



added to each buffer solution to obtain an nominal thiobencarb concentration of 4.3 ppm. After solution preparation, 17 10-ml vials were filled with each solution for sampling at 0, 1, 3, 7, 14, 21, and 30 days.

Duplicate samples were analyzed using HPLC with radioactivity detection and TLC/Autoradiography. Identification of radioactivity was confirmed by LC/MS and by HPLC co-chromatography with authentic standards. More details about the analytical procedure may be seen in the Materials and Methods attachments.

DATA SUMMARY:

<sup>14</sup>C-Thiobencarb [S-[(4-chlorophenyl)methyl]diethyl carbamothioate] at 4.3 ppm did not degrade in sterile, aqueous buffer solutions incubated at 25 °C in darkness at pH values of 5, 7, and 9. Therefore, no degradation products were detected. Material balances were acceptable for each pH value and ranged from 89.3-105.6 for the entire study.

COMMENTS:

None.

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Thiobencarb

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Pages 3 through 24 are not included.

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