Review Form

Please complete a separate Review Form for each Docket.

Which Docket is being reviewed? (please underline)

Titles: NIOSH Manual of Analytical Methods (NMAM)
- 9106: *Methamphetamine and Illicit Drugs, Precursors, and Adulterants on Wipes by Liquid-Liquid Extraction (NIOSH-176)*
- 9109: *Methamphetamine and Illicit Drugs, Precursors, and Adulterants on Wipes by Solid Phase Extraction (NIOSH-177)*
- 0911: *Methamphetamine on Wipes by Liquid Chromatography-Mass Spectrometry-SIM (NIOSH-178).*

Anticipated Publication: NIOSH Manual of Analytical Methods (NMAM), 5th Edition

Return by: September 30, 2009

Return to: Dr. W. Gregory Lotz, Director, Division of Applied Research and Technology, Mailstop R-2, NIOSH,

4676 Columbia Parkway, Cincinnati, OH 45226, or email at wlotz@cdc.gov.

	YES	NO (explain below)
1. Does the Backup Data Report explain the problem and summarize relevant literature adequately?	x	
2. Is the information in the Method and Backup Data Report technically accurate?	x	
3. Are there any recommendations concerning organization of the documents?		x
4. Are there any changes or corrections needed in the Backup Data Report?	x	
5. Are there any changes needed in the Method?	x	
6. In general, is the Method and Backup Data Report satisfactory?	x	
7. What is your recommendation for this Method as now written? (Check One):		
a. Approve for publication/dissemination		
b. Approve after modification (please describe)	x	
c. Do not approve (please describe)		

DETAILED COMMENTS: (Provide comments in this space or on a separate sheet. Check here ___ if a separate sheet is attached).

There is a table in both the Backup Data Report (Table I) and method (Table I) that provides maximum surface contamination limits. The units in both are expressed as "μ/area". The correct units to express are "μg/area." Many laboratories have LCMSMS which adds additional specificity and sensitivity compared to single quadrupole MS detection. I suggest the report address whether it is okay to use MSMS forming unique precursor/product ions to monitor for quant and qual ion pairs. I suggest adding language to make it clear that it is acceptable to alter the acid modifier concentration (optimum signal will vary with different systems and the optimal acid concentration may differ) and acid itself (many systems perform better using formic acid). Optimum voltage and gas values for the MS system will be instrument dependant and provide limited use to the reader if the specific instrument used is not listed.