

Mike Cartwright
Lockheed Martin REAC
2890 Woodbridge Avenue #209
Edison, New Jersey 08837



The following summarizes the PCM analytical results for 147 - Minot, ND Flooding for samples received at MAS on 7/22/2011. **MAS Project: M53665**
Reported : 7/23/2011

NIOSH Method 7400- PCM Analysis Summary

Sample No.	Client Sample ID	Sample Location	Volume (liters)	Total Fibers Counted	Total Fields Counted	Fiber Density (f/mm2)	Detection Limit (f/cc)	Calculated Conc. (f/cc)
M53665-001	147-AS-001	Minot 1-2	1085	18.5	100	23.6	0.002	0.008
M53665-002	147-AS-002	Minot 3	360	43	100	54.8	0.007	0.059
M53665-003	147-AS-003	Minot 4	1045	19.5	100	24.8	0.003	0.009
M53665-004	147-AS-004	Minot 5-9	842.5	36	100	45.9	0.003	0.021
M53665-005	147-AS-005	Minot 6	1042.5	23	100	29.3	0.003	0.011
M53665-006	147-AS-006	Minot 7-8	1032.5	23.5	100	29.9	0.003	0.011
M53665-007	147-AS-007	Field Blank	0	0	100	0.0	N/A	N/A
M53665-008	147-AS-008	Lot Blank	0	1.5	100	1.9	N/A	N/A

5-20 fiber range $Sr=0.2877$, >20-50 fiber range $Sr = 0.1919$, >50-100 fiber range $Sr = 0.1367$

NA = Not applicable

Analyst - WBE

Note - Samples with less than 5.5 fiber counted are reported as less than the detection limit

Approved Signatory: _____

Materials Analytical Services, LLC
3945 Lakefield Court
Suwanee, GA 30024

PH: (770) 866-3200
Fax: (770) 866-3259

www.mastest.com

- *These results apply only to items tested.
- *All samples arrived in good condition unless otherwise stated.
- * Volumes are supplied by customer
- *Samples are not blank corrected



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M53665-009	147-AS-009	Minot 1-2	1062.5	4	100	5.1	0.003	<0.003
M53665-010	147-AS-010	Minot 3	1015	51	100	65.0	0.003	0.025
M53665-011	147-AS-011	Minot 4	1077.5	12	100	15.3	0.003	0.005
M53665-012	147-AS-012	Minot 5-9	1090	5.5	100	7.0	0.002	0.002
M53665-013	147-AS-013	Minot 6	1087.5	5	100	6.4	0.002	<0.002
M53665-014	147-AS-014	Minot 7-8	1100	18.5	100	23.6	0.002	0.008
M53665-015	147-AS-015	Field Blank	0	0	100	0.0	N/A	N/A

5-20 fiber range Sr=0.2877, >20-50 fiber range Sr = 0.1919, >50-100 fiber range Sr = 0.1367

NA = Not applicable

Analyst - WBE

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m 53665

CHAIN OF CUSTODY RECORD

Project Name: Minot ND Flooding
Project Number: 147
LM Contact: Mike Cartwright Phone: 609-247-2187

No: 02471
Sheet **01** of **01** (Do not copy)
(for addnl. samples use new form)

Sample Identification

Analyses Requested

REAC#	Sample No	Sampling Location	Matrix	Date Collected	^{Filled} # of Bottles	Container/Preservative	7400	7402	Volume	Unit
	147-AS-001	Minot 1-2	A	7/20/11	1	0.8 MCE cassettes			1085	L
	147-AS-002	Minot 3							360	
	147-AS-003	Minot 4							1045	
	147-AS-004	Minot 5-9							842.5	
	147-AS-005	Minot 6							1042.5	
	147-AS-006	Minot 7-8							1032.5	
	147-AS-007	Field Blank							0	
	147-AS-008	Lot Blank		↓					0	
	147-AS-009	Minot 1-2		7/21/11					1062.5	
	147-AS-010	Minot 3							1015	
	147-AS-011	Minot 4							1077.5	
	147-AS-012	Minot 5-9							1090	
	147-AS-013	Minot 6							1087.5	
	147-AS-014	Minot 7-8							1100	↓
	147-AS-015	Field Blank	↓	↓	↓	↓	↓	↓	0	↓
						mc				

Matrix:

- A- Air
- AT- Animal Tissue
- DL- Drum Liquids
- DS- Drum Solids
- GW- Groundwater
- O- Oil
- PR- Product
- PT- Plant Tissue
- PW- Potable Water
- S- Soil
- SD- Sediment
- SL- Sludge
- SW- Surface Water
- TX- TCLP Extract
- W- Water
- X- Other

Special Instructions:

Analyze per contract with Lockheed Martin-SERAS

**SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #:**

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished by	Date	Received by	Date	Time
Air/Analysis	M. S. G. L.	7/21/11	D. Sears	7/21/11	9:40am						

FDX