

ERRATUM

The following Appendix was inadvertently left out of "A Survey of Gunshot Residue Analysis Methods" by Singer et al. in the March 1996 issue of JOFS.

APPENDIX A

Survey Form

If your lab analyzes gunshot residue (GSR), please answer the questions for your laboratory; if you have an outside agency analyze your GSR samples for you, please answer the questions as completely as possible for the results that you receive from that laboratory.

1. Does your laboratory analyze GSR or do you have an outside agency analyze it for you?
 - ☐ We analyze GSR
 - ☐ Outside agency (Agency _____)
 - ☐ We do not request GSR analysis
2. Which of the following methods do you or the outside agency use?
 - ☐ AA
 - ☐ ICP
 - ☐ NAA
 - ☐ SEM/EDS
 - ☐ Other _____
3. Do you analyze or submit GSR from suicide victims?
 - YES NO

If your GSR is analyzed by SEM/EDS, answer Questions 4–17; if your GSR is analyzed by AA, answer Questions 18–26. If both methods are used, please answer all questions.

4. What percentage of the stub surface is searched (to the nearest 10%)? _____
5. Which collection method is used?
 - ☐ Adhesive Tape
 - ☐ Glue Life
 - ☐ Concentration
 - ☐ Other _____
6. Please rate the following particle categories on their specificity to identifying GSE, with 1 being UNIQUE TO GSR and 5 being a NON-GSR MATERIAL.

| | | | | | |
|---------|---|---|---|---|---|
| PbSbBa | 1 | 2 | 3 | 4 | 5 |
| SiCaBaS | 1 | 2 | 3 | 4 | 5 |
| PbSb | 1 | 2 | 3 | 4 | 5 |
| PbBa | 1 | 2 | 3 | 4 | 5 |
| SbBa | 1 | 2 | 3 | 4 | 5 |
| Pb | 1 | 2 | 3 | 4 | 5 |
| Sb | 1 | 2 | 3 | 4 | 5 |
| Ba | 1 | 2 | 3 | 4 | 5 |
| Other: | | | | | |
| _____ | 1 | 2 | 3 | 4 | 5 |

7. Which categories of particles are reported?
 - ☐ Unique GSR only
 - ☐ Unique GSR and indicative particles
 - ☐ All categories

8. How many particles of GSR would be needed to indicate in a report that a person had been in the vicinity of a firearm being discharged or had discharged a firearm? _____
9. Are the number of particles found reported?
 - YES NO
10. Is GSR documented as being present in the sample by:
 - ☐ Written report
 - ☐ Written report and printout of the spectrum
 - ☐ Report, spectrum printout and a representative photo of a GSR particle
 - ☐ Report, spectrum printout and multiple photographs of GSR particles
11. Which of the following statements most closely resembles the phrasing used in your reports?
 - ☐ The sample is consistent with the target person having discharged a firearm, having been in the vicinity of firearm when it was discharged, or having handled an item with GSR on it.
 - ☐ The sample is consistent with the target person having discharged a firearm or having been in the vicinity of a firearm when it was discharged.
 - ☐ The sample is consistent with the target person having discharged a firearm.
12. What brand of SEM do you own? _____
13. How old is it? _____ years
14. What brand of EDS system do you own? _____
15. How old is it? _____ years
16. Is the SEM/EDS system automated? YES NO
17. Do you use your SEM/EDS system for trace analyses other than GSR? YES NO
18. Which elements do you test for with AA? (check all that apply)
 - ☐ Pb
 - ☐ Ba
 - ☐ Sb
19. Which elements must exceed their threshold for a sample to be considered positive for GSR? (Check all that apply)
 - ☐ Pb
 - ☐ Ba
 - ☐ Sb
20. What are the thresholds required for a positive result for each of the following elements?
 - Pb _____ µg/ml
 - Ba _____ µg/ml
 - Sb _____ µg/ml
21. What levels of calibration standards are used?
 - Pb _____ µg/ml
 - Ba _____ µg/ml
 - Sb _____ µg/ml
22. Is a swab included in the digestion of the calibration standards? YES NO
23. Is a blank analyzed for quality control purposes?
 - YES NO
24. Are three elements routinely tested for or is one used as a screen?
 - ☐ All three
 - ☐ Screen using one element = Pb Ba Sb
25. What brand of AA do you use? _____
26. How old is it? _____ year