

**LIGO** PROJECT

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FACSIMILE COVER SHEET

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TO Marty Tellalian  
CBITSC

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FROM Larry K. Jones  
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A copy of Rai's e-mail, for your information. Not good news.

From weiss@tristan.mit.edu Tue Nov 1 12:42:35 1994  
To: ljones@ligo.caltech.edu  
Cc: gerry@ligo.caltech.edu, lazz@ligo.caltech.edu, weiss@ligo.caltech.edu  
Subject: Initial FTIR data

Larry,  
I just got done with an FTIR run here at MIT in one of the materials science labs. We looked at the sample that was drawn from the weepers by isopropyl alcohol and referenced it to the pure alcohol sample. There are strong hydrocarbon peaks in the weeper data. The major peaks come from from single C-H bonds and weaker ones from C-O bonds indicating oil as a possible source of the contaminant. There are also other peaks in the data which may help distinguish what kind of oil. More as I learn more. Tomorrow the surface analysis begins.  
RW