence/QC Batch ID # LB86624

Review By		Review On				
SubDirectory		LB86624		Test : Cyanide		

STD. NAME	STD REF.#
ICAL Standard	WP53811,WP53810,WP53809,WP53808,WP53807,WP53805
ICV Standard	WP53812
CCV Standard	WP53806
ICSA Standard	
CRI Standard	
LCS Standard	
Chk Standard	WP53827,WP50159,WP51626,WP51615

Sr#	SampleId	ClientID	QcType	Date	Comment	Status
1	S0.0	S0.0	CAL1	03/28/17 09:37		OK
2	S5.0	S5.0	CAL2	03/28/17 09:37		OK
3	S10.0	S10.0	CAL3	03/28/17 09:37		OK
4	S100.0	S100.0	CAL4	03/28/17 09:37		OK
5	S250.0	S250.0	CAL5	03/28/17 09:37		OK
6	S500.0	S500.0	CAL6	03/28/17 09:37		OK
7	ICV	ICV	ICV	03/28/17 10:32		OK
8	ICB	ICB	ICB	03/28/17 10:32		OK
9	CCV001	CCV001	CCV	03/28/17 10:32		OK
10	CCB001	CCB001	CCB	03/28/17 10:32		OK
11	PB97839BL	PBS006	MB	03/28/17 10:32		OK
12	I2404-01	MDACC4	SAM	03/28/17 10:32		OK
13	I2404-02	MDACC4D	DUP	03/28/17 10:32		OK
14	I2404-04	MDACC5	SAM	03/28/17 10:32		OK
15	I2404-05	MDACC6	SAM	03/28/17 10:32	Cn high	Dilution
16	I2404-06	MDACC7	SAM	03/28/17 10:32		OK
17	I2404-07	MDACC8	SAM	03/28/17 10:40		OK
18	I2404-08	MDACC9	SAM	03/28/17 10:40		OK
19	I2404-09	MDACD0	SAM	03/28/17 10:40		OK
20	I2404-10	MDACD1	SAM	03/28/17 10:40		OK
21	I2404-11	MDACD2	SAM	03/28/17 10:40		OK

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Review By			Review On			
SubDirectory		LB86624		Test : Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP53811,WP53810,WP53809,WP53808,WP53807,WP53805				
ICV Standard		WP53812				
CCV Standard		WP53806				
ICSA Standard						
CRI Standard						
LCS Standard						
Chk Standard		WP53827,WP50159,WP51626,WP51615				
22	I2404-12	MDACD3	SAM	03/28/17 10:40		OK
23	I2404-13	MDACD4	SAM	03/28/17 10:40		OK
24	I2404-14	MDACE7	SAM	03/28/17 10:40		OK
25	I2404-15	MDACE8	SAM	03/28/17 10:40		OK
26	I2404-16	MDACE9	SAM	03/28/17 10:40		OK
27	I2404-17	MDACF0	SAM	03/28/17 10:40		OK
28	I2404-03	MDACC4S	MS	03/28/17 10:47		OK
29	I2404-19	MDACC2	SAM	03/28/17 10:47		OK
30	PB97850BL	PBW005	MB	03/28/17 10:47		OK
31	I2408-01	MDACF1	SAM	03/28/17 10:47		OK
32	I2408-02	MDACF1D	DUP	03/28/17 10:47		OK
33	I2408-04	MDACF2	SAM	03/28/17 10:47		OK
34	I2408-05	MDACF3	SAM	03/28/17 10:47		OK
35	I2408-06	MDACF4	SAM	03/28/17 10:47		OK
36	I2408-07	MDACF5	SAM	03/28/17 10:47		OK
37	I2408-08	MDACF6	SAM	03/28/17 10:55	Cn high	Dilution
38	I2408-09	MDACF7	SAM	03/28/17 10:55		OK
39	I2408-10	MDACG3	SAM	03/28/17 10:55		OK
40	I2408-11	MDACG4	SAM	03/28/17 10:55		OK
41	I2408-03	MDACF1S	MS	03/28/17 10:55		OK
42	I2408-12	MDACB8	SAM	03/28/17 10:55		OK
43	I2408-13	MDACB9	SAM	03/28/17 10:55		OK

Daily Analysis Runlog For Sequence/QC Batch ID # LB86624

Review By		Review On				
SubDirectory		LB86624		Test : Cyanide		
STD. NAME		STD REF.#				
ICAL Standard		WP53811,WP53810,WP53809,WP53808,WP53807,WP53805				
ICV Standard		WP53812				
CCV Standard		WP53806				
ICSA Standard						
CRI Standard						
LCS Standard						
Chk Standard		WP53827,WP50159,WP51626,WP51615				
44	CCV002	CCV002	CCV	03/28/17 10:55		OK
45	CCB002	CCB002	CCB	03/28/17 10:59		OK
46	I2404-05DL	MDACC6	SAM	03/28/17 11:51	10X for Cn	Confirms
47	I2408-08DL	MDACF6	SAM	03/28/17 11:51	2X for Cn	Confirms
48	CCV003	CCV003	CCV	03/28/17 11:51		OK
49	CCB003	CCB003	CCB	03/28/17 11:51		OK



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Report of Analysis

Client:		Date Collected:	3/21/2017 12:00:00 AM
Project:	LB86624	Date Received:	3/24/2017 12:00:00 AM
Client Sample ID:	MDACC4	SDG No.:	LB86624
Lab Sample ID:	I2404-01	Matrix:	Solid
Level (low/med):	low	% Solid:	76.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.037	U	1	0.069	0.016	0.63	mg/kg	03/27/2017	03/28/2017	ISM02.2_CN



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Report of Analysis

Client:		Date Collected:	3/21/2017 12:00:00 AM
Project:	LB86624	Date Received:	3/24/2017 12:00:00 AM
Client Sample ID:	MDACC5	SDG No.:	LB86624
Lab Sample ID:	I2404-04	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	0.17	J	1	0.062	0.014	0.56	mg/kg	03/27/2017	03/28/2017	ISM02.2_CN



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Report of Analysis

Client:		Date Collected:	3/21/2017 12:00:00 AM
Project:	LB86624	Date Received:	3/24/2017 12:00:00 AM
Client Sample ID:	MDACC6	SDG No.:	LB86624
Lab Sample ID:	I2404-05	Matrix:	Solid
Level (low/med):	low	% Solid:	84.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	156	OR	1	0.061	0.014	0.56	mg/kg	03/27/2017	03/28/2017	ISM02.2_CN



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Report of Analysis

Client:		Date Collected:	3/21/2017 12:00:00 AM
Project:	LB86624	Date Received:	3/24/2017 12:00:00 AM
Client Sample ID:	MDACC6	SDG No.:	LB86624
Lab Sample ID:	I2404-05DL	Matrix:	Solid
Level (low/med):	low	% Solid:	84.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	158	D	10	0.61	0.139	5.6	mg/kg	03/27/2017	03/28/2017	ISM02.2_CN



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Report of Analysis

Client:		Date Collected:	3/21/2017 12:00:00 AM
Project:	LB86624	Date Received:	3/24/2017 12:00:00 AM
Client Sample ID:	MDACC7	SDG No.:	LB86624
Lab Sample ID:	I2404-06	Matrix:	Solid
Level (low/med):	low	% Solid:	75.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	2.2		1	0.069	0.016	0.63	mg/kg	03/27/2017	03/28/2017	ISM02.2_CN



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Report of Analysis

Client:		Date Collected:	3/21/2017 12:00:00 AM
Project:	LB86624	Date Received:	3/24/2017 12:00:00 AM
Client Sample ID:	MDACC8	SDG No.:	LB86624
Lab Sample ID:	I2404-07	Matrix:	Solid
Level (low/med):	low	% Solid:	81.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	4.8		1	0.065	0.015	0.59	mg/kg	03/27/2017	03/28/2017	ISM02.2_CN



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Report of Analysis

Client:		Date Collected:	3/21/2017 12:00:00 AM
Project:	LB86624	Date Received:	3/24/2017 12:00:00 AM
Client Sample ID:	MDACC9	SDG No.:	LB86624
Lab Sample ID:	I2404-08	Matrix:	Solid
Level (low/med):	low	% Solid:	83.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	3.1		1	0.064	0.014	0.58	mg/kg	03/27/2017	03/28/2017	ISM02.2_CN



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Report of Analysis

Client:		Date Collected:	3/21/2017 12:00:00 AM
Project:	LB86624	Date Received:	3/24/2017 12:00:00 AM
Client Sample ID:	MDACD0	SDG No.:	LB86624
Lab Sample ID:	I2404-09	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	0.5	J	1	0.058	0.013	0.53	mg/kg	03/27/2017	03/28/2017	ISM02.2_CN



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Report of Analysis

Client:		Date Collected:	3/21/2017 12:00:00 AM
Project:	LB86624	Date Received:	3/24/2017 12:00:00 AM
Client Sample ID:	MDACD1	SDG No.:	LB86624
Lab Sample ID:	I2404-10	Matrix:	Solid
Level (low/med):	low	% Solid:	71.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	17.7		1	0.075	0.017	0.68	mg/kg	03/27/2017	03/28/2017	ISM02.2_CN



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Report of Analysis

Client:		Date Collected:	3/21/2017 12:00:00 AM
Project:	LB86624	Date Received:	3/24/2017 12:00:00 AM
Client Sample ID:	MDACD2	SDG No.:	LB86624
Lab Sample ID:	I2404-11	Matrix:	Solid
Level (low/med):	low	% Solid:	72.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.31	J	1	0.075	0.017	0.68	mg/kg	03/27/2017	03/28/2017	ISM02.2_CN



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Report of Analysis

Client:		Date Collected:	3/22/2017 12:00:00 AM
Project:	LB86624	Date Received:	3/24/2017 12:00:00 AM
Client Sample ID:	MDACD3	SDG No.:	LB86624
Lab Sample ID:	I2404-12	Matrix:	Solid
Level (low/med):	low	% Solid:	73.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.5	J	1	0.072	0.016	0.65	mg/kg	03/27/2017	03/28/2017	ISM02.2_CN



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Report of Analysis

Client:		Date Collected:	3/22/2017 12:00:00 AM
Project:	LB86624	Date Received:	3/24/2017 12:00:00 AM
Client Sample ID:	MDACD4	SDG No.:	LB86624
Lab Sample ID:	I2404-13	Matrix:	Solid
Level (low/med):	low	% Solid:	82.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.03	U	1	0.063	0.014	0.57	mg/kg	03/27/2017	03/28/2017	ISM02.2_CN



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Report of Analysis

Client:		Date Collected:	3/22/2017 12:00:00 AM
Project:	LB86624	Date Received:	3/24/2017 12:00:00 AM
Client Sample ID:	MDACE7	SDG No.:	LB86624
Lab Sample ID:	I2404-14	Matrix:	Solid
Level (low/med):	low	% Solid:	86.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.001	U	1	0.06	0.014	0.54	mg/kg	03/27/2017	03/28/2017	ISM02.2_CN



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Report of Analysis

Client:		Date Collected:	3/22/2017 12:00:00 AM
Project:	LB86624	Date Received:	3/24/2017 12:00:00 AM
Client Sample ID:	MDACE8	SDG No.:	LB86624
Lab Sample ID:	I2404-15	Matrix:	Solid
Level (low/med):	low	% Solid:	85.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.98		1	0.062	0.014	0.56	mg/kg	03/27/2017	03/28/2017	ISM02.2_CN



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Report of Analysis

Client:		Date Collected:	3/21/2017 12:00:00 AM
Project:	LB86624	Date Received:	3/24/2017 12:00:00 AM
Client Sample ID:	MDACE9	SDG No.:	LB86624
Lab Sample ID:	I2404-16	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	16.6		1	0.064	0.015	0.59	mg/kg	03/27/2017	03/28/2017	ISM02.2_CN



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Report of Analysis

Client:		Date Collected:	3/21/2017 12:00:00 AM
Project:	LB86624	Date Received:	3/24/2017 12:00:00 AM
Client Sample ID:	MDACF0	SDG No.:	LB86624
Lab Sample ID:	I2404-17	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	0.31	J	1	0.062	0.014	0.56	mg/kg	03/27/2017	03/28/2017	ISM02.2_CN



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Report of Analysis

Client:		Date Collected:	3/21/2017 12:00:00 AM
Project:	LB86624	Date Received:	3/22/2017 12:00:00 AM
Client Sample ID:	MDACC2	SDG No.:	LB86624
Lab Sample ID:	I2404-19	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	0.98		1	0.053	0.012	0.49	mg/kg	03/27/2017	03/28/2017	ISM02.2_CN



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Report of Analysis

Client:		Date Collected:	3/22/2017 12:00:00 AM
Project:	LB86624	Date Received:	3/24/2017 12:00:00 AM
Client Sample ID:	MDACF1	SDG No.:	LB86624
Lab Sample ID:	I2408-01	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	6.3	J	1	1.5	5	10	ug/L	03/27/2017	03/28/2017	ISM02.2_CN



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Report of Analysis

Client:		Date Collected:	3/22/2017 12:00:00 AM
Project:	LB86624	Date Received:	3/24/2017 12:00:00 AM
Client Sample ID:	MDACF2	SDG No.:	LB86624
Lab Sample ID:	I2408-04	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	113		1	1.5	5	10	ug/L	03/27/2017	03/28/2017	ISM02.2_CN



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Report of Analysis

Client:		Date Collected:	3/22/2017 12:00:00 AM
Project:	LB86624	Date Received:	3/24/2017 12:00:00 AM
Client Sample ID:	MDACF3	SDG No.:	LB86624
Lab Sample ID:	I2408-05	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	0.31	U	1	1.5	5	10	ug/L	03/27/2017	03/28/2017	ISM02.2_CN



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Report of Analysis

Client:		Date Collected:	3/22/2017 12:00:00 AM
Project:	LB86624	Date Received:	3/24/2017 12:00:00 AM
Client Sample ID:	MDACF4	SDG No.:	LB86624
Lab Sample ID:	I2408-06	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	97.6		1	1.5	5	10	ug/L	03/27/2017	03/28/2017	ISM02.2_CN



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Report of Analysis

Client:		Date Collected:	3/22/2017 12:00:00 AM
Project:	LB86624	Date Received:	3/24/2017 12:00:00 AM
Client Sample ID:	MDACF5	SDG No.:	LB86624
Lab Sample ID:	I2408-07	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	1.5	5	10	ug/L	03/27/2017	03/28/2017	ISM02.2_CN



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Report of Analysis

Client:		Date Collected:	3/22/2017 12:00:00 AM
Project:	LB86624	Date Received:	3/24/2017 12:00:00 AM
Client Sample ID:	MDACF6	SDG No.:	LB86624
Lab Sample ID:	I2408-08	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	665	OR	1	1.5	5	10	ug/L	03/27/2017	03/28/2017	ISM02.2_CN



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Report of Analysis

Client:		Date Collected:	3/22/2017 12:00:00 AM
Project:	LB86624	Date Received:	3/24/2017 12:00:00 AM
Client Sample ID:	MDACF6	SDG No.:	LB86624
Lab Sample ID:	I2408-08DL	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	706	D	2	3	10	20	ug/L	03/27/2017	03/28/2017	ISM02.2_CN



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Report of Analysis

Client:		Date Collected:	3/22/2017 12:00:00 AM
Project:	LB86624	Date Received:	3/24/2017 12:00:00 AM
Client Sample ID:	MDACF7	SDG No.:	LB86624
Lab Sample ID:	I2408-09	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	74.3		1	1.5	5	10	ug/L	03/27/2017	03/28/2017	ISM02.2_CN



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Report of Analysis

Client:		Date Collected:	3/22/2017 12:00:00 AM
Project:	LB86624	Date Received:	3/24/2017 12:00:00 AM
Client Sample ID:	MDACG3	SDG No.:	LB86624
Lab Sample ID:	I2408-10	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	1.7	J	1	1.5	5	10	ug/L	03/27/2017	03/28/2017	ISM02.2_CN



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Report of Analysis

Client:		Date Collected:	3/22/2017 12:00:00 AM
Project:	LB86624	Date Received:	3/24/2017 12:00:00 AM
Client Sample ID:	MDACG4	SDG No.:	LB86624
Lab Sample ID:	I2408-11	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	2.1	J	1	1.5	5	10	ug/L	03/27/2017	03/28/2017	ISM02.2_CN



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Report of Analysis

Client:		Date Collected:	3/21/2017 12:00:00 AM
Project:	LB86624	Date Received:	3/22/2017 12:00:00 AM
Client Sample ID:	MDACB8	SDG No.:	LB86624
Lab Sample ID:	I2408-12	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	95.8		1	1.5	5	10	ug/L	03/27/2017	03/28/2017	ISM02.2_CN



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Report of Analysis

Client:		Date Collected:	3/21/2017 12:00:00 AM
Project:	LB86624	Date Received:	3/22/2017 12:00:00 AM
Client Sample ID:	MDACB9	SDG No.:	LB86624
Lab Sample ID:	I2408-13	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	40.6		1	1.5	5	10	ug/L	03/27/2017	03/28/2017	ISM02.2_CN



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

Report of Analysis

Client:		Date Collected:	3/21/2017 12:00:00 AM
Project:	LB86624	Date Received:	3/22/2017 12:00:00 AM
Client Sample ID:	MDACB9	SDG No.:	LB86624
Lab Sample ID:	I2408-13	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



Hit Summary Sheet
SW-846

SDG No.: LB86624

Order ID: LB86624

Client: LB86624

Project ID: LB86624

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID : I2404-04	MDACC5 MDACC5	Solid	Cyanide	0.170	J	0.062	0.28	0.56	mg/kg
Client ID : I2404-05	MDACC6 MDACC6	Solid	Cyanide	156.000	OR	0.061	0.28	0.56	mg/kg
Client ID : I2404-05DL	MDACC6 MDACC6	Solid	Cyanide	158.000	D	0.61	2.8	5.6	mg/kg
Client ID : I2404-06	MDACC7 MDACC7	Solid	Cyanide	2.200		0.069	0.315	0.63	mg/kg
Client ID : I2404-07	MDACC8 MDACC8	Solid	Cyanide	4.800		0.065	0.295	0.59	mg/kg
Client ID : I2404-08	MDACC9 MDACC9	Solid	Cyanide	3.100		0.064	0.29	0.58	mg/kg
Client ID : I2404-09	MDACD0 MDACD0	Solid	Cyanide	0.500	J	0.058	0.265	0.53	mg/kg
Client ID : I2404-10	MDACD1 MDACD1	Solid	Cyanide	17.700		0.075	0.34	0.68	mg/kg
Client ID : I2404-11	MDACD2 MDACD2	Solid	Cyanide	0.310	J	0.075	0.34	0.68	mg/kg
Client ID : I2404-12	MDACD3 MDACD3	Solid	Cyanide	0.500	J	0.072	0.325	0.65	mg/kg
Client ID : I2404-15	MDACE8 MDACE8	Solid	Cyanide	0.980		0.062	0.28	0.56	mg/kg
Client ID : I2404-16	MDACE9 MDACE9	Solid	Cyanide	16.600		0.064	0.295	0.59	mg/kg
Client ID : I2404-17	MDACF0 MDACF0	Solid	Cyanide	0.310	J	0.062	0.28	0.56	mg/kg
Client ID : I2404-19	MDACC2 MDACC2	Solid	Cyanide	0.980		0.053	0.245	0.49	mg/kg
Client ID : I2408-01	MDACF1 MDACF1	WATER	Cyanide	6.300	J	1.5	5	10	ug/L



Hit Summary Sheet
SW-846

SDG No.: LB86624

Client: LB86624

Order ID: LB86624

Project ID: LB86624

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID : I2408-04	MDACF2 MDACF2	WATER	Cyanide	113.000		1.5	5	10	ug/L
Client ID : I2408-06	MDACF4 MDACF4	WATER	Cyanide	97.600		1.5	5	10	ug/L
Client ID : I2408-08	MDACF6 MDACF6	WATER	Cyanide	665.000	OR	1.5	5	10	ug/L
Client ID : I2408-08DL	MDACF6 MDACF6	WATER	Cyanide	706.000	D	3	10	20	ug/L
Client ID : I2408-09	MDACF7 MDACF7	WATER	Cyanide	74.300		1.5	5	10	ug/L
Client ID : I2408-10	MDACG3 MDACG3	WATER	Cyanide	1.700	J	1.5	5	10	ug/L
Client ID : I2408-11	MDACG4 MDACG4	WATER	Cyanide	2.100	J	1.5	5	10	ug/L
Client ID : I2408-12	MDACB8 MDACB8	WATER	Cyanide	95.800		1.5	5	10	ug/L
Client ID : I2408-13	MDACB9 MDACB9	WATER	Cyanide	40.600		1.5	5	10	ug/L

**Metals
- 13 -**

SAMPLE PREPARATION SUMMARY

Client: <u>LB86624</u>	SDG No.: <u>LB86624</u>	
Contract: _____	Lab Code: <u>CHEM</u>	Method: _____
	Case No.: <u>LB86624</u>	SAS No.: <u>LB86624</u>

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB97839							
PB97839BL	PBS006	MB	SOLID	03/28/2017	1.00	50.0	100.00
I2404-01	MDACC4	SAM	SOLID	03/28/2017	1.04	50.0	76.50
I2404-02	MDACC4D	DUP	SOLID	03/28/2017	1.03	50.0	76.50
I2404-04	MDACC5	SAM	SOLID	03/28/2017	1.04	50.0	85.80
I2404-05	MDACC6	SAM	SOLID	03/28/2017	1.06	50.0	84.60
I2404-06	MDACC7	SAM	SOLID	03/28/2017	1.05	50.0	75.60
I2404-07	MDACC8	SAM	SOLID	03/28/2017	1.04	50.0	81.50
I2404-08	MDACC9	SAM	SOLID	03/28/2017	1.03	50.0	83.90
I2404-09	MDACD0	SAM	SOLID	03/28/2017	1.04	50.0	90.50
I2404-10	MDACD1	SAM	SOLID	03/28/2017	1.03	50.0	71.50
I2404-11	MDACD2	SAM	SOLID	03/28/2017	1.02	50.0	72.30
I2404-12	MDACD3	SAM	SOLID	03/28/2017	1.04	50.0	73.80
I2404-13	MDACD4	SAM	SOLID	03/28/2017	1.05	50.0	82.90
I2404-14	MDACE7	SAM	SOLID	03/28/2017	1.06	50.0	86.90
I2404-15	MDACE8	SAM	SOLID	03/28/2017	1.04	50.0	85.10
I2404-16	MDACE9	SAM	SOLID	03/28/2017	1.05	50.0	81.40
I2404-17	MDACF0	SAM	SOLID	03/28/2017	1.04	50.0	85.50
I2404-03	MDACC4S	MS	SOLID	03/28/2017	1.02	50.0	76.50
I2404-19	MDACC2	SAM	SOLID	03/28/2017	1.03	50.0	100.00
I2404-05DL	MDACC6	SAM	SOLID	03/28/2017	1.06	50.0	84.60

Metals
- 13 -

SAMPLE PREPARATION SUMMARY

Client: <u>LB86624</u>	SDG No.: <u>LB86624</u>	
Contract: _____	Lab Code: <u>CHEM</u>	Method: _____
	Case No.: <u>LB86624</u>	SAS No.: <u>LB86624</u>

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB97850							
PB97850BL	PBW005	MB	WATER	03/28/2017	50.0	50.0	
I2408-01	MDACF1	SAM	WATER	03/28/2017	50.0	50.0	
I2408-02	MDACF1D	DUP	WATER	03/28/2017	50.0	50.0	
I2408-04	MDACF2	SAM	WATER	03/28/2017	50.0	50.0	
I2408-05	MDACF3	SAM	WATER	03/28/2017	50.0	50.0	
I2408-06	MDACF4	SAM	WATER	03/28/2017	50.0	50.0	
I2408-07	MDACF5	SAM	WATER	03/28/2017	50.0	50.0	
I2408-08	MDACF6	SAM	WATER	03/28/2017	50.0	50.0	
I2408-09	MDACF7	SAM	WATER	03/28/2017	50.0	50.0	
I2408-10	MDACG3	SAM	WATER	03/28/2017	50.0	50.0	
I2408-11	MDACG4	SAM	WATER	03/28/2017	50.0	50.0	
I2408-03	MDACF1S	MS	WATER	03/28/2017	50.0	50.0	
I2408-12	MDACB8	SAM	WATER	03/28/2017	50.0	50.0	
I2408-13	MDACB9	SAM	WATER	03/28/2017	50.0	50.0	
I2408-08DL	MDACF6	SAM	WATER	03/28/2017	50.0	50.0	

FORM 15-IN
INITIAL CALIBRATION

Lab Name: LB86624 Contract: _____
Lab Code: CHEM Case No.: LB86624 MA No.: _____ SDG No.: LB86624
Instrument ID: CN Start Date: 03/28/2017
Analytical Method: _____ Run Batch: LB86624.mdb
Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Cyanide	0	0.13	0	5	4.0	-20	10	8.9	-11

FORM 15-IN
INITIAL CALIBRATION

Lab Name: LB86624 Contract: _____
Lab Code: CHEM Case No.: LB86624 MA No.: _____ SDG No.: LB86624
Instrument ID: CN Start Date: 03/28/2017
Analytical Method: _____ Run Batch: LB86624.mdb
Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Cyanide	100	100	0	250	254	2	500	498	0

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: **LB86624**

SDG No.: LB86624

Contract: _____ **Lab Code:** CHEM

Case No.: LB86624

SAS No.: LB86624

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	94.4	99	95	0	85 - 115	CN	03/28/2017	10:32	LB86624



Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB86624

SDG No.: LB86624

Contract: _____ Lab Code: CHEM

Case No.: LB86624

SAS No.: LB86624

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	238	250	95	0	85 - 115	CN	03/28/2017	10:32	LB86624
CCV002	Cyanide	244	250	98	0	85 - 115	CN	03/28/2017	10:55	LB86624
CCV003	Cyanide	252	250	101	0	85 - 115	CN	03/28/2017	11:51	LB86624



Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB86624 **SDG No.:** LB86624
Contract: **Lab Code:** CHEM **Case No.:** LB86624 **SAS No.:** LB86624

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB	Cyanide	1.5	+/-10.0	U	5.0	10.0	CN	03/28/2017	10:32	LB86624



Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB86624

SDG No.: LB86624

Contract:

Lab Code: CHEM

Case No.: LB86624

SAS No.: LB86624

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB001	Cyanide	1.5	+/-10.0	U	5.0	10.0	CN	03/28/2017	10:32	LB86624
CCB002	Cyanide	1.5	+/-10.0	U	5.0	10.0	CN	03/28/2017	10:59	LB86624
CCB003	Cyanide	1.5	+/-10.0	U	5.0	10.0	CN	03/28/2017	11:51	LB86624



Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB86624

SDG No.: LB86624

Contract:

Lab Code: CHEM

Case No.: LB86624

SAS No.: LB86624

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
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Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: LB86624

SDG No.: LB86624

Instrument: CN

Sample ID	Analyte	Result (mg/kg)	Acceptance Limit	Conc Qual	LOD mg/kg	CRQL mg/kg	M	Analysis Date	Analysis Time	Run
PB97839BL	SOLID		Batch Number:		PB97839		Prep Date:		03/27/2017	
	Cyanide	0.055	<0.5	U	0.013	0.5	CN	03/28/2017	10:32	LB86624
Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	LOD ug/L	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB97850BL	WATER		Batch Number:		PB97850		Prep Date:		03/27/2017	
	Cyanide	0.41	<10	U	5.0	10	CN	03/28/2017	10:47	LB86624



metals
- 5a -
MATRIX SPIKE SUMMARY

client: LB86624 level: low sdg no.: LB86624
contract: lab code: CHEM case no.: LB86624 sas no.: LB86624
matrix: Solid sample id: I2404-01 client id: MDACC4S
Percent Solids for Sample: 76.5 Spiked ID: I2404-03 Percent Solids for Spike Sample: 76.5

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/kg	75 - 125	5.3		0.63	U	6.4	83		CN



metals
- 5a -
MATRIX SPIKE SUMMARY

client: LB86624 level: low sdg no.: LB86624
contract: lab code: CHEM case no.: LB86624 sas no.: LB86624
matrix: WATER sample id: I2408-01 client id: MDACF1S
Percent Solids for Sample: 0 Spiked ID: I2408-03 Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	ug/L	75 - 125	84.7		6.3	J	100	78		CN

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB86624 **Level:** LOW **SDG No.:** LB86624
Contract: **Lab Code:** CHEM **Case No.:** LB86624 **SAS No.:** LB86624
Matrix: Solid **Sample ID:** I2404-01 **Client ID:** MDACC4D
Percent Solids for Sample: 76.5 **Duplicate ID** I2404-02 **Percent Solids for Spike Sample:** 76.5

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/kg	20	0.63	U		0	U		CN

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB86624 **Level:** LOW **SDG No.:** LB86624
Contract: **Lab Code:** CHEM **Case No.:** LB86624 **SAS No.:** LB86624
Matrix: WATER **Sample ID:** I2408-01 **Client ID:** MDACF1D
Percent Solids for Sample: 0 **Duplicate ID** I2408-02 **Percent Solids for Spike Sample:** 0

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	ug/L	20	6.3	J	6.2	J	2		CN