

Daily Analysis Runlog For Sequence/QC Batch ID # LB91441

Review By

SubDirectory

Review On

Test : TOC

LB91441

STD. NAME		STD REF.#				
ICAL Standard		WP59413,WP59414,WP59415,WP59416				
ICV Standard		WP59417				
CCV Standard		WP59414				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP59417				
Chk Standard		WP56303				

Sr#	SampleId	ClientID	QcType	Date	Comment	Status
1	BLANK	BLANK	CAL1	11/06/17 13:24		OK
2	250mg/l	250mg/l	CAL2	11/06/17 13:28		OK
3	500mg/l	500mg/l	CAL3	11/06/17 13:32		OK
4	1000mg/l	1000mg/l	CAL4	11/06/17 13:37		OK
5	2000mg/l	2000mg/l	CAL5	11/06/17 13:51		OK
6	ICV1	ICV1	ICV	11/06/17 13:56		OK
7	ICB1	ICB1	ICB	11/06/17 14:00		OK
8	CCV1	CCV1	CCV	11/08/17 13:17		OK
9	CCB1	CCB1	CCB	11/08/17 13:22		OK
10	LB91441BLS	LB91441BLS	MB	11/08/17 13:37		OK
11	LB91441BSS	LB91441BSS	LCS	11/08/17 13:45		OK
12	I6340-01	HL-1A	SAM	11/08/17 14:08		OK
13	I6340-01DUP	HL-1ADUP	DUP	11/08/17 14:12		OK
14	I6340-01MS	HL-1AMS	MS	11/08/17 14:57		OK
15	I6340-02	HL-1B	SAM	11/08/17 15:17		OK
16	I6340-03	HL-8A	SAM	11/08/17 15:31		OK
17	I6340-04	HL-8B	SAM	11/08/17 15:48		OK
18	I6340-05	HL-7A	SAM	11/08/17 16:05		OK
19	I6340-06	HL-7B	SAM	11/08/17 16:16		OK
20	CCV2	CCV2	CCV	11/08/17 16:21		OK
21	CCB2	CCB2	CCB	11/08/17 16:24		OK

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Review By		Review On				
SubDirectory		LB91441		Test : TOC		
STD. NAME		STD REF.#				
ICAL Standard		WP59413,WP59414,WP59415,WP59416				
ICV Standard		WP59417				
CCV Standard		WP59414				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP59417				
Chk Standard		WP56303				
22	I6340-07	HL-4A	SAM	11/08/17 16:38		OK
23	I6340-08	HL-4B	SAM	11/08/17 16:48		OK
24	I6340-09	HL-2A	SAM	11/08/17 17:08		OK
25	I6340-10	HL-2B	SAM	11/08/17 17:24		OK
26	I6340-11	HL-5A	SAM	11/08/17 17:37		OK
27	I6340-12	HL-5B	SAM	11/08/17 17:46		OK
28	I6340-13	HL-6A	SAM	11/08/17 17:56		OK
29	I6340-14	HL-6B	SAM	11/08/17 18:05		OK
30	I6340-16	HL-1C	SAM	11/08/17 18:11		OK
31	I6340-17	HL-8C	SAM	11/08/17 18:17		OK
32	CCV3	CCV3	CCV	11/08/17 18:23		OK
33	CCB3	CCB3	CCB	11/08/17 18:26		OK
34	CCV4	CCV4	CCV	11/09/17 09:38		OK
35	CCB4	CCB4	CCB	11/09/17 09:43		OK
36	LB91441BLS2	LB91441BLS2	MB	11/09/17 10:03		OK
37	LB91441BSS2	LB91441BSS2	LCS	11/09/17 10:12		OK
38	I6340-18	HL-7C	SAM	11/09/17 10:20		OK
39	I6340-19	HL-4C	SAM	11/09/17 10:26		OK
40	I6340-20	HL-2C	SAM	11/09/17 10:37		OK
41	I6340-20DUP	HL-2CDUP	DUP	11/09/17 10:47		OK
42	I6340-20MS	HL-2CMS	MS	11/09/17 10:54		OK
43	I6340-21	HL-5C	SAM	11/09/17 11:06		OK

Daily Analysis Runlog For Sequence/QC Batch ID # LB91441

Review By		Review On				
SubDirectory		LB91441		Test : TOC		
STD. NAME		STD REF.#				
ICAL Standard		WP59413,WP59414,WP59415,WP59416				
ICV Standard		WP59417				
CCV Standard		WP59414				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP59417				
Chk Standard		WP56303				
44	I6343-01	HL-15A	SAM	11/09/17 11:21		OK
45	I6343-02	HL-15B	SAM	11/09/17 11:27		OK
46	CCV5	CCV5	CCV	11/09/17 11:32		OK
47	CCB5	CCB5	CCB	11/09/17 11:36		OK
48	I6343-03	HL-13A	SAM	11/09/17 11:43		OK
49	I6343-04	HL-13B	SAM	11/09/17 12:02		OK
50	I6343-05	HL-12A	SAM	11/09/17 12:17		OK
51	I6343-06	HL-12B	SAM	11/09/17 12:32		OK
52	I6343-07	HL-DAM	SAM	11/09/17 12:44		OK
53	I6343-10	HL-6C	SAM	11/09/17 12:49		OK
54	I6343-11	HL-15C	SAM	11/09/17 13:05		OK
55	I6343-12	HL-13C	SAM	11/09/17 13:11		OK
56	I6343-13	HL-12C	SAM	11/09/17 13:21		OK
57	CCV6	CCV6	CCV	11/09/17 13:26		OK
58	CCB6	CCB6	CCB	11/09/17 13:30		OK



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Report of Analysis

Client:		Date Collected:	10/31/2017 12:00:00 AM
Project:	LB91441	Date Received:	11/3/2017 12:00:00 AM
Client Sample ID:	HL-1A	SDG No.:	LB91441
Lab Sample ID:	I6340-01	Matrix:	Solid
Level (low/med):	low	% Solid:	78.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	TOC	1690		1	11.8		250	mg/Kg		11/08/2017	Lloyd Kahn



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Report of Analysis

Client:		Date Collected:	10/31/2017 12:00:00 AM
Project:	LB91441	Date Received:	11/3/2017 12:00:00 AM
Client Sample ID:	HL-1B	SDG No.:	LB91441
Lab Sample ID:	I6340-02	Matrix:	Solid
Level (low/med):	low	% Solid:	83.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	TOC	924		1	11.8		250	mg/Kg		11/08/2017	Lloyd Kahn



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Report of Analysis

Client:		Date Collected:	10/31/2017 12:00:00 AM
Project:	LB91441	Date Received:	11/3/2017 12:00:00 AM
Client Sample ID:	HL-8A	SDG No.:	LB91441
Lab Sample ID:	I6340-03	Matrix:	Solid
Level (low/med):	low	% Solid:	22.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	TOC	21200	OR	1	11.8		250	mg/Kg		11/08/2017	Lloyd Kahn



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Report of Analysis

Client:		Date Collected:	10/31/2017 12:00:00 AM
Project:	LB91441	Date Received:	11/3/2017 12:00:00 AM
Client Sample ID:	HL-8B	SDG No.:	LB91441
Lab Sample ID:	I6340-04	Matrix:	Solid
Level (low/med):	low	% Solid:	57.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	TOC	13700	OR	1	11.8		250	mg/Kg		11/08/2017	Lloyd Kahn



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Report of Analysis

Client:		Date Collected:	10/31/2017 12:00:00 AM
Project:	LB91441	Date Received:	11/3/2017 12:00:00 AM
Client Sample ID:	HL-7A	SDG No.:	LB91441
Lab Sample ID:	I6340-05	Matrix:	Solid
Level (low/med):	low	% Solid:	23

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	TOC	26800	OR	1	11.8		250	mg/Kg		11/08/2017	Lloyd Kahn



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Report of Analysis

Client:		Date Collected:	10/31/2017 12:00:00 AM
Project:	LB91441	Date Received:	11/3/2017 12:00:00 AM
Client Sample ID:	HL-7B	SDG No.:	LB91441
Lab Sample ID:	I6340-06	Matrix:	Solid
Level (low/med):	low	% Solid:	61.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	TOC	14200	OR	1	11.8		250	mg/Kg		11/08/2017	Lloyd Kahn



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Report of Analysis

Client:		Date Collected:	10/31/2017 12:00:00 AM
Project:	LB91441	Date Received:	11/3/2017 12:00:00 AM
Client Sample ID:	HL-4A	SDG No.:	LB91441
Lab Sample ID:	I6340-07	Matrix:	Solid
Level (low/med):	low	% Solid:	21

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	TOC	27400	OR	1	11.8		250	mg/Kg		11/08/2017	Lloyd Kahn



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Report of Analysis

Client:		Date Collected:	10/31/2017 12:00:00 AM
Project:	LB91441	Date Received:	11/3/2017 12:00:00 AM
Client Sample ID:	HL-4B	SDG No.:	LB91441
Lab Sample ID:	I6340-08	Matrix:	Solid
Level (low/med):	low	% Solid:	39.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	TOC	17000	OR	1	11.8		250	mg/Kg		11/08/2017	Lloyd Kahn



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Report of Analysis

Client:		Date Collected:	11/1/2017 12:00:00 AM
Project:	LB91441	Date Received:	11/3/2017 12:00:00 AM
Client Sample ID:	HL-2A	SDG No.:	LB91441
Lab Sample ID:	I6340-09	Matrix:	Solid
Level (low/med):	low	% Solid:	41.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	TOC	15100	OR	1	11.8		250	mg/Kg		11/08/2017	Lloyd Kahn



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Report of Analysis

Client:		Date Collected:	11/1/2017 12:00:00 AM
Project:	LB91441	Date Received:	11/3/2017 12:00:00 AM
Client Sample ID:	HL-2B	SDG No.:	LB91441
Lab Sample ID:	I6340-10	Matrix:	Solid
Level (low/med):	low	% Solid:	73.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	TOC	9720	OR	1	11.8		250	mg/Kg		11/08/2017	Lloyd Kahn



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Report of Analysis

Client:		Date Collected:	11/1/2017 12:00:00 AM
Project:	LB91441	Date Received:	11/3/2017 12:00:00 AM
Client Sample ID:	HL-5A	SDG No.:	LB91441
Lab Sample ID:	I6340-11	Matrix:	Solid
Level (low/med):	low	% Solid:	28.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	TOC	24600	OR	1	11.8		250	mg/Kg		11/08/2017	Lloyd Kahn



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Report of Analysis

Client:		Date Collected:	11/1/2017 12:00:00 AM
Project:	LB91441	Date Received:	11/3/2017 12:00:00 AM
Client Sample ID:	HL-5B	SDG No.:	LB91441
Lab Sample ID:	I6340-12	Matrix:	Solid
Level (low/med):	low	% Solid:	70.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	TOC	13100	OR	1	11.8		250	mg/Kg		11/08/2017	Lloyd Kahn



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Report of Analysis

Client:		Date Collected:	11/1/2017 12:00:00 AM
Project:	LB91441	Date Received:	11/3/2017 12:00:00 AM
Client Sample ID:	HL-6A	SDG No.:	LB91441
Lab Sample ID:	I6340-13	Matrix:	Solid
Level (low/med):	low	% Solid:	32.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	TOC	23400	OR	1	11.8		250	mg/Kg		11/08/2017	Lloyd Kahn



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Report of Analysis

Client:		Date Collected:	11/1/2017 12:00:00 AM
Project:	LB91441	Date Received:	11/3/2017 12:00:00 AM
Client Sample ID:	HL-6B	SDG No.:	LB91441
Lab Sample ID:	I6340-14	Matrix:	Solid
Level (low/med):	low	% Solid:	78.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	TOC	2800		1	11.8		250	mg/Kg		11/08/2017	Lloyd Kahn



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Report of Analysis

Client:		Date Collected:	10/31/2017 12:00:00 AM
Project:	LB91441	Date Received:	11/3/2017 12:00:00 AM
Client Sample ID:	HL-1C	SDG No.:	LB91441
Lab Sample ID:	I6340-16	Matrix:	Solid
Level (low/med):	low	% Solid:	79.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	TOC	1300		1	11.8		250	mg/Kg		11/08/2017	Lloyd Kahn



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Report of Analysis

Client:		Date Collected:	10/31/2017 12:00:00 AM
Project:	LB91441	Date Received:	11/3/2017 12:00:00 AM
Client Sample ID:	HL-8C	SDG No.:	LB91441
Lab Sample ID:	I6340-17	Matrix:	Solid
Level (low/med):	low	% Solid:	75.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	TOC	5930		1	11.8		250	mg/Kg		11/08/2017	Lloyd Kahn



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Report of Analysis

Client:		Date Collected:	10/31/2017 12:00:00 AM
Project:	LB91441	Date Received:	11/3/2017 12:00:00 AM
Client Sample ID:	HL-7C	SDG No.:	LB91441
Lab Sample ID:	I6340-18	Matrix:	Solid
Level (low/med):	low	% Solid:	84.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	TOC	1520		1	11.8		250	mg/Kg		11/09/2017	Lloyd Kahn



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Report of Analysis

Client:		Date Collected:	10/31/2017 12:00:00 AM
Project:	LB91441	Date Received:	11/3/2017 12:00:00 AM
Client Sample ID:	HL-4C	SDG No.:	LB91441
Lab Sample ID:	I6340-19	Matrix:	Solid
Level (low/med):	low	% Solid:	80.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	TOC	883		1	11.8		250	mg/Kg		11/09/2017	Lloyd Kahn



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Report of Analysis

Client:		Date Collected:	11/1/2017 12:00:00 AM
Project:	LB91441	Date Received:	11/3/2017 12:00:00 AM
Client Sample ID:	HL-2C	SDG No.:	LB91441
Lab Sample ID:	I6340-20	Matrix:	Solid
Level (low/med):	low	% Solid:	78.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	TOC	576		1	11.8		250	mg/Kg		11/09/2017	Lloyd Kahn



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Report of Analysis

Client:		Date Collected:	11/1/2017 12:00:00 AM
Project:	LB91441	Date Received:	11/3/2017 12:00:00 AM
Client Sample ID:	HL-5C	SDG No.:	LB91441
Lab Sample ID:	I6340-21	Matrix:	Solid
Level (low/med):	low	% Solid:	57.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	TOC	25500	OR	1	11.8		250	mg/Kg		11/09/2017	Lloyd Kahn



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Report of Analysis

Client:		Date Collected:	11/1/2017 12:00:00 AM
Project:	LB91441	Date Received:	11/3/2017 12:00:00 AM
Client Sample ID:	HL-15A	SDG No.:	LB91441
Lab Sample ID:	I6343-01	Matrix:	Solid
Level (low/med):	low	% Solid:	77.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	TOC	5080		1	11.8		250	mg/Kg		11/09/2017	Lloyd Kahn



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Report of Analysis

Client:		Date Collected:	11/1/2017 12:00:00 AM
Project:	LB91441	Date Received:	11/3/2017 12:00:00 AM
Client Sample ID:	HL-15B	SDG No.:	LB91441
Lab Sample ID:	I6343-02	Matrix:	Solid
Level (low/med):	low	% Solid:	79.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	TOC	1120		1	11.8		250	mg/Kg		11/09/2017	Lloyd Kahn



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Report of Analysis

Client:		Date Collected:	11/2/2017 12:00:00 AM
Project:	LB91441	Date Received:	11/3/2017 12:00:00 AM
Client Sample ID:	HL-13A	SDG No.:	LB91441
Lab Sample ID:	I6343-03	Matrix:	Solid
Level (low/med):	low	% Solid:	97.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	TOC	2280		1	11.8		250	mg/Kg		11/09/2017	Lloyd Kahn



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Report of Analysis

Client:		Date Collected:	11/2/2017 12:00:00 AM
Project:	LB91441	Date Received:	11/3/2017 12:00:00 AM
Client Sample ID:	HL-13B	SDG No.:	LB91441
Lab Sample ID:	I6343-04	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.
	TOC	583		1	11.8		250	mg/Kg		11/09/2017	Lloyd Kahn



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Report of Analysis

Client:		Date Collected:	11/2/2017 12:00:00 AM
Project:	LB91441	Date Received:	11/3/2017 12:00:00 AM
Client Sample ID:	HL-12A	SDG No.:	LB91441
Lab Sample ID:	I6343-05	Matrix:	Solid
Level (low/med):	low	% Solid:	67.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	TOC	13600	OR	1	11.8		250	mg/Kg		11/09/2017	Lloyd Kahn



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Report of Analysis

Client:		Date Collected:	11/2/2017 12:00:00 AM
Project:	LB91441	Date Received:	11/3/2017 12:00:00 AM
Client Sample ID:	HL-12B	SDG No.:	LB91441
Lab Sample ID:	I6343-06	Matrix:	Solid
Level (low/med):	low	% Solid:	78.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	TOC	872		1	11.8		250	mg/Kg		11/09/2017	Lloyd Kahn



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Report of Analysis

Client:		Date Collected:	11/2/2017 12:00:00 AM
Project:	LB91441	Date Received:	11/3/2017 12:00:00 AM
Client Sample ID:	HL-DAM	SDG No.:	LB91441
Lab Sample ID:	I6343-07	Matrix:	Solid
Level (low/med):	low	% Solid:	94.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	TOC	2780		1	11.8		250	mg/Kg		11/09/2017	Lloyd Kahn



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Report of Analysis

Client:		Date Collected:	11/1/2017 12:00:00 AM
Project:	LB91441	Date Received:	11/3/2017 12:00:00 AM
Client Sample ID:	HL-6C	SDG No.:	LB91441
Lab Sample ID:	I6343-10	Matrix:	Solid
Level (low/med):	low	% Solid:	78.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	TOC	307		1	11.8		250	mg/Kg		11/09/2017	Lloyd Kahn



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Report of Analysis

Client:		Date Collected:	11/1/2017 12:00:00 AM
Project:	LB91441	Date Received:	11/3/2017 12:00:00 AM
Client Sample ID:	HL-15C	SDG No.:	LB91441
Lab Sample ID:	I6343-11	Matrix:	Solid
Level (low/med):	low	% Solid:	79.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	TOC	188	J	1	11.8		250	mg/Kg		11/09/2017	Lloyd Kahn



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Report of Analysis

Client:		Date Collected:	11/2/2017 12:00:00 AM
Project:	LB91441	Date Received:	11/3/2017 12:00:00 AM
Client Sample ID:	HL-13C	SDG No.:	LB91441
Lab Sample ID:	I6343-12	Matrix:	Solid
Level (low/med):	low	% Solid:	87.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	TOC	353		1	11.8		250	mg/Kg		11/09/2017	Lloyd Kahn



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Report of Analysis

Client:		Date Collected:	11/2/2017 12:00:00 AM
Project:	LB91441	Date Received:	11/3/2017 12:00:00 AM
Client Sample ID:	HL-12C	SDG No.:	LB91441
Lab Sample ID:	I6343-13	Matrix:	Solid
Level (low/med):	low	% Solid:	82.1

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
	TOC	324		1	11.8		250	mg/Kg		11/09/2017	Lloyd Kahn



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Report of Analysis

Client:		Date Collected:	11/2/2017 12:00:00 AM
Project:	LB91441	Date Received:	11/3/2017 12:00:00 AM
Client Sample ID:	HL-12C	SDG No.:	LB91441
Lab Sample ID:	I6343-13	Matrix:	Solid
Level (low/med):	low	% Solid:	82.1

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: LB91441

SDG No.: LB91441

Contract: _____ Lab Code: CHEM

Case No.: LB91441

SAS No.: LB91441

Initial Calibration Source: _____

Continuing Calibration Source: _____

Sample ID	Analyte	Result mg/L	True Value	% Recovery	% RSD	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV1	TOC	942	1000	94.2	0	90 - 110		11/08/2017	13:17	LB91441
CCV2	TOC	955	1000	95.5	0	90 - 110		11/08/2017	16:21	LB91441
CCV3	TOC	1010	1000	101	0	90 - 110		11/08/2017	18:23	LB91441
CCV4	TOC	948	1000	94.8	0	90 - 110		11/09/2017	09:38	LB91441
CCV5	TOC	964	1000	96.4	0	90 - 110		11/09/2017	11:32	LB91441
CCV6	TOC	943	1000	94.3	0	90 - 110		11/09/2017	13:26	LB91441



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB91441 **SDG No.:** LB91441
Contract: **Lab Code:** CHEM **Case No.:** LB91441 **SAS No.:** LB91441

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	TOC	20.3	+/-250	J		250		11/06/2017	14:00	LB91441



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB91441

SDG No.: LB91441

Contract:

Lab Code: CHEM

Case No.: LB91441

SAS No.: LB91441

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	TOC	20.6	+/-250	J		250		11/08/2017	13:22	LB91441
CCB2	TOC	30.2	+/-250	J		250		11/08/2017	16:24	LB91441
CCB3	TOC	38.7	+/-250	J		250		11/08/2017	18:26	LB91441
CCB4	TOC	42.6	+/-250	J		250		11/09/2017	09:43	LB91441
CCB5	TOC	3.2	+/-250	U		250		11/09/2017	11:36	LB91441
CCB6	TOC	19.8	+/-250	J		250		11/09/2017	13:30	LB91441



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB91441

SDG No.: LB91441

Contract: Lab Code: CHEM

Case No.: LB91441

SAS No.: LB91441

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: LB91441

SDG No.: LB91441

Instrument: Appolo-9000

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	LOD mg/Kg	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
LB91441BLS		SOLID		Batch Number:				Prep Date:		
	TOC	9.8	<250	U		250		11/08/2017	13:37	LB91441
Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	LOD mg/Kg	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
LB91441BLS2		SOLID		Batch Number:				Prep Date:		
	TOC	2.5	<250	U		250		11/09/2017	10:03	LB91441



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB91441 level: low sdg no.: LB91441
contract: lab code: CHEM case no.: LB91441 sas no.: LB91441
matrix: Solid sample id: I6340-01 client id: HL-1AMS
Percent Solids for Sample: 78.2 Spiked ID: I6340-01MS Percent Solids for Spike Sample: 78.2

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
TOC	mg/Kg	75 - 125	2210		1690		1000	52	*	



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB91441 level: low sdg no.: LB91441
contract: lab code: CHEM case no.: LB91441 sas no.: LB91441
matrix: Solid sample id: I6340-20 client id: HL-2CMS
Percent Solids for Sample: 78.6 Spiked ID: I6340-20MS Percent Solids for Spike Sample: 78.6

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
TOC	mg/Kg	75 - 125	1510		576		1000	93		

GENCHEM

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: LB91441 **Level:** LOW **SDG No.:** LB91441
Contract: **Lab Code:** CHEM **Case No.:** LB91441 **SAS No.:** LB91441
Matrix: Solid **Sample ID:** I6340-01 **Client ID:** HL-1ADUP
Percent Solids for Sample: 78.2 **Duplicate ID** I6340-01DUP **Percent Solids for Spike Sample:** 78.2

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
TOC	mg/Kg	20	1690		1950		14		

GENCHEM

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DUPLICATE SAMPLE SUMMARY

Client: LB91441 **Level:** LOW **SDG No.:** LB91441
Contract: **Lab Code:** CHEM **Case No.:** LB91441 **SAS No.:** LB91441
Matrix: Solid **Sample ID:** I6340-20 **Client ID:** HL-2CDUP
Percent Solids for Sample: 78.6 **Duplicate ID** I6340-20DUP **Percent Solids for Spike Sample:** 78.6

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
TOC	mg/Kg	20	576		525		9		



GENCHEM

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: LB91441

SDG No.: LB91441

Contract:

Lab Code: CHEM

Case No.: LB91441

SAS No.: LB91441

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
LB91441BSS TOC	mg/Kg	1000	952		95.2	90 - 110	



GENCHEM

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: LB91441

SDG No.: LB91441

Contract:

Lab Code: CHEM

Case No.: LB91441

SAS No.: LB91441

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
LB91441BSS2 TOC	mg/Kg	1000	1000		100	90 - 110	