

Interpretation of Bioassay Measurements

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ABSTRACT

This is a comprehensive manual describing how to compute intakes from both in-vivo and in-vitro bioassay measurements. To date, interpretations of intake have been inconsistent, particularly in the early phases after an accidental intake. This manual is aimed at completely describing a consistent approach and instructing others on how to compute intakes and committed organ dose equivalents. Tables for the interpretation of bioassay results are compiled for several hundred radionuclides. Measurements which employ a whole-body counter, a thyroid counter, a lung counter, or measurements on excreta can be converted into estimates of intake based on the tables presented in the appendices. The values in the tables were determined by using lung, gastrointestinal tract and systemic retention models published by the International Commission on Radiological Protection (ICRP79). In a few cases, pseudo-retention functions, organ retention functions, and excretion functions were used to generate the tabulated values. The biological and radiological input parameters are included in an appendix, and a description of the mathematical approach that was used to derive the tabulated data is included in the methods section. Calculations for various particle sizes are addressed along with methods to interpret multiple or continuous exposures. Examples of use are based on actual bioassay measurements following accidental intakes, including tritium, Mn-54, Co-60, Sr-90, Nb-95, radioiodines, Cs-137, Ce-141, Ce-144, U-233, U-Nat, and Am-241.

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PREFACE

The purpose of this report is to provide a practical and consistent method for estimating intakes from bioassay measurements, and to provide guidance in order to establish an effective internal radiation protection program. Our procedure for estimating intakes provides a way to rapidly assess the significance of an exposure. Users of this document will be able to demonstrate compliance with the provisions of 10CFR Part 20, and be able to assure adequate interpretation of bioassay measurements. Additionally this report may be useful in order to (1) establish derived investigation levels in the body or in excreta of exposed persons, (2) determine the frequency of monitoring individuals, and (3) determine the appropriate method of monitoring. Users of this document will be able to adjust their estimate of intake for particle sizes between 0.2 and 10 micrometers, and be able to interpret measurements associated with single, multiple or continuous intakes. Use of this report may also lead to further refinement of models which are used to interpret bioassay measurements.

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INTERPRETATION OF BIOASSAY MEASUREMENTS

1. INTRODUCTION

1.1 Problems Associated with Internal Dose Assessment

The estimation of internal radiation doses from radionuclides taken into the body, either by workers or by members of the public, often depends on the proper interpretation of bioassay measurements. Measurements of radioactivity in body organs or in the whole body (in vivo), or measurements in samples of excretion (in vitro), must be interpreted first in terms of the quantity of radioactive material taken into the body by using dynamic mathematical models that describe the translocation, distribution and elimination of specific radionuclides in specified physical and chemical forms. Although area air sampling results can provide estimates of intake for demonstrating compliance with regulatory limits, they are unreliable and inaccurate if exposure to concentrations vary in space and in time. In such cases, personnel monitoring procedures such as breathing zone air sampling and bioassay should be used for the estimation of intakes by workers (Ca 72). After known or suspected exposures have occurred or when the potential for such exposures is sufficiently great, bioassay has been required as a final quality control procedure under the provisions of 10CFR Part 20 (FR86) in order to assure adequate functioning of the air monitoring program and other elements of the internal radiation protection program.

Dose conversion factors have been calculated from ICRP Publication 30 and other models by various authors, and these factors are available to convert estimated or assumed intakes into 50 year committed doses to various body organs or into the so called committed effective dose equivalent to the whole body. However, the models of ICRP Publication 30 used in these calculations do not provide for excretion compartments. Thus, they do not provide a direct way to calculate intakes from excreta bioassay measurements. Intake calculations from bioassay measurements were found to be in demand after the Three Mile Island accident as well as after other significant cases of human intake of radioactive material by workers. Such calculations are made not only to determine compliance with applicable regulations on intake of radioactive material but also to provide continued refinement of estimates of internal dose. Such dose estimates may be needed for both early emergency medical decisions and long-term medical follow up of significantly exposed workers.

To date, the interpretations of bioassay data in terms of intakes have been made using various empirical models that have often produced inconsistent estimates, particularly in the early emergency phases after an accidental intake. The guide we have developed provides a consistent approach to calculating intakes of all important radionuclides from bioassay measurements. In this guide we describe these calculations and present tables of values for intake retention functions, thus providing a practical and consistent way of computing intakes from both in vivo and in vitro bioassay measurements.

For each radionuclide included in Appendix B, intake retention fractions (IRFs) for the inhalation of ICRP Publication 30 Classes D, W, and Y materials are provided. Similar IRF values are given for ingestion intakes. The

tabulated values in Appendix B include the decay factor. The IRF values are applicable to whole-body and lung measurement results as well as the results from urine and fecal analyses. A table of IRF values for the thyroid is provided for converting the results of thyroid measurements into estimates of intake of iodine isotopes. Methods for extending the use of the tables to include conditions of multiple and continuous intakes and for aerosols having a particle size distribution other than 1 micrometer Activity Median Aerodynamic Diameter (AMAD), as used in ICRP Publication 30, are given.

1.2 Criteria for Selecting this Approach, Literature Reviewed, Validation and Verification Methods

The computational method used here was selected because it was recently documented and illustrated in publications by Skrable (Sk80, Sk81, Sk83). Methods for solving for quantities associated with compartmental models, using microcomputers and algorithms, have also been described by Birchall (Bi86), and he indicates a specific algorithm, using BASIC, which executes in seconds. Skrable (Sk81), on the other hand, has written programs using Hewlett Packard language on the HP41CV for solving the retention and excretion of inhaled or ingested materials. The serial-transformation kinetics equation used by both these authors requires that all pathways leading to a compartment of interest be defined. Thus, many applications of the equation are needed to follow a nuclide through the body. Without computers these computations would be tedious. In addition, recent compilations have become available (ICRP74, ICRP77, ICRP83), which are specific for radiation protection, for standard radiological and physiological parameters that describe a radionuclide's fate in the body of a reference adult male. Thus, the computational approach for IRFs was selected based on the availability of current models and parameters, plus the availability of computers.

The ease of computing intakes, on the other hand, can be improved from the availability of tabulated values of the IRFs for both in vivo and in vitro bioassay compartments. The data in these tables are obtained by repetitive application of algorithms similar to those supplied by Birchall and Skrable. In addition, tabular data giving the intake retention fractions, expected to be present in various bioassay compartments are helpful in choosing a bioassay procedure.

In ICRP Publication 30 (ICRP79), the whole-body systemic uptake retention functions in many instances are expressed as a sum of exponential terms. Because of this and because this suited our approach, the criteria used to select an excretion or systemic uptake retention expression was that it be expressed as an exponential or sum of exponentials. Exponential functions are suitable for models which incorporate feedback and recycling of an element such as those for iodine and those used in this manual for the alkaline earth elements. In this study, we use a pseudo-retention function for plutonium based upon an excretion function recently reported by Jones (Jo85). Exponential models were fitted to the alkaline earth metabolism described in ICRP Publication 20 (ICRP72) based upon a model reported by Johnson and Myers (in Sk83), and we used these fitted functions for Ca, Sr, Ba and Ra. These models duplicate the ICRP Task Group's retention function (ICRP72) over the period 0.1 day to 20,000 days post intake but they are used here since they are appropriate functions for the computational method developed by Skrable (Sk83). For all other elements the whole-body systemic uptake retention functions in

ICRP Publication 30 were used. We note that the iodine metabolism suggested by Riggs (Ri52) was used here, and we caution users of ICRP Publication 30 (ICRP74) that the correct description of the Rigg's whole-body systemic uptake retention function for iodine appears in an Addendum to ICRP Publication 30 (ICRP81).

The Dosimetric Research Branch, Chalk River Nuclear Laboratory (CRNL), has been monitoring employees and others for internal contamination and interpreting the results in terms of dose using ICRP or other models for more than 35 years. When ICRP Publication 26 introduced the committed effective dose equivalent and annual limits on intake in 1977, they initiated a complete review of models and procedures for interpreting internal contamination monitoring. Part of this review involved the development of computer codes and data bases to carry out detailed calculations. These computer codes and data bases contain the latest ICRP recommended models and parameters as well as other models, as appropriate. For the most part, they contain the metabolic models and parameters and dosimetric data used in ICRP Publication 30. These facilities at CRNL were used to validate the tabulations of retention and excretion fractions listed in this document.

Researchers at Science Applications International Corporation (SAIC) have been involved in the development of computer programs to predict retention and excretion from ICRP 30 metabolic models for the last three years. As part of the quality control process used in the production of this document, selected tabular results were validated by comparison to results predicted by SAIC models for the same assumed set of conditions. Two SAIC programs were used in the validation tests. These programs, which are described in Section 6.1, were developed by different individuals and feature completely different computational approaches. One is a Pascal-language program which incorporates an analytic solution algorithm much like the BNL model employed to generate the tabular values. The other is a BASIC program which employs Runge-Kutta numerical integration techniques.

The SAIC validation process involved comparison of inhalation and ingestion retention results for the following radionuclides: Fe-59, Co-60, Sr-90, I-131, Cs-137, Ce-144, Th-232, U-235, Pu-239, and Am-241. This process was valuable in identifying programming or computational errors in the draft results. After correction of identified errors, very good agreement was reached between the tabulated results and those generated by the other programs.

Actual case studies were used to verify the models used in this report, and these studies were presented in Appendix A. Dr. Darrell Fisher, from Battelle Pacific Northwest Laboratories, and Dr. Joyce Landmann Lipsztein, from Brazil's National Commission for Nuclear Energy, provided most of this work based on their experiences. These case studies included: (1) inhalation of Co-60, Mn-54, Sr-90, Ce-141, Ce-144, U-233, Am-241, I-131, thorium and natural uranium and (2) ingestion of Co-60, Nb-95, Cs-137, Ce-141, Ce-144, Sr-90 and I-131. Additionally, several case studies based on the experiences of staff from Brookhaven National Laboratory were included.

1.3 Premise of the Manual

The estimate of intake of radioactive material depends on the proper interpretation of bioassay measurements, and often the method for interpretation is poorly documented. Because the interpretation of bioassay data involves many

physical relationships between a multitude of variables, part of the problem of interpretation involves this complexity. In some cases, refinement of the interpretation may continue for years after the initial assessment of the intake and dose equivalent. Thus, a proper approach to interpretation is to establish a clear record of the methods used throughout the assessment. We intend this manual to provide an easy to use method, yet one that incorporates the complexity of current mathematical models. This obviously leads to certain limitations that must be recognized, e.g., the use of Reference Man or other standard models for estimating the intakes by actual workers. We provide a detailed description of the approach as well as practical examples. When significant exposures occur, we encourage others to perform more detailed investigations that could provide data useful in the validation or improvement of the models and approaches used in this report.

2. DESCRIPTION OF CALCULATIONAL METHOD

2.1 Introduction

This section describes a way to obtain intake retention functions. These functions give the fraction of an intake of radioactive material expected to be present in a bioassay compartment at any time after an acute exposure or after onset of a continuous exposure. The intake is estimated from the quotient of the quantity of a radionuclide measured in a bioassay compartment by the intake retention fraction for that compartment. The intake can be compared to the NRC quarterly intake limit, the ICRP Publication 30 Annual Limit on Intake, or with other appropriate reference levels. This procedure for estimating intakes provides for a rapid assessment of the significance of measured results and thus provides a way to distinguish between exposures that require further investigation from exposures that do not. The model is based upon Reference Man models which are summarized in ICRP Publications 23 and 30 (ICRP74, ICRP79), but other metabolic models that fit the ICRP structure also can be used. The bioassay compartments may represent specific physiological entities such as the lungs or the gastrointestinal tract, total body or excreta. Intake pathways which we consider here include inhalation and ingestion. We discuss the estimation of intakes and internal radiation doses and the frequency of monitoring required for detection. Our approach to obtaining intake retention functions can be implemented into any bioassay monitoring program that employs measurements on people or measurements of excreta.

Intake retention functions that are based upon Reference Man can be used to make a rapid assessment of the committed effective dose equivalent and the committed organ or tissue dose equivalent. The quotient of the estimated intake by the stochastic Annual Limit on Intake (ALI) value, which is given in ICRP Publication 30, when multiplied by 0.05 Sv (5 rem), gives the committed effective dose equivalent of an exposed worker.

One may also obtain organ or tissue dose equivalent by computing the product of the intake and the committed dose equivalent in target organs or tissues per intake of unit activity. A weighting factor representing the ratio of the risk arising from irradiation of the organ or tissue to the total risk when the whole body is irradiated uniformly may be multiplied by the committed organ or tissue dose equivalent. The sum of the weighted committed dose equivalents in target organs or tissues is the committed effective dose equivalent. The factors for dose equivalent per unit activity intake (Sv per Bq) appear in supplements to ICRP Publication 30. Age and gender averaged

weighting factors appear in ICRP Publication 26 (ICRP77), but under certain circumstances they may be modified to reflect competing causes of death or reflect the gender of the exposed person. Thus, a more direct estimate of weighted committed, or committed organ and tissue, dose equivalent may be made from the estimate of intake and the Sv per Bq factors.

Nuclear facilities are designed so that combined exposures to people from external and internal radiation sources are maintained below the ICRP and the proposed NRC committed dose limits (See ICRP77 or NRC84). It is important that internal dose assessment procedures, as well as investigation, action, and recording reference levels be established with respect to these committed dose limits. A quantity derived from these committed limits is the Annual Limit on Intake given by ICRP. To assure that significant internal radiation exposures are detected, properly investigated, and recorded, all internal radiation dose assessment procedures should be designed to translate measurements into estimated intakes. Otherwise, significant doses, for example the dose to the lungs, may be neglected if only the systemic burden is estimated from excretion bioassay measurements. Because of the direct relationship between intake and committed dose, the use of intake provides a way to combine external and internal doses. Thus, the total committed organ dose or the committed effective dose equivalent to the whole body can be estimated for exposures received by workers during each year of practice.

The detection of an intake that is significant with respect to the ALI may require monitoring of both the working environment and the worker. Neither bioassay nor air sampling are mutually exclusive; both may be required for an accurate assessment of internal radiation exposures (Sk85). When bioassay procedures do not have the required sensitivity and accuracy, then breathing zone air-sampling should be used to estimate intakes by workers having a potential for significant exposures. Accurate assessments of exposures often require a proper balance between monitoring the environment and monitoring workers. Additionally, information on the physical and biochemical characteristics of radionuclides, which can be obtained from monitoring the working environment, may be used with Reference Man metabolic models to generate intake retention functions that are needed for the estimation of intakes from bioassay data.

Intake retention functions, which give the fractions of an intake expected in various in vivo and in vitro bioassay compartments at any time, provide necessary information for a rapid and efficient determination of the significance of bioassay results. In addition, intake retention functions can be used in the design and operation of a bioassay program. For example, numerical values obtained for intake retention functions can be used to identify those bioassay procedures that have sufficient sensitivity. They also can be used to calculate derived investigation levels. Following accidents, values for intake retention functions can be used to identify special bioassay procedures that confirm and improve estimates of intake.

In the following, we discuss applications of intake retention functions, including some of their limitations. The text includes derivations of these functions, derivations which are made via the application of a single catenary kinetics equation to a multicompartmental model. These derivations are based upon models that describe the transport and retention of elements from intake to excretion. The recursive nature of the catenary kinetics equation facili-

tates programming on calculators or computers. Details related to the derivation of various types of intake retention functions and details related to fitting of repetitive bioassay measurements are also provided.

Sections 2.2 through 2.5 provide a detailed description of the calculational procedures used to derive the tabulations of intake retention fractions for use with in vivo and in vitro measurements. The main points of the description are:

1. the tables, which are derived from the equation given in Section 2.5.1, give the fraction of intake retained, the fraction excreted in 24 hours, and the fraction accumulated in excreta as a function of time post intake;
2. intakes can be estimated by dividing the measured value, for lung, thyroid, whole-body, urine or fecal activity, by the IRF value which is associated with the compartment of interest;
3. derived investigation levels can be set below which no action is required, and above which further measurement to estimate committed effective dose equivalent should be made; and
4. it is unrealistic to assume that individual results will fit model results in most exposure cases. The magnitude of the uncertainty is indicated in Appendix A, Example of Use Based on Experiences.

If you require a detailed description of the calculational method, please read Sections 2.2 to 2.5, otherwise, advance to Section 3, Retention and Excretion Fraction Tables.

2.2 Terminology Needed for Interpretation of Bioassay Measurements

There are various quantities or terms used by health physicists for bioassay and internal dose assessment and various retention functions have been associated with these quantities. The definitions of these quantities are important in order to understand the mathematics used in the derivation. Terms or quantities include intake, uptake, deposition, and content:

- | | | |
|---------------------------|---|---|
| intake | = | quantity of a radioelement taken into the body by inhalation, ingestion, or wound, |
| uptake | = | quantity of a radioelement taken up by the systemic circulation, e.g., by injection into the blood, by absorption from compartments in the respiratory or GI tracts, or by absorption near the site of a wound, |
| deposition | = | quantity of a radioelement deposited, e.g., in the respiratory tract following an acute inhalation intake or in the stomach following an ingestion intake, |
| content | = | quantity of a radioelement present in some bioassay compartment of the model, which may be an organ, a group of tissues, the whole body, or an excretion compartment. |
| fundamental rate constant | = | the instantaneous fractional rate of removal of the content of a compartment by biological processes only. |

Each type of retention function applies to the content of a particular compartment, relative to the referenced quantity. Thus, each type of function yields the fraction of an intake, uptake, or a deposition expected in the compartment at some time t , post an intake, uptake, or deposition, respectively. In general, upper case letters are used as symbols in equations in order to represent quantities for stable elements while lower case letters are used to represent quantities for radionuclides. Subscripts are used to identify compartments.

Consider an acute inhalation intake of radioactive aerosols in which 63% of the inhaled activity is expected to deposit in the lungs. The initial fraction of the intake expected to be deposited in the lungs, which is given by the intake retention function for the lungs for t equal 0, is 0.63, while the initial fraction of the deposition expected to be present in the lungs, which is given by the deposition retention function for the lungs for t equal 0, is 1.0. The uptake retention function gives the fraction of an acute uptake expected in some compartment at some time after an uptake. The values of the uptake retention functions for the systemic whole body and the extracellular fluid must equal 1.0 for t equal 0. The values of the uptake retention functions for peripheral tissues and organs must equal 0 for t equal 0.

Another important term is fundamental rate constant. Removal can involve excretion from the body or simply return to extracellular fluid. A fundamental rate constant can be associated with any organ or tissue. These fundamental rate constants may be difficult to determine because a portion of the deposition once removed from an organ may be returned to that organ at some later time. Thus, a measured rate of loss from the organ would appear to be slower than the fundamental rate of loss because small amounts of material may be recycled back to the organ.

The uptake retention function is a mathematical construct or empirical function that may have several exponential terms. Under certain conditions some of these terms may be associated with physiologically identifiable compartments. One term in the construct may represent the central compartment if there is no significant recycling. The central compartment may be vaguely defined as the compartment which includes blood and extracellular fluid, i.e. material in this compartment is free-moving. The remaining terms in the mathematical construct may be associated with peripheral organs, such as bone or thyroid. Material in these compartments includes that contained in cells plus that attached to organ surfaces. Again, this physiologic association is purposely vague and applies only if there is no significant recycling.

If the metabolic process, which describes the removal of a radioelement from a compartment, is described by linear first-order kinetics, then the deposition retention function is given by a single exponential term, with coefficient of unity. This simple deposition retention function gives the fraction of deposition expected at some later time. This type of deposition retention function is used for the stomach for intake via ingestion as well as some compartments within the respiratory tract.

If the retention of a systemic organ or tissue is simple, then the organ's deposition retention function is given by a single exponential term, with a coefficient of unity. The function represents the fraction of a single deposition expected at some time after deposition, neglecting any recycling of

the element. However, because of recycling, such deposition retention functions would not describe the actual content of organs or tissues.

If there is no direct excretion from an organ, the fundamental biological rate constant, which is a term in the exponent of an organ deposition retention function, describes the transfer of a stable element to the central compartment. The deposition retention function of a single organ may be given by a single exponential term, but on the other hand, the uptake retention function for that same organ, will often be given by a sum of exponential terms with constant coefficients. The algebraic sum of these coefficients must equal 0 at t equal 0. A number of peripheral organ and tissue compartments could each have a simple deposition retention function described by a single exponential term containing a characteristic fundamental rate constant. The value of this rate constant would characterize total biological removal to direct excretion or the central compartment.

If significant recycling of the stable element occurs, then the uptake retention functions for each peripheral compartment and for the central compartment would contain the same number of exponential terms. However, rate constants in these exponential terms would not equal the fundamental rate constants. In the case of recycling, the uptake retention function of each compartment and the uptake retention function of the systemic whole body would have the same exponential terms but different coefficients. If significant recycling does occur, the rate constants in the uptake retention function for the systemic whole body do not describe the actual retention of a deposition within a specific compartment. These rate constants are effective rate constants, which account for recycling of a contaminant between the central and peripheral compartments. In such a case, no single exponential term can in reality be associated with a particular structured compartment (Sk80).

If there is no significant recycling, the rate constants in the uptake retention functions equal the fundamental rate constants. In such a case, the stable element uptake retention function for the central compartment would be given by a single exponential term. This central compartment term would contain the fundamental rate constant that describes removal by all pathways. In the case of no significant recycling, the uptake retention function for a stable element for each peripheral organ compartment would contain two exponential terms, one with the fundamental total removal rate constant for the central compartment and one with the total biological removal rate constant for the organ. In such a case, the individual exponential terms in the uptake retention function for the systemic whole body could be associated with specific tissues or organs.

The description of the distribution and retention of elements in ICRP Publication 30 (ICRP79) has descriptive simplifications that relate to recycling. Because individual exponential terms of most retention functions cannot be associated with specific organs, care must be exercised in using the ICRP Publication 30 description for the development of bioassay models which are needed to make an initial assessment of the significance of bioassay data. Additionally, we do not include the ICRP so called "transfer compartment" in the derivation of our intake retention function. The ICRP adds this transfer compartment for mathematical convenience (ICRP79) while in fact the retention of any transfer compartment must already be included in the systemic whole body, empirical, uptake retention function.

2.3 Limitations Associated With The Use Of Metabolic Models

Many assumptions are required to translate bioassay data into estimates of intakes and internal radiation doses. Such assumptions may include parameter values for the fraction of systemic excretion passing into the bioassay excretion compartment as well as assumptions regarding uptake following deposition of the radionuclide in the respiratory tract. Because of the physical, chemical, and biological complexities that affect the distribution of a radionuclide within the body, neither the annual nor committed effective dose equivalent can be obtained from the whole body retention function without making many assumptions. Assumptions that may have order of magnitude impact apply to single excreta bioassay measurements. This uncertainty can be reduced by collecting several samples in sequence. Although frequent and careful excreta measurements can be used to obtain the worker's excretion function applicable to the time over which measurements are made, many assumptions including the physical and biochemical characteristics of the inhaled aerosol, the uptake fraction, and the systemic excretion fraction will be required for the estimation of intakes and internal radiation doses.

To estimate the intake and corresponding internal radiation doses, a practical alternative is to use information on the known physical and biochemical characteristics of inhaled radionuclides, and apply these assumptions to the applicable metabolic model for Reference Man. This is the basis for the practical use of intake retention functions that are based on Reference Man or other appropriate models.

2.4 Intake Retention Functions and Their Applications

Intake retention functions can be used in the design and conduct of bioassay programs. They can be used to generate tabular values for stable or radioactive element intake retention fractions (IRFs) as well as derived investigation levels. Such derived investigation levels can provide the operational health physicist information on procedures which have the required sensitivity and accuracy for the minimum amount that can be detected by a given bioassay procedure.

When large accidental exposures occur, attempts should be made to estimate the actual retention and dose distribution in the exposed worker rather than rely on Reference Man models. In such cases, the uncertainties associated with using the individual's own metabolic parameters in the estimation of the committed doses should be evaluated carefully.

When a number of bioassay measurements are used to evaluate an incident, the intake retention function, which is derived from Reference Man metabolic models, can be used as a fitting function. The amount of the intake is then estimated as that which gives the best fit of individual measurements to their respective expectation values that are obtained from the product of the estimated intake and values derived from the intake retention fitting function. This procedure certainly is justified in most cases where limited and poor bioassay data are available. If more extensive and accurate bioassay data are available from accidental exposure cases, then the residuals obtained from the difference between measurements and the expectation values should be examined for any apparent structure and discrepancy associated with the use of an intake retention function derived from Reference Man models. If large discre-

pancies are noted, then attempts should be made to improve the assumptions and parameter values used to derive the intake retention function used in the fit.

Committee 4 of the ICRP has published two reports relating to the evaluation of radiation doses from bioassay data, Publication 10 (ICRP68) and Publication 10A (ICRP71). These publications are limited to the evaluation of uptakes as opposed to intakes. Because of the delay in uptake from compartments in the respiratory and GI tracts to the systemic organs, models that incorporate this delay in uptake are needed. Specifically, what are needed are intake retention functions, which give the fractions of an intake expected in bioassay compartments at various times after an intake.

2.5 Catenary Pathways from Intake to Excretion

The metabolism of elements is described here by linear first order kinetics which can be depicted as one way transfers between compartments; transfers that begin with some intake compartment and end with some excretion compartment as depicted in Figure 2.1. The term catenary refers to a one-way chain in which material is transferred from one compartment to another. The metabolism of all elements can be described in this way. Because the metabolism can be described in terms of these simple one way transfers, a recursive catenary kinetics equation can be used to obtain the expected content of all in vivo and in vitro bioassay compartments. Even though the metabolism is described by these one-way transfers, the intake retention functions derived from this model account for recycling within the systemic whole body provided that an appropriate whole-body systemic uptake-retention function is used in the derivation. An excretion compartment is simply treated as the last compartment in each chain. Removal of a radioelement from an excretion compartment is described entirely by its radioactive decay constant, while total removal from an in vivo compartment is described by the sum of the decay constant and all applicable biological removal rate constants. It is recognized that this model and description of the metabolism is a gross oversimplification of the actual metabolism.

Provided that appropriate values are chosen and lacking more specific details, the catenary model can provide reasonable values for the intake retention fractions. On the other hand, care must be exercised in the interpretation of the short term kinetics, especially during the first few days following accidental intakes.

Chains of compartments can be determined for inhalation intakes, ingestion intakes, instantaneous uptake, or exponential uptake, for example from a wound. If several chains lead to a particular compartment of interest, the total retention function for that compartment is obtained by summing the contributions from all chains. If a system of organs and tissues, such as the systemic whole body, is modeled as if it were comprised of a number of independent catenary compartments, the total retention function is obtained from the sum of retention functions for the individual compartments.

There are a number of chains for each type of intake and each chain begins with an intake compartment and ends with an excretion compartment. Chains involving inhalation intakes, with depositions into various regions of the respiratory tract, are shown on the upper left, and pathways involving ingestion intakes are shown on the right in Figure 2.1.

Inhalation involves eight compartments of deposition in the respiratory tract, each of which initiates a separate catenary system. Ingestion begins with one compartment of deposition, the stomach.

Arrows leaving a compartment show the specific removal pathways, which are characterized by specific translocation rate constants for particular pathways. In addition to biological removal, radioelements are removed from each catenary compartment by radioactive decay, which is characterized by the decay constant for the radioelement.

Compartments associated with the respiratory tract are shown on the upper left hand side of Figure 2.1. The arrows designated by $D_{NP}I$, $D_{TB}I$, and D_pI represent depositions in the three regions of the respiratory tract. These arrows lead into the nasal passage region (NP), tracheobronchi region (TB), and pulmonary region (P) of the respiratory tract. The symbol I represents the intake and D_{NP} , D_{TB} , and D_p represent the fractional depositions. The deposition fractions for an inhalation intake of 1 micrometer AMAD aerosols are 0.3, 0.08, and 0.25 for the NP, TB, and P regions, respectively.

Compartments a, c, and e shown on the left-hand side of the respiratory tract schematic are cleared directly to the systemic circulation. Compartment h represents clearance to the lymph nodes, which are comprised of two compartments i and j. Compartment i clears to the systemic circulation and compartment j is a sink. The only removal from compartment j is by radioactive decay. Compartments b, d, f, and g are shown on the right hand side of the schematic and are cleared to the stomach.

The fraction of a deposition cleared by a particular pathway and the associated clearance half-time are designated for three chemical compound classifications: days (D), weeks (W), and years (Y), which are representative of the clearance half-times from compartments e, g, and h in the pulmonary lungs. These clearance half-times are 0.5, 50, and 500 days for Class D, W, and Y compounds, respectively. However, there is no clearance for compartment g for Class D compounds since there is no deposition in it.

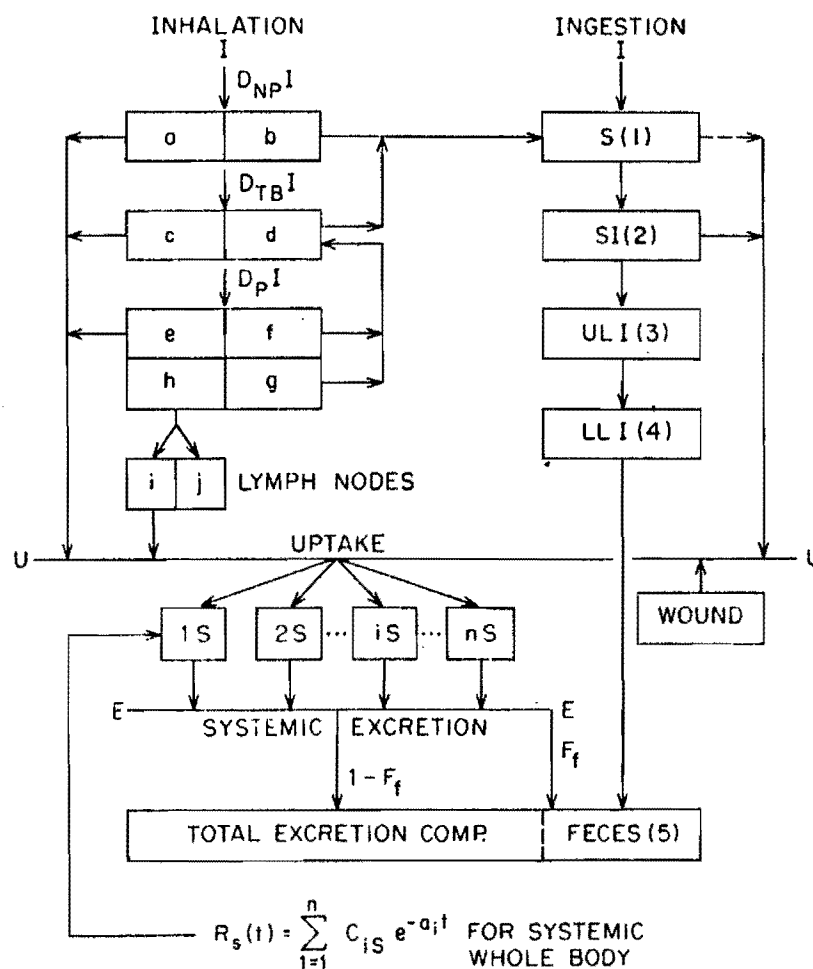


FIGURE 2.1 Catenary pathways from intake to excretion. Respiratory tract compartments are a through j. Gastrointestinal tract compartments are 1 - 4. $R_s(t)$ defines the stable element uptake retention function for the systemic whole body which is expressed by a sum of exponential terms ($i = 1$ to n) with constant coefficients.

Shown on the right-hand side of Figure 2.1 are the four segments of the gastrointestinal tract. An ingestion intake is first deposited in the stomach. The intake is translocated from one segment of the gastrointestinal tract to another and then finally to the feces, which are designated here as compartment 5. The feces are considered part of the total excretion compartment. In ICRP Publication 30, instantaneous uniform mixing and linear first-order kinetics are assumed to apply to each segment of the tract. These assumptions result in an overestimate of the early fecal excretion. The mean residence time in each segment of the tract are 1 hour for the stomach, 4 hours for the small intestine, 13 hours for the upper large intestine, and 24 hours for the lower large intestine. Partial absorption of a radioelement into the blood is assumed to occur only in the small intestine. If the radioelement is completely absorbed, absorption is considered to occur from the stomach, and this pathway is shown by a broken arrow to the upper right of Figure 2.1. The translocation rate constant that is associated with this pathway is simply set equal to 24 day^{-1} , which is that associated with the removal of the contents from the stomach. The inverse of the mean residence time for the contents of each segment gives the translocation rate constant for both the contents and contained radionuclides.

Absorption into the systemic circulation is shown to lead to a horizontal line designated by U , which represents uptake. Absorption into the systemic circulation itself is identified by the symbol S . All pathways combine at U and then divide into n compartments. These compartments are designated by the n exponential terms in the whole-body systemic uptake retention function $R_S(t)$ shown at the bottom of Figure 2.1.

The second translocation rate constant, which describes transfer from a compartment that feeds a systemic compartment via uptake into the systemic circulation, is obtained by multiplying the first translocation rate constant from the feed compartment to the systemic circulation by the coefficient C_{iS} of the exponential term in $R_S(t)$ that pertains to the pseudo catenary compartment of interest. For example, consider an ingestion intake where $f_1 = 1$ so that the translocation rate constant $k_{1,S}$ of 24 day^{-1} describes transfer from the stomach to the systemic circulation. To obtain the rate constant $k_{1,iS}$, which describes transfer from the stomach to the iS compartment, the rate constant $k_{1,S}$ is multiplied by the coefficient C_{iS} for the pseudo catenary compartment of interest.

Each i^{th} exponential term in $R_S(t)$ is treated as a deposition retention function of a pseudo catenary compartment, and each compartment is modeled to be cleared directly to systemic excretion E at an instantaneous fractional rate given by the effective rate constant a_i of the i^{th} exponential term. The effective fraction of an uptake U that passes into the i^{th} pseudo catenary compartment of the systemic whole body, as noted above, is given by the coefficient C_{iS} of the exponential term in $R_S(t)$.

Because the intake retention function $R_S(t)$ embodies, in principle, all of the dynamic processes that describe the metabolism of stable elements in the systemic whole body, including the recycling of elements, the intake function $I_S(t)$ which is derived from the function $R_S(t)$ also embodies all these metabolic processes plus the metabolic processes that occur in all of the compartments that feed the systemic circulation. It is fortunate that each exponential term of the uptake retention function for the systemic whole body

can be treated as a deposition retention function for a pseudo catenary compartment. It greatly simplifies the derivation of intake retention functions from the general catenary kinetics equation shown as equation 2.5.1 below.

Atoms of a radioelement that leave one of the pseudo catenary compartments of the systemic whole body are shown to go directly to systemic excretion, which is designated here by a horizontal line identified by E in Figure 2.1. The rate constant that describes the fractional rate of excretion from each iS compartment is the eigenvalue rate constant a_i in the exponential $\exp(-a_i t)$ of the uptake retention function $R_S(t)$. The i^{th} exponential term of $R_S(t)$ thus represents the deposition retention function for the iS compartment, and loss from this compartment is shown to go directly to excretion. Because parameter values in $R_S(t)$ are effective values that incorporate recycling, it can be shown that this interpretation is mathematically correct.

The line E is necessary for designating the fraction of excretion that leaves the systemic whole body via the fecal excretion pathway, and by all other pathways. The fraction f_f of systemic excretion via the fecal pathway is shown to enter feces directly. The primary pathway is probably that involving biliary excretion, which passes into the duodenum or first part of the small intestine. The systemic fecal excretion pathway is shown here to bypass the GI tract. Thus, the fraction f_f of systemic fecal excretion should be considered an effective value.

Although this model simplifies the mathematics, it is not realistic. Because of the lack of data for the systemic fecal excretion pathway, this simplifying assumption seems reasonable for developing bioassay models.

All systemic excretion, as well as direct fecal excretion, is shown in Figure 2.1 to end up in the compartment that is designated as the total excretion compartment. This compartment is treated as any other catenary compartment; is the last compartment of all catenary systems. The only removal process from this compartment is radioactive decay. Thus, the total removal rate constant k_j that describes removal from this compartment is set equal to the decay constant λ for a radioelement, or zero for a stable element.

Intake retention functions for acute inhalation can be obtained for specific organs, organ systems, and excretion by summing the functions for the appropriate compartments. This includes: (1) the nasal passages, compartments a and b; (2) the lungs, compartments c through j; (3) the GI tract, compartments l through 4; (4) the systemic whole body, compartments $1S$ through nS ; (5) a specific systemic organ x, compartments lx through nx corresponding to the exponential terms in the stable uptake retention function $R_x(t)$ for the organ x; (6) the accumulated total systemic excretion, compartment E; (7) the accumulated total fecal excretion, compartment 5; (8) the accumulated urinary excretion, which is obtained from the product of f_u times the intake retention function for compartment E if f_u is constant; and (9) the total body, which is the sum of (1) through (4) above. In the same way as above, intake retention functions can be obtained for ingestion intakes, instantaneous uptakes, or delayed uptakes through a wound.

To apply a general catenary kinetics equation, one must identify the appropriate chains of compartments, specify the translocation and total removal rate constants within each chain, and specify the decay constant for the radio-

element. Numerical values for the fraction of an intake expected in a compartment are easily obtained because the same recursive kinetics equation is used for each chain that leads to the compartment of interest.

2.5.1 Radioelement Intake Retention Function $i_n(t)$ for n^{th} Catenary Compartment

The concise catenary kinetics equation shown here as equation 2.5.1 can be applied to all of those catenary pathways that lead to an n^{th} compartment of interest to obtain the radioelement intake retention function $i_n(t)$ for that compartment:

$$i_n(t) = \sum_C F_C \left[\prod_{p=1}^{n-1} k_{p,p+1} \left[\sum_{j=1}^n \frac{e^{-k_j t}}{\prod_{p=1}^{j-1} (k_p - k_j)} \right] \right] \quad 2.5.1$$

where:

$i_n(t)$ = fraction of a single acute intake of radioelement expected at time t in n^{th} compartment,

C = one of the chains that leads to the n^{th} catenary compartment of interest,

F_C = fraction of intake deposited into the first compartment of chain C ,

$k_{p,p+1}$ = rate constant that describes transfer of element from p^{th} to $(p+1)^{\text{th}}$ compartment,

k_j = total rate constant that describes total removal of the radioelement from the j^{th} compartment, and given by the sum of the total biological removal rate constant K_j and the decay constant λ of the radionuclide, and

k_p = total rate constant describing removal from p^{th} compartment.

The subscript n on $i_n(t)$ is a general numerical index for the compartment of interest. For a given catenary pathway that leads to an n^{th} compartment of interest, n could have one value. For another pathway, the particular compartment of interest could then be symbolized by another value of n or perhaps the same value. For example, consider the intake retention function $i_d(t)$ for compartment d in the TB region of the respiratory tract. Three catenary systems contribute to the fraction of an inhalation intake that is present in compartment d . These are direct deposition for which $n=1$, translocation to compartment d from compartment f for which $n=2$, and translocation to compartment d from compartment g for which $n=2$.

In the case where two different compartments have the same value for transfer rate constant, $k_p = k_j$, one can make k_p a little different from k_j , and thus be able to use equation 2.5.1. The error is the same order of magnitude of the

difference assumed between k_p and k_i . Assuming a small difference, $<10 \text{ E-4\%}$, yields accurate results for I_n (Bi86).

The ICRP Publication 30 respiratory tract model provides the parameter values needed for the application of equation 2.5.1. The parameter values generally depend on the particle size distribution and the compound classification of the inhaled aerosol. Particles containing a radioelement and soluble materials that are translocated from compartments f and g to compartment d are assumed to instantaneously mix with the contents of d, which is cleared by translocation to the stomach. The translocation to the stomach, $S(1)$, from d is described by a translocation rate constant $k_{d,1}$, which can be obtained from the clearance half-time of 0.2 days given in ICRP Publication 30 for all compound classes.

Equation 2.5.1 is summed over three separate chains C in order to obtain the intake retention function $i_d(t)$ for compartment d in the TB region of the lungs. The radioelement intake retention function $i_L(t)$ for the lungs is obtained by repeating this procedure for the other lung compartments c, e, f, g, h, i, and j, all of which may or may not be applicable for each chemical compound classification. For example, for the highly transportable compound Class D, the clearance pathways designated by f and g are not used.

2.5.2 Inhalation Intake Retention Functions for Lungs

Figure 2.2 shows values for the stable element acute intake retention functions $I_L(t)$ for the lungs for Class D, Class W, and Class Y compounds and for the inhalation of 1 micrometer AMAD aerosols by Reference Man. The curves are for an intake at time zero. The plots show that in vivo lung counting can be a practical bioassay procedure for the highly transportable Class D compounds only if measurements are made soon after an exposure incident. Because of the large and early absorption into the systemic circulation, in vivo whole-body counting may be used as an alternative procedure for Class D compounds. Lung counting is applicable to Class Y compounds and practical for Class W compounds for tens of days post intake. For Class Y compounds, compartment j is a sink that will ultimately contain 0.00375 of an inhalation intake of a stable element contained in 1 micrometer AMAD aerosols. Thus, the limiting value for $I_L(t)$ is 0.00375 for stable Class Y compounds. Lung counting would not be a practical bioassay procedure for the inhalation of non-respirable particles having sizes above about 20 micrometers. However, GI tract counting and/or fecal analysis could then be practical. In accidental intake cases, these curves and a series of lung measurements can be compared in order to estimate the compound classes and intakes.

2.5.2.1 Inhalation Intake Retention Functions for GI Tract and Accumulated Feces

Figure 2.3 shows values for the acute intake retention functions for the GI tract contents and for the accumulated feces compartment for Class D, Class W, and Class Y compounds. The curves are for an inhalation of 1 micrometer AMAD aerosols at a time of zero. The functions were evaluated for the case where the fraction f_1 absorbed into the blood from the small intestine and the fraction f_f of systemic excretion via the fecal pathway are both zero.

The plots show that the GI tract segments can contain up to 40% of an inhalation intake of 1 micrometer AMAD aerosols, during the first weeks post intake.

This fact should be taken into consideration for the proper interpretation of a lung count or a whole body count when the GI tract contents contribute significantly to the response of the detector.

The plots show that the accumulated fecal compartment will contain up to about 60% of an element contained in an inhalation intake of 1 micrometer AMAD aerosols. In serious exposure cases, it is recommended that all of the fecal excretion over the first five or six days be collected and analyzed. This will make the measurements less sensitive to the model assumptions and will give a better estimate of the respiratory tract deposition cleared to the fecal excretion pathway.

2.5.2.2 Inhalation Intake Retention Functions for Systemic Whole Body and Urinary Excretion for Stable Cobalt

Figure 2.4 shows the expected systemic retention and urinary excretion after a single inhalation intake of stable cobalt. The plots apply to Class W compounds and 1 micrometer AMAD aerosols. The ICRP Publication 30 respiratory and GI tract models were used to obtain the values for these intake retention functions. The systemic whole-body uptake retention function $R_S(t)$ given in ICRP Publication 30 was used according to the procedure outlined in Figure 2.1. The value of 0.05 was used for the fraction f_1 of stable cobalt absorbed from the small intestine into the blood. The value of 0.8 was used for the fraction f_u of systemic excretion via the urinary pathway. We note that 0.8 for f_u was used based upon a better fit to the reported urine data used to obtain the ICRP Publication 30 model for stable cobalt.

Values that are plotted for stable cobalt include: (1) the systemic whole-body intake retention function, which gives the fraction of a single intake that is expected to be present in the systemic whole-body at time t post the intake; (2) the accumulated urine intake retention function, which gives the fraction of intake expected to be present at time t in accumulated urine; (3) the 1 day incremental urine intake retention function, which gives the fraction expected to be present at time t in an incremental sample of urine that is collected from day $t-1$ to t post intake; and (4) the instantaneous urine excretion rate function, which gives the instantaneous fraction of the intake that is expected to be excreted per day in the urine at time t post intake. When in vivo or in vitro bioassay measurements are made at time t , the intake is estimated by dividing the results corrected for decay by the value of the applicable stable element retention or excretion functions, respectively, evaluated at t .

It is not correct to consider an early 24 hour sample as an instantaneous daily rate of excretion. As can be seen from Figure 2.4, the incremental function for cobalt exceeds the instantaneous function at early times by a factor of 2. Only after about 10 days do values for these two functions come close to one another. Thus, a procedure that is used for evaluating spot urine measurements as instantaneous rates of excretion can give high estimates of the intake and associated dose equivalent.

The log-log plots of the urinary excretion of cobalt, following a single acute inhalation intake of 1 micrometer AMAD, Class W aerosols, approximate straight lines. One might conclude that the underlying metabolism, considering the normal variance that is expected in bioassay measurements, is best described by a power function in time. However, such a conclusion would be wrong because these plots are based upon linear first order kinetics that yield a sum of exponential terms with both positive and negative constant coefficients.

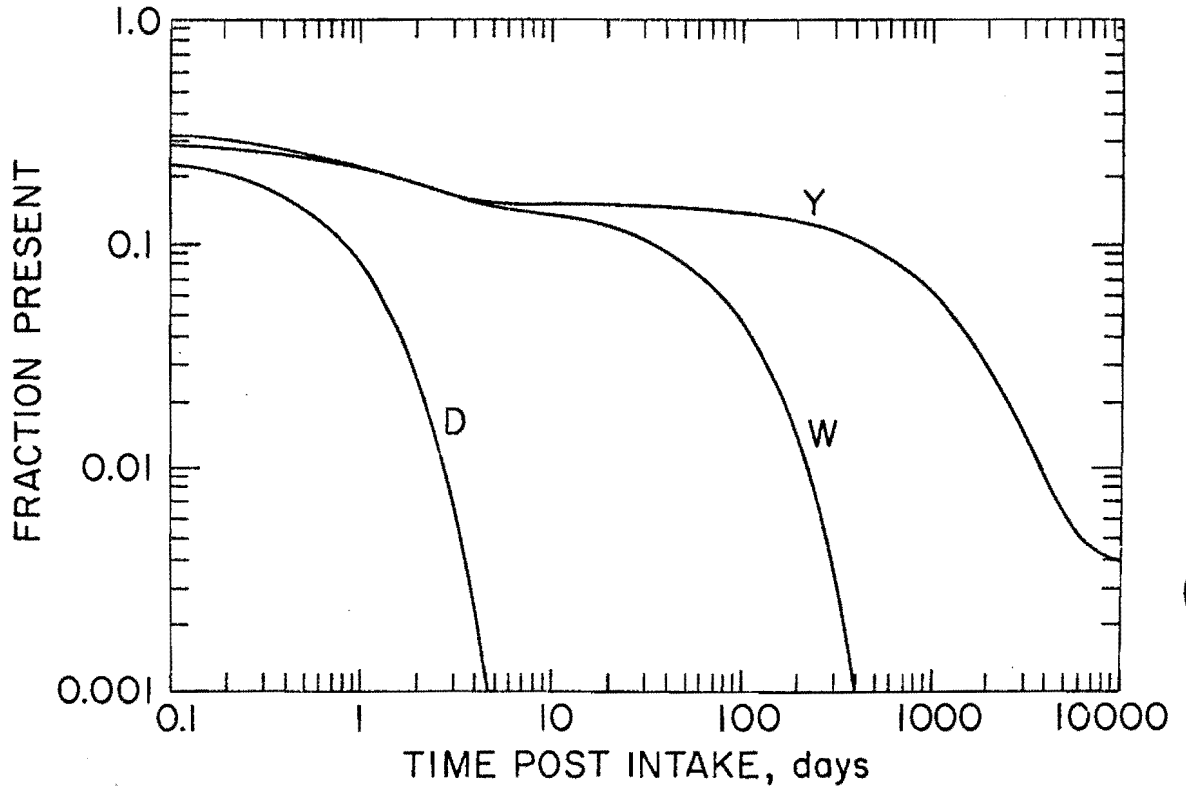


FIGURE 2.2 Inhalation intake retention functions for lungs for 1 micron AMAD aerosols of stable Class D, W, or Y compounds.

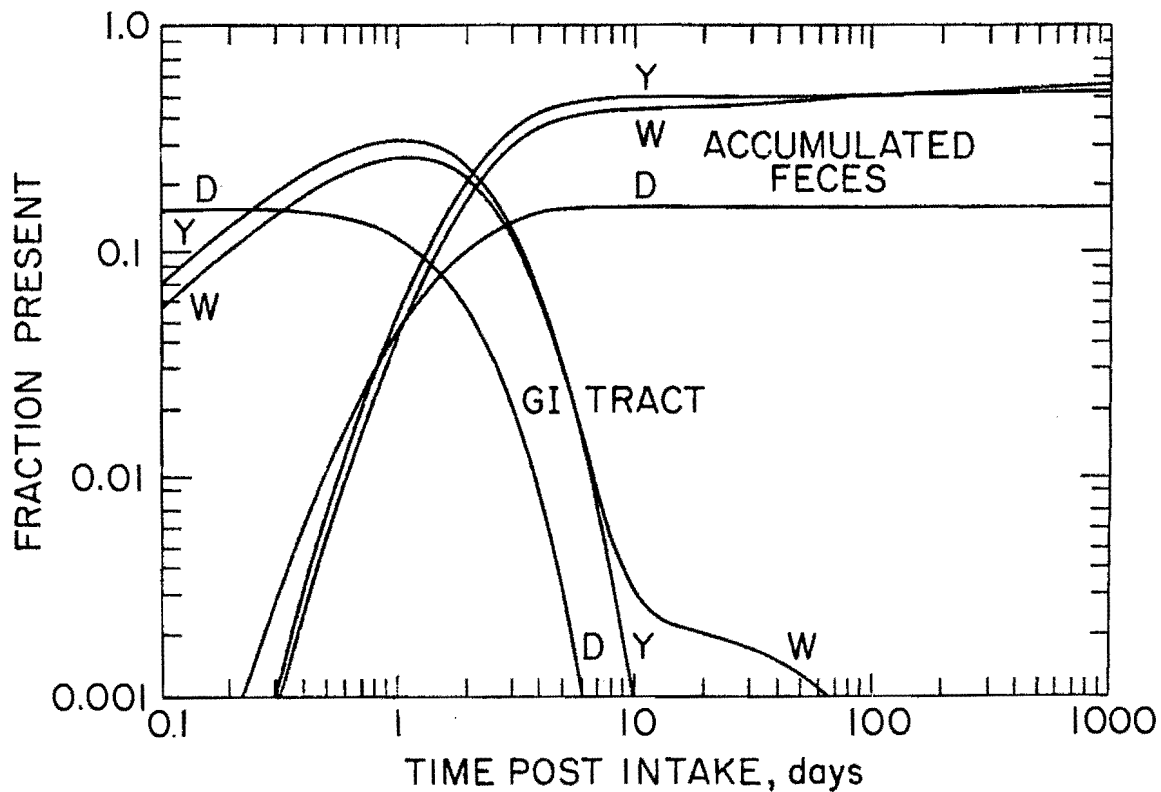


FIGURE 2.3 Inhalation intake retention functions for GI tract and accumulated feces for 1 micron AMAD aerosols of stable Class D, W, or Y compounds for which f_1 and f_f equal zero.

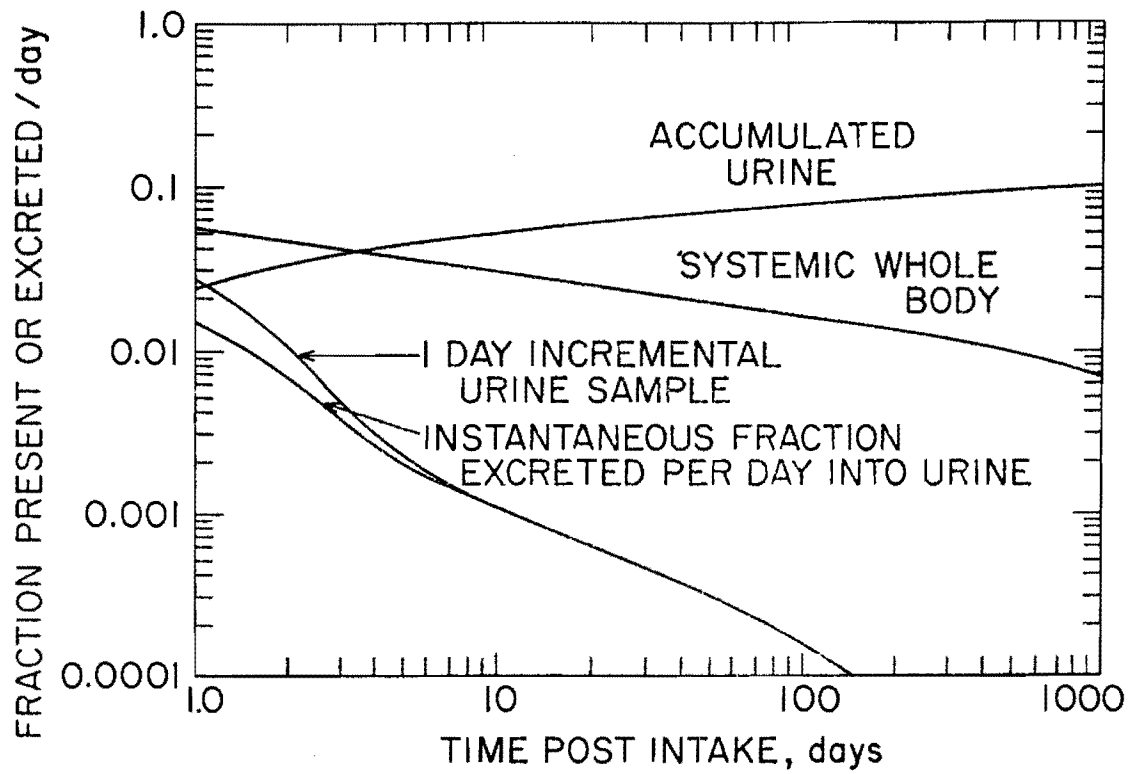


FIGURE 2.4 Systemic retention and urinary excretion post single inhalation intake of 1 micron AMAD aerosols of stable Class W cobalt for which $f_1 = 0.05$ and $f_u = 0.8$.

The straightness of these excretion curves are fortuitous. In fact, these curves embody: (1) the translocation of cobalt in and absorption of cobalt from compartments within the respiratory and GI tracts; (2) the delay in uptake of cobalt from these compartments; (3) the metabolism of cobalt within the systemic whole body including the recirculation of cobalt between cells and extracellular fluid; and (4) the final excretion of cobalt from the body, partially within urine.

To make an initial assessment of the significance of bioassay results, we recommend the use of intake retention functions that are based upon the ICRP or other appropriate Reference Man metabolic models. If the metabolic models are based upon the ICRP Publication 30 models, then the assessment will be consistent with annual limit on intake and derived air concentration quantities. In serious exposures, appropriate follow-up bioassay procedures should be used, along with information on the physical and chemical forms of radionuclides, in order to make a better estimate of the intake and dose and in order to provide guidance on possible medical procedures that might be used to reduce the committed dose. It would be difficult, in the usual case, to obtain values of all parameters for each exposed person. For practicality and other reasons, Reference Man metabolic models are best suited to the assessment of the significance of the bioassay data of workers in terms of estimated intakes. However, if suitable parameter values can be obtained for a specific individual, then they should be used to interpret the bioassay measurements, and these parameter values should be introduced to the available literature on radiation protection.

3. RETENTION AND EXCRETION FRACTION TABLES

3.1 Description of Tables

In the tables in Appendix B, the intake retention fractions are for particular in vivo and in vitro compartments of interest at various times after single intake. The tables in Appendix B are applicable to inhalation of Class D, Class W, and Class Y aerosols of 1 micrometer AMAD or to ingestion intakes. In most instances, the IRFs are listed for the stable element plus common radioisotopes of the element. In all, tables for about 200 nuclides are included for assessing inhalation and ingestion intakes. The IRFs which are listed for Class D, Class W, Class Y and ingestion are in Sections 2, 3, 4 and 5 respectively. All values of IRFs are expressed in exponential notation; for example, $3.78 \text{ E-}02$ is 0.0378. The IRF values have three significant figures and values were rounded originally from calculations which were done using double-precision mathematics functions. Time after single intake is given in units of days, and in many tables time extends to 20,000 days after a single intake. An IRF cutoff of $1.0 \text{ E-}08$ was chosen as an endpoint; thus, the in vivo and in vitro IRF values extend to all points in time that may be of practical interest.

The IRFs apply to in vivo measurements for the systemic organs, lungs, nasal passages, gastrointestinal tract and total body. The total body IRFs are the sum of IRFs for systemic and non-systemic compartments, and they are useful for whole-body counting measurements when the field of view is the total body. For example, the IRFs for inhalation of Class W lanthanum 140 for one day after intake are $4.75 \text{ E-}02$ for the systemic organs, $1.39 \text{ E-}01$ for the lungs, $3.26 \text{ E-}02$ for the nasal passages, $1.75 \text{ E-}01$ for the gastrointestinal tract, and $3.95 \text{ E-}01$ for the total body. Thus, nearly 40% of an inhalation intake of 1 micro-

meter Class W aerosols of lanthanum 140 remains in the total body at one day after single intake; 14% of the intake is in the lungs, 18% in the gastrointestinal tract, 3% in the nasal passage, while only 5% has been absorbed and retained in the systemic region of the body. Since lanthanum 140 is a gamma emitter, an in vivo measurement is useful to estimate intake using the IRFs. The intake is estimated by simply dividing the measurement by the IRF.

Tables of IRFs for excretion compartments are given except for elements that are not significantly eliminated from the whole body, for example fluorine. In many instances, the IRFs are listed for 24-hour urine, accumulated urine, 24-hour feces and accumulated feces. These 24-hour IRF values are incremental values while all other IRFs listed in all the tables are instantaneous values. In some cases, the fractions of systemic burden excreted via the feces (f_f) and the fraction excreted via the urine pathway (f_u) are unknown. Thus, elimination of the uptake is defined as that which goes to a systemic excreta compartment.

For nuclides with undefined f_f or f_u , there is an estimate of the portion of the intake that is deposited in the respiratory tract and directly eliminated via the gastrointestinal tract into the feces. Therefore, IRFs are listed for 24-hour feces and accumulated feces for that portion of the respiratory tract deposit that is not absorbed into the systemic region of the body. In order to obtain the total IRF for total excreta, one would add the IRF for systemic and non-systemic excreta. For example, the total fraction of intake in a 24-hour systemic plus non-systemic sample, which may be the total radioactivity in a urinary plus a fecal sample, is $2.79E-02$ for inhalation of Class W lanthanum 140 at one day after single intake. In this case, virtually none of the excreted lanthanum 140 comes from the systemic uptake; only $9.22 E-06$. In cases where the fraction via urine and the fraction via feces are not defined, it may be prudent to examine the systemic and non-systemic IRFs which are listed for excreta and determine if measurement on feces or urine or both would provide adequate information. In this example, measurements on a 24-hour fecal sample would suffice for lanthanum 140.

In many instances, we provide tables which describe IRFs for stable isotopes of the elements. These tables may be useful in determining the IRFs for a radioactive isotope of an element, for which there is no tabulation. The approach is to multiply the stable IRF by the decay factor associated with the radionuclide. For example, the IRF for the total body for stable iodine for 10 days after ingestion is $2.96 E-01$. If the nuclide of interest is iodine 125, then the IRF is the product of the decay factor evaluated for 10 days of decay and the stable iodine IRF or $(2.96 E-01) \times (8.91 E-01) = 2.64 E-01$.

3.2 Best Estimate of Intake from Several Bioassay Measurements

Following an accidental inhalation or ingestion, several in vitro or in vivo measurements for an individual are desirable in order to reduce the propagation of the day-to-day variation associated with a sample measurement. A regression should be used in order to best fit all the measurements, and the following analytical method is recommended:

$$I = \frac{\sum_i \text{IRF}(i) A(i)}{\sum_i \text{IRF}(i)^2} \quad 3.2$$

where:

I = best estimate of intake with units the same as $A(i)$,

$IRF(i)$ = intake retention fraction associated with the i th measurement,

$A(i)$ = value of the i th measurement with appropriate units; for example, Bq, μ Ci or μ g.

A more detailed explanation and description of use of equation 3.2 may be found in the examples which are covered in Appendix A.

4. USE OF RETENTION FRACTIONS TO CALCULATE INTERNAL DOSE

4.1 An Example of Use for Inhalation of Class D I-131

The following example illustrates how IRFs may be used to interpret bioassay measurements. Additional examples of use of the IRF values for the evaluation of actual exposure cases are given in Appendix A.

A radiopharmacist was measured for I-131 in the thyroid on May 5, 1986 at the whole-body counter at a national laboratory. The measurement followed a routine area survey which occurred two days before and which revealed loose contamination in the radiopharmacy. The thyroid burden measurement and the subsequent discussion with the radiopharmacist indicated to the local safety representative and to a health physicist that an inhalation intake of $3.1 \text{ E}+05$ Bq (8.3 uCi) I-131 occurred on April 7, 1986, and that some additional I-131 was spattered about the work area. The thyroid dose equivalent was initially estimated to be 0.091 Sv (9.1 rem) and minor contamination was found on the radiopharmacist's car on May 6 and on his clothing on May 7, 1986. The type of whole-body counter used to measure thyroid activity was a single large NaI crystal which viewed the upper torso in addition to the thyroid.

The estimated thyroid dose equivalent exceeded the Department of Energy quarterly limit of 0.05 Sv (5 rem). On the other hand, it was less than the 0.5 Sv (50 rem) annual limit recommended by the International Commission on Radiological Protection (ICRP), and it was not in excess of the Department of Energy annual limit of 0.15 Sv (15 rem). However, it indicated inadequacies in the radiation protection program.

The work was planned to occur in a fume hood. Instead, this work was done in a laminar flow cabinet with an exhaust. The guide for laboratory workplace standards for dispersible radionuclides indicated to the safety representative that a more stringent workplace was required which in this case would have been a glove box since the radiopharmacist had no previous experience with I-131. Additionally, the April 7th work proceeded in a hurried manner and the radiopharmacist may have opened the vial containing I-131 in the room and not in the laminar cabinet, plus he added the wrong reagents.

The reagent error was corrected the following day but it was done by another person, who was unfamiliar with this work and it was done using new techniques, and was the likely cause of the spattered I-131. All persons associated with this work were subsequently checked for contamination but only the radiopharmacist was contaminated. Additionally, this work was repeated twice on April 22, 1986 in the laminar flow cabinet and the radiopharmacist did not

have contamination on his hands afterwards. However, all the April 22, 1986 work was performed according to written procedure and no errors were made.

The health physicist and safety representative recommended that the following interim steps be taken immediately but they were not listed in order of importance:

- All sealed vials with MBq (mCi) amounts of I-131 are to be refrigerated prior to opening, are to experience minimal exposure to light, and only be opened in a fume hood. Most of the procedure is to be performed in a fume hood and the procedure should be performed by trained personnel.
- The procedure should be written down, and if changed at a later time, then the safety representative should be informed. The written procedure should be reviewed and approved.
- A thin-window pancake Gieger-Muller instrument should be purchased and used in order to check for contamination. The radiopharmacist should be trained to monitor hands, clothing, and the work area following each work session. The instrument previously used was somewhat insensitive to beta, and his monitoring technique needed improvement.

Subsequent to the initial assessment by the safety representative and the health physicist, a formal investigation occurred. It was learned that the I-131 compound was a fatty acid and its distribution and retention were different from that chosen for the original dose assessment. Follow-up counting, with a multi-crystal whole-body counter, located 40% of the activity fixed in the heart and lung regions. Based on the new information, the I-131 intake was reassessed:

Table 4.1.1 Example of Intake Estimate for Iodine-131 Exposure Using Two Different Measuring Devices and Thyroid IRFs

Time After Accident, Days	Fraction of Intake Retained in Thyroid, IRF ^a	Thyroid Measurement Bq (μCi)	Estimated Intake, Bq (μCi)	Comment
28	0.0138	4.3 E+03 (0.115)	3.1 E+05 (8.3)	Single crystal torso detector, 100% in thyroid (assumed)
39	.00505	1.0 E+03 (0.0270)	2.0 E+05 (5.4)	Multi-crystal whole-body detector, 60% in thyroid (measured)

^a Fractions obtained from interpolation of values in Appendix B, page B-103.

Because the intake could have occurred on April 22nd rather than April 7th, a urinary sample was taken on the day of the second whole-body count. The ratio of measured 24-hour urine activity to thyroid activity was $7.0 \text{ E-}03$. The ratio of 24-hour urine IRF to thyroid IRF on day 39 after the accident was $6.13 \text{ E-}03$. The IRFs for this ratio are obtained from interpolation of the values in Appendix B. If the accident occurred on April 22nd, the IRF ratio would be $4.9 \text{ E-}03$. Thus, April 7th appeared to be the day of intake. However, the metabolism of fatty acid I-131 has unknown impact on the IRF as used in this case, thus the events as described by the radiopharmacist are equally important in setting the date of exposure.

The DOE limit for organ dose equivalent for workers is in terms of quarterly and annual dose equivalent, thus the dose conversion factors, Sv/Bq (rem/ μ Ci) inhaled, must be in terms of quarterly or annual dose equivalent per Bq (Ci) inhaled. For the thyroid, the limits are 0.05 Sv (5 rem) per quarter and 0.015 Sv (15 rem) per year. However, the half-life of I-131 is short compared to 13 weeks, thus the ICRP Publication 30 value for the committed thyroid dose equivalent per unit activity inhaled may be applied in order to estimate organ dose equivalent received in one quarter year:

$$2.0 \text{ E+}05 \text{ Bq} \times \frac{2.9 \text{ E-}07 \text{ Sv}}{\text{Bq inhaled}} = 5.8 \text{ E-}02 \text{ Sv} \text{ (5.8 rem) to thyroid}$$

The remaining activity, which was in the heart and lung regions, appeared to decay according to the 8.04 day half-life of I-131. It was assumed that this activity was distributed over a larger mass than that associated with the thyroid. Thus, the thyroid activity resulted in the largest organ dose equivalent. By assuming a weighting factor of 0.06, a mass of 332 grams and an estimated uptake of $1.9 \text{ E+}04 \text{ Bq}$ ($0.52 \mu\text{Ci}$) for the heart, a weighted committed heart dose equivalent of $1.1 \text{ E-}04 \text{ Sv}$ (0.011 rem) is computed. Adding this value to the weighted thyroid dose equivalent, which is $1.7 \text{ E-}03 \text{ Sv}$ (0.17 rem) which is calculated by using a weight of 0.03 (ICRP77), yields a committed effective dose equivalent of $1.8 \text{ E-}03 \text{ Sv}$ (0.18 rem).

5. DESIGN AND CONDUCT OF A BIOASSAY PROGRAM

5.1 Derived Investigation Levels

To demonstrate how intake retention functions can be used for the design and conduct of a bioassay program, derived investigation levels have been calculated for 24-hour incremental urine samples. The levels were determined by multiplying values of the incremental urine intake-retention function by an investigation level based upon 5% ALI, or an investigation level based upon the ICRP Publication 26 recommendation of $0.3 \times f \times \text{ALI}$, where f is the fraction of the year to which the monitoring applies. Values for an inhalation intake of Class W, 1 micrometer AMAD aerosols of 70.8 day Co-58 are summarized in Table 5.1.1. The value for the ALI is $4 \times 10^7 \text{ Bq}$ ($1.1 \times 10^3 \mu\text{Ci}$), which is the stochastic value given in ICRP Publication 30 based upon consideration of limiting the risk from stochastic effects to that corresponding to a whole-body committed effective dose equivalent of 0.05 Sv (5 rem). Thus, the 5% ALI-based derived investigation level corresponds to a committed effective dose equivalent of 2.5 mSv (250 mrem) to the whole body of Reference Man. Monitoring is assumed to take place every t days post intake; thus, the fraction f of the year is calculated here by dividing the time t in days by 365 days. The daily frequencies of monitoring associated with small values of

t would not be realistic. However, an investigation is normally triggered by a single measurement and it is most appropriate to base the derived investigation level on the fraction of three-tenths of the limit corresponding to the fraction of the year to which the monitoring of an individual refers. Numerical values are shown for the purpose of comparing these two definitions of an investigation level. Because the ICRP Publication 26 investigation level depends on the frequency of monitoring, the ICRP Publication 26 based values first decrease to about 5 days but then increase over a small time period before decreasing again. It is noted that NRC has not yet recommended these methods of determining derived investigation levels.

Table 5.1.1 Derived Investigation Levels for Urine Samples and Time Post Intake of Class W, 1 Micrometer AMAD Aerosols of 70.8 Day Co-58

TIME POST INTAKE	FRACTION OF INTAKE IN 24-HOUR URINE SAMPLE	DERIVED INVESTIGATION LEVELS			
		FOR 5% of ALI		FOR 0.3xfxALI	
		Bq	(nCi)	Bq	(nCi)
1	2.56E-02	5.12E04	(1.38E03)	8.41E02	(2.27E01)
2	1.08E-02	2.16E04	(5.84E02)	7.11E02	(1.92E01)
5	2.16E-03	4.31E03	(1.17E02)	3.55E02	(9.60E00)
7	1.56E-03	3.13E03	(8.47E01)	3.60E02	(9.74E00)
10	1.15E-03	2.31E03	(6.24E01)	3.79E02	(1.03E01)
20	5.47E-04	1.10E03	(2.96E01)	3.60E02	(9.72E00)
100	7.23E-05	1.45E02	(3.91E00)	2.38E02	(6.42E00)

5.2 Frequency of Monitoring

The minimum frequency of monitoring can be determined from the derived investigation levels shown in Table 5.1.1. To demonstrate this application, suppose that an analytical procedure has a minimum detectable activity of 111 Bq (3 nCi). From values that are summarized in Table 5.1.1 for a constant investigation level of 0.05 ALI, the minimum frequency of monitoring is approximately every 100 days since the derived investigation level approaches the minimum detection limit. Obviously, other factors such as the potential for exposure and the exposure history should be considered in the establishment of the bioassay monitoring frequency. If air monitoring data and the exposure history of workers show little potential and infrequent and insignificant exposures, the frequency of monitoring can be relaxed. The potentially highest exposed workers can be randomly selected for bioassays as a quality control procedure, and operational monitoring can be used to demonstrate the adequacy of the internal radiation protection programs.

In considering other factors, the exposure history is important since continuous or multiple exposures to nuclides with long half-lives and long retentions limit the usefulness of single intake IRFs for the derivation of investigation levels. Continuous intake IRF values and corresponding derived investigation levels could then be used. However, for most radiation workers in nuclear medicine, in nuclear power plants, and in the national laboratories, inhalation and ingestion of radioactive materials are not planned to occur; rather, acute intake following an unplanned exposure is encountered. Thus, single intake IRFs are useful for the derivation of investigation levels.

Intake retention functions can be used to determine those routine bioassay procedures that have sufficient sensitivity and accuracy for the internal radiation protection program. Consider, for example, the appropriateness of lung counting for Pu-239 as a routine bioassay procedure. The draft ANSI 13.30 standard, "Draft Performance Criteria for Radiobioassay," specifies the acceptable minimum detectable activity as 190 Bq (5 nCi) L X-rays per nuclear transformation for lung counting of transuranics (ANSI86). This value is acceptable since it represents the current state of the art. For the reported L X-ray yield of Pu-239 of 4.2% (ICRP83), this corresponds to an acceptable minimum detectable activity of 4.4 kBq (120 nCi). Based upon approximately 0.15 of an intake of Class W and Class Y compounds expected to be present in the lungs at 7 days, this corresponds to a minimum detectable intake of 2.9×10^4 Bq (790 nCi). The Class W and Class Y ALIs for Pu-239 are respectively 200 Bq (5.4 nCi) and 500 Bq (14 nCi). Thus, the minimum detectable intake corresponds to 150 ALI for Class W and 56 ALI for Class Y compounds of Pu-239 and committed doses to bone surfaces of 73 Sv (7,300 rem) and 28 Sv (2,800 rem) respectively. Although lung counting may be useful for very large accidental exposures to Pu-239, it should not be relied upon as the primary routine bioassay procedure. Other internal dose assessment procedures, such as fecal monitoring, attocurie-level urine monitoring (Mo86), or the use of personal breathing zone air samplers (Sk85) should be used for assuring adequate protection from exposures involving Pu-239.

Urinary monitoring for Pu-239 may be a good choice if sufficient sensitivity is available. Recent advances in radiochemical separation of Pu in urine, in the presence of uranium, have resulted in a technique which has a minimum detectable activity (MDA) of 90 attocuries per liter for a one day urine sample (see ANSI86 for the MDA equations for bioassay). The new system relies on a fluence of neutrons and the fissioning of Pu. However, even with attocurie sensitivity for Pu-239 for urine, the estimate of intake relies on associating the activity in urine with 1.0×10^{-4} to 1.0×10^{-7} of the activity inhaled or ingested. Thus, several urinary measurements are needed in order to reduce the order-of-magnitude uncertainty associated with variation in Pu excretion due to diet. On the other hand, recent work by Jones on a urinary excretion function for Pu shows realistic estimates of uptake are obtained from sets of urinary measurements when judged against autopsy data (Jo85). Better agreement of the estimate of uptake from urinary results with autopsy results will occur if new values for retention of Pu in bone and liver are adopted by ICRP (ICRP85). Thus, urinary monitoring of Pu-239 is very appropriate, provided sufficient sensitivity is available. Because the annual limit of intake is based on the radiotoxic effects to bone, urinary monitoring may be more appropriate than feces monitoring, which may be associated mainly with the lung and gastrointestinal deposit of Pu-239.

5.3 Table of Derived Investigation Levels

To demonstrate how intake retention fractions can be used for the design and conduct of a bioassay program, derived investigation levels (DILs) have been calculated for some in-vivo or in-vitro compartments of interest. The levels were determined based upon the ICRP Publication 26 recommendation of $0.3 \times f \times$ ALI, where f is the fraction of the year to which the routine monitoring applies, and ALI is the annual limit on intake from ICRP Publication 30. Values for inhalation and ingestion intake of tritiated water, Co-60, I-131, Cs-137, Sr-90, U-238, Pu-239 and Am-241 are summarized in Table 5.3.1.

Table 5.3.1 Derived Investigation Levels for An Acute Intake

Time Post Intake, days	IRF In Compartment			DIL In Compartment, Bq		
	Lungs	Total Body	24-Hour Urine	Lungs	Total Body	24-Hour Urine
Tritiated Water, Ingestion or Inhalation, ALI = 2.55 E+09 Bq						
1.0		9.32E-01	3.92E-02		1.95E+06	8.22E+04
5.0		7.05E-01	2.96E-02		7.39E+06	3.10E+05
10.0		4.97E-01	2.09E-02		1.04E+07	4.38E+05
30.0		1.22E-01	5.14E-03		7.67E+06	3.23E+05
100.0		9.12E-04	3.83E-05		1.91E+05	8.03E+03
200.0		8.32E-07	3.49E-08		3.49E+02	1.46E+01
365.0		-	-		-	-
Co-60, Ingestion, ALI = 2.02E+07 Bq						
1.0		7.06E-01	1.25E-02		1.17E+04	2.08E+02
5.0		3.54E-02	8.48E-04		2.94E+03	7.04E+01
10.0		1.43E-02	4.52E-04		2.37E+03	7.50E+01
30.0		8.80E-03	7.21E-05		4.38E+03	3.59E+01
100.0		5.95E-03	1.51E-05		9.88E+03	2.51E+01
200.0		4.38E-03	6.14E-06		1.45E+04	2.04E+01
365.0		3.28E-03	2.57E-06		1.99E+04	1.56E+01
Co-60, Class W Inhalation, ALI = 5.43E+06 Bq						
1.0	2.11E-01	5.66E-01	2.59E-02	9.42E+02	2.53E+03	1.16E+02
5.0	1.44E-01	2.06E-01	2.26E-03	3.21E+03	4.60E+03	5.04E+01
10.0	1.32E-01	1.63E-01	1.27E-03	5.89E+03	7.27E+03	5.67E+01
30.0	1.01E-01	1.23E-01	4.48E-04	1.35E+04	1.65E+04	6.00E+01
100.0	4.03E-02	5.77E-02	1.85E-04	1.80E+04	2.58E+04	8.26E+01
200.0	1.07E-02	2.44E-02	6.86E-05	9.55E+03	2.18E+04	6.12E+01
365.0	1.47E-03	1.16E-02	1.77E-05	2.39E+03	1.89E+04	2.88E+01
Co-60, Class Y Inhalation, ALI = 8.47E+05 Bq						
1.0	2.13E-01	5.83E-01	4.64E-03	1.48E+02	4.06E+02	3.23E+00
5.0	1.52E-01	1.90E-01	8.17E-04	5.29E+02	6.61E+02	2.84E+00
10.0	1.48E-01	1.57E-01	3.33E-04	1.03E+03	1.09E+03	2.32E+00
30.0	1.43E-01	1.49E-01	6.43E-05	2.99E+03	3.11E+03	1.34E+00
100.0	1.30E-01	1.34E-01	2.60E-05	9.05E+03	9.33E+03	1.81E+00
200.0	1.13E-01	1.17E-01	1.99E-05	1.57E+04	1.63E+04	2.77E+00
365.0	9.08E-02	9.37E-02	1.64E-05	2.31E+04	2.38E+04	4.17E+00

Table 5.3.1 continued

Time Post Intake, days	IRF In Compartment			DIL In Compartment, Bq		
	Lungs	Total Body	24-Hour Urine	Lungs	Total Body	24-Hour Urine
Sr-90, Ingestion, ALI = 1.00E+06 Bq						
1.0		7.15E-01	5.85E-02		5.88E+02	4.81E+01
5.0		1.58E-01	1.30E-02		6.49E+02	5.34E+01
10.0		9.90E-02	5.60E-03		8.14E+02	4.60E+01
30.0		6.04E-02	3.41E-04		1.49E+03	8.41E+00
100.0		5.11E-02	7.15E-05		4.20E+03	5.88E+00
200.0		4.44E-02	4.21E-05		7.30E+03	6.92E+00
365.0		3.80E-02	2.37E-05		1.14E+04	7.11E+00
Sr-90, Class D Inhalation, ALI = 7.00E+05 Bq						
1.0	7.97E-02	5.05E-01	8.57E-02	4.59E+01	2.91E+02	4.93E+01
5.0	5.80E-04	2.67E-01	2.45E-02	1.67E+00	7.68E+02	7.05E+01
10.0	8.96E-07	1.78E-01	1.04E-02	5.16E-03	1.02E+03	5.98E+01
30.0	0.00	1.06E-01	6.21E-04	0.00	1.83E+03	1.07E+01
100.0		8.99E-02	1.26E-04		5.17E+03	7.25E+00
200.0		7.81E-02	7.42E-05		8.99E+03	8.54E+00
365.0		6.68E-02	4.18E-05		1.40E+04	8.78E+00
Sr-90, Class Y Inhalation, ALI = 1.00E+05 Bq						
1.0	2.13E-01	5.86E-01	1.34E-03	1.75E+01	4.81E+01	1.10E-01
5.0	1.53E-01	1.85E-01	4.22E-04	6.29E+01	7.60E+01	1.73E-01
10.0	1.48E-01	1.52E-01	1.87E-04	1.22E+02	1.25E+02	1.54E-01
30.0	1.45E-01	1.47E-01	2.32E-05	3.58E+02	3.62E+02	5.72E-02
100.0	1.34E-01	1.36E-01	1.55E-05	1.10E+03	1.12E+03	1.28E-01
200.0	1.20E-01	1.22E-01	1.50E-05	1.97E+03	2.01E+03	2.47E-01
365.0	1.00E-01	1.03E-01	1.47E-05	3.00E+03	3.09E+03	4.41E-01
I-131, Class D Inhalation, ALI = 1.85E+06 Bq						
1.0	1.33E-01	2.74E-01	3.04E-01	2.02E+02	4.17E+02	4.62E+02
5.0	1.20E-01	1.25E-01	1.31E-03	9.12E+02	9.50E+02	9.96E+00
10.0	7.51E-02	8.00E-02	1.88E-04	1.14E+03	1.22E+03	2.86E+00
30.0	1.16E-02	1.32E-02	6.25E-05	5.29E+02	6.02E+02	2.85E+00
100.0	1.80E-05	2.11E-05	1.24E-07	2.74E+00	3.21E+00	1.89E-02
200.0	-	-	-	-	-	-
365.0	-	-	-	-	-	-

Table 5.3.1 continued

Time Post Intake, days	IRF In Compartment			DIL In Compartment, Bq		
	Lungs	Total Body	24-Hour Urine	Lungs	Total Body	24-Hour Urine
I-131, Ingestion, ALI = 1.33E+06 Bq						
1.0	2.54E-01	3.21E-01	6.43E-01	2.78E+02	3.51E+02	7.03E+02
5.0	1.88E-01	1.94E-01	1.49E-03	1.03E+03	1.06E+03	8.14E+00
10.0	1.17E-01	1.25E-01	8.76E-04	1.28E+03	1.37E+03	9.58E+00
30.0	1.82E-02	2.06E-02	1.16E-04	5.97E+02	6.76E+02	3.80E+00
100.0	2.82E-05	3.29E-05	1.66E-07	3.08E+00	3.60E+00	1.81E-02
200.0	-	-	-	-	-	-
365.0	-	-	-	-	-	-
Cs-137, Ingestion, ALI = 3.57E+06 Bq						
1.0		9.66E-01	2.70E-02		2.83E+03	7.92E+01
5.0		8.90E-01	1.03E-02		1.31E+04	1.51E+02
10.0		8.48E-01	5.32E-03		2.49E+04	1.56E+02
30.0		7.44E-01	3.76E-03		6.55E+04	3.31E+02
100.0		4.76E-01	2.41E-03		1.40E+05	7.07E+02
200.0		2.52E-01	1.27E-03		1.48E+05	7.45E+02
365.0		9.24E-02	4.68E-04		9.90E+04	5.01E+02
Cs-137, Class D Inhalation, ALI = 5.60E+06 Bq						
1.0	7.97E-02	6.22E-01	1.35E-02	3.67E+02	2.86E+03	6.21E+01
5.0	5.80E-04	5.72E-01	7.16E-03	1.33E+01	1.32E+04	1.65E+02
10.0	8.96E-07	5.43E-01	3.51E-03	4.12E-02	2.50E+04	1.61E+02
30.0	0.00E+00	4.76E-01	2.41E-03	0.00E+00	6.57E+04	3.33E+02
100.0	-	3.05E-01	1.54E-03	-	1.40E+05	7.09E+02
200.0	-	1.61E-01	8.16E-04	-	1.48E+05	7.51E+02
365.0	-	5.93E-02	3.00E-04	-	9.96E+04	5.04E+02
U-238, Class D Inhalation, ALI = 5.01E+04 Bq						
1.0	7.97E-02	4.10E-01	1.87E-01	3.28E+00	1.69E+01	7.70E+00
5.0	5.81E-04	1.68E-01	1.31E-02	1.20E-01	3.46E+01	2.70E+00
10.0	8.96E-07	1.21E-01	7.26E-03	3.69E-04	4.98E+01	2.99E+00
30.0	0.00E+00	5.06E-02	1.71E-03	0.00E+00	6.25E+01	2.11E+00
100.0		1.47E-02	1.11E-04		6.05E+01	4.57E-01
200.0		1.15E-02	5.15E-06		9.47E+01	4.24E-02
365.0		1.11E-02	1.72E-06		1.67E+02	2.59E-02

Table 5.3.1 continued

Time Post Intake, days	IRF In Compartment			DIL In Compartment, Bq		
	Lungs	Total Body	24-Hour Urine	Lungs	Total Body	24-Hour Urine
U-238, Class W Inhalation, ALI = 2.52E+04 Bq						
1.0	2.11E-01	5.57E-01	4.13E-02	4.37E+00	1.15E+01	8.55E-01
5.0	1.45E-01	2.03E-01	2.69E-03	1.50E+01	2.10E+01	2.79E-01
10.0	1.32E-01	1.59E-01	1.75E-03	2.73E+01	3.29E+01	3.62E-01
30.0	1.02E-01	1.17E-01	7.28E-04	6.34E+01	7.27E+01	4.52E-01
100.0	4.18E-02	4.81E-02	2.43E-04	8.66E+01	9.96E+01	5.03E-01
200.0	1.15E-02	1.57E-02	7.49E-05	4.76E+01	6.50E+01	3.10E-01
365.0	1.66E-03	5.14E-03	1.29E-05	1.25E+01	3.89E+01	9.75E-02
U-238, Class Y Inhalation, ALI = 1.51E+03 Bq						
1.0	2.13E-01	5.85E-01	2.23E-03	2.64E-01	7.26E-01	2.77E-03
5.0	1.53E-01	1.83E-01	1.31E-04	9.49E-01	1.14E+00	8.13E-04
10.0	1.48E-01	1.50E-01	8.42E-05	1.84E+00	1.86E+00	1.04E-03
30.0	1.45E-01	1.46E-01	3.27E-05	5.40E+00	5.43E+00	1.22E-03
100.0	1.35E-01	1.35E-01	1.87E-05	1.68E+01	1.68E+01	2.32E-03
200.0	1.22E-01	1.22E-01	1.81E-05	3.02E+01	3.03E+01	4.49E-03
365.0	1.03E-01	1.04E-01	1.82E-05	4.67E+01	4.71E+01	8.26E-03
U-238, Ingestion, ALI = 7.33E+06 Bq						
1.0		7.01E-01	2.76E-01		4.22E+03	1.66E+03
5.0		3.37E-02	2.89E-02		1.02E+03	8.71E+02
10.0		1.23E-02	2.00E-04		7.41E+02	1.20E+01
30.0		5.14E-03	0.00		9.29E+02	0.00
100.0		1.50E-03	-		9.04E+02	-
200.0		1.18E-03	-		1.42E+03	-
365.0		1.14E-03	-		2.51E+03	-
Pu-239, Class W Inhalation, ALI = 2.03E+02 Bq						
1.0	2.11E-01	5.96E-01	2.83E-04	3.52E-02	9.94E-02	4.72E-05
5.0	1.45E-01	2.45E-01	5.39E-05	1.21E-01	2.04E-01	4.50E-05
10.0	1.32E-01	2.09E-01	2.54E-05	2.20E-01	3.49E-01	4.24E-05
30.0	1.02E-01	1.86E-01	1.76E-05	5.11E-01	9.31E-01	8.81E-05
100.0	4.18E-02	1.42E-01	1.12E-05	6.97E-01	2.37E+00	1.87E-04
200.0	1.15E-02	1.21E-01	7.89E-06	3.84E-01	4.04E+00	2.63E-04
365.0	1.66E-03	1.14E-01	4.96E-06	1.01E-01	6.94E+00	3.02E-04

Table 5.3.1 continued

Time Post Intake, days	IRF In Compartment			DIL In Compartment, Bq		
	Lungs	Total Body	24-Hour Urine	Lungs	Total Body	24-Hour Urine
Pu-239, Class Y Inhalation, ALI = 5.26E+02 Bq						
1.0	2.13E-01	5.87E-01	1.55E-05	9.21E-02	2.54E-01	6.70E-06
5.0	1.53E-01	1.85E-01	2.87E-06	3.31E-01	4.00E-01	6.20E-06
10.0	1.48E-01	1.53E-01	1.29E-06	6.40E-01	6.61E-01	5.58E-06
30.0	1.45E-01	1.49E-01	8.81E-07	1.88E+00	1.93E+00	1.14E-05
100.0	1.35E-01	1.41E-01	6.99E-07	5.84E+00	6.10E+00	3.02E-05
200.0	1.22E-01	1.29E-01	7.73E-07	1.05E+01	1.12E+01	6.68E-05
365.0	1.03E-01	1.14E-01	8.03E-07	1.63E+01	1.80E+01	1.27E-04
Pu-239, Ingestion, ALI = 2.43E+05 Bq						
1.0		2.82E-01	3.31E-07		5.63E+01	6.61E-05
5.0		3.14E-02	7.42E-08		3.14E+01	7.41E-05
10.0		2.20E-04	2.84E-08		4.39E-01	5.67E-05
30.0		0.00E+00	1.57E-08		0.00E+00	9.41E-05
100.0		-	-		-	-
200.0		-	-		-	-
365.0		-	-		-	-
Am-243, Ingestion, ALI = 5.00E+04 Bq						
1.0		7.14E-01	2.86E-01		2.93E+01	1.18E+01
5.0		1.87E-02	3.06E-02		3.84E+00	6.29E+00
10.0		5.74E-04	2.13E-04		2.36E-01	8.75E-02
30.0		4.50E-04	0.00E+00		5.54E-01	0.00E+00
100.0		4.49E-04	-		1.85E+00	-
200.0		4.47E-04	-		3.67E+00	-
365.0		4.45E-04	-		6.68E+00	-
Am-243, Class W Inhalation, ALI = 2.00E+02 Bq						
1.0	2.11E-01	5.90E-01	4.21E-02	3.47E-02	9.70E-02	6.92E-03
5.0	1.45E-01	2.39E-01	3.41E-02	1.19E-01	1.96E-01	2.80E-02
10.0	1.32E-01	2.03E-01	2.07E-03	2.17E-01	3.34E-01	3.40E-03
30.0	1.02E-01	1.80E-01	9.44E-04	5.03E-01	8.88E-01	4.66E-03
100.0	4.18E-02	1.36E-01	3.58E-04	6.87E-01	2.24E+00	5.88E-03
200.0	1.15E-02	1.15E-01	8.94E-05	3.78E-01	3.78E+00	2.94E-03
365.0	1.66E-03	1.09E-01	1.15E-05	9.96E-02	6.54E+00	6.90E-04

6. GENERAL EVALUATION

6.1 Validation of Tabulated Results

This section describes the methods used in the validation of tabular values, and presents results of selected validation tests.

Validation was a process aimed at confirming that tabular data were correctly presented in Appendix B. However, the validation procedure does not verify or substantiate the correctness of model assumptions. Evidence which serves to verify the exactness of our methods is presented in Appendix A, Example of Use and Verification Based on Experiences. The validation study was performed by R. Belanger of Science Applications International Corporation, San Diego, California.

Validation was performed by comparison of selected tabular results with those generated by other computer models using the same set of assumptions. The programs used in the validation processes were REMedy and DOSEDAY/DOSEYR, both of which are proprietary programs. REMedy invokes an analytic solution algorithm to solve the ICRP Publication 30 retention functions in a manner similar to that used by the model which generated the tabular results in Appendix B. The DOSEDAY/DOSEYR program uses a Runge-Kutta integration routine to numerically solve the rate equations presented in ICRP Publication 30.

A third computer program was used to evaluate the tables in Appendix B and the output was similar to REMedy. However, this third validation study was performed by J. R. Johnson of the Dosimetric Research Branch, Chalk River Nuclear Laboratory, Canada, and Dr. Johnson validated the tables corresponding to the stable elements. Since tables for radioisotopes differ from the table for the stable elements by the decay factor, it was felt that this third study was comprehensive. The errors discovered by this study were corrected. Since output of Dr. Johnson's study was similar (within a few %) to REMedy output, we felt specific details need not be reproduced here.

6.1.1 General Description of the REMedy Model

REMedy is a Pascal-language program which uses an analytic solution algorithm to predict the fraction of an intake present in a bioassay compartment at some time post-intake. The program is capable of calculating fraction of intake in the whole body, lung, 24-Hr urine, cumulative urine, 24-Hr feces, cumulative feces, and thyroid (for radioiodine) bioassay compartments as a result of ingestion or inhalation. Both acute and chronic intake modes are evaluated and corrections can be made for deposition as a function of particle size.

The general form equation used in REMedy to solve retention function problems is identical to that presented as equation (1) in Section 2.5 of this report. One notable change in the REMedy metabolic model from the BNL model, however, is that REMedy assumes the existence of a transfer compartment as discussed in ICRP Publication 30. For purposes of validation, the clearance halftime for the transfer compartment was set equal to the halftime of the first exponential term of the BNL model for the respective radionuclides. As is discussed below, this fact may account for minor differences in calculations of retention for a few to several days post-intake.

The radionuclide library contents of REMedy was edited for this task to set all assumed values equal to those contained in the Element Data Sheets of Appendix B. For those cases in which the fractions of systemic excretion leaving the body via urine and feces are not defined (e.g., iron), the fraction assigned to urine excretion was unity. In this case, the urine retention values calculated by REMedy can be compared to the systemic excretion values in the tables.

6.1.2 General Description of DOSEDAY and DOSEYR

DOSEDAY and DOSEYR are programs which numerically integrate the rate equations presented in ICRP Publication 30. The numerical integration routine used is a simple Runge-Kutta method. Since the rate equations form a system of very stiff differential equations, special attention must be paid to step size. Step sizes are chosen on the basis of the fastest compartment clearance rate. Compartments which contain retention fractions of less than $1.0E-6$ are assumed to equal zero, except in the cases of closely coupled flow, for example from lung compartments f to d to the GI tract, or the case of a positive derivative. A material balance is maintained for activity present in all compartments, activity lost by radiodecay, and all losses assumed equal to zero.

DOSEDAY integrates on a time scale of days. Once all lung and GI compartment retention values reach zero, the integration is passed to the DOSEYR routine, which integrates on a time scale of years. Results may be printed from either routine for fractions or multiples of days or years.

Deposition fractions, removal rate constants and compartmental fractions assumed for the inhalation model may be changed from those specified by Figure 5.2 of ICRP Publication 30 as keyboard input. While not clearly specified by ICRP Publication 30, for cases where f_1 is equal to unity, all contents of the stomach are assumed to be absorbed at a rate equal to the translocation rate of stomach contents, which is 24 day^{-1} .

6.1.3 Input Values for Validation Tests

The DOSEDAY/DOSEYR routines use the compartment transfer rate constants for each radioelement given in ICRP Publication 30, as opposed to retention functions. Where differences in rate constants for males and females are specified, for example, for Pu and Am, the values for Reference Male were used. The lung deposition fractions and excretion pathway fractions used were the same as those specified in the Element Data Sheets of Appendix B. Where systemic excretion pathway fractions were listed as not defined, it was assumed that the fraction of systemic excretion going to urine was unity.

The physical half-lives used for the radionuclides were obtained from the Radiological Health Handbook (USDHEW70), and are as follows:

<u>Nuclide</u>	<u>Half-life (Year)</u>	<u>Half-life (Day)</u>
Co-60	5.26 E+00	1.92 E+03
I-131	2.21 E-02	8.05 E+00
U-235	7.10 E+08	2.59 E+11
Pu-239	2.40 E+04	8.78 E+06
Am-241	4.58 E+02	1.67 E+05

Excretion compartment values are cumulative from the time of intake, so hand calculations were necessary to estimate 24-hour incremental urine and fecal values. The excretion compartment retention was obtained using the following formula:

$$24\text{-Hr Total} = (B - A) \times \text{EXP}(-\lambda \times T)$$

where: B is the stable element cumulative fraction at time T days post intake,

A is the stable element cumulative fraction at time T - 1 days post intake, and

λ is the radiodecay constant, day^{-1} .

This equation corrects the value calculated at 24 hours for any activity present at the start of the 24-hour period.

6.1.4 Validation Results

The results of the validation tests are presented in Tables 6.1.1 through 6.1.4. All results generated by REMedy or DOSEDAY/DOSEYR have been rounded to two decimal places. Wherever dashes appear in the tables, no results are available. Values presented as 0.00E+00 represented values less than 1.0E-6 for DOSEDAY/DOSEYR results, and values less than approximately 1.0E-10 for REMedy results.

Table 6.1.1 presents the results of validation runs for excreta retention following inhalation of particles of 1 micrometer AMAD. For these cases, the deposition values in REMedy and DOSEDAY/DOSEYR have been set to 0.31 for nasal passages, 0.08 for the trachea and bronchial tree, and 0.249 for the pulmonary region. The results of this test can be summarized as follows:

1. For Class D compounds, there is good agreement for Sr-90, I-131, and U-235. There are relatively minor (<11%) urine and fecal retention discrepancies for Fe-59 and Cs-137 up to 10 days post-intake, and for Fe-59 cumulative feces at 500 days.
2. For Class W compounds, there is very good agreement for Co-60, Th-232, and U-235. There are discrepancies (<11%) in the case of Fe-59, Ce-144, and Pu-239 for urine retention at 1 day. There are also minor discrepancies (<3%) for fecal retention for Fe-59 beyond 100 days and Co-60 at 5 days.
3. For Class Y compounds, there is very good agreement for all four nuclides tested. There are minor discrepancies (<10%) in each case, but these differences may be explained by the difference in use of the transfer compartment.

Validation results of whole body and lung retention following inhalation are presented in Table 6.1.2. There is very close agreement between BNL and REMedy results for all cases of Class D, Class W and Class Y nuclides except for minor discrepancies (<5%) between the I-131 results of BNL and REMedy compared to those predicted by DOSEDAY.

Table 6.1.3 presents validation test results for ingestion. Except for

isolated cases, there is very close agreement between the BNL and REMedy results. The DOSEDAY/DOSEYR routines were not used in the ingestion tests. Whole body retention results agreed very closely in all cases. Incremental urine retention of Am-241 (by 6%) varies between the models for times after 5 days, and excreta retention for Cs-137 varies somewhat (<11%) for the first few days post-intake, after which time close agreement is reached.

Table 6.1.4 presents predicted thyroid retention following inhalation of Class D I-131. There is a minor (<6%) discrepancy between the BNL and REMedy results for day 1, although the BNL and DOSEDAY results for this time agree closely. There is very good agreement between results at day 5, and there are relatively minor (<6%) variations thereafter.

6.1.5 Conclusions Drawn from Validation Studies

Several meaningful conclusions can be drawn from the results of the validation tests. It can be concluded that for almost all cases of in vivo retention, the tabular results appear to accurately represent a retention value expected on the basis of ICRP Publication 30 metabolic models. It is difficult to explain the apparent discrepancies in some cases of expected excreta retention. These discrepancies are attributed to slightly different interpretations of the metabolic models presented in ICRP Publication 30. In particular, two distinct variations of ICRP models are employed in the algorithms contained in the programs used in the validation tests. The algorithms used in the REMedy and DOSEDAY/DOSEYR codes include a single catenary transfer compartment as a component of the metabolic model. An example of a lung-to-excretion pathway for such a model would be: Lung Compartment "a" -> Transfer Compartment -> Systemic Compartment -> Excretion. An alternative approach is employed in the model described in Section 2 of this report. This approach neglects the existence of the Transfer Compartment, so the corresponding pathway would be described by: Lung Compartment "a" -> Systemic Compartment -> Excretion.

Since the Transfer Compartment is assumed to have a relatively short clearance half-time, 0.25 to 0.5 days, systemic retention and excretion results calculated using these alternative approaches can differ significantly for times up to several days post-intake. Little difference would usually be exhibited beyond this time. The use of alternative models is believed to account for many of the discrepancies mentioned above.

Table 6.1.1 Validation of Inhalation Results for Excreta Measurements

CLASS D

NUCLIDE (CLASS)	DAY	24-HOUR URINE			ACCUMULATED URINE		
		BNL	REMedy	DOSEDAY	BNL	REMedy	DOSEDAY
Fe-59(D) fu=1	1	1.16E-04	7.25E-05	---	1.16E-04	7.25E-05	---
	5	1.58E-04	1.58E-04	---	7.23E-04	6.67E-04	---
	10	1.47E-04	1.47E-04	---	1.40E-03	1.35E-03	---
	50	7.76E-05	7.90E-05	---	3.88E-03	3.92E-03	---
	100	3.50E-05	3.63E-05	---	3.55E-03	3.66E-03	---
	500	6.03E-08	7.23E-08	---	3.29E-05	3.94E-05	---
Sr-90(D) fu=0.85	1	8.57E-02	8.04E-02	---	8.57E-02	8.04E-02	---
	5	2.45E-02	2.60E-02	---	2.23E-01	2.19E-01	---
	10	1.04E-02	1.11E-02	---	2.97E-01	2.98E-01	---
	50	1.94E-04	1.89E-04	---	3.63E-01	3.63E-01	---
	100	1.26E-04	1.26E-04	---	3.83E-01	3.83E-01	---
	500	2.86E-05	2.93E-05	---	3.83E-01	3.83E-01	---
I-131(D) fu=1	1	3.13E-01	3.13E-01	---	3.13E-01	3.13E-01	3.08E-01
	5	1.35E-03	1.34E-03	---	2.91E-01	2.91E-01	2.87E-01
	10	1.93E-04	1.88E-04	---	1.90E-01	1.91E-01	1.87E-01
	50	1.20E-05	1.21E-05	---	6.47E-03	6.50E-03	6.87E-03
	100	1.27E-07	1.29E-07	---	9.41E-05	9.50E-05	---
	500	---	---	---	---	---	---
Cs-137(D) fu=0.8	1	1.35E-02	8.74E-03	---	1.35E-02	8.74E-03	---
	5	7.16E-03	7.75E-03	---	5.38E-02	5.13E-02	---
	10	3.51E-03	3.63E-03	---	7.63E-02	7.51E-02	---
	50	2.12E-03	2.13E-03	---	1.74E-01	1.73E-01	---
	100	1.54E-03	1.55E-03	---	2.64E-01	2.63E-01	---
	500	1.21E-04	1.21E-04	---	4.76E-01	4.76E-01	---
U-235(D) fu=1	1	1.87E-01	1.93E-01	1.93E-01	1.87E-01	1.93E-01	1.93E-01
	5	1.31E-02	1.32E-02	1.32E-02	3.23E-01	3.19E-01	3.19E-01
	10	7.26E-03	7.49E-03	7.50E-03	3.67E-01	3.65E-01	3.65E-01
	50	6.67E-04	6.77E-04	---	4.59E-01	4.60E-01	---
	100	1.11E-04	1.13E-04	---	4.73E-01	4.74E-01	---
	500	1.64E-06	1.63E-06	---	4.77E-01	4.78E-01	---

Table 6.1.1 (continued)

CLASS D

NUCLIDE (CLASS)	DAY	24-HOUR FECES			ACCUMULATED FECES		
		BNL	REMedy	DOSEDAY	BNL	REMedy	DOSEDAY
Fe-59(D) fu=1	1	4.01E-02	3.95E-02	---	4.01E-02	3.95E-02	---
	5	4.08E-03	4.18E-03	---	1.30E-01	1.30E-01	---
	10	2.62E-05	2.71E-05	---	1.22E-01	1.23E-01	---
	50	0.00E+00	0.00E+00	---	6.57E-02	6.69E-02	---
	100	0.00E+00	0.00E+00	---	3.02E-02	3.13E-02	---
	500	0.00E+00	0.00E+00	---	5.96E-05	7.16E-05	---
Sr-90(D) fu=0.85	1	4.85E-02	4.71E-02	---	4.85E-02	4.71E-02	---
	5	7.62E-03	7.97E-03	---	1.49E-01	1.48E-01	---
	10	1.85E-03	1.97E-03	---	1.64E-01	1.64E-01	---
	50	3.42E-05	3.33E-05	---	1.75E-01	1.75E-01	---
	100	2.22E-05	2.23E-05	---	1.76E-01	1.76E-01	---
	500	5.04E-06	5.17E-06	---	1.75E-01	1.75E-01	---
I-131(D) fu=1	1	5.18E-08	---	---	5.18E-08	---	---
	5	4.86E-08	---	---	1.02E-07	---	---
	10	0.00E+00	---	---	6.17E-08	---	---
	50	0.00E+00	---	---	2.13E-09	---	---
	100	---	---	---	0.00E+00	---	---
	500	---	---	---	---	---	---
Cs-137(D) fu=0.8	1	3.37E-03	2.18E-03	---	3.37E-03	2.20E-03	---
	5	1.79E-03	1.94E-03	---	1.35E-02	1.28E-02	---
	10	8.77E-04	9.07E-04	---	1.91E-02	1.88E-02	---
	50	5.30E-04	5.31E-04	---	4.35E-02	4.33E-02	---
	100	3.86E-04	3.86E-04	---	6.60E-02	6.59E-02	---
	500	3.03E-05	3.03E-05	---	1.19E-01	1.19E-01	---
U-235(D) fu=1	1	4.24E-02	4.18E-02	4.18E-02	4.24E-02	4.18E-02	4.18E-02
	5	4.70E-03	4.81E-03	4.80E-03	1.48E-01	1.48E-01	1.48E-01
	10	3.26E-05	3.37E-05	4.00E-04	1.51E-01	1.51E-01	1.51E-01
	50	0.00E+00	0.00E+00	---	1.51E-01	1.51E-01	1.51E-01
	100	0.00E+00	0.00E+00	---	1.51E-01	1.51E-01	1.51E-01
	500	0.00E+00	0.00E+00	---	1.51E-01	1.51E-01	1.51E-01

Table 6.1.1 (continued)

		CLASS W					
NUCLIDE (CLASS)	DAY	24-HOUR URINE			ACCUMULATED URINE		
		BNL	REMedy	DOSEDAY	BNL	REMedy	DOSEDAY
Fe-59(W) fu=1	1	2.87E-05	1.82E-05	---	2.87E-05	1.82E-05	---
	5	3.68E-05	3.67E-05	---	1.69E-04	1.57E-04	---
	10	3.51E-05	3.52E-05	---	3.30E-04	3.19E-04	---
	50	2.17E-05	2.20E-05	---	9.93E-04	1.00E-03	---
	100	1.09E-05	1.13E-05	---	9.79E-04	1.01E-03	---
	500	2.12E-08	2.54E-08	---	1.08E-05	1.29E-05	---
Co-60(W) fu=0.7	1	2.27E-02	2.17E-02	2.16E-02	2.27E-02	2.17E-02	2.16E-02
	5	1.98E-03	2.08E-03	2.06E-03	4.14E-02	4.03E-02	4.03E-02
	10	1.11E-03	1.18E-03	---	4.81E-02	4.74E-02	4.74E-02
	50	2.72E-04	2.73E-04	---	6.59E-02	6.58E-02	6.57E-02
	100	1.62E-04	1.63E-04	---	7.51E-02	7.50E-02	7.50E-02
	500	6.69E-06	6.70E-06	---	7.99E-02	7.99E-02	7.98E-02
Ce-144(W) fu=1	1	1.39E-05	9.12E-06	---	1.39E-05	9.12E-06	---
	5	1.43E-05	1.43E-05	---	7.05E-05	6.54E-05	---
	10	1.46E-05	1.46E-06	---	1.42E-04	1.37E-04	---
	50	1.59E-05	1.59E-05	---	7.17E-04	7.12E-04	---
	100	1.59E-05	1.59E-05	---	1.39E-03	1.38E-03	---
	500	---	---	---	3.13E-03	3.12E-03	---
Th-232(W) fu=1	1	5.33E-03	5.32E-03	---	5.33E-03	5.32E-03	---
	5	9.04E-05	9.02E-05	---	7.41E-03	7.40E-03	---
	10	6.72E-05	6.71E-05	---	7.76E-03	7.74E-03	---
	50	5.52E-05	5.51E-05	---	1.02E-02	1.02E-02	---
	100	4.44E-05	4.43E-05	---	1.27E-02	1.26E-02	---
	500	2.24E-05	2.24E-05	---	2.43E-02	2.42E-02	---
U-235(W) fu=1	1	4.13E-02	4.24E-02	4.24E-02	4.13E-02	4.24E-02	4.24E-02
	5	2.69E-03	2.73E-03	2.73E-03	6.28E-02	6.20E-02	6.20E-02
	10	1.75E-03	1.79E-03	1.78E-03	7.30E-02	7.25E-02	7.25E-02
	50	4.80E-04	4.82E-04	---	1.06E-01	1.06E-01	1.06E-01
	100	2.43E-04	2.43E-04	---	1.23E-01	1.23E-01	1.23E-01
	500	2.46E-06	2.46E-06	---	1.43E-01	1.43E-01	1.43E-01
Pu-239(W) fu=0.54	1	2.83E-04	1.97E-04	---	2.83E-04	1.97E-04	---
	5	5.39E-05	6.14E-05	---	7.01E-04	6.86E-04	---
	10	2.54E-05	2.60E-05	---	8.59E-04	8.54E-04	---
	50	1.45E-05	1.46E-05	---	1.58E-03	1.58E-03	---
	100	1.12E-05	1.12E-05	---	2.21E-03	2.21E-03	---
	500	3.59E-06	3.60E-06	---	4.73E-03	4.71E-03	---

Table 6.1.1 (continued)

CLASS W

NUCLIDE (CLASS)	DAY	24-HOUR FECES			ACCUMULATED FECES		
		BNL	REMedy	DOSEDAY	BNL	REMedy	DOSEDAY
Fe-59(W) fu=1	1	3.87E-02	----	----	3.87E-02	3.80E-02	----
	5	2.81E-02	----	----	3.27E-01	3.27E-01	----
	10	1.58E-03	----	----	3.30E-01	3.13E-01	----
	50	2.96E-04	----	----	1.93E-01	1.97E-01	----
	100	6.79E-05	----	----	9.35E-02	9.70E-02	----
	500	0.00E+00	----	----	1.94E-04	2.33E-04	----
Co-60(W) fu=0.7	1	5.04E-02	4.93E-02	4.94E-02	5.04E-02	4.93E-02	4.94E-02
	5	3.03E-03	3.35E-02	3.33E-02	3.90E-01	3.89E-01	3.89E-01
	10	2.43E-03	2.47E-03	----	4.26E-01	4.26E-01	4.26E-01
	50	7.84E-04	7.85E-04	----	4.64E-01	4.64E-01	4.64E-01
	100	3.97E-04	3.98E-04	----	4.84E-01	4.83E-01	4.84E-01
	500	3.98E-06	3.98E-06	----	4.45E-01	4.45E-01	4.45E-01
Ce-144(W) fu=1	1	4.20E-02	4.14E-02	----	4.20E-02	4.14E-02	----
	5	3.37E-02	3.42E-02	----	3.88E-01	3.87E-01	----
	10	2.02E-03	2.03E-03	----	4.18E-01	4.18E-01	----
	50	6.33E-04	6.33E-04	----	4.13E-01	4.13E-01	----
	100	2.80E-04	2.80E-04	----	3.86E-01	3.86E-01	----
	500	4.13E-07	4.12E-07	----	1.53E-01	1.53E-01	----
Th-232(W) fu=1	1	4.22E-02	4.15E-02	----	4.22E-02	4.15E-02	----
	5	3.42E-02	3.46E-02	----	3.93E-01	3.92E-01	----
	10	2.07E-03	2.08E-03	----	4.28E-01	4.28E-01	----
	50	7.16E-04	7.15E-04	----	4.67E-01	4.67E-01	----
	100	3.58E-04	3.58E-04	----	4.93E-01	4.92E-01	----
	500	1.62E-06	1.40E-06	----	5.18E-01	5.18E-01	----
U-235(W) fu=1	1	4.07E-02	4.01E-02	4.01E-02	4.07E-02	4.01E-02	4.01E-02
	5	3.23E-02	3.27E-02	3.27E-03	3.73E-01	3.73E-01	3.73E-01
	10	1.97E-03	1.97E-03	2.00E-03	4.07E-01	4.07E-01	4.07E-01
	50	6.80E-04	6.80E-04	----	4.44E-01	4.44E-01	4.44E-01
	100	3.40E-04	3.40E-04	----	4.68E-01	4.68E-01	4.69E-01
	500	1.33E-06	1.33E-06	----	4.92E-01	4.92E-01	4.93E-01
Pu-239(W) fu=0.54	1	4.24E-02	4.16E-02	----	4.24E-02	4.16E-02	----
	5	3.42E-02	3.46E-02	----	3.93E-01	3.93E-01	----
	10	2.09E-03	2.10E-02	----	4.29E-01	4.29E-01	----
	50	7.28E-04	7.28E-04	----	4.68E-01	4.68E-01	----
	100	3.67E-04	3.67E-04	----	4.94E-01	4.94E-01	----
	500	4.46E-06	4.47E-06	----	5.22E-01	5.22E-01	----

Table 6.1.1 (continued)

CLASS Y

NUCLIDE (CLASS)	DAY	24-HOUR URINE			ACCUMULATED URINE		
		BNL	REMedy	DOSEDAY	BNL	REMedy	DOSEDAY
Co-60(Y) fu=0.7	1	4.64E-03	3.87E-03	---	4.63E-03	3.90E-03	---
	5	8.17E-04	7.41E-04	---	1.38E-02	1.17E-02	---
	10	3.33E-04	3.14E-04	---	1.60E-02	1.38E-02	---
	50	3.52E-05	3.19E-05	---	1.95E-02	1.70E-02	---
	100	2.60E-05	2.43E-05	---	2.06E-02	1.81E-02	---
	500	1.48E-05	1.64E-05	---	2.45E-02	2.26E-02	---
Th-232(Y) fu=1	1	2.95E-04	2.95E-04	---	2.95E-04	2.95E-04	---
	5	4.22E-06	4.22E-06	---	4.12E-04	4.11E-04	---
	10	2.81E-06	2.84E-06	---	4.26E-04	4.26E-04	---
	50	2.98E-06	3.13E-06	---	5.42E-04	5.45E-04	---
	100	3.19E-06	3.49E-06	---	6.97E-04	7.11E-04	---
	500	4.51E-06	5.67E-06	---	2.26E-03	2.59E-03	---
U-235(Y) fu=1	1	2.23E-03	2.29E-03	---	2.23E-03	2.29E-03	---
	5	1.31E-04	1.34E-04	---	3.30E-03	3.26E-03	---
	10	8.42E-05	8.66E-05	---	3.79E-03	3.77E-03	---
	50	2.34E-05	2.47E-05	---	5.32E-03	5.34E-03	---
	100	1.87E-05	2.11E-05	---	6.33E-03	6.45E-03	---
	500	1.81E-05	2.44E-05	---	1.36E-02	1.58E-02	---
Pu-239(Y) fu=0.54	1	1.55E-05	1.08E-05	---	1.55E-05	1.08E-05	---
	5	2.87E-06	3.28E-06	---	3.82E-05	3.74E-05	---
	10	1.29E-06	1.33E-06	---	4.63E-05	4.61E-05	---
	50	7.57E-07	7.79E-07	---	8.27E-05	8.32E-05	---
	100	6.99E-07	7.47E-07	---	1.18E-04	1.21E-04	---
	500	8.45E-07	1.07E-06	---	4.29E-04	4.94E-04	---

Table 6.1.1 (continued)

		CLASS Y					
		24-HOUR FECES			ACCUMULATED FECES		
NUCLIDE (CLASS)	DAY	BNL	REMedy	DOSEDAY	BNL	REMedy	DOSEDAY
Co-60(Y) fu=0.7	1	5.15E-02	5.11E-02	---	5.15E-02	5.11E-02	---
	5	3.45E-02	3.51E-02	---	4.34E-01	4.35E-01	---
	10	1.01E-03	1.08E-03	---	4.64E-01	4.66E-01	---
	50	1.29E-04	1.34E-04	---	4.64E-01	4.66E-01	---
	100	1.17E-04	1.21E-04	---	4.62E-01	4.64E-01	---
	500	5.87E-05	6.20E-05	---	4.31E-01	4.34E-01	---
Th-232(Y) fu=1	1	5.21E-02	5.12E-02	---	5.21E-02	5.12E-02	---
	5	3.64E-02	3.69E-02	---	4.51E-01	4.53E-01	---
	10	9.85E-04	1.00E-03	---	4.86E-01	4.86E-01	---
	50	1.29E-04	1.29E-04	---	4.92E-01	4.92E-01	---
	100	1.21E-04	1.21E-04	---	4.98E-01	4.98E-01	---
	500	6.94E-05	6.93E-05	---	5.35E-01	5.35E-01	---
U-235(Y) fu=1	1	5.20E-02	5.12E-02	---	5.20E-02	5.12E-02	---
	5	3.63E-02	3.68E-02	---	4.53E-01	4.52E-01	---
	10	9.83E-04	9.98E-04	---	4.85E-01	4.85E-01	---
	50	1.29E-04	1.29E-04	---	4.91E-01	4.91E-01	---
	100	1.20E-04	1.20E-04	---	4.97E-01	4.97E-01	---
	500	6.92E-05	6.91E-05	---	5.34E-01	5.34E-01	---
Pu-239(Y) fu=0.54	1	5.21E-02	5.12E-02	---	5.21E-02	5.12E-02	---
	5	3.64E-02	3.69E-02	---	4.54E-01	4.53E-01	---
	10	9.87E-04	1.00E-03	---	4.86E-01	4.86E-01	---
	50	1.30E-04	1.30E-04	---	4.92E-01	4.92E-01	---
	100	1.21E-04	1.21E-04	---	4.98E-01	4.98E-01	---
	500	7.00E-05	7.02E-05	---	5.36E-01	5.36E-01	---

Table 6.1.2 Validation of Inhalation Results for In Vivo Measurements

CLASS D

NUCLIDE (CLASS)	DAY	WHOLE BODY			LUNGS		
		BNL	REMedy	DOSEDAY	BNL	REMedy	DOSEDAY
Fe-59(D)	1	5.89E-01	5.90E-01	---	7.85E-02	7.84E-02	---
	5	4.61E-01	4.61E-01	---	5.37E-04	5.37E-04	---
	10	4.23E-01	4.25E-01	---	7.67E-07	7.68E-07	---
	50	2.24E-01	2.28E-01	---	0.00E+00	0.00E+00	---
	100	1.01E-01	1.05E-01	---	0.00E+00	0.00E+00	---
	500	1.74E-04	2.09E-04	---	0.00E+00	0.00E+00	---
Sr-90(D)	1	5.05E-01	5.11E-01	---	7.97E-02	7.96E-02	---
	5	2.67E-01	2.72E-01	---	5.80E-04	6.00E-04	---
	10	1.78E-01	1.76E-01	---	8.96E-07	8.57E-07	---
	50	9.91E-02	9.90E-02	---	0.00E+00	0.00E+00	---
	100	8.99E-02	8.98E-02	---	0.00E+00	0.00E+00	---
	500	6.07E-02	6.03E-02	---	0.00E+00	0.00E+00	---
I-131(D)	1	2.74E-01	2.74E-01	2.70E-01	7.31E-02	7.31E-02	7.34E-02
	5	1.25E-01	1.25E-01	1.23E-01	3.77E-04	3.77E-04	3.73E-04
	10	8.00E-02	8.02E-02	7.94E-02	3.79E-07	3.78E-07	0.00E+00
	50	2.11E-03	2.10E-03	2.49E-03	0.00E+00	0.00E+00	0.00E+00
	100	---	---	---	0.00E+00	---	---
	500	---	---	---	---	---	---
Cs-137(D)	1	6.22E-01	6.28E-01	---	7.97E-02	7.96E-02	---
	5	5.72E-01	5.75E-01	---	5.80E-04	5.80E-04	---
	10	5.43E-01	5.45E-01	---	8.96E-07	8.95E-07	---
	50	4.19E-01	4.20E-01	---	0.00E+00	0.00E+00	---
	100	3.05E-01	3.06E-01	---	0.00E+00	0.00E+00	---
	500	2.39E-02	2.40E-02	---	0.00E+00	0.00E+00	---
U-235(D)	1	4.10E-01	4.04E-01	4.05E-01	7.97E-02	7.96E-02	7.99E-02
	5	1.69E-01	1.72E-01	1.72E-01	5.81E-04	5.80E-04	5.83E-04
	10	1.21E-01	1.23E-01	1.24E-01	8.96E-07	8.95E-07	0.00E+00
	50	2.96E-01	2.98E-02	2.93E-02	0.00E+00	0.00E+00	---
	100	1.47E-02	1.47E-02	1.45E-02	0.00E+00	0.00E+00	---
	500	1.09E-02	1.09E-02	1.09E-02	0.00E+00	0.00E+00	---

Table 6.1.2 (continued)

NUCLIDE (CLASS)	DAY	WHOLE BODY			LUNGS		
		BNL	REMedy	DOSEDAY	BNL	REMedy	DOSEDAY
Fe-59(W)	1	5.91E-01	5.91E-01	---	2.07E-01	2.07E-01	---
	5	2.64E-01	2.65E-01	---	1.34E-01	1.34E-01	---
	10	2.17E-01	2.18E-01	---	1.13E-01	1.13E-01	---
	50	9.95E-02	1.01E-01	---	3.64E-02	3.70E-02	---
	100	4.03E-02	4.18E-02	---	8.81E-03	9.13E-03	---
	500	6.12E-05	7.35E-05	---	9.62E-08	1.15E-07	---
Co-60(W)	1	5.66E-01	5.68E-01	5.68E-01	2.11E-01	2.10E-01	2.11E-01
	5	2.06E-01	2.08E-01	2.08E-01	1.44E-01	1.44E-01	1.44E-01
	10	1.63E-01	1.64E-01	1.64E-01	1.32E-01	1.32E-01	1.32E-01
	50	9.78E-02	9.79E-02	9.79E-02	7.78E-02	7.78E-02	7.78E-02
	100	5.77E-02	5.78E-02	5.78E-02	4.03E-02	4.03E-02	4.03E-02
	500	8.49E-03	8.44E-03	8.49E-03	1.93E-04	1.93E-04	1.93E-04
Ce-144(W)	1	5.96E-01	5.96E-01	---	2.10E-01	2.10E-01	---
	5	2.44E-01	2.44E-01	---	1.43E-01	1.43E-01	---
	10	2.06E-01	2.06E-01	---	1.29E-01	1.29E-01	---
	50	1.52E-01	1.52E-01	---	7.02E-02	7.01E-02	---
	100	1.13E-01	1.13E-01	---	3.27E-02	3.27E-02	---
	500	3.27E-02	3.26E-02	---	6.82E-05	6.80E-05	---
Th-232(W)	1	5.92E-01	5.92E-01	---	2.11E-01	2.11E-01	---
	5	2.39E-01	2.40E-01	---	1.45E-01	1.44E-01	---
	10	2.03E-01	2.03E-01	---	1.32E-01	1.32E-01	---
	50	1.62E-01	1.62E-01	---	7.93E-02	7.92E-02	---
	100	1.34E-01	1.34E-01	---	4.18E-02	4.18E-02	---
	500	9.68E-02	9.68E-02	---	2.31E-04	2.31E-04	---
U-235(W)	1	5.57E-01	5.57E-01	5.57E-01	2.11E-01	2.11E-01	2.11E-01
	5	2.03E-01	2.04E-01	2.05E-01	1.45E-01	1.44E-01	1.45E-01
	10	1.59E-01	1.60E-01	1.60E-01	1.32E-01	1.32E-01	1.33E-01
	50	8.95E-02	8.95E-02	8.98E-02	7.93E-02	7.92E-02	7.95E-02
	100	4.81E-02	4.81E-02	4.83E-02	4.18E-02	4.18E-02	4.19E-02
	500	3.54E-03	3.53E-03	3.54E-03	2.31E-04	2.31E-04	2.31E-04
Pu-239(W)	1	5.96E-01	5.97E-01	---	2.11E-01	2.11E-01	---
	5	2.45E-01	2.46E-01	---	1.45E-01	1.44E-01	---
	10	2.09E-01	2.09E-01	---	1.32E-01	1.32E-01	---
	50	1.69E-01	1.69E-01	---	7.93E-02	7.92E-02	---
	100	1.42E-01	1.42E-01	---	4.18E-02	4.18E-02	---
	500	1.12E-01	1.12E-01	---	2.31E-04	2.31E-04	---

Table 6.1.2 (continued)

		CLASS Y					
		WHOLE BODY			LUNGS		
NUCLIDE (CLASS)	DAY	BNL	REMedy	DOSEDAY	BNL	REMedy	DOSEDAY
Am-241(W)	1	---	5.91E-01	5.92E-01	---	2.11E-01	2.11E-01
	5	---	2.40E-01	2.40E-01	---	1.44E-01	1.45E-01
	10	---	2.03E-01	2.04E-01	---	1.32E-01	1.33E-01
	50	---	1.63E-01	1.63E-01	---	7.92E-02	7.95E-02
	100	---	1.36E-01	1.36E-01	---	4.17E-02	4.19E-02
	500	---	1.08E-01	---	---	2.30E-04	---
Co-60(Y)	1	5.83E-01	5.84E-01	---	2.13E-01	2.13E-01	---
	5	1.90E-01	1.91E-01	---	1.52E-01	1.52E-01	---
	10	1.57E-01	1.57E-01	---	1.48E-01	1.47E-01	---
	50	1.44E-01	1.44E-01	---	1.39E-01	1.39E-01	---
	100	1.34E-01	1.34E-01	---	1.30E-01	1.30E-01	---
	500	7.82E-02	7.65E-02	---	7.56E-02	7.37E-02	---
Th-232(Y)	1	5.87E-01	5.87E-01	---	2.13E-01	2.13E-01	---
	5	1.85E-01	1.85E-01	---	1.53E-01	1.53E-01	---
	10	1.53E-01	1.53E-01	---	1.48E-01	1.48E-01	---
	50	1.47E-01	1.46E-01	---	1.42E-01	1.42E-01	---
	100	1.40E-01	1.40E-01	---	1.35E-01	1.35E-01	---
	500	1.02E-01	1.01E-01	---	9.06E-02	8.82E-02	---
U-235(Y)	1	5.85E-01	5.86E-01	---	2.13E-01	2.13E-01	---
	5	1.83E-01	1.83E-01	---	1.53E-01	1.53E-01	---
	10	1.50E-01	1.50E-01	---	1.48E-01	1.48E-01	---
	50	1.43E-01	1.43E-01	---	1.42E-01	1.42E-01	---
	100	1.35E-01	1.35E-01	---	1.35E-01	1.35E-01	---
	500	9.12E-02	8.89E-02	---	9.06E-02	8.82E-02	---
Pu-239(Y)	1	5.87E-01	5.88E-01	5.88E-01	2.13E-01	2.13E-01	2.14E-01
	5	1.85E-01	1.86E-01	1.86E-01	1.53E-01	1.53E-01	1.53E-01
	10	1.53E-01	1.53E-01	1.53E-01	1.48E-01	1.48E-01	1.49E-01
	50	1.47E-01	1.47E-01	1.47E-01	1.42E-01	1.42E-01	1.42E-01
	100	1.41E-01	1.40E-01	1.41E-01	1.35E-01	1.35E-01	1.35E-01
	500	1.03E-01	1.03E-01	1.03E-01	9.06E-02	8.82E-02	9.09E-02

Table 6.1.3 Validation of Ingestion Results

NUCLIDE (CLASS)	DAY	24-HOUR URINE		WHOLE-BODY		24-HOUR FECES	
		BNL	REMedy	BNL	REMedy	BNL	REMedy
Co-60 $f_1=0.05$	1	1.25E-02	1.20E-02	7.10E-01	7.11E-01	2.77E-01	2.77E-01
	5	8.50E-04	9.12E-04	3.59E-02	3.68E-02	2.99E-02	2.99E-02
	10	4.54E-04	4.90E-04	1.43E-02	1.48E-02	4.01E-04	4.16E-04
	50	2.99E-05	2.99E-05	7.51E-03	7.43E-03	0.00E+00	1.28E-01
	100	1.56E-05	1.52E-05	5.95E-03	5.96E-03	---	6.51E-01
	500	2.09E-06	1.75E-06	2.72E-03	2.72E-03	---	7.50E-01
Sr-90 $f_1=0.3$	1	5.48E-02	5.48E-02	7.18E-01	7.22E-01	2.27E-01	2.23E-01
	5	1.30E-02	1.40E-02	1.58E-01	1.61E-01	2.26E-02	2.33E-01
	10	5.60E-03	5.95E-03	9.90E-02	9.81E-02	1.13E-03	1.20E-01
	50	1.10E-04	1.07E-04	5.63E-02	5.62E-02	1.93E-05	1.88E-01
	100	7.15E-05	7.18E-05	5.11E-02	5.10E-02	1.26E-05	1.27E-01
	500	1.62E-05	1.67E-05	3.45E-02	3.43E-02	2.86E-06	2.94E-01
I-131 $f_1=1.0$	1	6.02E-01	5.97E-01	3.16E-01	3.21E-01	0.00E+00	0.00E+00
	5	2.52E-04	2.31E-04	1.94E-01	1.95E-01	0.00E+00	0.00E+00
	10	3.09E-04	3.00E-04	1.25E-01	1.25E-01	0.00E+00	0.00E+00
	50	1.87E-05	1.89E-05	3.30E-03	3.33E-03	0.00E+00	0.00E+00
	100	1.99E-07	2.02E-07	3.29E-05	3.34E-05	0.00E+00	0.00E+00
Cs-137 $f_1=1.0$	1	2.80E-02	1.80E-02	9.65E-01	9.77E-01	6.99E-03	4.51E-01
	5	1.03E-02	1.12E-02	8.89E-01	8.95E-01	2.57E-03	2.80E-01
	10	5.20E-03	5.48E-03	8.48E-01	8.50E-01	1.33E-03	8.00E-01
	50	3.31E-03	3.32E-03	6.55E-01	6.56E-01	8.28E-04	8.00E-01
	100	2.41E-03	2.41E-03	4.76E-01	4.77E-01	6.02E-04	6.04E-01
	500	1.89E-04	1.89E-04	3.74E-02	3.74E-02	4.72E-05	4.73E-01
U-235 $f_1=0.05$	1	2.34E-02	2.43E-02	7.05E-01	7.04E-01	2.72E-01	2.72E-01
	5	1.15E-03	1.18E-03	3.42E-02	3.46E-02	2.96E-02	2.96E-01
	10	7.25E-04	7.49E-04	1.23E-02	1.26E-02	2.07E-04	2.07E-01
	50	6.76E-05	6.86E-05	3.01E-03	3.03E-03	0.00E+00	0.00E+00
	100	1.13E-05	1.14E-05	1.50E-03	1.50E-03	0.00E+00	---
	500	1.68E-07	1.67E-07	1.11E-03	1.11E-03	---	---
Pu-239 $f_1=1E-4$	1	3.31E-07	2.13E-07	7.18E-01	7.18E-01	2.82E-01	2.82E-01
	5	7.42E-08	8.61E-08	1.88E-02	1.88E-02	3.14E-02	3.14E-01
	10	2.84E-08	2.94E-08	2.26E-04	2.26E-04	2.20E-04	2.20E-01
	50	1.13E-08	1.14E-08	9.67E-05	9.67E-05	0.00E+00	9.67E-01
	100	---	7.64E-09	9.58E-05	9.58E-05	---	6.51E-01
	500	---	2.70E-09	9.25E-05	9.25E-05	---	2.30E-01
Am-241 $f_1=5E4$	1	4.34E-05	4.34E-05	7.18E-01	7.18E-01	2.82E-01	2.82E-01
	5	1.65E-08	1.26E-08	1.92E-02	1.92E-02	3.14E-02	3.14E-01
	10	1.49E-08	1.11E-08	5.78E-04	5.78E-04	2.19E-04	2.19E-01
	50	1.49E-08	1.11E-08	4.49E-04	4.54E-04	0.00E+00	0.00E+00
	100	1.49E-08	1.11E-08	4.48E-04	4.49E-04	0.00E+00	0.00E+00
	500	1.46E-08	1.08E-08	4.42E-04	4.44E-04	0.00E+00	0.00E+00

Table 6.1.4 Validation of Thyroid Retention Results

NUCLIDE (CLASS)	DAYS	BNL	REMedy	DOSEDAY
I-131(D)	1	1.33E-01	1.68E-01	1.32E-01
	5	1.20E-01	1.22E-01	1.23E-01
	10	7.51E-02	7.72E-02	9.77E-02
	50	1.82E-03	2.06E-03	2.50E-03
	100	1.80E-05	2.26E-05	---
	500	---	---	---

6.2 Applications and Limitations of IRF Values

This manual is a compilation of an evaluated approach for interpreting measurements of radioactivity in body organs, in the whole body or in excreta in terms of the quantity of radioactive material taken into the body. Calculations based on information in this manual provide a mechanism to determine compliance with regulations on the intake of radioactivity and dose equivalent. Estimates of intake are needed not only to assess dose but to determine the need for medical follow-up on significantly exposed workers.

Section 2 describes a method to obtain intake retention functions. These functions give the fraction of intake expected to be present in a bioassay compartment at any time after an acute exposure. Because these functions are a relationship between bioassay measurement and intake, and because intake and effective dose equivalent are directly related in ICRP Publication 30, this manual provides a way to combine external and internal doses, a proposed requirement of the NRC and a recommendation of the ICRP.

Tables of intake retention fractions (IRFs) are provided for estimating inhalation or ingestion intakes for about 100 different nuclides. These tables give the fraction of intake retained in the lungs, systemic region of the body, gastrointestinal tract, nasal passages, thyroid (for iodine), the whole body, accumulated excreta, and 24-hour collections of excreta as a function of time post intake. Intakes are easily determined by dividing the value of the bioassay measurement by the appropriate fraction given in the tables.

This manual provides guidance for the design and conduct a bioassay program. Examples are given for the determination of derived investigation levels above which further measurement to estimate committed effective dose equivalent and other appropriate investigations and actions should be made. Derived investigation levels are listed for several commonly used radionuclides for various monitoring frequencies based on recommendations of ICRP. However, other factors may effect one's choice for derived investigation levels and monitoring frequencies. These factors may be related to plant operating history, equipment availability or specific NRC recommendations. Methods to determine the minimum monitoring frequency are provided along with sensitivity requirements.

6.2.1 Pitfalls Associated with Interpreting Bioassay Measurements

On the basis of independent validation studies, it is concluded that the tabular results accurately represent retention fractions and excretion fractions that are based on the models and calculational methods outlined in the manual. Thus, computational errors encountered when one calculates an IRF are avoided by use of tabulated values. Further, it is concluded that the methods of ICRP are accurately represented by the mathematical models used here. Some care must be exercised when excretion fractions expected at one day or less post intake are used in order to estimate intake from alternative models that use or don't use the ICRP transfer compartment. However, in most cases this difference is minor and in all cases this difference does not impact the tabulations beyond several days post intake. Because the retention of any transfer compartment is, in fact, included in the empirical uptake retention functions for the systemic whole body and because ICRP only included its transfer compartment for mathematical convenience, the authors of this report agreed to exclude it from the bioassay models presented here.

It is unrealistic to assume that individual results will fit model results in most exposure cases. Verification studies indicate that a reasonably accurate estimate of intake is derived from 3 to 10 measurements on excreta. On-the-other-hand, an accurate estimate of intake is derived from fewer in vivo measurements. Obtaining several measurements in sequence may identify the need for (1) correcting intake estimates for particle size differences; (2) adjusting intake estimates for single versus multiple or continuous intakes; and (3) adjusting intake estimates for an accurate time post intake. These adjustments are made by using methods given in Appendix A and Appendix B of this manual and use of these adjustments may in some cases provide a better fit of the bioassay measurements when compared to expectation values.

However, many assumptions are required to translate bioassay measurements into estimates of intake and internal radiation doses. In most cases, it is practical to assume 1 micrometer particle size and use Reference Man models unless specific information is obtained for the exposed individual or for the physical and biochemical characteristics of the inhaled or ingested radionuclide. It is our experience that the variance associated with the stochastic nature of radioactive decay is overshadowed by the variance associated with the behavior of radioactive materials within the body. Thus, propagating only the counting error into the estimate of intake is not recommended. It is our recommendation that the best estimate of intake be made from an unweighted and minimized value of the chi-squared statistic. Thus, equation 3.1 in section 3.1, or equation A.2.4 in Appendix A, should be used with a series of measurements associated with exposure of an individual.

It is our experience that following an accident, a large portion of the intake will be in the fecal and urinary excreta eliminated during the first 5 days after an accident. The best estimate of intake may be determined by obtaining measurements on the first 5 days of excreta, particularly fecal excreta. Fecal sample results will help one to focus on the appropriate inhalation class. If one misses the first 5 days of excreta, large error in estimating the intake from excreta measurements could be encountered because one is forced to examine only a tiny fraction of the intake which may then be eliminated each day. Because of this the following bioassay strategy is noted.

After the first few days post intake, the behavior of radioactive materials in the body is described by parameters which apply over an extended period of time. These long-term parameters dominate model results for time post intake greater than a few days so that models are applicable over the time period from intake to excretion. Users of ICRP models should be aware that short-term-observations of small fractions of the intake, which may be excreted from the body each day after the intake, may not be the optimum way to obtain bioassay measurements. That is, after the first week passes, if radioactive material is measured 5 times in urinary samples which are collected 5 days in a row, and if the majority of the fraction of intake which remains in the body is to be excreted from the body over a much longer period of time, such as months to years, the estimate of intake may be better determined by obtaining the 5 measurements spaced evenly over a longer duration of time. In this way, errors due to short-term changes in metabolism are avoided, and the parameters which are associated with the long-term portions of the metabolic model are appropriate for the bioassay collection strategy.

6.3 Recommendations for Further Study

Good case studies for verification of bioassay excretion models are difficult to obtain. When accidents do occur, it is important that the maximum possible information be obtained from bioassay measurements to verify and improve bioassay models.

There appears to be a paucity of evaluated bioassay data applicable to a verification of the computational models and biokinetic parameters presented in this report. Further study should be devoted to refinement of models and parameters using actual bioassay results from studies involving exposure of humans. When significant accidental intakes occur, one should immediately collect nasal smears and urine and fecal samples, document the times of collection post-intake, and perform measurements on the collected samples and the body. Such measurements should be made even when it may be known that the exposure may be insignificant with respect to regulatory limits. To avoid undue concern among exposed workers, it should be explained that such measurements are voluntary and are being taken to improve the models.

Accidental intakes of transuranic radionuclides are usually followed by administration of the chelating agent diethylenetriaminepentaacetic acid (DPTA) in order to accelerate the excretion of bone-seeking radionuclides and to prevent their deposition on bone surfaces, and the soft tissues. Models should be developed for chelated radionuclides in order to estimate the urinary excretion of transuranic materials following an intake. Because of the enhanced excretion following chelation, research might be considered on workers known to have large exposures in the past. It may be possible to establish a relationship between chelated urinary excretion and the worker's current burden and perhaps his original intake.

Within the radiation worker community there is an expanding group of people who produce or administer radiopharmaceutical substances and there is a need to develop models for the retention and excretion of these substances.

In many instances, ICRP Publication 30 provides several values for f_1 , the fraction in the gastrointestinal tract which is absorbed into the blood. We have chosen the values which we feel are most common for worker exposures. Additional tabulations for different values for f_1 should be made.

Our tabulations apply to Reference Man and in most cases this is the appropriate model to use following accidental exposure. However, it is known that retention of certain nuclides varies with organ size and body weight, most notably iodine, cesium and strontium. Additionally, f_1 may vary with age of the person and this has been observed for plutonium. Other factors such as bone turnover rate, differences in organ uptake as a function of age, and remaining lifespan influence either the retention or the dose assessment and these influences may be considerable for infants and children. Methods to interpret bioassay measurements for these circumstances should be developed.

7. SUMMARY

Bioassay is the final measurement used to assure adequate protection of workers from internal radiation exposure. Intake retention functions that are based upon Reference Man metabolic models can be used in the design and conduct of a bioassay program. Programs designed in this way will help to ensure that significant internal exposures are detected, properly investigated, and recorded. Intake retention functions provide a way to make a rapid initial assessment of the significance of bioassay results in terms of an estimated intake. This assessment is needed to identify those exposures that require further investigation and action. The intake that is estimated from the quotient of the measured content of a bioassay compartment and the value of the compartment's intake retention function can be compared to either the current NRC quarterly intake limit or the ICRP Publication 30 Annual Limit on Intake in order to determine the significance of the bioassay result. The quotient of the estimated intake of a radioelement by its respective stochastic ALI value when multiplied by 5 rem gives an estimate of the committed effective dose equivalent of an exposed worker, which then can be added to the worker's external effective dose equivalent in order to determine his total radiation exposure status. In cases of significant exposures, follow-up bioassay procedures should be used to confirm and make better estimates of the intake. Follow-up bioassays help to improve the accuracy of dose estimates. Routine bioassays help to identify trends in the internal exposure of the worker; trends that may indicate either a need for greater control of the working environment or the need for requalification training of individual workers.

When a number of bioassay measurements are used to evaluate an internal radiation exposure incident, an intake retention function derived from ICRP Publication 30 or other current metabolic models can be used as the expectation fitting function. The amount of the intake is that which gives the best fit of the individual measurements to their respective expectation values. A simple fitting procedure, which relies on an expectation function derived from Reference Man metabolic models, provides an estimate of the intake. Because of the usually poor and limited bioassay data that are normally available in an exposure incident and because of the complex pattern associated with (1) uptake from compartments in the respiratory and GI tracts, (2) the recycling of a radionuclide in systemic compartments, and (3) final excretion from the body, generally it will not be possible to resolve an individual's metabolic parameter values from the bioassay data. However, a series of bioassay measurements may help in determining the most appropriate ICRP lung classification, as well as the effective AMAD of inhaled aerosols, which can be used to improve the accuracy of the estimated intake and associated committed effective dose equivalent. Another helpful measure in assigning the appropriate lung classification is the fecal to urine ratio of activity, and this may be compared to the 24-hour IRFs for feces and urine, which are listed in the tables.

In serious exposure cases, more detailed evaluations may be required. In such cases or when exposures might provide bioassay data that can be used to validate or improve the models used in this guide, users of this report are encouraged to make such detailed evaluations even if the estimated doses may not warrant such evaluations. To avoid undue concern regarding exposures, the purpose of such evaluations and all other pertinent information should be communicated to workers prior to the initiation of such special bioassay.

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APPENDIX A

EXAMPLE OF USE AND VERIFICATION BASED ON ACTUAL EXPERIENCES

1. INTRODUCTION

Bioassay models may be tested by comparing calculated estimates of excreted radionuclides with bioassay measurement results obtained from actual workers who have been accidentally contaminated.

Because the excretion of radionuclides may be influenced by diet, the health condition of the worker, age and level of physical and metabolic activity, and voiding frequency, variation from predicted results and individual variability should be expected.

There are other possible reasons for actual bioassay data to vary from expected results. Several simplifying assumptions are used in bioassay models, e.g. the lung clearance classifications (D, W, and Y) are known, and particle size distributions have a characteristic 1.0 micrometer activity median aerodynamic diameter. The solubility of the inhaled radionuclide and the actual particle size distribution are often not known. The time at which a urine or fecal sample was obtained may not have been well-documented. Additionally, it may not be known whether the sample represents a complete or partial sample. In the general evaluation of bioassay results, assumptions regarding volume of urine excreted per day or total mass of feces excreted per day may be necessary due to the lack of specific detail. Using Reference Man (ICRP74) one assumes a daily urinary excretion of 1.4 L/day and a mass of fecal excretion of 135 g/day.

Some of the examples in the following sections have been modified so that specific persons cannot be identified with specific times or places. On the other hand, the measurements are real and reflect the uncertainty associated with the interpretation of bioassay measurements.

2. INHALATION OF CLASS D URANIUM

An accident happened and some UF_6 was accidentally released from Sequoyah Fuels Corporation's Facility at Gore, Oklahoma. In order to assess the public health impact associated with it, urine samples were collected and analyzed for uranium. The results showed the maximum uranium intake among on-site workers was approximately 28 mg (AHIPHATF86). The estimated effective dose equivalent for this worker was approximately 0.46 mSv (46 mrem). The dose to the maximally exposed off-site individual, based on uranium bioassay measurements, was calculated to be 0.014 mSv (1.4 mrem). The potential dose to a maximally exposed off-site resident based on source term and plume modeling calculations was 0.022 mSv (2.2 mrem). These radiological doses are insignificant compared with the background radiation of 1.06 mSv/yr (106 mrem/yr) in the area.

The following is an example showing how to use tables presented here to assess the intake for three people, whose urine samples were collected and measured.

From the tabulation for Class D inhalation of uranium, obtain the fractional values of intake in accumulated urine. Decay correction is not necessary because of the very long halflives of U-234, U-235 and U-238. Calculate the accumulated U in urine excreta as follows:

$$\Delta t_i = t_i - t_{i-1} \quad (A.2.1)$$

$$\Delta A_i = C_i \times 1.4 \text{ L/day} \times \Delta t_i \quad (A.2.2)$$

$$A_i = \Delta A_1 + \Delta A_2 + \dots + \Delta A_i \quad (A.2.3)$$

where:

- i = sequence number of sample,
- t_i = time post intake for i th sampling (days),
- C_i = concentration of uranium in urine from i^{th} sampling (μg uranium per liter),
- ΔA_i = uranium in i^{th} urine sample (μg uranium),
- A_i = uranium in accumulated urine up to time = t_i (μg uranium),
- and 1.4 L/day is the daily urine volume for Reference Man.

The best estimate of the intake is:

$$I = \frac{\sum_i r_i A_i}{\sum_i r_i} \quad (A.2.4)$$

where:

- I = best estimate of intake in μg (or Bq for radioactivity),
- A_i = sample measurement, μg (or Bq for radioactivity),
- r_i = fraction of intake in accumulated urine at time of i^{th} sampling.

Values of r_i , for sampling times shown in Table A.2, were obtained from the Table on page B-163. The results can be seen in Table A.2. Some sampling times are not listed on page B-163 and values for r_i were determined from equation 2.5.1 for these times.

Table A.2 Example of Intake Estimates Based on Measurements of Uranium in Urine

Individual Number	Time of Sample Post Intake, t_i (days)	Conc. Of Uranium in Urine, C_i ($\mu\text{g}/\text{l}$)	Calculated Frac. of Intake in Accum. Urine, r_i	Estimated Value of Uranium in Accum. Urine, A_i (μg)	Best Estimate of Intake, I (μg)
1	0.20	6,100	0.0500	1,700	
1	0.60	990	0.132	2,300	
1	2.0	90	0.259	2,500	
1	3.0	210	0.291	2,700	1.1E04
2	0.20	9,600	0.0500	2,700	
2	0.40	2,600	0.0950	3,400	
2	0.80	1,300	0.162	4,100	
2	2.8	220	0.287	4,700	2.1E04
3	0.36	540	0.0867	270	
3	0.50	310	0.114	330	
3	0.65	110	0.140	350	
3	2.0	8	0.259	370	
3	2.8	12	0.287	380	1.7E03

Values for the best estimate of intake were based on the minimum value of the chi-squared statistic, X^2 , which is defined as the ratio of the sum of the squares of the differences between measured values, A_i , and expectation values, $\langle r_i I \rangle$, and the variance, δ_i^2 . Thus,

$$X^2 = \sum (A_i - \langle r_i I \rangle)^2 / \delta_i^2, \text{ and}$$

$$\frac{dX^2}{dI} = 0,$$

and for constant variance, equation A.2.4 is the result. Values measured for individual number 2 have been plotted versus calculated values in Figure A.2.1. The calculated mass of natural uranium in urinary excreta was determined by multiplying the best estimate of intake by the fraction of intake in accumulated urine.

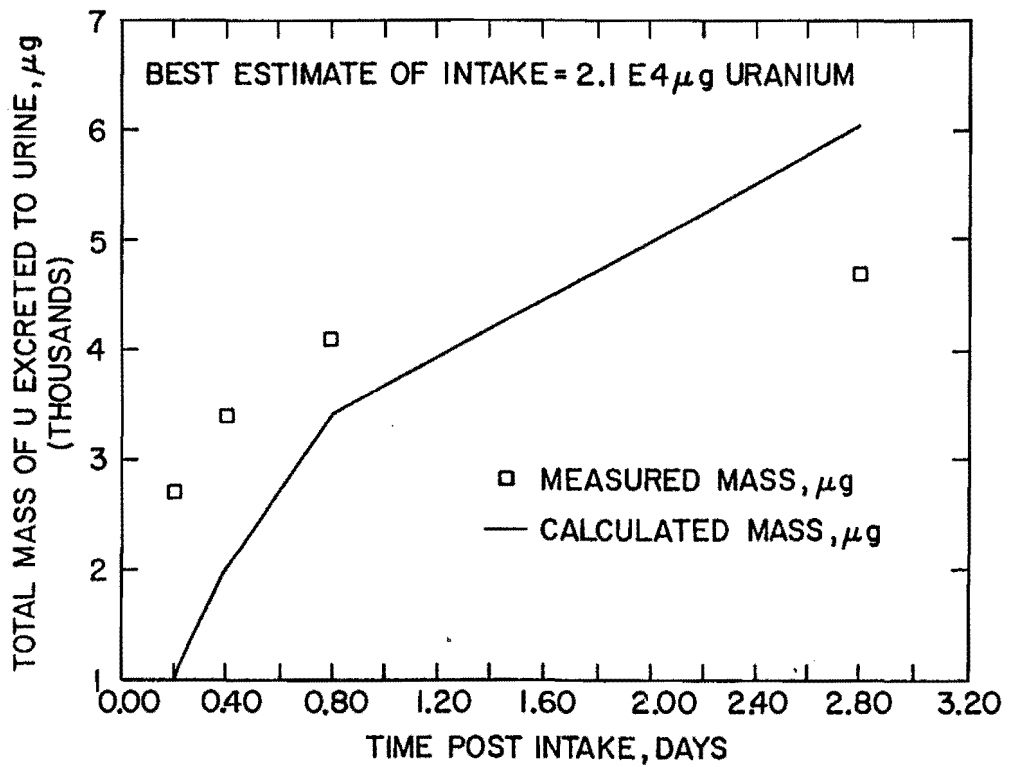


FIGURE A.2.1 Calculated and Measured Values for Uranium Excreted to Urine from Individual Number 2 Following Inhalation of Uranium Hexafluoride.

3. INHALATION OF CLASS D Cs-137 and CLASS W Co-60

Through routine whole-body counting of personnel at a national laboratory, workers were found with detectable body burdens of both Cs-137 and Co-60. Monitoring was at one year intervals; thus, we assumed the intake occurred just after the last monitoring, or one year previous to sampling.

The whole-body monitoring results were as follows:

<u>Case</u>	<u>Incorporated Nuclide (Amount)</u>
1	Cs-137 (52 Bq) ; Co-60 (192 Bq)
2	Cs-137 (133 Bq) ; Co-60 (48 Bq)

From the Class D and Class W tables (pages B-111 and B-212), the total body retention fractions for Cs-137 and Co-60, respectively are 5.93×10^{-2} and 1.30×10^{-2} . Class W was assumed for Co-60 because the associated committed effective dose equivalent was greater than that computed by assuming Class Y. The retention fraction at 365 days post intake was obtained from interpolation between the values tabulated for 300 and 400 days.

The estimated intakes are as follows:

<u>Case</u>	<u>Estimated Intake</u>
1	$192 / (1.30 \times 10^{-2}) = 14,800 \text{ Bq for Co-60}$ $52 / (5.93 \times 10^{-2}) = 878 \text{ Bq for Cs-137}$
2	$48 / (1.30 \times 10^{-2}) = 3,700 \text{ Bq for Co-60}$ $133 / (5.93 \times 10^{-2}) = 2,240 \text{ Bq for Cs-137}$

The stochastic ALI values for the inhalation of Class W Co-60 and Class D Cs-137 are both $6 \times 10^6 \text{ Bq}$. Thus, estimates of the committed effective dose equivalent are:

<u>Case</u>	<u>Estimated Committed Effective Dose Equivalent</u>
1	$(\frac{878}{6.0E+06} + \frac{14,800}{6.0E+06}) \times 0.05 \text{ Sv} = 1.3E-04 \text{ Sv} (0.013 \text{ rem})$
2	$(\frac{2,240}{6.0E+06} + \frac{3,700}{6.0E+06}) \times 0.05 \text{ Sv} = 4.95E-05 \text{ Sv} (0.0050 \text{ rem})$

Because of the conservative assumptions about the time of intake, doses are probably less than the estimates above.

4. RADIOIODINE INGESTION AND INHALATION

Case I: Ingestion of I-131

A known amount of I-131 was given to a patient for diagnostic purposes (L18). The patient was found to have normal thyroid function. On the 7th day after iodine administration, bioassay was started and included in vivo measurements and analysis of the nuclide concentration in urine samples. Experimental data from the patient are shown in Table A.4.1, together with the Appendix B intake retention fractions.

Based on comparison of experimental and Appendix B IRFs, we conclude that the iodine models for ingestion and for systemic iodine incorporation are representative of the patient's metabolism of iodine. When monitoring is done through urine analysis, samples have to be repeated to reduce the uncertainty associated with normal fluctuations, which are expected due to daily differences in diet. Urine data were also influenced by the assumption of a 24-hour urinary volume of 1.4 liters. However, in vitro bioassay through urine analysis is a good method of detection of abnormal situations.

Table A.4.1 Comparison of Patient's Results with IRFs in Appendix B (p. B-587) for Iodine-131

Time After Intake days	Measured Fraction of Ingested Activity In:		Appendix B IRFs for I-131:	
	Total Body	24-Hour Urine	Total Body	24-Hour Urine
7	1.8E-01	-	1.63E-01	-
8	1.5E-01	3.9E-04	1.49E-01	2.93E-04
9	-	3.6E-04	-	2.99E-04
10	-	3.5E-04	-	2.99E-04
20	4.7E-02	1.3E-04	5.10E-02	2.00E-04
40	-	3.4E-05	-	4.32E-05

Case II: Accidental Overexposure by Inhalation

A worker involved in I-131 labeling of radiopharmaceutical substances was accidentally overexposed (Li85). This was detected by abnormally high concentrations of I-131 in urine samples which were collected on a bi-weekly basis. Due to a holiday, there was no work in the week when the sample was taken, thus exposure was assumed to have occurred ten days before. The accident was due to a problem in the exhaust of the evaporation box, and this was reported by the worker. Thereafter, the worker was restricted from working in the area where I-131 labeling was performed. Daily urinary samples were taken from day 16 to day 26 after the probable exposure. In vivo counting of the thyroid was performed on days 18 and 20. A summary of the results for the bioassay measurements is given in the Table A.4.2 together with the IRFs expected in urine and in the thyroid.

Table A.4.2 Bioassay Results and IRFs for Accidental Iodine-131 Inhalation

Time After Accident, Days	24-Hour Urine Bioassay Result, Bq	24-Hour Urine IRF, Appendix B	Thyroid Results, Bq	Thyroid IRF, Appendix B
10	1440	1.88 E-04		7.51 E-02
16	987	1.57 E-04*		
17	970	1.50 E-04*		
18	419	1.42 E-04*	4.81 E+05	3.55 E-02*
19	318	1.34 E-04*		
20	378	1.27 E-04	3.90 E+05	2.95 E-02
21	557	1.19 E-04*		
22	543	1.11 E-04*		
23	574	1.04 E-04*		
24	318	9.72 E-05*		
25	305	9.06 E-05*		
26	311	8.43 E-05*		
30		6.25 E-05		1.16 E-02

*Values obtained by interpolation of Appendix B (p. B-103) values

A best estimate of intake based on the urine bioassay results, which is given by equation A.2.4, yields an intake of $4.99 \text{ E}+06 \text{ Bq}$. A best estimate of intake based on thyroid measurements yields $1.34 \text{ E}+07 \text{ Bq}$. Intake based on urinary results is a factor of 2.7 lower than intake based on thyroid measurements. Calculated and measured values for I-131 in daily excreta are plotted in Figure A.4.1. Calculated values were obtained by multiplying $4.99 \text{ E}+06 \text{ Bq}$ by the IRF for 24-hour urinary excretion of I-131.

The early excreta measurement on day 10 tends to agree with intake based on thyroid counting. Variation may be due to dietary factors, radiation damage to the thyroid or biological variation of the individual; for example, the person may be iodine deficient. In this situation, intake should be based on thyroid measurements since radioactivity in the thyroid represents a large fraction of the intake and since thyroid dose equivalent dominates the effective dose equivalent. Thus, the best estimate of intake is $1.34 \text{ E}+07 \text{ Bq}$. The committed effective dose equivalent per unit of intake, from ICRP Publication 30, is $1.4\text{E}-08 \text{ Sv per Bq}$. Thus, the committed effective dose equivalent is $1.8\text{E}-01 \text{ Sv}$ ($1.8\text{E}+01 \text{ rem}$). However, in the case of I-131, the committed dose to the thyroid per unit of intake is given as $4.8\text{E}-07 \text{ Sv per Bq}$. Thus, the committed thyroid dose equivalent is 6.2 Sv (620 rem). Because the level of thyroid dose is high, medical follow-up is recommended since late effects such as hypothyroidism, thyroid adenoma, and thyroid cancer are possible but not highly probable 10 to 30 years after the exposure (Ad86, NCRP85).

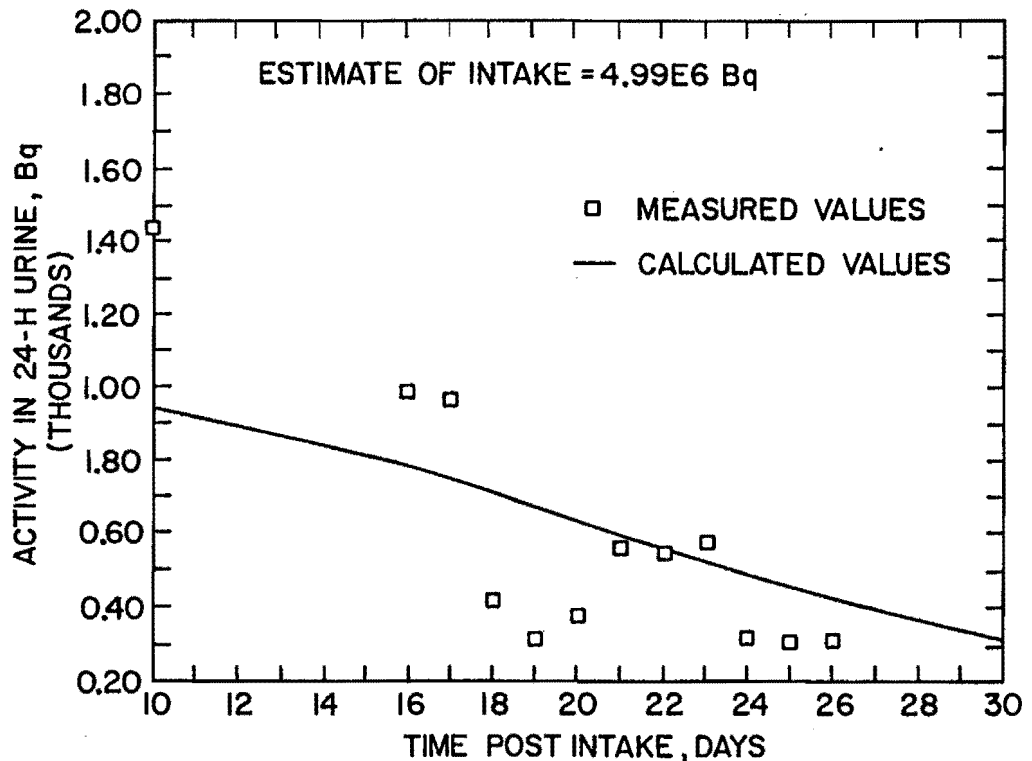


FIGURE A.4.1 Calculated and Measured Values for I-131 Activity in One Day Urine Samples for Worker in Case II. The Estimate of Intake is Based on Urinary Measurements Only.

Case III Unknown Day of Inhalation of I-131

In the same installation as in Case II, but two years later, routine bioassay monitoring showed the following on two workers:

Table A.4.3 I-131 Measurements on Two Workers

Date of Monitoring May	Activity in 24-Hour Urine, Bq Bq	Activity in Whole Body,
Worker A		
18		Background
22	3500	4,070
27	2.0	1,110
Worker B		
15	63	
22	4700	8,140
27	62	2,960
28	17	

We conclude, by comparing these results with IRFs from Appendix B (p. B-101, 103), that the probable time of the exposure of the two workers was between 1 and 2 days prior to the May 22 whole-body count. This conclusion came from analyses of the rate of disappearance of iodine. Results of the analyses are shown in Table A.4.4.

Table A.4.4 Determination of Unknown Time Post Intake of Iodine 131

Assumed Day Post Intake days	Date of Measurement	Worker A Ratio*	Worker B Ratio*	Appendix B IRF Ratio**
1	May 22	8.6 E-01	5.8 E-01	1.1 E+00
2	May 22	8.6 E-01	5.9 E-01	3.3 E-01
5	May 27	1.8 E-03	2.1 E-02	1.1 E-02
6	May 27	1.8 E-03	2.1 E-02	4.1 E-03

* $\frac{24\text{-hour urine activity}}{\text{whole-body activity}}$

** $\frac{24\text{-hour urine IRF}}{\text{whole-body IRF}}$

The counting error relative to the net count associated with the May 27 urine activity is greater than that associated with the May 22 measurements, thus the May 22 ratios may be more reliable indicators of time post intake. However, day to day variation in individual diet and urinary excretion will generally have greater impact on the result than does counting error.

These examples illustrate how well the IRFs from Appendix B represent iodine incorporation and excretion; although, there are some differences according to individual metabolism. Comparing the tables in Appendix B and the data from the workers, we conclude that for a single intake:

- (1) bioassay through urinalysis is a method that is truly capable of detecting abnormal exposures to I-131 if it is performed promptly after exposure since typical minimum detectable urine activity is on the order of 2 Bq (50 pCi) per liter for I-131,
- (2) in vivo monitoring is useful in order to detect exposures after a longer period of time since typical minimum detectable thyroid activity is on the order of 750 Bq (20 nCi) for I-131, and
- (3) in cases where exposure is detected by chance, from routine bioassay monitoring, it is useful to have both in vitro and in vivo results in order to determine when exposure took place.

5. INHALATION OF THORIUM AND URANIUM

Case I: Thorium

For thorium, the amount which is inhaled and subsequently excreted through the gastrointestinal tract is much greater than the amount excreted through the urine pathway. Additionally, the portion of intake that is cleared to the gastrointestinal tract is one that results from the non-systemic deposit. The annual limits on intake for Class W and Class Y 1 micrometer AMAD aerosols of thorium 232 are 40 Bq and 100 Bq, respectively. Examination of the IRFs in Appendix B provides the following insight into routine bioassay monitoring for inhalation of 1 ALI of thorium 232:

Table A.5.1 IRFs and Urine Activity Corresponding to 1 ALI of Thorium-232

Time After Intake days	Class W IRF 24-Hour Urine	Activity in 24-Hour Urine, Bq	Class Y IRF 24-Hour Urine	Activity in 24-Hour Urine, Bq
1	5.33E-03	2.13E-01	2.85E-04	2.85E-02
2	1.42E-03	5.68E-02	7.81E-05	7.81E-03
3	4.09E-04	1.64E-02	2.23E-05	2.23E-03
4	1.54E-04	6.16E-03	7.88E-06	7.88E-04
5	9.04E-05	3.62E-03	4.13E-06	4.13E-04

For single intake of 1 ALI of thorium 232, we conclude that bioassay through urine analyses is not suitable unless one collects the urine sample immediately following the accidental exposure. We also conclude that routine monitoring of occupationally exposed persons is not practical if one monitors urinary excretion of thorium since recording and investigation levels would be difficult to detect since the typical minimum detection limits for alpha counting is 4E-03 Bq (0.1 pCi) per liter of urine.

One approach to monitoring workers on a routine basis is to examine the feces for thorium 232. The minimum detection limit is on the order of 4E-03 Bq (0.1 pCi) per feces sample. An excretion corresponding to the ALI would be as follows:

Table A.5.2 IRFs and Feces Activity Corresponding to 1 ALI of Thorium-232

Time After Intake days	Class W IRF 24-Hour Feces	Activity in 24-Hour Feces, Bq	Class Y IRF 24-Hour Feces	Activity in 24-Hour Feces, Bq
1	4.22E-02	1.69E+00	5.10E-02	5.10E+00
2	1.35E-01	5.40E+00	1.57E-01	1.57E+01
3	1.14E-01	4.56E+00	1.28E-01	1.28E+00
4	6.65E-02	2.66E+00	7.23E-02	7.23E+00
5	3.42E-02	1.37E+00	3.59E-02	3.59E+00

As an example of occupational exposure, routine monitoring of exposed persons in a monazite plant produced the bioassay results which are in Table A.5.3.

Table A.5.3 Thorium Levels in Workers and the General Public

Exposed Group	Activity in 24-Hour Feces, Bq	Activity in 24-Hour Urine, Bq
Class W Exposure		
Worker #1	1.9E+00	7.0E-02
Worker #2	9.0E-01	1.3E-02
Class Y Exposure		
Worker #3	3.0E-01	7.0E-03
Worker #4	4.0E-02	below detection limit
Non-Exposed People, Sao Paulo, Brazil		
Mean	5.0E-03	3.0E-03

A problem with fecal monitoring is that in order to assess exposure to thorium 232, which has an ALI based on the 0.50 sv (50 rem) committed dose equivalent limit to bone surface, one must rely on measurements which reflect the non-systemic burden of thorium in the lungs. Urine sample results, which are given in the above example, are based on samples collected on the last day of the work week. If the radiation protection program is successful, urine bioassay should not show thorium 232 concentrations in urine significantly higher than detection limits and different from comparison samples from non-exposed persons.

Based on the 24-hour fecal measurement, an estimate of intake and committed effective dose equivalent can be assigned to the workers in Table A.5.3. Based on Table A.5.2, one would expect between 1.37 and 5.40 Bq in feces if a 40 Bq intake of thorium-232 occurred between 1 and 5 days prior to sampling, for Class W materials. Thus, worker #1 inhaled as little as 14 or as much as 55 Bq. His committed effective dose equivalent is bracketed between 0.02 Sv and 0.07 Sv. For worker #3, his intake ranged between 1.9 and 8 Bq and his committed effective dose equivalent ranged between 9.5E-04 Sv and 4.0E-03 Sv. Urinary measurements yield wider ranges of estimated intake and dose equivalent by an order of magnitude or better.

In vivo monitoring relies on measurements of nuclides at the end of the thorium series, mainly thallium 208, thus requiring an estimate of intake of all daughters including radon 220. Therefore, the algorithm used to interpret results of in vivo measurements is complex, and variation in particle size and the behavior of daughter nuclides would compound the uncertainties which are associated with intake and dose equivalent estimates for thorium. Thus, while fecal monitoring is not an appropriate way to estimate the thorium accumulated in systemic organs, fecal monitoring is the acceptable option for routine monitoring.

The gathering of data for occupationally exposed Th workers and for normal excretion was done by J. Lipsztein, C.A. Nogueira, L. Berteli, A. Fonseca, and J. Gaburo from Comissao Nacional de Energia Nuclear, S. Paulo and rio de Janeiro.

Case II: Uranium

The following discussions regarding uranium are based on the tabulated values in Appendix B, and these data are summarized here for uranium 238:

Table A.5.4 IRFs For Uranium 238

Time After Intake, days	Class D IRF		Class W IRF		Class Y IRF	
	Systemic Region	24-Hour Urine	Lungs	24-Hour Urine	Lungs	24-Hour Urine
1	2.22E-01	1.87E-01	2.11E-01	4.13E-02	2.14E-01	2.28E-03
5	1.65E-01	1.31E-02	1.45E-01	2.69E-03	1.53E-01	1.28E-04
10	1.21E-01	7.26E-03	1.32E-01	1.75E-03	1.49E-01	8.26E-05
20	7.36E-02	3.26E-03	1.16E-01	1.03E-03	1.47E-01	4.62E-05
100	1.47E-02	1.11E-04	4.18E-02	2.43E-04	1.35E-01	1.87E-05

Additionally, the ALI's for uranium 238 are $5E+04$ Bq for Class D, $3E+04$ for Class W and $2E+03$ for Class Y aerosols having an AMAD of 1 micrometer. The minimum detection limit for daily urine sampling is typically 7 ug ($1.7E-02$ Bq), and for in vivo lung monitoring 100 Bq.

For uranium, an appropriate bioassay technique is in vivo lung monitoring for class W and Class Y compounds, and urinary measurement, or in vivo bone measurement, for Class D compounds. For Class W and Class Y compounds, the IRF for the 24-hour urine compartment decreases rapidly, and low levels of natural uranium in urine make it difficult to assess an accidental exposure. Thus, if it is possible to perform in vivo lung monitoring, it should be chosen for Class W and Class Y compounds.

For Class D compounds of uranium, an appropriate monitoring method is to analyze urine samples in the first few days after an accidental intake. After a few days, urinary excretion decreases to the extent that in vivo phoswich detectors positioned near bone, for example the head, are practical.

In summary and in addition, when dealing with uranium it is important to know that: 1) generally exposures are to a mixture of uranium isotopes; 2) when dealing with class D compounds of uranium, chemical toxicity of the kidneys is more important than radiotoxicity; 3) many bioassay methods are useful if the accidental intake is on the order of 1 ALI and measurement occurs during the first few days following the accident; 4) routine monitoring of urinary samples is appropriate for Class D compounds and marginal for Class W compounds of uranium; and 5) in vivo counting of the lungs is the best choice for routine monitoring of Class Y compounds of uranium; 6) actual exposures to uranium have often been found to be comprised of mixture of compound classes including a large fraction of Class D compounds. When a significant fraction of the intake is from Class D compounds, then this component can be used as a

tracer for the estimation of the intake from all compounds. Thus, it may be possible to use urine analysis for the estimation of intake of all compound classes of uranium provided some Class D is present and provided the distribution of compound classes has been determined from simulated lung solubility tests.

6. TRITIUM EXPOSURE INCIDENT

A reactor at a national laboratory is moderated, cooled and reflected by heavy water. Neutrons interact with the heavy water to produce tritium, thus the coolant becomes contaminated with radioactivity. On one occasion, the coolant purification system was being used by new employees who had limited experience. The purification system procedures, which were unwritten at that time, called for a hose to be attached from a light water line to the outlet side of a resin bed and a second hose to be connected to the inlet side of the bed and allowed to drain into a 5-gallon pail. When questioned, the operators who were filling the resin bed remembered that they had the light water supply connected to the bed inlet and the discharge hose leading to the pail connected to the bed outlet, which was the reverse of the procedure. In addition, the technician performing the throttling operation inadvertently caused a rapid increase in pressure, which resulted in immediate ejection of about 3 gallons of tritiated heavy water from the bed into the pail.

The person closest to the pail received the highest exposure to tritium and the following bioassay measurements were recorded.

Time Post Incident, days	Urine Activity Concentration, $\mu\text{Ci}/1$	IRF, from Appendix B, Section 6	Estimated Intake, mCi
1	5.80	0.0392	0.15
3	5.53	0.0340	0.16
9	3.73	0.0224	0.17
10	4.24	0.0209	0.20
30	1.21	0.0051	0.24

The best estimate of intake in this case is obtained from all of the data collectively by using equation A.2.4, which gives an intake of 8.4 MBq (0.23 mCi). This corresponds to a committed effective dose equivalent of (1.0E-04 Sv) 14 mrem based on the intake to dose conversion factor in ICRP Publication 30. Our estimate of intake is based on the assumption of a single exposure to tritium. However, persons working at the HFBR received additional chronic exposures to low levels of tritium in the course of routine operations, and the measurements at 10 and 30 days post the incident are less than ideal because they could be affected by this chronic exposure. The only way to avoid interference would be to remove exposed persons from the working environment until their exposures have been fully evaluated. An ideal case history would be a single exposure starting at a known point in time. Unfortunately, case histories with ideal characteristics do not usually occur in practice.

7. VERIFICATION OF INHALATION AND INGESTION MODELS FOR Mn-54, Co-60, Sr-90, Nb-95, Cs-137, Ce-141, Ce-144, U-233 and Am-241

Actual case studies were used to verify the tabulated results from the bioassay model. Four accidental exposure cases were obtained from the personnel dosimetry files of a large government nuclear site. The four cases represented major internal contamination incidents in which no chelating agents were administered in order to accelerate the excretion of internally deposited radionuclides.

Most of the measurements in this section are associated with early excretion rates and they do not necessarily verify that the committed dose estimates, obtained using the models, are correct. This is because the longer term components of retention often dominate the committed dose calculation, and these components are not evaluated in all cases. However, Mn-54 and Co-60 body-burden measurements are evaluated over the long-term, and in the case of Pu-239 excretion, Jones has evaluated the longer term components (Jo85).

It is noted that the total fecal excretion over the first few days is a measure of the fraction of the inhaled activity that is deposited on the ciliated region of the bronchial tree for "non-soluble" materials, and is essentially independent of whether the material is Class W or Y. This integrated early excretion is very useful for the early evaluation of the seriousness of an inhalation exposure. The ICRP task group that is revising the lung model is considering having early excretion as an explicit feature of the new model.

Case I: Inhalation of Mn-54, Co-60, Sr-90, Ce-141 and Ce-144

A 33-year old, male boilermaker with inadequate protective clothing was performing maintenance work on a steam generator when a contamination incident occurred involving inhalation of mixed fission and activation products. Follow-up dosimetry evaluation included whole-body counting, urine sampling, and fecal sampling; however, useful data were not obtained from urine measurements. Initial intakes of radionuclides were estimated from whole-body counting. Data were subsequently available on the amount of Co-60, Mn-54, Sr-90, Ce-141, and Ce-144 in feces. The inhaled radionuclides were assumed to be Class W for Co-60, Ce-141, and Ce-144 and Class D for the Mn-54 and Sr-90. This exposure incident was evaluated over a period of about two weeks.

Case II: Ingestion of Co-60, Sr-90, Nb-95, Cs-137, Ce-141 and Ce-144

A 35-year old, male maintenance worker, was contaminated with mixed fission and activation products during a leak of primary coolant. Internal contamination occurred when the worker accidentally ingested an unknown quantity of contaminated primary coolant. Dosimetry evaluation included whole-body counting, urine sampling and fecal sampling. Initial intakes of radionuclides were estimated from whole-body counting. Data were subsequently obtained on the amounts of Co-60, Nb-95, Cs-137, Ce-141, Ce-144 and Sr-90 in feces, and on Sr-90 in urine. Bioassay results were evaluated over a period of 4-6 days.

Case III: Inhalation of Highly Soluble, Class D U-233

A 43-year old, female laboratory-chemistry technician was accidentally contaminated when a liquid solution of U-233 standard exploded and sprayed the

victim with a highly soluble, Class D nitrate solution. The intake of U-233 occurred primarily by inhalation. Follow-up dosimetry evaluation involved whole-body counting and urine bioassay. Initial intakes of U-233 were estimated from urine excretion results, and urine samples were collected over a period of more than two months.

Case IV: Inhalation of Class W Am-241

A 46-year old, male chemistry-process technician was accidentally contaminated with soluble Am-241 nitrate during a chemical explosion involving a resin ion-exchange column. We assumed that the Am-241 solution behaved like a Class W compound. This worker received a measurable intake of Am-241 by inhalation. Follow-up internal dosimetry evaluation was based on whole-body counting, urine sampling and fecal sampling. Initial intakes of Am-241 were estimated from whole-body counting, and bioassay results were collected over a period of about two weeks following the accident.

For Case Studies I through IV for Sr-90, Ce-141, Ce-144 and U-233, the initial intakes were calculated using excretion measurements and methods described in this report. For Mn-54, Cs-137, Co-60, N6-95 and Am-241, whole-body counting measurements and methods described in this report were used to estimate initial intakes. All aerosols were assumed to have a 1 micrometer AMAD. Results of the bioassay measurements for Cases I through IV are plotted in Figures A.7.1 through A.7.15. Amounts of radionuclide in urine or feces are plotted as the fraction of the estimated initial intake for various times post intake and are represented by dots. Expected values from the bioassay model are plotted using a continuous line on the same figure for comparison with the observed values. Fractions of initial intake in excreta are given in Table A.7.1 along with associated IRFs.

Table A.7.1 Verification of Measurements in Terms of Fraction of Intake and Time Post Intake for Cases I through IV

Case, Nuclide (Bioassay Compartment)	Time Post Intake, days	Measured Fraction of Intake	IRF*
I, Co-60 (feces)	0.5	6.73E-2	1.10E-2
	1.5	4.00E-1	1.04E-1
	4.5	3.18E-3	4.61E-2
	20.5	1.38E-4	1.10E-3
I, Mn-54 (feces)	0.5	2.45E-2	9.94E-3
	1.5	1.14E-1	6.21E-2
	4.5	1.08E-3	6.78E-3
	20.5	7.24E-5	6.06E-4
I, Sr-90 (feces)	0.5	2.49E-2	1.89E-2
	1.5	1.11E-1	5.83E-2
	4.5	2.68E-3	1.01E-2
	15.5	8.66E-3	7.68E-4

Table A.7.1 Continue

Case, Nuclide (Bioassay Compartment)	Time Post Intake, days	Measured Fraction of Intake	IRF*
I, Ce-141 (feces)	0.5	2.47E-2	5.22E-3
	1.5	1.74E-1	9.78E-2
	4.5	6.17E-4	4.36E-2
I, Ce-144 (feces)	0.5	3.82E-2	4.10E-3
	1.5	2.72E-1	1.01E-1
	4.5	2.93E-3	4.70E-2
II, Co-60 (feces)	0.5	1.30E-1	7.26E-2
	1.5	3.35E-1	4.18E-1
	2.5	1.51E+0	2.73E-1
II, Nb-95 (feces)	0.5	8.95E-2	7.07E-2
	1.5	1.64E-1	4.16E-1
	2.5	1.10E-1	2.62E-1
II, Cs-137 (feces)	0.5	2.42E-3	3.46E-3
	1.5	7.55E-3	6.13E-3
	2.5	4.26E-3	4.61E-3
II, Ce-141 (feces)	0.5	1.83E-1	7.17E-2
	1.5	3.14E-1	4.21E-1
	2.5	2.13E-1	2.73E-1
II, Sr-90 (feces)	0.5	1.06E-1	6.60E-2
	1.5	3.62E-1	3.16E-1
	2.5	1.60E-1	1.98E-1
	3.5	2.88E-3	8.70E-2
	4.5	1.13E-3	3.50E-2
II Sr-90 (urine)	0.5	5.23E-2	4.30E-2
	1.5	2.16E-2	2.83E-2
	2.5	1.39E-2	2.16E-2
II Ce-144 (urine)	0.5	1.84E-1	7.17E-2
	1.5	3.45E-1	4.32E-1
	2.5	2.09E-1	2.85E-2
III U-233 (urine)	0.5	3.78E-1	1.14E-1
	1.5	3.94E-2	1.17E-1
	15.5	1.22E-3	4.58E-3
	29.5	4.72E-4	1.76E-3
	63.5	1.40E-4	3.99E-4
IV Am-241 (urine)	0.5	4.07E-3	5.25E-3
	1.5	1.15E-3	1.79E-3
	2.5	1.22E-3	1.66E-4

Table A.7.1 Continued

Case, Nuclide (Bioassay Compartment)	Time Post Intake, days	Measured Fraction of Intake	IRF*
	3.5	6.84E-4	6.08E-5
	4.5	3.53E-4	5.31E-5
	9.5	1.03E-4	5.00E-5
	10.5	3.93E-4	4.95E-5
	11.5	1.75E-4	4.91E-5
	12.5	1.09E-4	4.87E-5
	13.5	2.63E-5	4.82E-5
IV Am-241 (feces)	0.5	3.09E-1	5.28E-3
	1.5	6.55E-2	1.01E-1
	2.5	9.27E-3	1.35E-1
	3.5	2.48E-3	8.93E-2
	4.5	8.52E-4	4.80E-2
	9.5	3.23E-4	2.43E-3
	10.5	5.56E-4	1.81E-3
	11.5	2.88E-4	1.50E-3
	12.5	1.56E-4	1.34E-3
	13.5	6.78E-5	1.25E-3

*Values of IRF were obtained from equation 2.5.1, Section 2.5.1.

In general, there was agreement between predicted and actual results. The values measured for Cs-137, Ce-141, Ce-144 and Sr-90 were closest to those predicted. Actual measurements made at early times post-exposure typically exceeded the values predicted by the model, which could have resulted from an error in the estimate of initial intake. The model did not fit particularly well for Co-60 in feces, nor for inhalation of the cerium isotopes. The model predicts 2.5 times more than the amount of Nb-95 excreted in feces.

A weighted estimate of intake can be derived from the definition of the chi-squared statistic given in section A.2 and by assuming the variance is that associated with counting errors. Since the weight is the inverse of the variance, and since the variance is the number of counts for radioactivity measurements, the largest values measured will have their impact on best estimate of intake reduced the most. Equation A.7.1 is the result of propagating the counting error into the best estimate of intake.

$$I = \frac{\sum_i r_i}{\sum_i r_i^2 / A_i} \quad \text{A.7.1}$$

where:

I = best estimate of intake,

A_i = the value of the i th measurement, and

r_i = the IRF associated with the i th measurement.

If one uses all the data to obtain the best estimate of intake by using equation A.7.1 or equation A.2.4, the value of intake should approach 1.0 since measured values in Table A.7.1 are given in terms of the fraction of intake. That is, we can compare intake based on whole-body counting to intake based on excretion measurements for the same person. For example, in Case IV for Am-241 in urine, the value of intake equaled 0.77; that is, the unweighted estimate of intake based on ten urinary activity measurements was 77% of the value of intake which was estimated based on whole-body counting measurements. A number of samples may be useful in order to reduce the variation associated with estimating intake from excretion measurements, which is largely due to daily variations in diet and health, and sometimes due to counting errors. Also, a single measurement on an aliquot of a ten sample composite would be cost effective.

The impact of counting error on the best estimate of intake can be inferred by comparing all the unweighted and weighted values given in Table A.7.2. The mean and standard deviation of the unweighted values are 1.5 +/- 1.1 and for the weighted values are 0.73 +/- 0.52. Thus, for these cases it appears that weighted values of intake based on excreta measurements tend to underestimate the intake. This may be due to the fact that early excretion results are given more weight because they have more radioactivity and because IRFs underpredict the amount of intake present in early fecal samples (see Table A.7.1).

The large variations introduced by differences in uptake following inhalation of radioactive materials which result from changes in chemical form and particle size which may occur after deposition, may be reduced by collecting urinary samples several weeks after the intake incident. Thus, in addition to collecting early samples, one should follow-up after an appropriate interval of time for uptake to occur, which could be several months post intake for Class Y material. Thus, collecting and analyzing a number of urinary or fecal samples over a period of time will help to reduce the uncertainty associated with the estimate of intake from excreta measurements.

Table A.7.2 Unweighted Intake Based on Excreta Measurements Divided by Unweighted Intake Based on Whole-Body Counting (U) and Weighted Intake Based on Excreta Measurements Divided by Unweighted Intake Based on Whole-Body Counting (W)

Case	Nuclide	Number of Samples	Type of Sample	U	W
I	Co-60	4	feces	3.2	0.23
I	Mn-54	4	feces	1.8	0.93
II	Co-60	3	feces	2.2	1.3
II	Nb-95	3	feces	0.42	0.43
II	Cs-137	3	feces	2.1	1.4
IV	Am-241	10	urine	0.77	0.78
IV	Am-241	10	feces	0.25	0.048

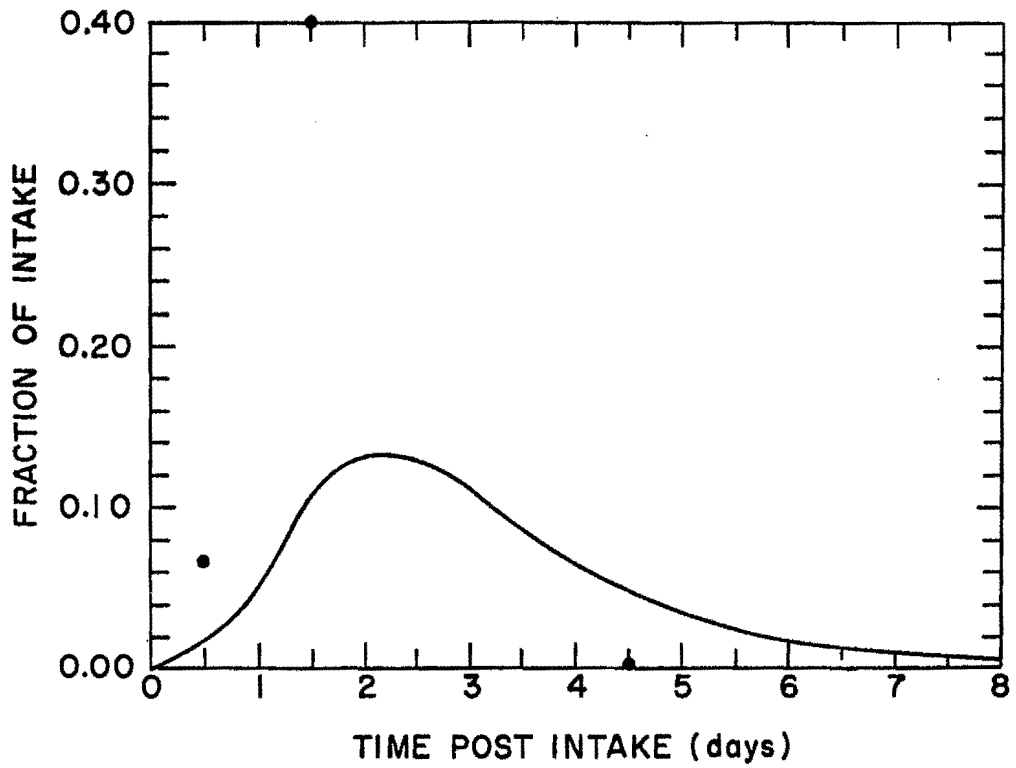


FIGURE A.7.1 Co-60 Inhalation; Feces; Class W

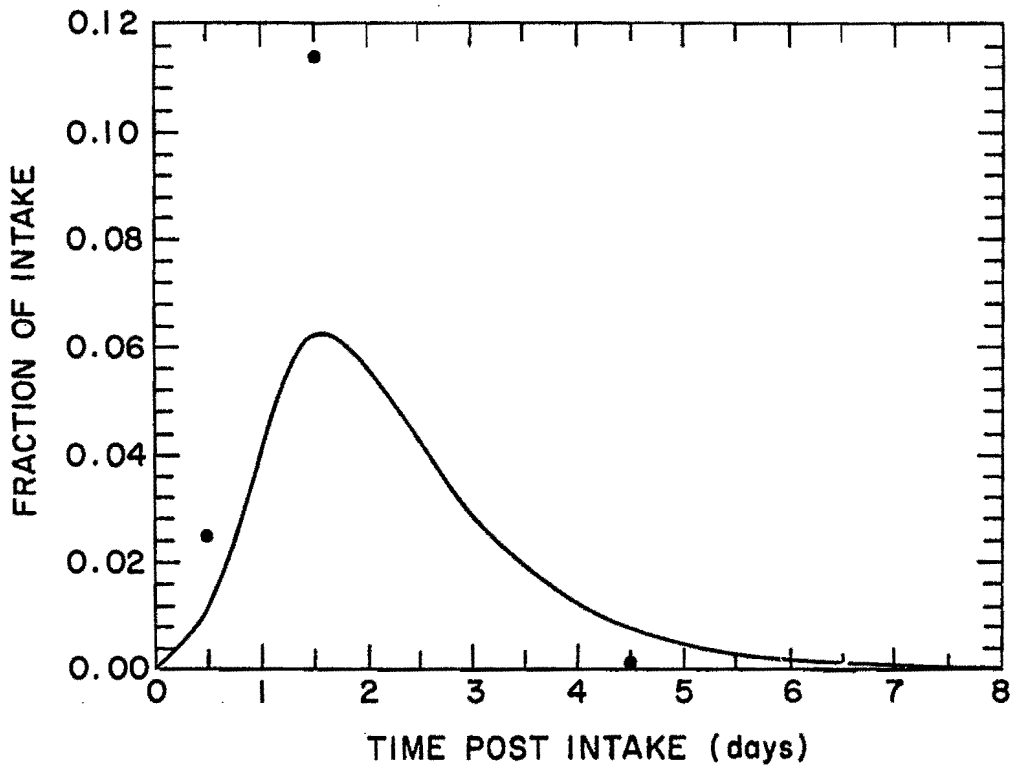


FIGURE A.7.2 Mn-54 Inhalation; Feces; Class D

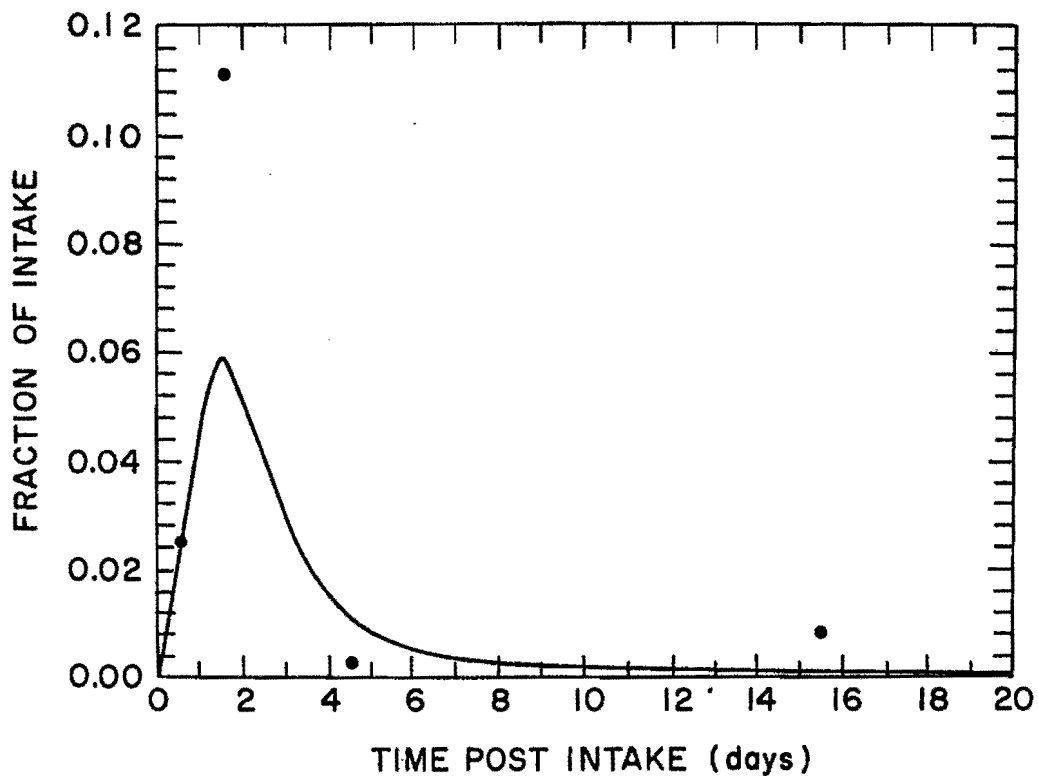


FIGURE A.7.3 Sr-90 Inhalation; Feces; Class D

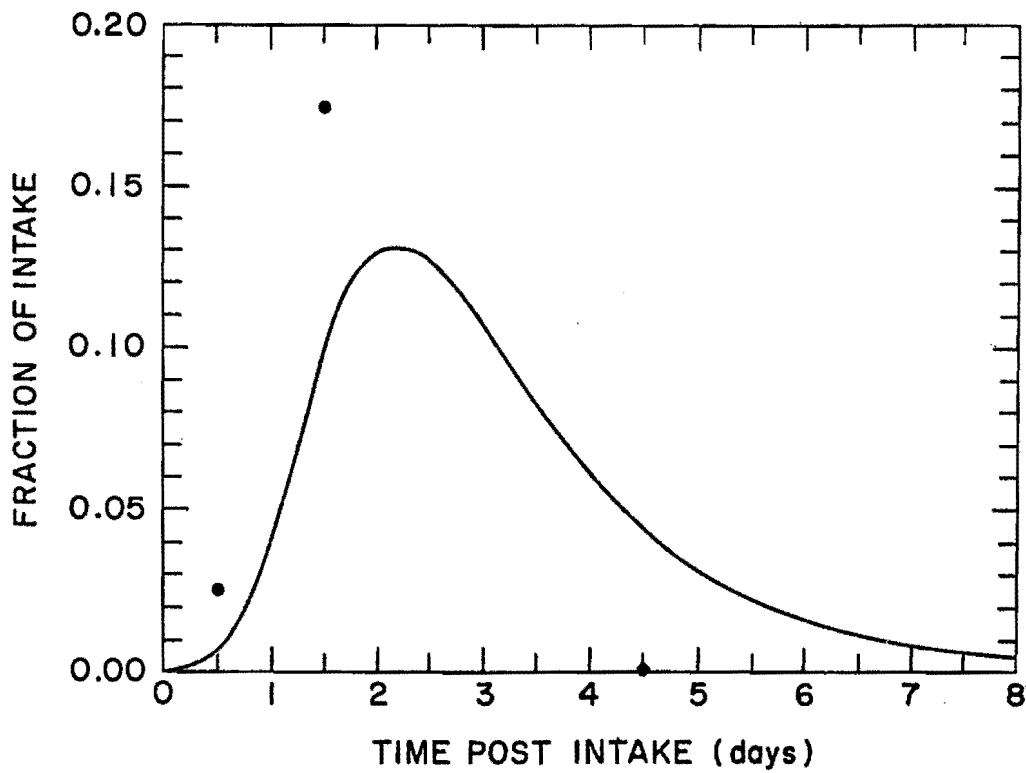


FIGURE A.7.4 Ce-141 Inhalation; Feces; Class W

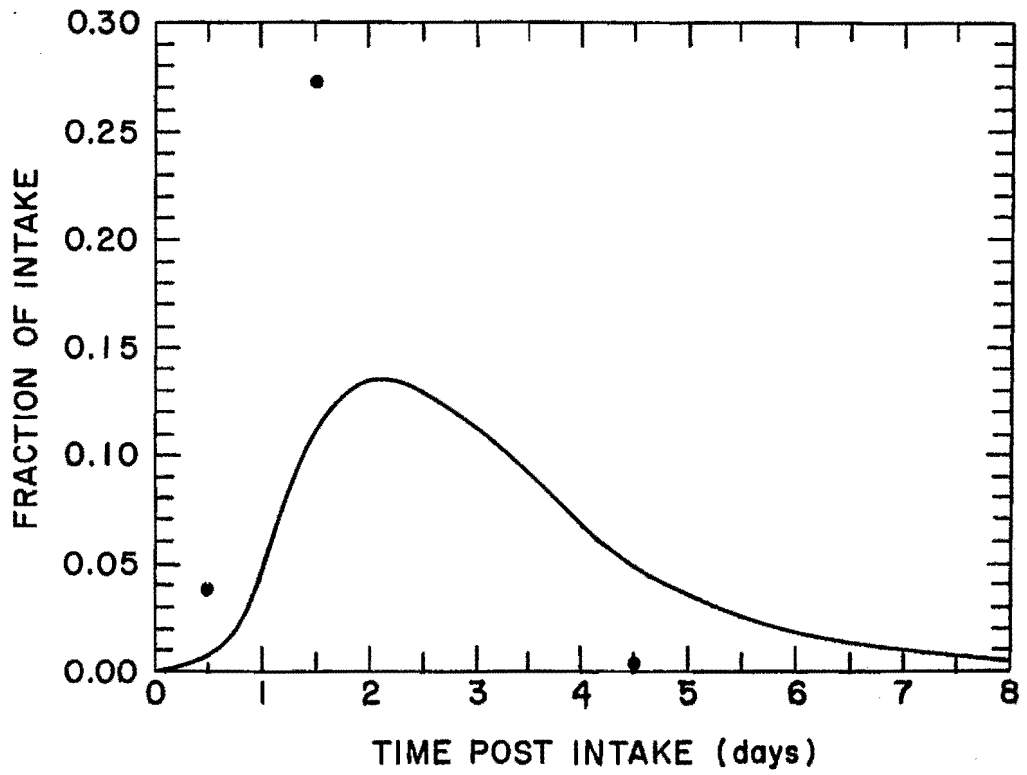


FIGURE A.7.5 Ce-141 Inhalation; Feces; Class W

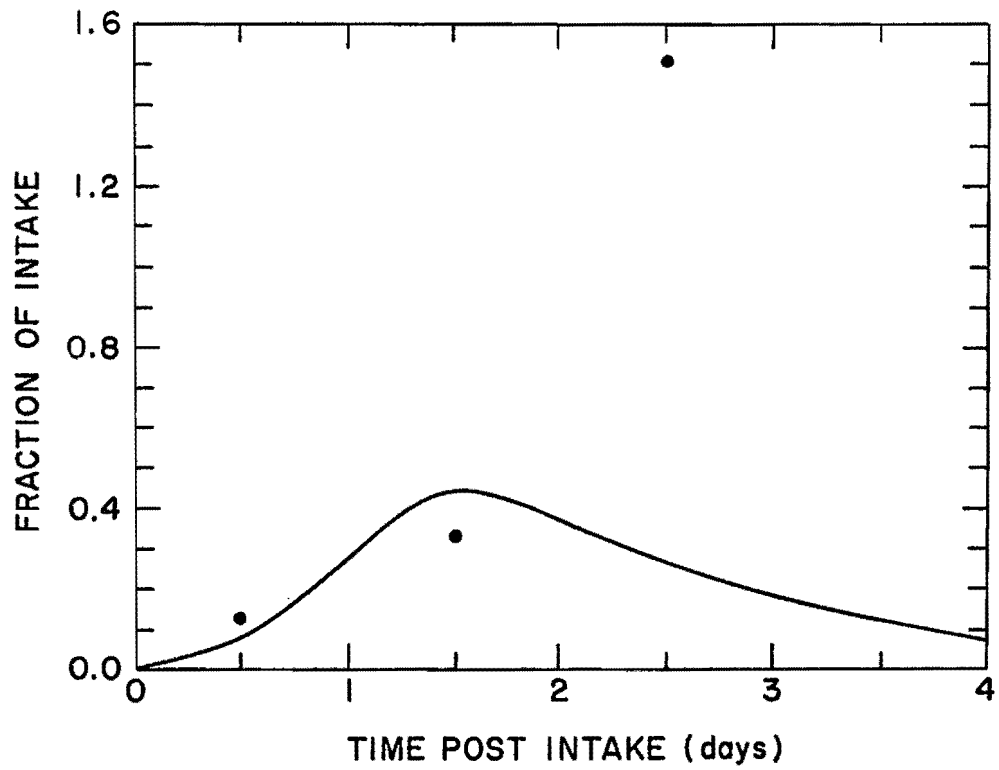


FIGURE A.7.6 Co-60 Ingestion; Feces

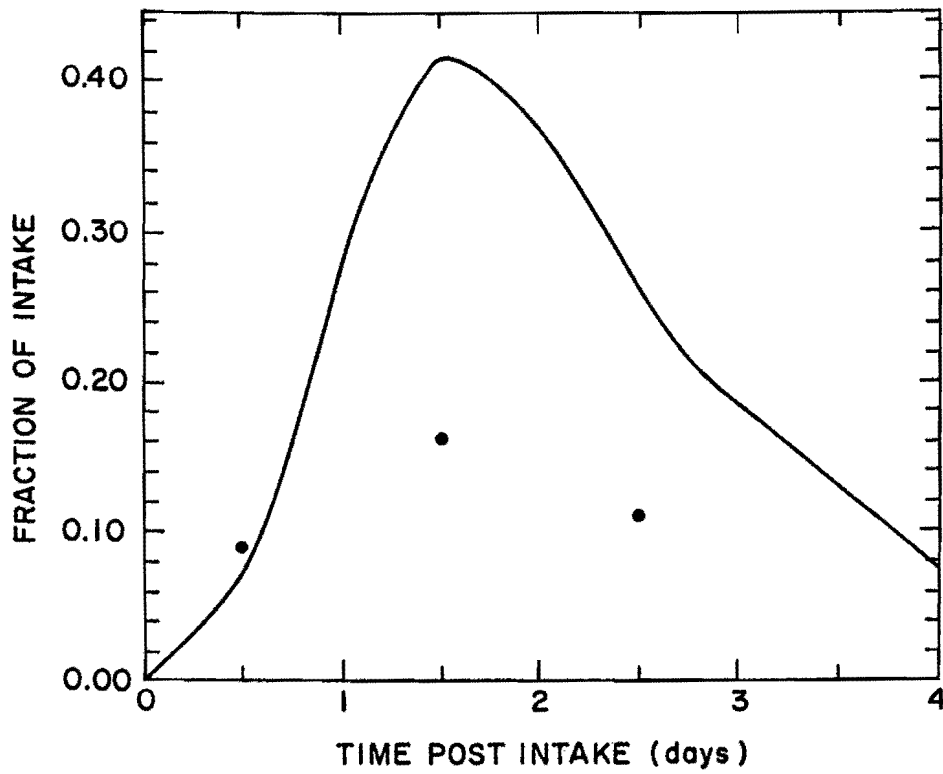


FIGURE A.7.7 Nb-95 Ingestion; Feces

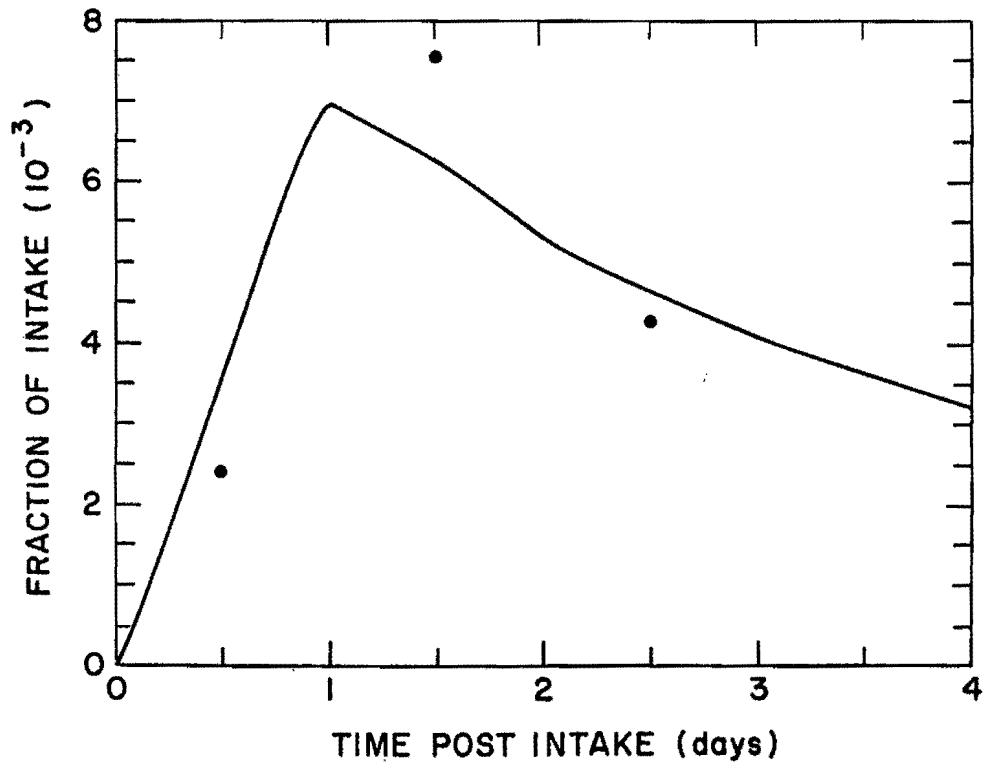


FIGURE A.7.8 Cs-137 Ingestion; Feces

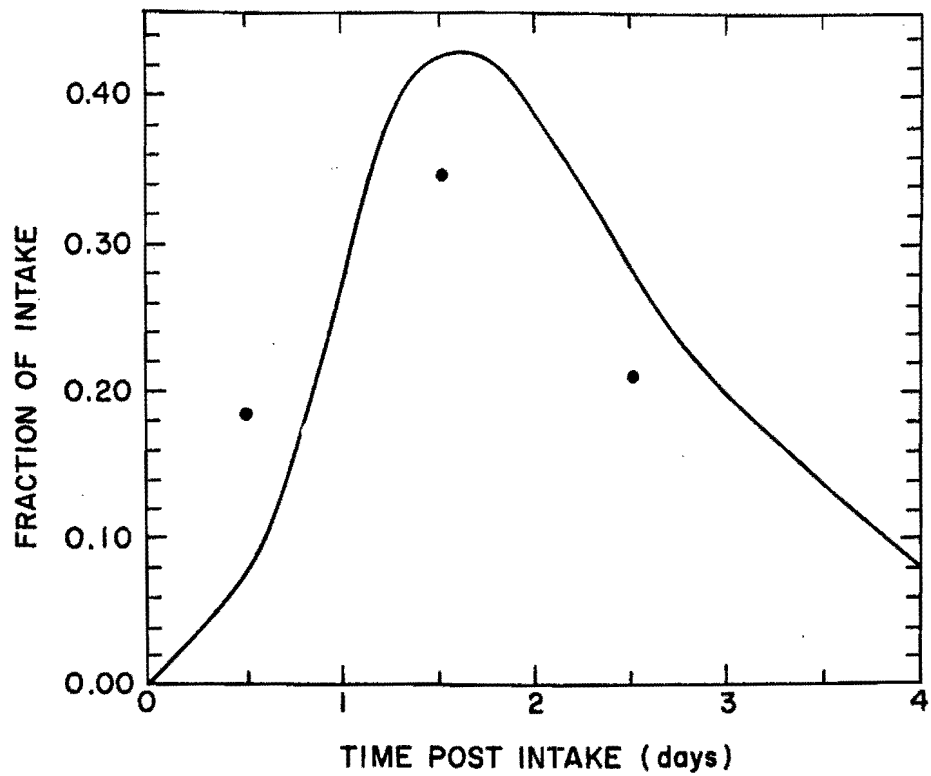


FIGURE A.7.10 Sr-90 Ingestion; Feces

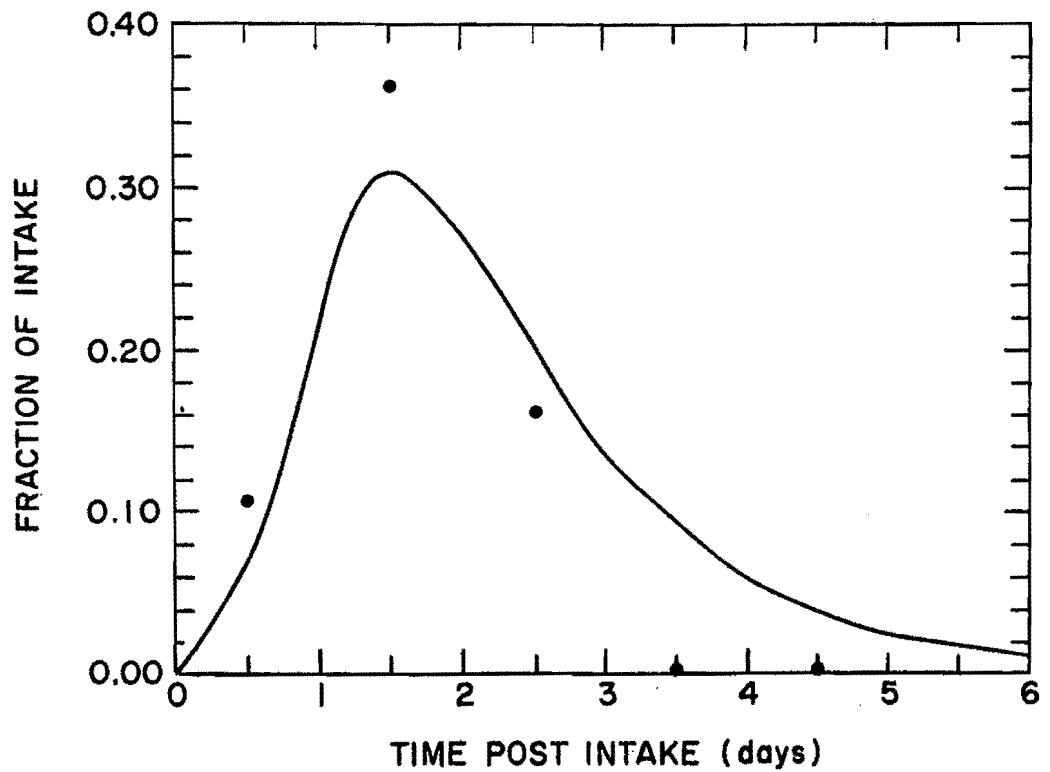


FIGURE A.7.9 Ce-141 Ingestion; Feces

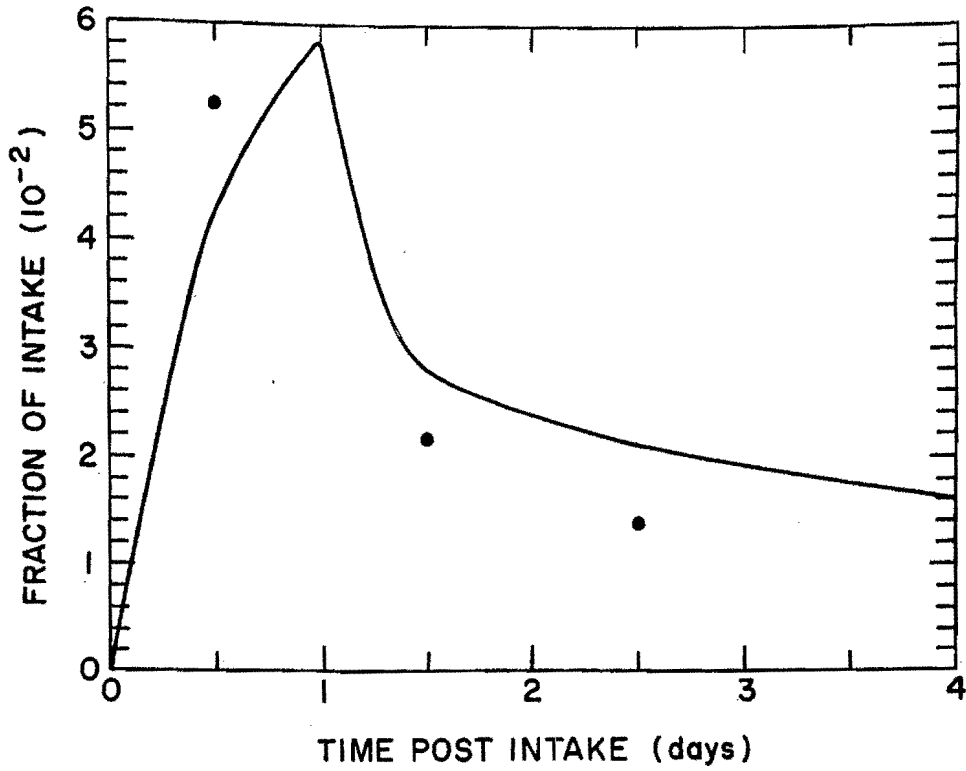


FIGURE A.7.11 Sr-90 Ingestion, Urine

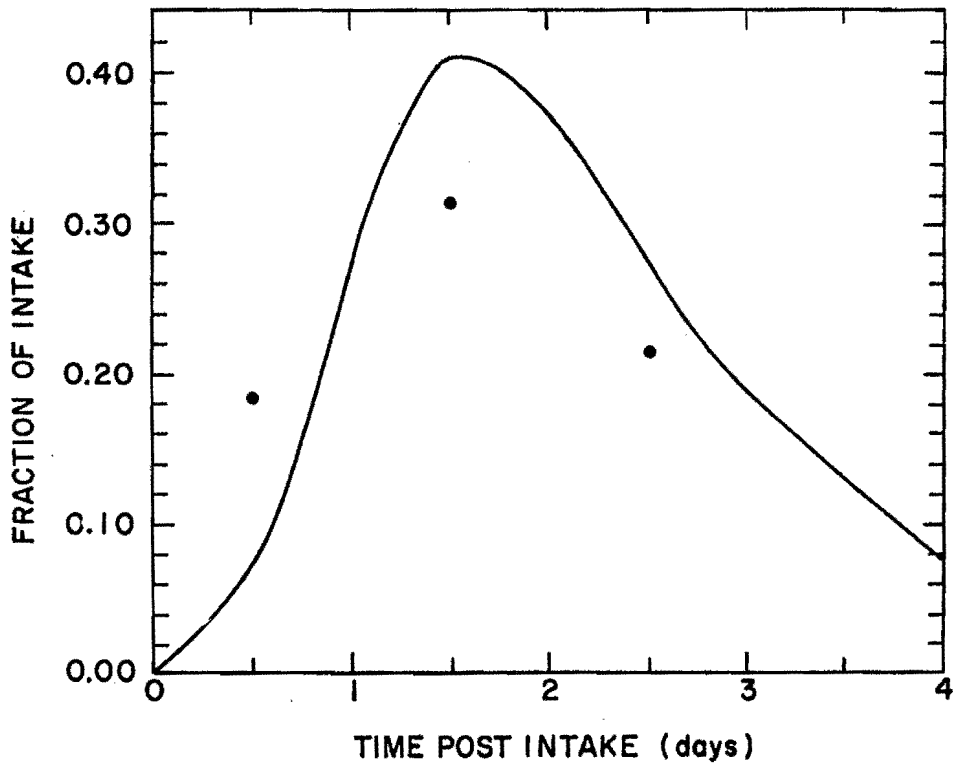


FIGURE A.7.12 Ce-144 Ingestion; Feces

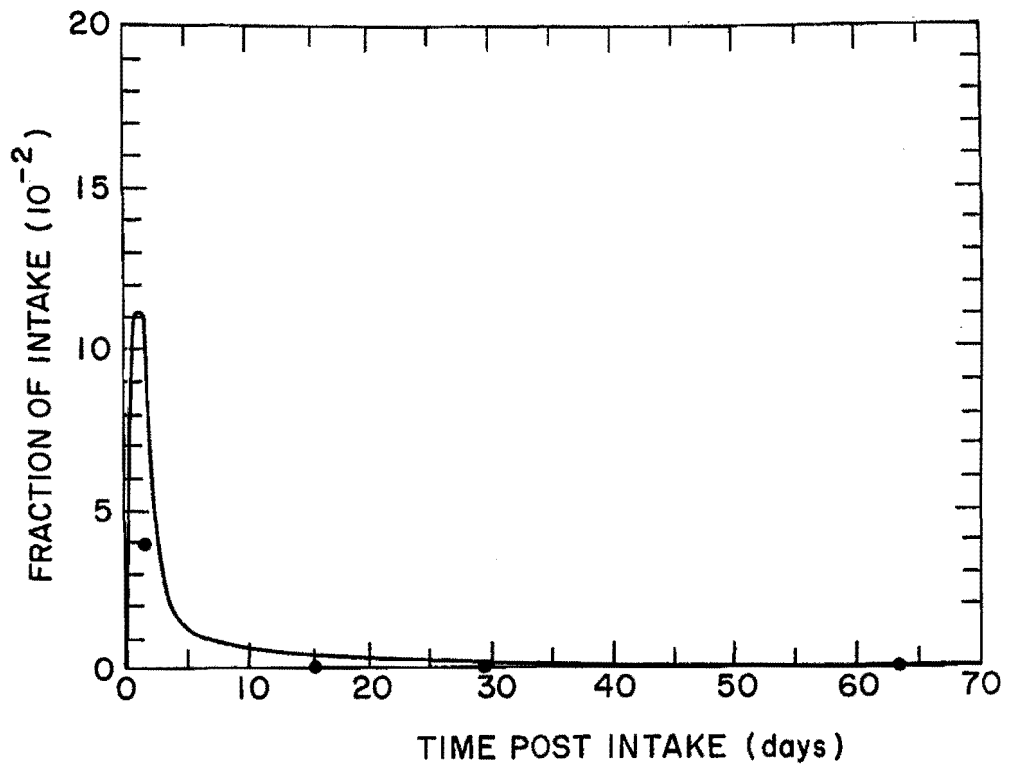


FIGURE A.7.13 U-233 Inhalation; Urine; Class D

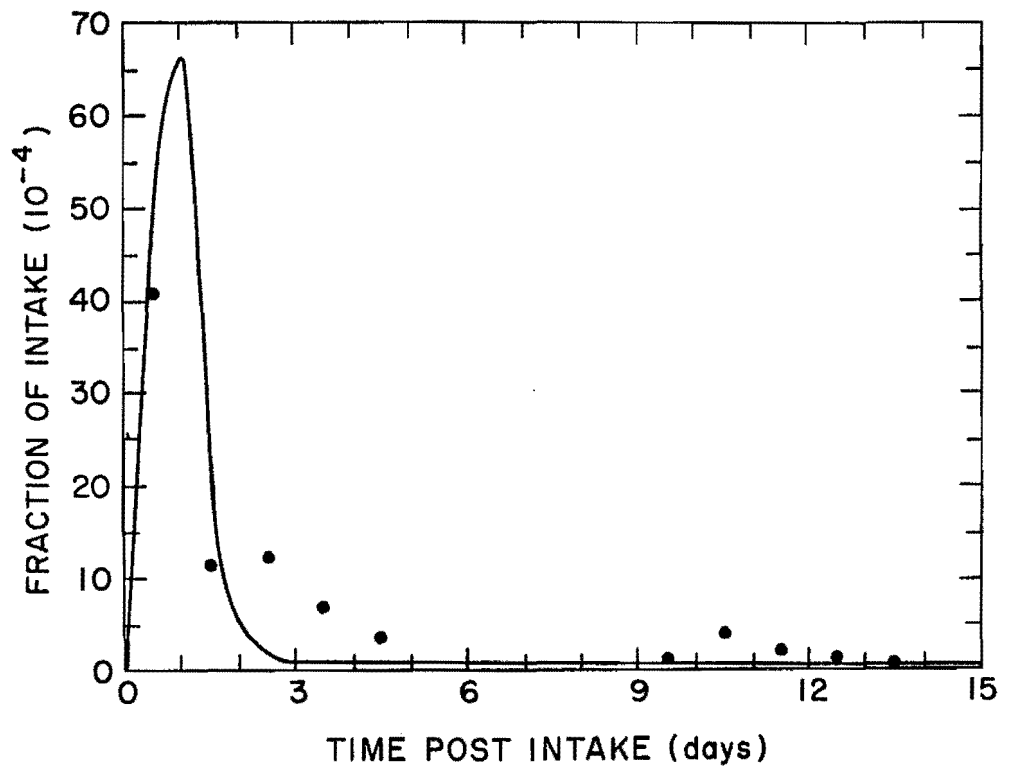
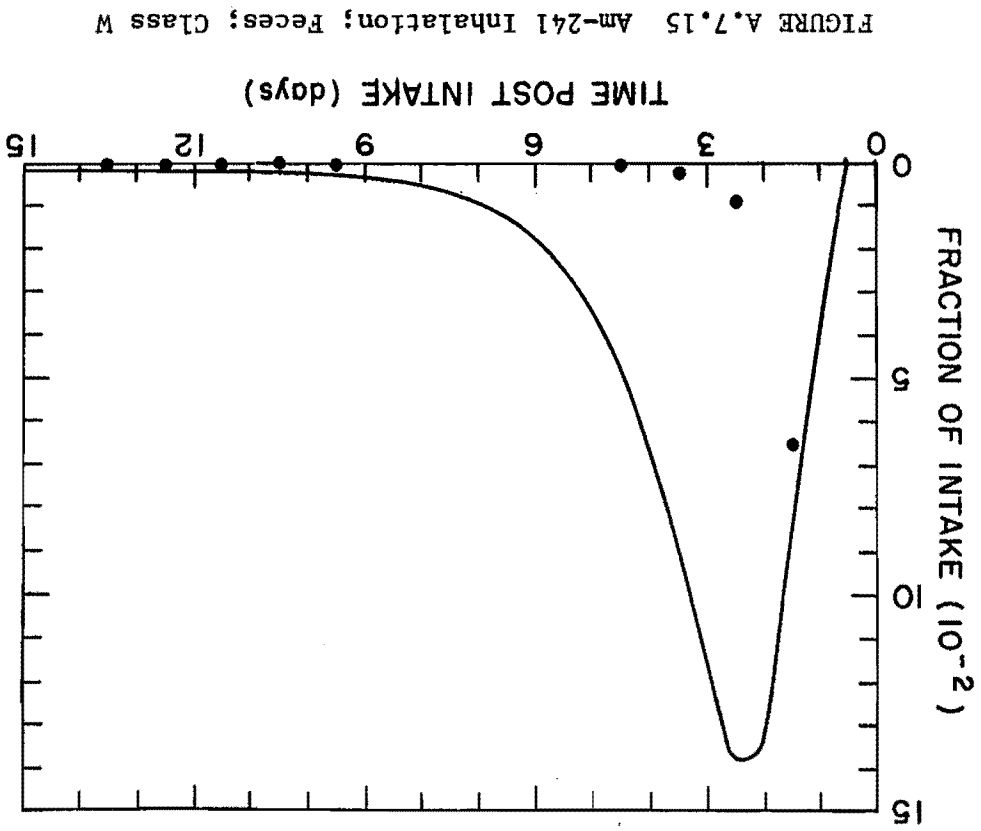


FIGURE A.7.14 Am-241 Inhalation; Urine; Class W



Direct comparison of whole body counting measurements to expectation values of intake in the whole body are presented in Table A.7.3. The expected value of body burden is the product of the IRF and the best estimate of intake. The IRFs were obtained by using equation 2.5.1. The unweighted value of intake was based on equation A.2.4 and the weighted value of intake was based on equation A.7.1.

Table A.7.3 Verification of IRFs Using Whole-Body Counting Measurements

Case	Nuclide	Day Post Intake, days	Measured Body Burden, Bq	Total Body IRF	Unweighted Expectation Value of Body Burden, Bq	Weighted Expectation Value of Body Burden, Bq
I	Co-60	1	3.4E04	5.66E-01	3.7E04	2.1E04
		2	3.7E04	4.23E-01	2.7E04	1.6E04
		8	2.2E03	1.71E-01	1.1E04	6.5E03
		41	1.9E03	1.08E-01	6.7E03	4.1E03
		80	2.0E03	7.08E-02	5.1E03	2.9E03
		148	1.6E03	3.68E-02	2.4E03	1.4E03
		202	1.3E03	2.40E-02	1.6E03	9.1E02
		325	1.0E03	1.28E-02	8.3E02	4.8E02
		667	5.6E02	6.71E-03	4.3E02	2.5E02
		1025	1.5E02	4.30E-03	2.8E02	1.6E02
		1370	1.6E02	2.82E-03	1.8E02	1.1E02
1751	8.9E01	1.77E-03	1.2E02	6.7E01		
I	Mn-54	1	1.0E04	5.77E-01	9.7E03	9.0E02
		2	1.2E04	4.96E-01	8.4E03	7.8E02
		8	2.2E02	3.39E-01	5.7E03	5.3E02
		41	5.6E01	1.57E-01	2.7E03	2.5E02
		148	2.7E02	1.94E-02	3.3E02	3.0E01
		325	2.1E02	6.10E-04	1.0E01	9.6-01

A plot of the relative residuals, which is the squared difference between measured value and expectation value divided by expectation value, versus expectation value, reveals no discernable pattern for unweighted or weighted data. However, the residuals are smaller for the unweighted data which indicates to us that the unweighted estimate of intake, equation A.2.4, is best suited for estimating intakes from several measurements. A plot of total body activity predicted by using both the weighted and unweighted estimates of intake is given by Figure A.7.16. It should be noted that on the average, measured values are closer to the unweighted expectation values.

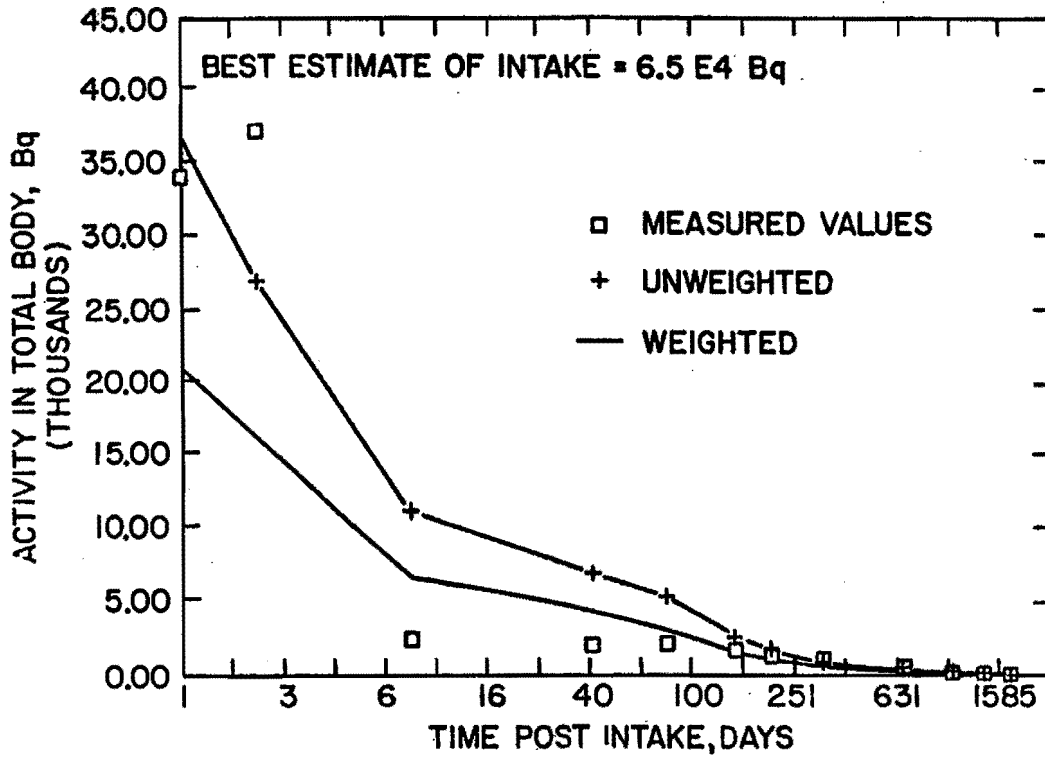


FIGURE A.7.16 Calculated and Measured Values of Total Body Activity Following Inhalation of Class W Co-60.

8. BIBLIOGRAPHY

- ANSI86 American National Standards Institute, Health Physics Society Subcommittee WG 2.5, 1986, ANSI 13.30, "Draft Performance Criteria for Radiobioassay".
- AHIPHATF86 Ad Hoc Interagency Public Health Assessment Task Force, 1986, Assessment of the Public Health Impact from the Accidental Release of UF₆ at the Sequoyah Fuels Corporation Facility at Gore, Oklahoma, U.S. Nuclear Regulatory Commission Report, NUREG 1189, Washington, D.C.
- ICRP74 International Commission on Radiological Protection, 1974, Reference Man, ICRP Publication 23, (New York: Pergamon Press).
- Li85 A paper on this accident was published in Anais do Primeiro Congresso Brasileiro de Energia Nuclear, Rio de Janeiro, 1986 and in summary in the Brazilian journal Ciencia e Cultura, Vol. 37, No. 7, 1985. Measurements were performed by Joyce L. Lipsztein, Janete C. Gaburo, and Carlos H. Mesquita from Comissao Nacional de Energia Nuclear Brazil.
- Li86 Patient results for this example were obtained by Joyce L. Lipsztein, Janete C. Gaburo, C. H. Mesquita and M. O. Encol from Comissao Nacional de Energia Nuclear Brasil. They were presented in the First Meeting of the Brazilian Atomic Energy Association in Rio de Janeiro, 1986, and were accepted for publication in summary form at the journal Ciencia e Cultura.

APPENDIX B

TABULATED DATA

1. INTRODUCTION

In order to use the following pages, information regarding their structure is necessary. Therefore, we note the following details. The intake retention fractions, IRFs, for a particular in vivo or in vitro bioassay compartment of interest are tabulated for various times. They are applicable for single inhalation intakes, see tables in Sections 2 through 4, and single ingestion intakes, see tables in Section 5. The IRFs include the decay factor radio-nuclides. The element name, the mass number, the half-life, lung-clearance classification, and particle size are printed at the beginning of each table. If the excretion pathway has been defined, the IRFs for urine and feces are given, otherwise the IRFs for systemic excreta and non-systemic excreta are given. All values of IRFs have three significant figures and are expressed in exponential notation; for example, 3.78E-02 is 0.0378. The time post intake is given in units of days and IRFs are listed if they are greater than 1.00E-08, otherwise 0.00E+00 is inserted into the table. In order to facilitate locating the table of interest, a page listing by atomic number is given in Section 1.1 for Class D inhalation, Section 1.2 for Class W inhalation, Section 1.3 for Class Y inhalation and Section 1.4 for ingestion. The page listing for biological and radiological parameters is given in Section 1.5. In the case of I-131, I-132 and I-133, additional tables of IRFs for the thyroid are given for inhalation and ingestion intakes. In the case of C-14 monoxide, C-14 dioxide and tritiated water, tables of IRFs are listed separately in Section 6. The biological and radiological parameters which were used as input for development of IRF tables are presented in Section 7. In certain circumstances, one may need to transform the IRF for use with a different particle size, and guidance is given in Section 8. In some instances, one may need to interpret measurements following protracted intakes, and guidance is given in Section 9. A bibliography is included in Section 10. Finally, an alphabetical index, which is based on element name, is given in Section 11 in order to facilitate access to the in vivo or in vitro intake retention fraction of interest.

1.1 Class D Tables Listed by Atomic Number

<u>ATOMIC NUMBER</u>	<u>ELEMENT</u>	<u>PAGE</u>
9	Fluorine.....	B-13
11	Sodium.....	B-14
12	Magnesium.....	B-16
13	Aluminum.....	B-18
14	Silicon.....	B-20
15	Phosphorus.....	B-22
16	Sulphur.....	B-26
17	Chlorine.....	B-30
19	Potassium.....	B-34
22	Titanium.....	B-38
23	Vanadium.....	B-40
24	Chromium.....	B-42
25	Manganese.....	B-46
26	Iron.....	B-50
28	Nickel.....	B-56
29	Copper.....	B-58
31	Gallium.....	B-60
32	Germanium.....	B-62
34	Selenium.....	B-64
35	Bromine.....	B-66
37	Rubidium.....	B-70
38	Strontium.....	B-72
40	Zirconium.....	B-78
42	Molybdenum.....	B-80
43	Technetium.....	B-82
44	Ruthenium.....	B-84
46	Palladium.....	B-86
47	Silver.....	B-88
48	Cadmium.....	B-90
49	Indium.....	B-92
50	Tin.....	B-93

<u>ATOMIC NUMBER</u>	<u>ELEMENT</u>	<u>PAGE</u>
52	Tellurium.....	B-95
53	Iodine.....	B-97
55	Cesium.....	B-109
56	Barium.....	B-113
57	Lanthanum.....	B-117
64	Gadolinium.....	B-121
72	Hafnium.....	B-123
74	Tungsten.....	B-127
75	Rhenium.....	B-129
76	Osmium.....	B-131
77	Iridium.....	B-133
78	Platinum.....	B-137
79	Gold.....	B-139
80	Mercury.....	B-141
81	Thallium.....	B-143
82	Lead.....	B-147
83	Bismuth.....	B-149
84	Polonium.....	B-151
85	Astatine.....	B-153
87	Francium.....	B-155
89	Actinium.....	B-156
92	Uranium.....	B-158

1.2 Class W Tables Listed by Atomic Number

<u>ATOMIC NUMBER</u>	<u>ELEMENT</u>	<u>PAGE</u>
4	Beryllium.....	B-165
9	Fluorine.....	B-167
12	Magnesium.....	B-168
13	Aluminum.....	B-170
14	Silicon.....	B-172
15	Phosphorus.....	B-174
16	Sulphur.....	B-178
17	Chlorine.....	B-182
20	Calcium.....	B-186
22	Titanium.....	B-192
23	Vanadium.....	B-194
24	Chromium.....	B-196
25	Manganese.....	B-200
26	Iron.....	B-204
27	Cobalt.....	B-208
28	Nickel.....	B-214
29	Copper.....	B-216
31	Gallium.....	B-218
33	Arsenic.....	B-220
34	Selenium.....	B-222
35	Bromine.....	B-224
39	Yttrium.....	B-228
40	Zirconium.....	B-232
41	Niobium.....	B-234
43	Technetium.....	B-238
44	Ruthenium.....	B-240
45	Rhodium.....	B-242
46	Palladium.....	B-244
47	Silver.....	B-246
48	Cadmium.....	B-248
49	Indium.....	B-250

<u>ATOMIC NUMBER</u>	<u>ELEMENT</u>	<u>PAGE</u>
50	Tin.....	B-251
52	Tellurium.....	B-253
57	Lanthanum.....	B-255
58	Cerium.....	B-259
59	Praseodymium.....	B-265
60	Neodymium.....	B-267
61	Promethium.....	B-269
62	Samarium.....	B-271
63	Europium.....	B-275
64	Gadolinium.....	B-281
65	Terbium.....	B-283
66	Dysprosium.....	B-285
67	Holmium.....	B-287
68	Erbium.....	B-289
69	Thulium.....	B-291
70	Ytterbium.....	B-293
71	Lutetium.....	B-295
72	Hafnium.....	B-297
73	Tantalum.....	B-301
75	Rhenium.....	B-305
77	Iridium.....	B-309
79	Gold.....	B-313
83	Bismuth.....	B-315
84	Polonium.....	B-317
85	Astatine.....	B-319
88	Radium.....	B-321
89	Actinium.....	B-325
90	Thorium.....	B-327
91	Protactinium.....	B-335
92	Uranium.....	B-337
93	Neptunium.....	B-343
94	Plutonium.....	B-345
95	Americium.....	B-353
96	Curium.....	B-357

1.3 Class Y Tables Listed by Atomic Number

<u>ATOMIC NUMBER</u>	<u>ELEMENT</u>	<u>PAGE</u>
4	Beryllium.....	B-360
9	Fluorine.....	B-362
14	Silicon.....	B-363
21	Scandium.....	B-365
22	Titanium.....	B-367
24	Chromium.....	B-369
27	Cobalt.....	B-373
29	Copper.....	B-379
30	Zinc.....	B-381
38	Strontium.....	B-385
39	Yttrium.....	B-391
40	Zirconium.....	B-393
41	Niobium.....	B-395
42	Molybdenum.....	B-399
44	Ruthenium.....	B-401
45	Rhodium.....	B-403
46	Palladium.....	B-405
47	Silver.....	B-407
48	Cadmium.....	B-409
58	Cerium.....	B-411
59	Praseodymium.....	B-417
60	Neodymium.....	B-419
61	Promethium.....	B-421
70	Ytterbium.....	B-423
71	Lutetium.....	B-425
73	Tantalum.....	B-427
76	Osmium.....	B-431
77	Iridium.....	B-433
79	Gold.....	B-437
89	Actinium.....	B-439
90	Thorium.....	B-441
91	Protactinium.....	B-449
92	Uranium.....	B-451
94	Plutonium.....	B-455
95	Americium.....	B-463

1.4 Ingestion Tables Listed by Atomic Number

<u>ATOMIC NUMBER</u>	<u>ELEMENT</u>	<u>PAGE</u>
4	Beryllium.....	B-468
9	Fluorine.....	B-472
11	Sodium.....	B-473
12	Magnesium.....	B-475
13	Aluminum.....	B-477
14	Silicon.....	B-479
15	Phosphorus.....	B-481
16	Sulphur.....	B-485
17	Chlorine.....	B-489
19	Potassium.....	B-493
20	Calcium.....	B-497
22	Titanium.....	B-503
23	Vanadium.....	B-505
24	Chromium.....	B-507
25	Manganese.....	B-511
26	Iron.....	B-515
27	Cobalt.....	B-521
28	Nickel.....	B-527
29	Copper.....	B-529
30	Zinc.....	B-531
31	Gallium.....	B-535
32	Germanium.....	B-537
33	Arsenic.....	B-539
34	Selenium.....	B-541
35	Bromine.....	B-543
37	Rubidium.....	B-547
38	Strontium.....	B-549
39	Yttrium.....	B-555
40	Zirconium.....	B-557
41	Niobium.....	B-559
42	Molybdenum.....	B-563
43	Technetium.....	B-565
44	Ruthenium.....	B-567
45	Rhodium.....	B-569
46	Palladium.....	B-571

<u>ATOMIC NUMBER</u>	<u>ELEMENT</u>	<u>PAGE</u>
47	Silver.....	B-573
48	Cadmium.....	B-575
50	Tin.....	B-577
52	Tellurium.....	B-579
53	Iodine.....	B-581
55	Cesium.....	B-590
56	Barium.....	B-594
57	Lanthanum.....	B-598
58	Cerium.....	B-602
59	Praseodymium.....	B-608
60	Neodymium.....	B-610
61	Promethium.....	B-612
62	Samarium.....	B-614
63	Europium.....	B-618
64	Gadolinium.....	B-624
65	Terbium.....	B-626
66	Dysprosium.....	B-628
67	Holmium.....	B-630
68	Erbium.....	B-632
70	Ytterbium.....	B-634
71	Lutetium.....	B-636
72	Hafnium.....	B-638
73	Tantalum.....	B-642
74	Tungsten.....	B-646
75	Rhenium.....	B-648
77	Iridium.....	B-652
78	Platinum.....	B-656
79	Gold.....	B-658
80	Mercury.....	B-660
81	Thallium.....	B-662
82	Lead.....	B-666
84	Polonium.....	B-668
88	Radium.....	B-670
89	Actinium.....	B-674
90	Thorium.....	B-676
91	Protactinium.....	B-684
92	Uranium.....	B-686
93	Neptunium.....	B-692
94	Plutonium.....	B-694
95	Americium.....	B-702
96	Curium.....	B-704

1.5 Biological and Radiological Parameters Listed by Atomic Number

<u>ATOMIC NUMBER</u>	<u>ELEMENT</u>	<u>PAGE</u>
1	Hydrogen.....	B-713
4	Beryllium.....	B-714
6	Carbon.....	B-715
9	Fluorine.....	B-717
11	Sodium.....	B-718
12	Magnesium.....	B-719
13	Aluminum.....	B-720
14	Silicon.....	B-721
15	Phosphorus.....	B-722
16	Sulphur.....	B-723
17	Chlorine.....	B-724
19	Potassium.....	B-725
20	Calcium.....	B-726
21	Scandium.....	B-727
22	Titanium.....	B-728
23	Vanadium.....	B-729
24	Chromium.....	B-730
25	Manganese.....	B-731
26	Iron.....	B-732
27	Cobalt.....	B-733
28	Nickel.....	B-734
29	Copper.....	B-735
30	Zinc.....	B-736
31	Gallium.....	B-737
32	Germanium.....	B-738
33	Arsenic.....	B-739
34	Selenium.....	B-740
35	Bromine.....	B-741
37	Rubidium.....	B-742
38	Strontium.....	B-743
39	Yttrium.....	B-744
40	Zirconium.....	B-745

<u>ATOMIC NUMBER</u>	<u>ELEMENT</u>	<u>PAGE</u>
41	Niobium.....	B-746
42	Molybdenum.....	B-747
43	Technetium.....	B-748
44	Ruthenium.....	B-749
45	Rhodium.....	B-750
46	Palladium.....	B-751
47	Silver.....	B-752
48	Cadmium.....	B-753
49	Indium.....	B-754
50	Tin.....	B-755
51	Antimony.....	B-756
52	Tellurium.....	B-757
53	Iodine.....	B-758
55	Cesium.....	B-759
56	Barium.....	B-760
57	Lanthanum.....	B-761
58	Cerium.....	B-762
59	Praseodymium.....	B-763
60	Neodymium.....	B-764
61	Promethium.....	B-765
62	Samarium.....	B-766
63	Europium.....	B-767
64	Gadolinium.....	B-768
65	Terbium.....	B-769
66	Dysprosium.....	B-770
67	Holmium.....	B-771
68	Erbium.....	B-772
69	Thulium.....	B-773
70	Ytterbium.....	B-774
71	Lutetium.....	B-775
72	Hafnium.....	B-776
73	Tantalum.....	B-777
74	Tungsten.....	B-778
75	Rhenium.....	B-779

ATOMIC NUMBERELEMENTPAGE

76	Osmium.....	B-780
77	Iridium.....	B-781
78	Platinum.....	B-782
79	Gold.....	B-783
80	Mercury.....	B-784
81	Thallium.....	B-785
82	Lead.....	B-786
83	Bismuth.....	B-787
84	Polonium.....	B-788
85	Astatine.....	B-789
87	Francium.....	B-790
88	Radium.....	B-791
89	Actinium.....	B-792
90	Thorium.....	B-793
91	Protactinium.....	B-794
92	Uranium.....	B-795
93	Neptunium.....	B-796
94	Plutonium.....	B-797
95	Americium.....	B-798
96	Curium.....	B-799

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2. TABLES OF RETENTION AND EXCRETION FRACTIONS FOR SINGLE INHALATION OF CLASS D AEROSOLS

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	3.91E-01	2.26E-01	3.03E-04	2.17E-02	6.39E-01
2.00E-01	4.36E-01	2.01E-01	2.96E-07	2.28E-03	6.39E-01
3.00E-01	4.59E-01	1.79E-01	0.00E+00	4.15E-04	6.39E-01
4.00E-01	4.79E-01	1.60E-01	0.00E+00	1.85E-04	6.39E-01
5.00E-01	4.96E-01	1.43E-01	0.00E+00	1.21E-04	6.39E-01
6.00E-01	5.12E-01	1.27E-01	0.00E+00	8.47E-05	6.39E-01
7.00E-01	5.26E-01	1.13E-01	0.00E+00	5.98E-05	6.39E-01
8.00E-01	5.38E-01	1.01E-01	0.00E+00	4.23E-05	6.39E-01
9.00E-01	5.50E-01	8.96E-02	0.00E+00	2.99E-05	6.39E-01
1.00E+00	5.59E-01	7.97E-02	0.00E+00	2.12E-05	6.39E-01
2.00E+00	6.15E-01	2.42E-02	0.00E+00	7.04E-07	6.39E-01
3.00E+00	6.32E-01	7.13E-03	0.00E+00	3.82E-08	6.39E-01
4.00E+00	6.37E-01	2.05E-03	0.00E+00	0.00E+00	6.39E-01
5.00E+00	6.39E-01	5.81E-04	0.00E+00	0.00E+00	6.39E-01
6.00E+00	6.39E-01	1.62E-04	0.00E+00	0.00E+00	6.39E-01
7.00E+00	6.39E-01	4.47E-05	0.00E+00	0.00E+00	6.39E-01
8.00E+00	6.39E-01	1.22E-05	0.00E+00	0.00E+00	6.39E-01
9.00E+00	6.39E-01	3.32E-06	0.00E+00	0.00E+00	6.39E-01
1.00E+01	6.39E-01	8.96E-07	0.00E+00	0.00E+00	6.39E-01
2.00E+01	6.39E-01	0.00E+00	0.00E+00	0.00E+00	6.39E-01
3.00E+01	6.39E-01	0.00E+00	0.00E+00	0.00E+00	6.39E-01
4.00E+01	6.39E-01	0.00E+00	0.00E+00	0.00E+00	6.39E-01
5.00E+01	6.39E-01	0.00E+00	0.00E+00	0.00E+00	6.39E-01
6.00E+01	6.39E-01	0.00E+00	0.00E+00	0.00E+00	6.39E-01
7.00E+01	6.39E-01	0.00E+00	0.00E+00	0.00E+00	6.39E-01
8.00E+01	6.39E-01	0.00E+00	0.00E+00	0.00E+00	6.39E-01
9.00E+01	6.39E-01	0.00E+00	0.00E+00	0.00E+00	6.39E-01
1.00E+02	6.39E-01	0.00E+00	0.00E+00	0.00E+00	6.39E-01
2.00E+02	6.39E-01	0.00E+00	0.00E+00	0.00E+00	6.39E-01
3.00E+02	6.39E-01	0.00E+00	0.00E+00	0.00E+00	6.39E-01
4.00E+02	6.39E-01	0.00E+00	0.00E+00	0.00E+00	6.39E-01
5.00E+02	6.39E-01	0.00E+00	0.00E+00	0.00E+00	6.39E-01
6.00E+02	6.39E-01	0.00E+00	0.00E+00	0.00E+00	6.39E-01
7.00E+02	6.39E-01	0.00E+00	0.00E+00	0.00E+00	6.39E-01
8.00E+02	6.39E-01	0.00E+00	0.00E+00	0.00E+00	6.39E-01
9.00E+02	6.39E-01	0.00E+00	0.00E+00	0.00E+00	6.39E-01
1.00E+03	6.39E-01	0.00E+00	0.00E+00	0.00E+00	6.39E-01
2.00E+03	6.39E-01	0.00E+00	0.00E+00	0.00E+00	6.39E-01
4.00E+03	6.39E-01	0.00E+00	0.00E+00	0.00E+00	6.39E-01
8.00E+03	6.39E-01	0.00E+00	0.00E+00	0.00E+00	6.39E-01
1.00E+04	6.39E-01	0.00E+00	0.00E+00	0.00E+00	6.39E-01
2.00E+04	6.39E-01	0.00E+00	0.00E+00	0.00E+00	6.39E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	3.89E-01	2.26E-01	3.03E-04	2.17E-02	6.37E-01
2.00E-01	4.31E-01	2.01E-01	2.96E-07	2.28E-03	6.34E-01
3.00E-01	4.51E-01	1.79E-01	0.00E+00	4.15E-04	6.31E-01
4.00E-01	4.68E-01	1.60E-01	0.00E+00	1.85E-04	6.28E-01
5.00E-01	4.82E-01	1.43E-01	0.00E+00	1.21E-04	6.25E-01
6.00E-01	4.94E-01	1.27E-01	0.00E+00	8.47E-05	6.21E-01
7.00E-01	5.05E-01	1.13E-01	0.00E+00	5.98E-05	6.18E-01
8.00E-01	5.14E-01	1.01E-01	0.00E+00	4.23E-05	6.14E-01
9.00E-01	5.21E-01	8.96E-02	0.00E+00	2.99E-05	6.11E-01
1.00E+00	5.28E-01	7.97E-02	0.00E+00	2.12E-05	6.07E-01
2.00E+00	5.46E-01	2.42E-02	0.00E+00	7.04E-07	5.70E-01
3.00E+00	5.26E-01	7.13E-03	0.00E+00	3.82E-08	5.33E-01
4.00E+00	4.95E-01	2.05E-03	0.00E+00	0.00E+00	4.97E-01
5.00E+00	4.64E-01	5.81E-04	0.00E+00	0.00E+00	4.64E-01
6.00E+00	4.33E-01	1.62E-04	0.00E+00	0.00E+00	4.33E-01
7.00E+00	4.04E-01	4.47E-05	0.00E+00	0.00E+00	4.04E-01
8.00E+00	3.78E-01	1.22E-05	0.00E+00	0.00E+00	3.78E-01
9.00E+00	3.52E-01	3.32E-06	0.00E+00	0.00E+00	3.52E-01
1.00E+01	3.29E-01	8.96E-07	0.00E+00	0.00E+00	3.29E-01
2.00E+01	1.65E-01	0.00E+00	0.00E+00	0.00E+00	1.65E-01
3.00E+01	8.36E-02	0.00E+00	0.00E+00	0.00E+00	8.36E-02
4.00E+01	4.27E-02	0.00E+00	0.00E+00	0.00E+00	4.27E-02
5.00E+01	2.22E-02	0.00E+00	0.00E+00	0.00E+00	2.22E-02
6.00E+01	1.20E-02	0.00E+00	0.00E+00	0.00E+00	1.20E-02
7.00E+01	6.86E-03	0.00E+00	0.00E+00	0.00E+00	6.86E-03
8.00E+01	4.27E-03	0.00E+00	0.00E+00	0.00E+00	4.27E-03
9.00E+01	2.97E-03	0.00E+00	0.00E+00	0.00E+00	2.97E-03
1.00E+02	2.31E-03	0.00E+00	0.00E+00	0.00E+00	2.31E-03
2.00E+02	1.45E-03	0.00E+00	0.00E+00	0.00E+00	1.45E-03
3.00E+02	1.27E-03	0.00E+00	0.00E+00	0.00E+00	1.27E-03
4.00E+02	1.10E-03	0.00E+00	0.00E+00	0.00E+00	1.10E-03
5.00E+02	9.59E-04	0.00E+00	0.00E+00	0.00E+00	9.59E-04
6.00E+02	8.35E-04	0.00E+00	0.00E+00	0.00E+00	8.35E-04
7.00E+02	7.27E-04	0.00E+00	0.00E+00	0.00E+00	7.27E-04
8.00E+02	6.33E-04	0.00E+00	0.00E+00	0.00E+00	6.33E-04
9.00E+02	5.51E-04	0.00E+00	0.00E+00	0.00E+00	5.51E-04
1.00E+03	4.80E-04	0.00E+00	0.00E+00	0.00E+00	4.80E-04
2.00E+03	1.20E-04	0.00E+00	0.00E+00	0.00E+00	1.20E-04
3.00E+03	3.00E-05	0.00E+00	0.00E+00	0.00E+00	3.00E-05
4.00E+03	7.50E-06	0.00E+00	0.00E+00	0.00E+00	7.50E-06
5.00E+03	1.87E-06	0.00E+00	0.00E+00	0.00E+00	1.87E-06
6.00E+03	4.63E-07	0.00E+00	0.00E+00	0.00E+00	4.63E-07
7.00E+03	1.10E-07	0.00E+00	0.00E+00	0.00E+00	1.10E-07
8.00E+03	2.13E-08	0.00E+00	0.00E+00	0.00E+00	2.13E-08

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	24-HOUR URINE	ACCUMULATED URINE	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		1.99E-03		1.99E-05
2.00E-01		4.85E-03		4.85E-05
3.00E-01		7.90E-03		7.90E-05
4.00E-01		1.11E-02		1.11E-04
5.00E-01		1.44E-02		1.44E-04
6.00E-01		1.77E-02		1.77E-04
7.00E-01		2.12E-02		2.12E-04
8.00E-01		2.47E-02		2.47E-04
9.00E-01		2.83E-02		2.83E-04
1.00E+00	3.19E-02	3.19E-02	3.19E-04	3.19E-04
2.00E+00	3.74E-02	6.93E-02	3.74E-04	6.93E-04
3.00E+00	3.71E-02	1.06E-01	3.71E-04	1.06E-03
4.00E+00	3.53E-02	1.42E-01	3.53E-04	1.42E-03
5.00E+00	3.31E-02	1.75E-01	3.31E-04	1.75E-03
6.00E+00	3.09E-02	2.06E-01	3.09E-04	2.06E-03
7.00E+00	2.89E-02	2.35E-01	2.89E-04	2.35E-03
8.00E+00	2.70E-02	2.62E-01	2.70E-04	2.62E-03
9.00E+00	2.52E-02	2.87E-01	2.52E-04	2.87E-03
1.00E+01	2.35E-02	3.10E-01	2.35E-04	3.10E-03
2.00E+01	1.17E-02	4.74E-01	1.17E-04	4.74E-03
3.00E+01	5.87E-03	5.56E-01	5.87E-05	5.56E-03
4.00E+01	2.94E-03	5.96E-01	2.94E-05	5.96E-03
5.00E+01	1.47E-03	6.17E-01	1.47E-05	6.17E-03
6.00E+01	7.36E-04	6.27E-01	7.36E-06	6.27E-03
7.00E+01	3.69E-04	6.32E-01	3.69E-06	6.32E-03
8.00E+01	1.86E-04	6.35E-01	1.86E-06	6.35E-03
9.00E+01	9.41E-05	6.36E-01	9.41E-07	6.36E-03
1.00E+02	4.82E-05	6.37E-01	4.82E-07	6.37E-03
2.00E+02	2.06E-06	6.38E-01	2.06E-08	6.38E-03
3.00E+02	1.76E-06	6.38E-01	1.76E-08	6.38E-03
4.00E+02	1.53E-06	6.38E-01	1.53E-08	6.38E-03
5.00E+02	1.33E-06	6.38E-01	1.33E-08	6.38E-03
6.00E+02	1.16E-06	6.38E-01	1.16E-08	6.38E-03
7.00E+02	1.01E-06	6.38E-01	1.01E-08	6.38E-03
8.00E+02	8.78E-07	6.38E-01	0.00E+00	6.39E-03
9.00E+02	7.64E-07	6.39E-01	0.00E+00	6.39E-03
1.00E+03	6.65E-07	6.39E-01	0.00E+00	6.39E-03
2.00E+03	1.66E-07	6.39E-01	0.00E+00	6.39E-03
3.00E+03	4.15E-08	6.39E-01	0.00E+00	6.39E-03
4.00E+03	1.03E-08	6.39E-01	0.00E+00	6.39E-03

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	2.78E-01	2.26E-01	3.03E-04	1.24E-01	6.28E-01
2.00E-01	3.19E-01	2.01E-01	2.96E-07	9.44E-02	6.14E-01
3.00E-01	3.39E-01	1.79E-01	0.00E+00	8.22E-02	6.01E-01
4.00E-01	3.52E-01	1.60E-01	0.00E+00	7.67E-02	5.89E-01
5.00E-01	3.61E-01	1.43E-01	0.00E+00	7.29E-02	5.77E-01
6.00E-01	3.70E-01	1.27E-01	0.00E+00	6.93E-02	5.66E-01
7.00E-01	3.77E-01	1.13E-01	0.00E+00	6.57E-02	5.56E-01
8.00E-01	3.84E-01	1.01E-01	0.00E+00	6.20E-02	5.46E-01
9.00E-01	3.90E-01	8.96E-02	0.00E+00	5.82E-02	5.38E-01
1.00E+00	3.95E-01	7.97E-02	0.00E+00	5.44E-02	5.30E-01
2.00E+00	4.27E-01	2.42E-02	0.00E+00	2.42E-02	4.76E-01
3.00E+00	4.35E-01	7.13E-03	0.00E+00	9.57E-03	4.52E-01
4.00E+00	4.35E-01	2.05E-03	0.00E+00	3.63E-03	4.41E-01
5.00E+00	4.33E-01	5.81E-04	0.00E+00	1.35E-03	4.35E-01
6.00E+00	4.31E-01	1.62E-04	0.00E+00	4.99E-04	4.31E-01
7.00E+00	4.28E-01	4.47E-05	0.00E+00	1.84E-04	4.28E-01
8.00E+00	4.25E-01	1.22E-05	0.00E+00	6.78E-05	4.25E-01
9.00E+00	4.22E-01	3.32E-06	0.00E+00	2.50E-05	4.22E-01
1.00E+01	4.19E-01	8.96E-07	0.00E+00	9.18E-06	4.19E-01
2.00E+01	3.91E-01	0.00E+00	0.00E+00	0.00E+00	3.91E-01
3.00E+01	3.65E-01	0.00E+00	0.00E+00	0.00E+00	3.65E-01
4.00E+01	3.40E-01	0.00E+00	0.00E+00	0.00E+00	3.40E-01
5.00E+01	3.18E-01	0.00E+00	0.00E+00	0.00E+00	3.18E-01
6.00E+01	2.96E-01	0.00E+00	0.00E+00	0.00E+00	2.96E-01
7.00E+01	2.76E-01	0.00E+00	0.00E+00	0.00E+00	2.76E-01
8.00E+01	2.58E-01	0.00E+00	0.00E+00	0.00E+00	2.58E-01
9.00E+01	2.41E-01	0.00E+00	0.00E+00	0.00E+00	2.41E-01
1.00E+02	2.25E-01	0.00E+00	0.00E+00	0.00E+00	2.25E-01
2.00E+02	1.12E-01	0.00E+00	0.00E+00	0.00E+00	1.12E-01
3.00E+02	5.61E-02	0.00E+00	0.00E+00	0.00E+00	5.61E-02
4.00E+02	2.81E-02	0.00E+00	0.00E+00	0.00E+00	2.81E-02
5.00E+02	1.40E-02	0.00E+00	0.00E+00	0.00E+00	1.40E-02
6.00E+02	7.02E-03	0.00E+00	0.00E+00	0.00E+00	7.02E-03
7.00E+02	3.51E-03	0.00E+00	0.00E+00	0.00E+00	3.51E-03
8.00E+02	1.76E-03	0.00E+00	0.00E+00	0.00E+00	1.76E-03
9.00E+02	8.78E-04	0.00E+00	0.00E+00	0.00E+00	8.78E-04
1.00E+03	4.39E-04	0.00E+00	0.00E+00	0.00E+00	4.39E-04
2.00E+03	4.28E-07	0.00E+00	0.00E+00	0.00E+00	4.28E-07

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		1.11E-02		5.47E-05
2.00E-01		2.41E-02		6.05E-04
3.00E-01		3.60E-02		1.99E-03
4.00E-01		4.64E-02		4.16E-03
5.00E-01		5.53E-02		6.97E-03
6.00E-01		6.30E-02		1.02E-02
7.00E-01		6.96E-02		1.38E-02
8.00E-01		7.53E-02		1.75E-02
9.00E-01		8.02E-02		2.13E-02
1.00E+00	8.45E-02	8.45E-02	2.51E-02	2.51E-02
2.00E+00	2.38E-02	1.08E-01	3.02E-02	5.53E-02
3.00E+00	9.04E-03	1.17E-01	1.46E-02	6.99E-02
4.00E+00	4.82E-03	1.22E-01	5.95E-03	7.59E-02
5.00E+00	3.54E-03	1.26E-01	2.28E-03	7.81E-02
6.00E+00	3.15E-03	1.29E-01	8.51E-04	7.90E-02
7.00E+00	3.02E-03	1.32E-01	3.15E-04	7.93E-02
8.00E+00	2.97E-03	1.35E-01	1.16E-04	7.94E-02
9.00E+00	2.94E-03	1.38E-01	4.29E-05	7.95E-02
1.00E+01	2.91E-03	1.41E-01	1.58E-05	7.95E-02
2.00E+01	2.72E-03	1.69E-01	0.00E+00	7.95E-02
3.00E+01	2.54E-03	1.95E-01	0.00E+00	7.95E-02
4.00E+01	2.37E-03	2.19E-01	0.00E+00	7.95E-02
5.00E+01	2.21E-03	2.42E-01	0.00E+00	7.95E-02
6.00E+01	2.06E-03	2.63E-01	0.00E+00	7.95E-02
7.00E+01	1.92E-03	2.83E-01	0.00E+00	7.95E-02
8.00E+01	1.79E-03	3.02E-01	0.00E+00	7.95E-02
9.00E+01	1.67E-03	3.19E-01	0.00E+00	7.95E-02
1.00E+02	1.56E-03	3.35E-01	0.00E+00	7.95E-02
2.00E+02	7.81E-04	4.47E-01	0.00E+00	7.95E-02
3.00E+02	3.90E-04	5.03E-01	0.00E+00	7.95E-02
4.00E+02	1.95E-04	5.32E-01	0.00E+00	7.95E-02
5.00E+02	9.76E-05	5.46E-01	0.00E+00	7.95E-02
6.00E+02	4.88E-05	5.53E-01	0.00E+00	7.95E-02
7.00E+02	2.44E-05	5.56E-01	0.00E+00	7.95E-02
8.00E+02	1.22E-05	5.58E-01	0.00E+00	7.95E-02
9.00E+02	6.11E-06	5.59E-01	0.00E+00	7.95E-02
1.00E+03	3.05E-06	5.59E-01	0.00E+00	7.95E-02

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	2.57E-01	2.26E-01	3.03E-04	1.56E-01	6.39E-01
2.00E-01	2.81E-01	2.01E-01	2.96E-07	1.55E-01	6.38E-01
3.00E-01	3.03E-01	1.79E-01	0.00E+00	1.54E-01	6.36E-01
4.00E-01	3.22E-01	1.60E-01	0.00E+00	1.51E-01	6.32E-01
5.00E-01	3.39E-01	1.43E-01	0.00E+00	1.46E-01	6.28E-01
6.00E-01	3.54E-01	1.27E-01	0.00E+00	1.41E-01	6.22E-01
7.00E-01	3.67E-01	1.13E-01	0.00E+00	1.35E-01	6.15E-01
8.00E-01	3.80E-01	1.01E-01	0.00E+00	1.28E-01	6.08E-01
9.00E-01	3.90E-01	8.96E-02	0.00E+00	1.21E-01	6.01E-01
1.00E+00	4.00E-01	7.97E-02	0.00E+00	1.14E-01	5.93E-01
2.00E+00	4.52E-01	2.42E-02	0.00E+00	5.19E-02	5.28E-01
3.00E+00	4.66E-01	7.13E-03	0.00E+00	2.07E-02	4.94E-01
4.00E+00	4.68E-01	2.05E-03	0.00E+00	7.86E-03	4.78E-01
5.00E+00	4.66E-01	5.81E-04	0.00E+00	2.93E-03	4.70E-01
6.00E+00	4.63E-01	1.62E-04	0.00E+00	1.09E-03	4.65E-01
7.00E+00	4.60E-01	4.47E-05	0.00E+00	4.00E-04	4.61E-01
8.00E+00	4.57E-01	1.22E-05	0.00E+00	1.47E-04	4.57E-01
9.00E+00	4.54E-01	3.32E-06	0.00E+00	5.42E-05	4.54E-01
1.00E+01	4.51E-01	8.96E-07	0.00E+00	2.00E-05	4.51E-01
2.00E+01	4.21E-01	0.00E+00	0.00E+00	0.00E+00	4.21E-01
3.00E+01	3.93E-01	0.00E+00	0.00E+00	0.00E+00	3.93E-01
4.00E+01	3.66E-01	0.00E+00	0.00E+00	0.00E+00	3.66E-01
5.00E+01	3.42E-01	0.00E+00	0.00E+00	0.00E+00	3.42E-01
6.00E+01	3.19E-01	0.00E+00	0.00E+00	0.00E+00	3.19E-01
7.00E+01	2.98E-01	0.00E+00	0.00E+00	0.00E+00	2.98E-01
8.00E+01	2.78E-01	0.00E+00	0.00E+00	0.00E+00	2.78E-01
9.00E+01	2.59E-01	0.00E+00	0.00E+00	0.00E+00	2.59E-01
1.00E+02	2.42E-01	0.00E+00	0.00E+00	0.00E+00	2.42E-01
2.00E+02	1.21E-01	0.00E+00	0.00E+00	0.00E+00	1.21E-01
3.00E+02	6.04E-02	0.00E+00	0.00E+00	0.00E+00	6.04E-02
4.00E+02	3.02E-02	0.00E+00	0.00E+00	0.00E+00	3.02E-02
5.00E+02	1.51E-02	0.00E+00	0.00E+00	0.00E+00	1.51E-02
6.00E+02	7.56E-03	0.00E+00	0.00E+00	0.00E+00	7.56E-03
7.00E+02	3.78E-03	0.00E+00	0.00E+00	0.00E+00	3.78E-03
8.00E+02	1.89E-03	0.00E+00	0.00E+00	0.00E+00	1.89E-03
9.00E+02	9.45E-04	0.00E+00	0.00E+00	0.00E+00	9.45E-04
1.00E+03	4.73E-04	0.00E+00	0.00E+00	0.00E+00	4.73E-04
2.00E+03	4.60E-07	0.00E+00	0.00E+00	0.00E+00	4.60E-07

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		1.46E-04		6.07E-05
2.00E-01		3.33E-04		7.40E-04
3.00E-01		5.36E-04		2.64E-03
4.00E-01		7.52E-04		5.91E-03
5.00E-01		9.81E-04		1.04E-02
6.00E-01		1.22E-03		1.60E-02
7.00E-01		1.47E-03		2.24E-02
8.00E-01		1.73E-03		2.92E-02
9.00E-01		2.00E-03		3.64E-02
1.00E+00	2.27E-03	2.27E-03	4.37E-02	4.37E-02
2.00E+00	2.99E-03	5.26E-03	6.18E-02	1.06E-01
3.00E+00	3.19E-03	8.45E-03	3.12E-02	1.37E-01
4.00E+00	3.24E-03	1.17E-02	1.28E-02	1.50E-01
5.00E+00	3.24E-03	1.49E-02	4.93E-03	1.54E-01
6.00E+00	3.22E-03	1.82E-02	1.85E-03	1.56E-01
7.00E+00	3.20E-03	2.14E-02	6.85E-04	1.57E-01
8.00E+00	3.18E-03	2.45E-02	2.53E-04	1.57E-01
9.00E+00	3.16E-03	2.77E-02	9.31E-05	1.57E-01
1.00E+01	3.14E-03	3.08E-02	3.43E-05	1.57E-01
2.00E+01	2.93E-03	6.10E-02	0.00E+00	1.57E-01
3.00E+01	2.73E-03	8.92E-02	0.00E+00	1.57E-01
4.00E+01	2.55E-03	1.15E-01	0.00E+00	1.57E-01
5.00E+01	2.38E-03	1.40E-01	0.00E+00	1.57E-01
6.00E+01	2.22E-03	1.63E-01	0.00E+00	1.57E-01
7.00E+01	2.07E-03	1.84E-01	0.00E+00	1.57E-01
8.00E+01	1.93E-03	2.04E-01	0.00E+00	1.57E-01
9.00E+01	1.80E-03	2.23E-01	0.00E+00	1.57E-01
1.00E+02	1.68E-03	2.40E-01	0.00E+00	1.57E-01
2.00E+02	8.40E-04	3.61E-01	0.00E+00	1.57E-01
3.00E+02	4.20E-04	4.21E-01	0.00E+00	1.57E-01
4.00E+02	2.10E-04	4.52E-01	0.00E+00	1.57E-01
5.00E+02	1.05E-04	4.67E-01	0.00E+00	1.57E-01
6.00E+02	5.26E-05	4.74E-01	0.00E+00	1.57E-01
7.00E+02	2.63E-05	4.78E-01	0.00E+00	1.57E-01
8.00E+02	1.31E-05	4.80E-01	0.00E+00	1.57E-01
9.00E+02	6.57E-06	4.81E-01	0.00E+00	1.57E-01
1.00E+03	3.29E-06	4.81E-01	0.00E+00	1.57E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	2.56E-01	2.26E-01	3.03E-04	1.56E-01	6.38E-01
2.00E-01	2.79E-01	2.01E-01	2.96E-07	1.55E-01	6.36E-01
3.00E-01	2.99E-01	1.79E-01	0.00E+00	1.54E-01	6.32E-01
4.00E-01	3.16E-01	1.60E-01	0.00E+00	1.51E-01	6.27E-01
5.00E-01	3.32E-01	1.43E-01	0.00E+00	1.46E-01	6.20E-01
6.00E-01	3.45E-01	1.27E-01	0.00E+00	1.41E-01	6.13E-01
7.00E-01	3.57E-01	1.13E-01	0.00E+00	1.35E-01	6.05E-01
8.00E-01	3.67E-01	1.01E-01	0.00E+00	1.28E-01	5.96E-01
9.00E-01	3.76E-01	8.96E-02	0.00E+00	1.21E-01	5.86E-01
1.00E+00	3.84E-01	7.97E-02	0.00E+00	1.14E-01	5.77E-01
2.00E+00	4.17E-01	2.42E-02	0.00E+00	5.19E-02	4.93E-01
3.00E+00	4.13E-01	7.13E-03	0.00E+00	2.07E-02	4.40E-01
4.00E+00	3.98E-01	2.05E-03	0.00E+00	7.86E-03	4.08E-01
5.00E+00	3.83E-01	5.81E-04	0.00E+00	2.93E-03	3.86E-01
6.00E+00	3.68E-01	1.62E-04	0.00E+00	1.09E-03	3.69E-01
7.00E+00	3.54E-01	4.47E-05	0.00E+00	4.00E-04	3.55E-01
8.00E+00	3.42E-01	1.22E-05	0.00E+00	1.47E-04	3.42E-01
9.00E+00	3.32E-01	3.32E-06	0.00E+00	5.42E-05	3.32E-01
1.00E+01	3.22E-01	8.96E-07	0.00E+00	2.00E-05	3.22E-01
2.00E+01	2.65E-01	0.00E+00	0.00E+00	0.00E+00	2.65E-01
3.00E+01	2.39E-01	0.00E+00	0.00E+00	0.00E+00	2.39E-01
4.00E+01	2.21E-01	0.00E+00	0.00E+00	0.00E+00	2.21E-01
5.00E+01	2.05E-01	0.00E+00	0.00E+00	0.00E+00	2.05E-01
6.00E+01	1.91E-01	0.00E+00	0.00E+00	0.00E+00	1.91E-01
7.00E+01	1.79E-01	0.00E+00	0.00E+00	0.00E+00	1.79E-01
8.00E+01	1.67E-01	0.00E+00	0.00E+00	0.00E+00	1.67E-01
9.00E+01	1.55E-01	0.00E+00	0.00E+00	0.00E+00	1.55E-01
1.00E+02	1.45E-01	0.00E+00	0.00E+00	0.00E+00	1.45E-01
2.00E+02	7.25E-02	0.00E+00	0.00E+00	0.00E+00	7.25E-02
3.00E+02	3.63E-02	0.00E+00	0.00E+00	0.00E+00	3.63E-02
4.00E+02	1.81E-02	0.00E+00	0.00E+00	0.00E+00	1.81E-02
5.00E+02	9.07E-03	0.00E+00	0.00E+00	0.00E+00	9.07E-03
6.00E+02	4.53E-03	0.00E+00	0.00E+00	0.00E+00	4.53E-03
7.00E+02	2.27E-03	0.00E+00	0.00E+00	0.00E+00	2.27E-03
8.00E+02	1.13E-03	0.00E+00	0.00E+00	0.00E+00	1.13E-03
9.00E+02	5.67E-04	0.00E+00	0.00E+00	0.00E+00	5.67E-04
1.00E+03	2.84E-04	0.00E+00	0.00E+00	0.00E+00	2.84E-04
2.00E+03	2.75E-07	0.00E+00	0.00E+00	0.00E+00	2.75E-07

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		1.25E-03		6.07E-05
2.00E-01		2.84E-03		7.40E-04
3.00E-01		4.54E-03		2.64E-03
4.00E-01		6.34E-03		5.91E-03
5.00E-01		8.23E-03		1.04E-02
6.00E-01		1.02E-02		1.60E-02
7.00E-01		1.22E-02		2.24E-02
8.00E-01		1.43E-02		2.92E-02
9.00E-01		1.64E-02		3.64E-02
1.00E+00	1.85E-02	1.85E-02	4.37E-02	4.37E-02
2.00E+00	2.22E-02	4.07E-02	6.18E-02	1.06E-01
3.00E+00	2.13E-02	6.21E-02	3.12E-02	1.37E-01
4.00E+00	1.93E-02	8.14E-02	1.28E-02	1.50E-01
5.00E+00	1.72E-02	9.86E-02	4.93E-03	1.54E-01
6.00E+00	1.53E-02	1.14E-01	1.85E-03	1.56E-01
7.00E+00	1.36E-02	1.27E-01	6.85E-04	1.57E-01
8.00E+00	1.20E-02	1.40E-01	2.53E-04	1.57E-01
9.00E+00	1.07E-02	1.50E-01	9.31E-05	1.57E-01
1.00E+01	9.55E-03	1.60E-01	3.43E-05	1.57E-01
2.00E+01	3.67E-03	2.16E-01	0.00E+00	1.57E-01
3.00E+01	2.11E-03	2.43E-01	0.00E+00	1.57E-01
4.00E+01	1.65E-03	2.61E-01	0.00E+00	1.57E-01
5.00E+01	1.46E-03	2.76E-01	0.00E+00	1.57E-01
6.00E+01	1.34E-03	2.90E-01	0.00E+00	1.57E-01
7.00E+01	1.24E-03	3.03E-01	0.00E+00	1.57E-01
8.00E+01	1.16E-03	3.15E-01	0.00E+00	1.57E-01
9.00E+01	1.08E-03	3.26E-01	0.00E+00	1.57E-01
1.00E+02	1.01E-03	3.37E-01	0.00E+00	1.57E-01
2.00E+02	5.04E-04	4.09E-01	0.00E+00	1.57E-01
3.00E+02	2.52E-04	4.45E-01	0.00E+00	1.57E-01
4.00E+02	1.26E-04	4.64E-01	0.00E+00	1.57E-01
5.00E+02	6.31E-05	4.73E-01	0.00E+00	1.57E-01
6.00E+02	3.15E-05	4.77E-01	0.00E+00	1.57E-01
7.00E+02	1.58E-05	4.79E-01	0.00E+00	1.57E-01
8.00E+02	7.89E-06	4.81E-01	0.00E+00	1.57E-01
9.00E+02	3.94E-06	4.81E-01	0.00E+00	1.57E-01
1.00E+03	1.97E-06	4.81E-01	0.00E+00	1.57E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	3.32E-01	2.26E-01	3.03E-04	7.41E-02	6.33E-01
2.00E-01	3.85E-01	2.01E-01	2.96E-07	3.72E-02	6.23E-01
3.00E-01	4.02E-01	1.79E-01	0.00E+00	3.14E-02	6.13E-01
4.00E-01	4.14E-01	1.60E-01	0.00E+00	2.98E-02	6.03E-01
5.00E-01	4.23E-01	1.43E-01	0.00E+00	2.85E-02	5.94E-01
6.00E-01	4.30E-01	1.27E-01	0.00E+00	2.71E-02	5.84E-01
7.00E-01	4.36E-01	1.13E-01	0.00E+00	2.56E-02	5.75E-01
8.00E-01	4.41E-01	1.01E-01	0.00E+00	2.41E-02	5.66E-01
9.00E-01	4.46E-01	8.96E-02	0.00E+00	2.25E-02	5.58E-01
1.00E+00	4.49E-01	7.97E-02	0.00E+00	2.10E-02	5.50E-01
2.00E+00	4.53E-01	2.42E-02	0.00E+00	9.24E-03	4.87E-01
3.00E+00	4.38E-01	7.13E-03	0.00E+00	3.64E-03	4.49E-01
4.00E+00	4.21E-01	2.05E-03	0.00E+00	1.38E-03	4.25E-01
5.00E+00	4.06E-01	5.81E-04	0.00E+00	5.12E-04	4.07E-01
6.00E+00	3.93E-01	1.62E-04	0.00E+00	1.89E-04	3.94E-01
7.00E+00	3.82E-01	4.47E-05	0.00E+00	6.98E-05	3.82E-01
8.00E+00	3.72E-01	1.22E-05	0.00E+00	2.57E-05	3.72E-01
9.00E+00	3.64E-01	3.32E-06	0.00E+00	9.47E-06	3.64E-01
1.00E+01	3.56E-01	8.96E-07	0.00E+00	3.48E-06	3.56E-01
2.00E+01	2.99E-01	0.00E+00	0.00E+00	0.00E+00	2.99E-01
3.00E+01	2.62E-01	0.00E+00	0.00E+00	0.00E+00	2.62E-01
4.00E+01	2.36E-01	0.00E+00	0.00E+00	0.00E+00	2.36E-01
5.00E+01	2.18E-01	0.00E+00	0.00E+00	0.00E+00	2.18E-01
6.00E+01	2.05E-01	0.00E+00	0.00E+00	0.00E+00	2.05E-01
7.00E+01	1.96E-01	0.00E+00	0.00E+00	0.00E+00	1.96E-01
8.00E+01	1.89E-01	0.00E+00	0.00E+00	0.00E+00	1.89E-01
9.00E+01	1.84E-01	0.00E+00	0.00E+00	0.00E+00	1.84E-01
1.00E+02	1.80E-01	0.00E+00	0.00E+00	0.00E+00	1.80E-01
2.00E+02	1.66E-01	0.00E+00	0.00E+00	0.00E+00	1.66E-01
3.00E+02	1.59E-01	0.00E+00	0.00E+00	0.00E+00	1.59E-01
4.00E+02	1.51E-01	0.00E+00	0.00E+00	0.00E+00	1.51E-01
5.00E+02	1.45E-01	0.00E+00	0.00E+00	0.00E+00	1.45E-01
6.00E+02	1.38E-01	0.00E+00	0.00E+00	0.00E+00	1.38E-01
7.00E+02	1.32E-01	0.00E+00	0.00E+00	0.00E+00	1.32E-01
8.00E+02	1.26E-01	0.00E+00	0.00E+00	0.00E+00	1.26E-01
9.00E+02	1.20E-01	0.00E+00	0.00E+00	0.00E+00	1.20E-01
1.00E+03	1.15E-01	0.00E+00	0.00E+00	0.00E+00	1.15E-01
2.00E+03	7.23E-02	0.00E+00	0.00E+00	0.00E+00	7.23E-02
4.00E+03	2.87E-02	0.00E+00	0.00E+00	0.00E+00	2.87E-02
8.00E+03	4.52E-03	0.00E+00	0.00E+00	0.00E+00	4.52E-03
1.00E+04	1.79E-03	0.00E+00	0.00E+00	0.00E+00	1.79E-03
2.00E+04	4.12E-06	0.00E+00	0.00E+00	0.00E+00	4.12E-06

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	24-HOUR URINE	ACCUMULATED URINE	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		5.80E-03		6.86E-04
2.00E-01		1.40E-02		1.93E-03
3.00E-01		2.23E-02		3.57E-03
4.00E-01		3.02E-02		5.48E-03
5.00E-01		3.79E-02		7.57E-03
6.00E-01		4.51E-02		9.77E-03
7.00E-01		5.21E-02		1.20E-02
8.00E-01		5.87E-02		1.43E-02
9.00E-01		6.50E-02		1.65E-02
1.00E+00	7.09E-02	7.09E-02	1.87E-02	1.87E-02
2.00E+00	4.59E-02	1.17E-01	1.69E-02	3.55E-02
3.00E+00	2.89E-02	1.46E-01	8.81E-03	4.44E-02
4.00E+00	1.99E-02	1.66E-01	4.47E-03	4.88E-02
5.00E+00	1.49E-02	1.81E-01	2.52E-03	5.14E-02
6.00E+00	1.20E-02	1.93E-01	1.66E-03	5.30E-02
7.00E+00	1.01E-02	2.03E-01	1.24E-03	5.43E-02
8.00E+00	8.77E-03	2.11E-01	1.02E-03	5.53E-02
9.00E+00	7.79E-03	2.19E-01	8.82E-04	5.62E-02
1.00E+01	7.05E-03	2.26E-01	7.90E-04	5.69E-02
2.00E+01	4.09E-03	2.77E-01	4.54E-04	6.26E-02
3.00E+01	2.83E-03	3.11E-01	3.15E-04	6.63E-02
4.00E+01	1.99E-03	3.34E-01	2.21E-04	6.89E-02
5.00E+01	1.40E-03	3.51E-01	1.56E-04	7.07E-02
6.00E+01	9.97E-04	3.62E-01	1.11E-04	7.20E-02
7.00E+01	7.15E-04	3.71E-01	7.94E-05	7.30E-02
8.00E+01	5.18E-04	3.77E-01	5.76E-05	7.36E-02
9.00E+01	3.82E-04	3.81E-01	4.24E-05	7.41E-02
1.00E+02	2.87E-04	3.84E-01	3.19E-05	7.45E-02
2.00E+02	7.46E-05	3.97E-01	8.30E-06	7.59E-02
3.00E+02	6.60E-05	4.04E-01	7.35E-06	7.67E-02
4.00E+02	6.28E-05	4.10E-01	7.00E-06	7.74E-02
5.00E+02	5.99E-05	4.16E-01	6.68E-06	7.81E-02
6.00E+02	5.72E-05	4.22E-01	6.38E-06	7.87E-02
7.00E+02	5.45E-05	4.28E-01	6.09E-06	7.93E-02
8.00E+02	5.20E-05	4.33E-01	5.82E-06	7.99E-02
9.00E+02	4.96E-05	4.38E-01	5.56E-06	8.05E-02
1.00E+03	4.73E-05	4.43E-01	5.31E-06	8.10E-02
2.00E+03	2.92E-05	4.81E-01	3.34E-06	8.53E-02
3.00E+03	1.76E-05	5.06E-01	2.11E-06	8.80E-02
4.00E+03	1.01E-05	5.21E-01	1.33E-06	8.97E-02
5.00E+03	5.24E-06	5.30E-01	8.36E-07	9.07E-02
6.00E+03	2.00E-06	5.36E-01	5.27E-07	9.14E-02

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	3.31E-01	2.25E-01	3.01E-04	7.38E-02	6.30E-01
2.00E-01	3.81E-01	1.99E-01	2.93E-07	3.68E-02	6.17E-01
3.00E-01	3.97E-01	1.77E-01	0.00E+00	3.09E-02	6.04E-01
4.00E-01	4.06E-01	1.57E-01	0.00E+00	2.92E-02	5.92E-01
5.00E-01	4.13E-01	1.39E-01	0.00E+00	2.78E-02	5.79E-01
6.00E-01	4.18E-01	1.23E-01	0.00E+00	2.63E-02	5.67E-01
7.00E-01	4.22E-01	1.09E-01	0.00E+00	2.47E-02	5.56E-01
8.00E-01	4.25E-01	9.68E-02	0.00E+00	2.31E-02	5.45E-01
9.00E-01	4.27E-01	8.58E-02	0.00E+00	2.16E-02	5.34E-01
1.00E+00	4.28E-01	7.59E-02	0.00E+00	2.00E-02	5.23E-01
2.00E+00	4.11E-01	2.20E-02	0.00E+00	8.39E-03	4.42E-01
3.00E+00	3.79E-01	6.17E-03	0.00E+00	3.15E-03	3.88E-01
4.00E+00	3.47E-01	1.69E-03	0.00E+00	1.13E-03	3.50E-01
5.00E+00	3.19E-01	4.56E-04	0.00E+00	4.02E-04	3.19E-01
6.00E+00	2.94E-01	1.21E-04	0.00E+00	1.42E-04	2.94E-01
7.00E+00	2.72E-01	3.18E-05	0.00E+00	4.97E-05	2.72E-01
8.00E+00	2.53E-01	8.30E-06	0.00E+00	1.74E-05	2.53E-01
9.00E+00	2.35E-01	2.15E-06	0.00E+00	6.12E-06	2.35E-01
1.00E+01	2.19E-01	5.52E-07	0.00E+00	2.14E-06	2.19E-01
2.00E+01	1.14E-01	0.00E+00	0.00E+00	0.00E+00	1.14E-01
3.00E+01	6.12E-02	0.00E+00	0.00E+00	0.00E+00	6.12E-02
4.00E+01	3.39E-02	0.00E+00	0.00E+00	0.00E+00	3.39E-02
5.00E+01	1.93E-02	0.00E+00	0.00E+00	0.00E+00	1.93E-02
6.00E+01	1.12E-02	0.00E+00	0.00E+00	0.00E+00	1.12E-02
7.00E+01	6.56E-03	0.00E+00	0.00E+00	0.00E+00	6.56E-03
8.00E+01	3.90E-03	0.00E+00	0.00E+00	0.00E+00	3.90E-03
9.00E+01	2.34E-03	0.00E+00	0.00E+00	0.00E+00	2.34E-03
1.00E+02	1.41E-03	0.00E+00	0.00E+00	0.00E+00	1.41E-03
2.00E+02	1.02E-05	0.00E+00	0.00E+00	0.00E+00	1.02E-05
3.00E+02	7.60E-08	0.00E+00	0.00E+00	0.00E+00	7.60E-08

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	24-HOUR URINE	ACCUMULATED URINE	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		5.77E-03		6.83E-04
2.00E-01		1.39E-02		1.92E-03
3.00E-01		2.19E-02		3.52E-03
4.00E-01		2.96E-02		5.38E-03
5.00E-01		3.69E-02		7.39E-03
6.00E-01		4.38E-02		9.49E-03
7.00E-01		5.03E-02		1.16E-02
8.00E-01		5.64E-02		1.37E-02
9.00E-01		6.22E-02		1.58E-02
1.00E+00	6.76E-02	6.76E-02	1.78E-02	1.78E-02
2.00E+00	4.17E-02	1.06E-01	1.53E-02	3.23E-02
3.00E+00	2.50E-02	1.26E-01	7.62E-03	3.83E-02
4.00E+00	1.64E-02	1.36E-01	3.68E-03	4.02E-02
5.00E+00	1.17E-02	1.42E-01	1.98E-03	4.03E-02
6.00E+00	8.98E-03	1.44E-01	1.24E-03	3.96E-02
7.00E+00	7.19E-03	1.44E-01	8.84E-04	3.86E-02
8.00E+00	5.95E-03	1.43E-01	6.91E-04	3.75E-02
9.00E+00	5.04E-03	1.42E-01	5.70E-04	3.63E-02
1.00E+01	4.34E-03	1.39E-01	4.86E-04	3.51E-02
2.00E+01	1.55E-03	1.05E-01	1.72E-04	2.37E-02
3.00E+01	6.61E-04	7.25E-02	7.35E-05	1.55E-02
4.00E+01	2.86E-04	4.80E-02	3.18E-05	9.90E-03
5.00E+01	1.24E-04	3.10E-02	1.38E-05	6.26E-03
6.00E+01	5.43E-05	1.97E-02	6.03E-06	3.92E-03
7.00E+01	2.40E-05	1.24E-02	2.66E-06	2.45E-03
8.00E+01	1.07E-05	7.77E-03	1.19E-06	1.52E-03
9.00E+01	4.85E-06	4.84E-03	5.39E-07	9.42E-04
1.00E+02	2.25E-06	3.01E-03	2.50E-07	5.83E-04

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	2.90E-01	2.26E-01	3.03E-04	7.41E-02	5.90E-01
2.00E-01	2.90E-01	2.01E-01	2.96E-07	3.72E-02	5.29E-01
3.00E-01	2.63E-01	1.79E-01	0.00E+00	3.14E-02	4.74E-01
4.00E-01	2.38E-01	1.60E-01	0.00E+00	2.98E-02	4.27E-01
5.00E-01	2.17E-01	1.43E-01	0.00E+00	2.85E-02	3.88E-01
6.00E-01	2.01E-01	1.27E-01	0.00E+00	2.71E-02	3.55E-01
7.00E-01	1.87E-01	1.13E-01	0.00E+00	2.56E-02	3.26E-01
8.00E-01	1.76E-01	1.01E-01	0.00E+00	2.41E-02	3.01E-01
9.00E-01	1.67E-01	8.96E-02	0.00E+00	2.25E-02	2.80E-01
1.00E+00	1.60E-01	7.97E-02	0.00E+00	2.10E-02	2.61E-01
2.00E+00	1.27E-01	2.42E-02	0.00E+00	9.24E-03	1.60E-01
3.00E+00	1.17E-01	7.13E-03	0.00E+00	3.64E-03	1.27E-01
4.00E+00	1.12E-01	2.05E-03	0.00E+00	1.38E-03	1.15E-01
5.00E+00	1.08E-01	5.81E-04	0.00E+00	5.12E-04	1.09E-01
6.00E+00	1.05E-01	1.62E-04	0.00E+00	1.89E-04	1.06E-01
7.00E+00	1.03E-01	4.47E-05	0.00E+00	6.98E-05	1.03E-01
8.00E+00	1.00E-01	1.22E-05	0.00E+00	2.57E-05	1.00E-01
9.00E+00	9.79E-02	3.32E-06	0.00E+00	9.47E-06	9.79E-02
1.00E+01	9.56E-02	8.96E-07	0.00E+00	3.48E-06	9.56E-02
2.00E+01	7.63E-02	0.00E+00	0.00E+00	0.00E+00	7.63E-02
3.00E+01	6.27E-02	0.00E+00	0.00E+00	0.00E+00	6.27E-02
4.00E+01	5.30E-02	0.00E+00	0.00E+00	0.00E+00	5.30E-02
5.00E+01	4.62E-02	0.00E+00	0.00E+00	0.00E+00	4.62E-02
6.00E+01	4.13E-02	0.00E+00	0.00E+00	0.00E+00	4.13E-02
7.00E+01	3.78E-02	0.00E+00	0.00E+00	0.00E+00	3.78E-02
8.00E+01	3.53E-02	0.00E+00	0.00E+00	0.00E+00	3.53E-02
9.00E+01	3.35E-02	0.00E+00	0.00E+00	0.00E+00	3.35E-02
1.00E+02	3.22E-02	0.00E+00	0.00E+00	0.00E+00	3.22E-02
2.00E+02	2.84E-02	0.00E+00	0.00E+00	0.00E+00	2.84E-02
3.00E+02	2.74E-02	0.00E+00	0.00E+00	0.00E+00	2.74E-02
4.00E+02	2.64E-02	0.00E+00	0.00E+00	0.00E+00	2.64E-02
5.00E+02	2.55E-02	0.00E+00	0.00E+00	0.00E+00	2.55E-02
6.00E+02	2.47E-02	0.00E+00	0.00E+00	0.00E+00	2.47E-02
7.00E+02	2.38E-02	0.00E+00	0.00E+00	0.00E+00	2.38E-02
8.00E+02	2.30E-02	0.00E+00	0.00E+00	0.00E+00	2.30E-02
9.00E+02	2.22E-02	0.00E+00	0.00E+00	0.00E+00	2.22E-02
1.00E+03	2.15E-02	0.00E+00	0.00E+00	0.00E+00	2.15E-02
2.00E+03	1.52E-02	0.00E+00	0.00E+00	0.00E+00	1.52E-02
4.00E+03	7.59E-03	0.00E+00	0.00E+00	0.00E+00	7.59E-03
8.00E+03	1.90E-03	0.00E+00	0.00E+00	0.00E+00	1.90E-03
1.00E+04	9.50E-04	0.00E+00	0.00E+00	0.00E+00	9.50E-04
2.00E+04	2.97E-05	0.00E+00	0.00E+00	0.00E+00	2.97E-05

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	24-HOUR URINE	ACCUMULATED URINE	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		4.39E-02		4.92E-03
2.00E-01		9.91E-02		1.14E-02
3.00E-01		1.48E-01		1.75E-02
4.00E-01		1.89E-01		2.31E-02
5.00E-01		2.23E-01		2.81E-02
6.00E-01		2.52E-01		3.27E-02
7.00E-01		2.76E-01		3.69E-02
8.00E-01		2.97E-01		4.08E-02
9.00E-01		3.15E-01		4.43E-02
1.00E+00	3.31E-01	3.31E-01	4.75E-02	4.75E-02
2.00E+00	7.99E-02	4.11E-01	2.07E-02	6.82E-02
3.00E+00	2.45E-02	4.35E-01	8.33E-03	7.65E-02
4.00E+00	9.06E-03	4.44E-01	3.27E-03	7.98E-02
5.00E+00	4.38E-03	4.49E-01	1.35E-03	8.11E-02
6.00E+00	2.94E-03	4.52E-01	6.50E-04	8.18E-02
7.00E+00	2.46E-03	4.54E-01	3.93E-04	8.22E-02
8.00E+00	2.27E-03	4.56E-01	2.97E-04	8.25E-02
9.00E+00	2.17E-03	4.59E-01	2.57E-04	8.27E-02
1.00E+01	2.08E-03	4.61E-01	2.38E-04	8.30E-02
2.00E+01	1.47E-03	4.78E-01	1.64E-04	8.49E-02
3.00E+01	1.05E-03	4.90E-01	1.16E-04	8.63E-02
4.00E+01	7.42E-04	4.99E-01	8.24E-05	8.72E-02
5.00E+01	5.27E-04	5.05E-01	5.86E-05	8.79E-02
6.00E+01	3.76E-04	5.09E-01	4.17E-05	8.84E-02
7.00E+01	2.68E-04	5.13E-01	2.98E-05	8.87E-02
8.00E+01	1.92E-04	5.15E-01	2.14E-05	8.90E-02
9.00E+01	1.39E-04	5.16E-01	1.54E-05	8.92E-02
1.00E+02	1.01E-04	5.18E-01	1.12E-05	8.93E-02
2.00E+02	1.17E-05	5.21E-01	1.30E-06	8.97E-02
3.00E+02	8.63E-06	5.22E-01	9.59E-07	8.98E-02
4.00E+02	8.25E-06	5.23E-01	9.17E-07	8.99E-02
5.00E+02	7.97E-06	5.24E-01	8.85E-07	9.00E-02
6.00E+02	7.70E-06	5.24E-01	8.55E-07	9.01E-02
7.00E+02	7.43E-06	5.25E-01	8.26E-07	9.01E-02
8.00E+02	7.18E-06	5.26E-01	7.98E-07	9.02E-02
9.00E+02	6.94E-06	5.27E-01	7.71E-07	9.03E-02
1.00E+03	6.70E-06	5.27E-01	7.44E-07	9.04E-02
2.00E+03	4.74E-06	5.33E-01	5.26E-07	9.10E-02
4.00E+03	2.37E-06	5.40E-01	2.63E-07	9.18E-02
8.00E+03	6.01E-07	5.45E-01	6.58E-08	9.23E-02
1.00E+04	3.07E-07	5.46E-01	3.29E-08	9.24E-02
2.00E+04	3.00E-08	5.47E-01	0.00E+00	9.25E-02

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	2.90E-01	2.26E-01	3.02E-04	7.41E-02	5.90E-01
2.00E-01	2.90E-01	2.01E-01	2.95E-07	3.71E-02	5.28E-01
3.00E-01	2.62E-01	1.79E-01	0.00E+00	3.13E-02	4.73E-01
4.00E-01	2.37E-01	1.59E-01	0.00E+00	2.97E-02	4.26E-01
5.00E-01	2.16E-01	1.42E-01	0.00E+00	2.84E-02	3.87E-01
6.00E-01	2.00E-01	1.26E-01	0.00E+00	2.69E-02	3.53E-01
7.00E-01	1.86E-01	1.12E-01	0.00E+00	2.54E-02	3.24E-01
8.00E-01	1.75E-01	1.00E-01	0.00E+00	2.39E-02	2.99E-01
9.00E-01	1.66E-01	8.89E-02	0.00E+00	2.24E-02	2.78E-01
1.00E+00	1.59E-01	7.91E-02	0.00E+00	2.09E-02	2.59E-01
2.00E+00	1.25E-01	2.38E-02	0.00E+00	9.10E-03	1.58E-01
3.00E+00	1.14E-01	6.96E-03	0.00E+00	3.55E-03	1.24E-01
4.00E+00	1.08E-01	1.99E-03	0.00E+00	1.33E-03	1.11E-01
5.00E+00	1.04E-01	5.58E-04	0.00E+00	4.93E-04	1.05E-01
6.00E+00	1.00E-01	1.54E-04	0.00E+00	1.81E-04	1.01E-01
7.00E+00	9.72E-02	4.23E-05	0.00E+00	6.61E-05	9.73E-02
8.00E+00	9.41E-02	1.15E-05	0.00E+00	2.41E-05	9.41E-02
9.00E+00	9.11E-02	3.09E-06	0.00E+00	8.81E-06	9.11E-02
1.00E+01	8.83E-02	8.28E-07	0.00E+00	3.22E-06	8.83E-02
2.00E+01	6.51E-02	0.00E+00	0.00E+00	0.00E+00	6.51E-02
3.00E+01	4.94E-02	0.00E+00	0.00E+00	0.00E+00	4.94E-02
4.00E+01	3.86E-02	0.00E+00	0.00E+00	0.00E+00	3.86E-02
5.00E+01	3.11E-02	0.00E+00	0.00E+00	0.00E+00	3.11E-02
6.00E+01	2.57E-02	0.00E+00	0.00E+00	0.00E+00	2.57E-02
7.00E+01	2.17E-02	0.00E+00	0.00E+00	0.00E+00	2.17E-02
8.00E+01	1.87E-02	0.00E+00	0.00E+00	0.00E+00	1.87E-02
9.00E+01	1.64E-02	0.00E+00	0.00E+00	0.00E+00	1.64E-02
1.00E+02	1.46E-02	0.00E+00	0.00E+00	0.00E+00	1.46E-02
2.00E+02	5.82E-03	0.00E+00	0.00E+00	0.00E+00	5.82E-03
3.00E+02	2.54E-03	0.00E+00	0.00E+00	0.00E+00	2.54E-03
4.00E+02	1.11E-03	0.00E+00	0.00E+00	0.00E+00	1.11E-03
5.00E+02	4.85E-04	0.00E+00	0.00E+00	0.00E+00	4.85E-04
6.00E+02	2.12E-04	0.00E+00	0.00E+00	0.00E+00	2.12E-04
7.00E+02	9.27E-05	0.00E+00	0.00E+00	0.00E+00	9.27E-05
8.00E+02	4.05E-05	0.00E+00	0.00E+00	0.00E+00	4.05E-05
9.00E+02	1.77E-05	0.00E+00	0.00E+00	0.00E+00	1.77E-05
1.00E+03	7.75E-06	0.00E+00	0.00E+00	0.00E+00	7.75E-06

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	24-HOUR URINE	ACCUMULATED URINE	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		4.39E-02		4.92E-03
2.00E-01		9.89E-02		1.14E-02
3.00E-01		1.47E-01		1.75E-02
4.00E-01		1.88E-01		2.30E-02
5.00E-01		2.22E-01		2.80E-02
6.00E-01		2.51E-01		3.26E-02
7.00E-01		2.75E-01		3.67E-02
8.00E-01		2.95E-01		4.05E-02
9.00E-01		3.13E-01		4.40E-02
1.00E+00	3.28E-01	3.28E-01	4.72E-02	4.72E-02
2.00E+00	7.87E-02	4.04E-01	2.03E-02	6.71E-02
3.00E+00	2.40E-02	4.25E-01	8.13E-03	7.47E-02
4.00E+00	8.78E-03	4.30E-01	3.17E-03	7.73E-02
5.00E+00	4.21E-03	4.31E-01	1.30E-03	7.80E-02
6.00E+00	2.80E-03	4.31E-01	6.19E-04	7.80E-02
7.00E+00	2.33E-03	4.30E-01	3.72E-04	7.77E-02
8.00E+00	2.13E-03	4.28E-01	2.79E-04	7.74E-02
9.00E+00	2.02E-03	4.27E-01	2.39E-04	7.70E-02
1.00E+01	1.93E-03	4.25E-01	2.20E-04	7.66E-02
2.00E+01	1.26E-03	4.08E-01	1.40E-04	7.24E-02
3.00E+01	8.24E-04	3.86E-01	9.16E-05	6.80E-02
4.00E+01	5.40E-04	3.63E-01	6.00E-05	6.35E-02
5.00E+01	3.55E-04	3.40E-01	3.94E-05	5.91E-02
6.00E+01	2.33E-04	3.17E-01	2.59E-05	5.49E-02
7.00E+01	1.54E-04	2.94E-01	1.71E-05	5.10E-02
8.00E+01	1.02E-04	2.73E-01	1.13E-05	4.72E-02
9.00E+01	6.80E-05	2.53E-01	7.55E-06	4.37E-02
1.00E+02	4.56E-05	2.34E-01	5.07E-06	4.04E-02
2.00E+02	2.40E-06	1.07E-01	2.66E-07	1.84E-02
3.00E+02	8.00E-07	4.84E-02	8.89E-08	8.33E-03
4.00E+02	3.46E-07	2.19E-02	3.85E-08	3.77E-03
5.00E+02	1.51E-07	9.95E-03	1.68E-08	1.71E-03
6.00E+02	6.62E-08	4.51E-03	0.00E+00	7.74E-04
7.00E+02	2.89E-08	2.04E-03	0.00E+00	3.51E-04
8.00E+02	1.26E-08	9.26E-04	0.00E+00	1.59E-04

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	3.89E-01	2.26E-01	3.03E-04	2.17E-02	6.37E-01
2.00E-01	4.31E-01	2.01E-01	2.96E-07	2.28E-03	6.34E-01
3.00E-01	4.51E-01	1.79E-01	0.00E+00	4.15E-04	6.31E-01
4.00E-01	4.68E-01	1.60E-01	0.00E+00	1.85E-04	6.28E-01
5.00E-01	4.82E-01	1.43E-01	0.00E+00	1.21E-04	6.25E-01
6.00E-01	4.94E-01	1.27E-01	0.00E+00	8.47E-05	6.21E-01
7.00E-01	5.05E-01	1.13E-01	0.00E+00	5.98E-05	6.18E-01
8.00E-01	5.14E-01	1.01E-01	0.00E+00	4.23E-05	6.14E-01
9.00E-01	5.21E-01	8.96E-02	0.00E+00	2.99E-05	6.11E-01
1.00E+00	5.27E-01	7.97E-02	0.00E+00	2.12E-05	6.07E-01
2.00E+00	5.45E-01	2.42E-02	0.00E+00	7.04E-07	5.70E-01
3.00E+00	5.25E-01	7.13E-03	0.00E+00	3.82E-08	5.32E-01
4.00E+00	4.95E-01	2.05E-03	0.00E+00	0.00E+00	4.97E-01
5.00E+00	4.63E-01	5.81E-04	0.00E+00	0.00E+00	4.64E-01
6.00E+00	4.33E-01	1.62E-04	0.00E+00	0.00E+00	4.33E-01
7.00E+00	4.04E-01	4.47E-05	0.00E+00	0.00E+00	4.04E-01
8.00E+00	3.77E-01	1.22E-05	0.00E+00	0.00E+00	3.77E-01
9.00E+00	3.52E-01	3.32E-06	0.00E+00	0.00E+00	3.52E-01
1.00E+01	3.28E-01	8.96E-07	0.00E+00	0.00E+00	3.28E-01
2.00E+01	1.64E-01	0.00E+00	0.00E+00	0.00E+00	1.64E-01
3.00E+01	8.20E-02	0.00E+00	0.00E+00	0.00E+00	8.20E-02
4.00E+01	4.10E-02	0.00E+00	0.00E+00	0.00E+00	4.10E-02
5.00E+01	2.05E-02	0.00E+00	0.00E+00	0.00E+00	2.05E-02
6.00E+01	1.03E-02	0.00E+00	0.00E+00	0.00E+00	1.03E-02
7.00E+01	5.13E-03	0.00E+00	0.00E+00	0.00E+00	5.13E-03
8.00E+01	2.57E-03	0.00E+00	0.00E+00	0.00E+00	2.57E-03
9.00E+01	1.28E-03	0.00E+00	0.00E+00	0.00E+00	1.28E-03
1.00E+02	6.41E-04	0.00E+00	0.00E+00	0.00E+00	6.41E-04
2.00E+02	6.27E-07	0.00E+00	0.00E+00	0.00E+00	6.27E-07

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		1.99E-03		4.54E-10
2.00E-01		4.86E-03		2.79E-09
3.00E-01		7.92E-03		6.98E-09
4.00E-01		1.11E-02		1.25E-08
5.00E-01		1.44E-02		1.90E-08
6.00E-01		1.78E-02		2.62E-08
7.00E-01		2.12E-02		3.36E-08
8.00E-01		2.48E-02		4.13E-08
9.00E-01		2.84E-02		4.89E-08
1.00E+00	3.20E-02	3.20E-02	5.64E-08	5.64E-08
2.00E+00	3.75E-02	6.95E-02	5.77E-08	1.14E-07
3.00E+00	3.72E-02	1.07E-01	2.72E-08	1.41E-07
4.00E+00	3.54E-02	1.42E-01	1.10E-08	1.52E-07
5.00E+00	3.32E-02	1.75E-01	0.00E+00	1.57E-07
6.00E+00	3.10E-02	2.06E-01	0.00E+00	1.58E-07
7.00E+00	2.90E-02	2.35E-01	0.00E+00	1.59E-07
8.00E+00	2.70E-02	2.62E-01	0.00E+00	1.59E-07
9.00E+00	2.52E-02	2.88E-01	0.00E+00	1.59E-07
1.00E+01	2.35E-02	3.11E-01	0.00E+00	1.59E-07
2.00E+01	1.18E-02	4.75E-01	0.00E+00	1.59E-07
3.00E+01	5.89E-03	5.57E-01	0.00E+00	1.59E-07
4.00E+01	2.94E-03	5.98E-01	0.00E+00	1.59E-07
5.00E+01	1.47E-03	6.19E-01	0.00E+00	1.59E-07
6.00E+01	7.36E-04	6.29E-01	0.00E+00	1.59E-07
7.00E+01	3.68E-04	6.34E-01	0.00E+00	1.59E-07
8.00E+01	1.84E-04	6.37E-01	0.00E+00	1.59E-07
9.00E+01	9.21E-05	6.38E-01	0.00E+00	1.59E-07
1.00E+02	4.60E-05	6.38E-01	0.00E+00	1.59E-07
2.00E+02	4.50E-08	6.39E-01	0.00E+00	1.59E-07

CLASS D

AMAD = 1 MICRON

HALFLIFE= 1.10E+08 DAYS

CHLORINE 36

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	3.89E-01	2.26E-01	3.03E-04	2.17E-02	6.37E-01
2.00E-01	4.31E-01	2.01E-01	2.96E-07	2.28E-03	6.34E-01
3.00E-01	4.51E-01	1.79E-01	0.00E+00	4.15E-04	6.31E-01
4.00E-01	4.68E-01	1.60E-01	0.00E+00	1.85E-04	6.28E-01
5.00E-01	4.82E-01	1.43E-01	0.00E+00	1.21E-04	6.25E-01
6.00E-01	4.94E-01	1.27E-01	0.00E+00	8.47E-05	6.21E-01
7.00E-01	5.05E-01	1.13E-01	0.00E+00	5.98E-05	6.18E-01
8.00E-01	5.14E-01	1.01E-01	0.00E+00	4.23E-05	6.14E-01
9.00E-01	5.21E-01	8.96E-02	0.00E+00	2.99E-05	6.11E-01
1.00E+00	5.27E-01	7.97E-02	0.00E+00	2.12E-05	6.07E-01
2.00E+00	5.45E-01	2.42E-02	0.00E+00	7.04E-07	5.70E-01
3.00E+00	5.25E-01	7.13E-03	0.00E+00	3.82E-08	5.32E-01
4.00E+00	4.95E-01	2.05E-03	0.00E+00	0.00E+00	4.97E-01
5.00E+00	4.63E-01	5.81E-04	0.00E+00	0.00E+00	4.64E-01
6.00E+00	4.33E-01	1.62E-04	0.00E+00	0.00E+00	4.33E-01
7.00E+00	4.04E-01	4.47E-05	0.00E+00	0.00E+00	4.04E-01
8.00E+00	3.77E-01	1.22E-05	0.00E+00	0.00E+00	3.77E-01
9.00E+00	3.52E-01	3.32E-06	0.00E+00	0.00E+00	3.52E-01
1.00E+01	3.28E-01	8.96E-07	0.00E+00	0.00E+00	3.28E-01
2.00E+01	1.64E-01	0.00E+00	0.00E+00	0.00E+00	1.64E-01
3.00E+01	8.20E-02	0.00E+00	0.00E+00	0.00E+00	8.20E-02
4.00E+01	4.10E-02	0.00E+00	0.00E+00	0.00E+00	4.10E-02
5.00E+01	2.05E-02	0.00E+00	0.00E+00	0.00E+00	2.05E-02
6.00E+01	1.03E-02	0.00E+00	0.00E+00	0.00E+00	1.03E-02
7.00E+01	5.13E-03	0.00E+00	0.00E+00	0.00E+00	5.13E-03
8.00E+01	2.57E-03	0.00E+00	0.00E+00	0.00E+00	2.57E-03
9.00E+01	1.28E-03	0.00E+00	0.00E+00	0.00E+00	1.28E-03
1.00E+02	6.41E-04	0.00E+00	0.00E+00	0.00E+00	6.41E-04
2.00E+02	6.27E-07	0.00E+00	0.00E+00	0.00E+00	6.27E-07

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		1.99E-03		4.54E-10
2.00E-01		4.86E-03		2.79E-09
3.00E-01		7.92E-03		6.98E-09
4.00E-01		1.11E-02		1.25E-08
5.00E-01		1.44E-02		1.90E-08
6.00E-01		1.78E-02		2.62E-08
7.00E-01		2.12E-02		3.36E-08
8.00E-01		2.48E-02		4.13E-08
9.00E-01		2.84E-02		4.89E-08
1.00E+00	3.20E-02	3.20E-02	5.64E-08	5.64E-08
2.00E+00	3.75E-02	6.95E-02	5.77E-08	1.14E-07
3.00E+00	3.72E-02	1.07E-01	2.72E-08	1.41E-07
4.00E+00	3.54E-02	1.42E-01	1.10E-08	1.52E-07
5.00E+00	3.32E-02	1.75E-01	0.00E+00	1.57E-07
6.00E+00	3.10E-02	2.06E-01	0.00E+00	1.58E-07
7.00E+00	2.90E-02	2.35E-01	0.00E+00	1.59E-07
8.00E+00	2.70E-02	2.62E-01	0.00E+00	1.59E-07
9.00E+00	2.52E-02	2.88E-01	0.00E+00	1.59E-07
1.00E+01	2.35E-02	3.11E-01	0.00E+00	1.59E-07
2.00E+01	1.18E-02	4.75E-01	0.00E+00	1.59E-07
3.00E+01	5.89E-03	5.57E-01	0.00E+00	1.59E-07
4.00E+01	2.94E-03	5.98E-01	0.00E+00	1.59E-07
5.00E+01	1.47E-03	6.19E-01	0.00E+00	1.59E-07
6.00E+01	7.36E-04	6.29E-01	0.00E+00	1.59E-07
7.00E+01	3.68E-04	6.34E-01	0.00E+00	1.59E-07
8.00E+01	1.84E-04	6.37E-01	0.00E+00	1.59E-07
9.00E+01	9.21E-05	6.38E-01	0.00E+00	1.59E-07
1.00E+02	4.60E-05	6.38E-01	0.00E+00	1.59E-07
2.00E+02	4.50E-08	6.39E-01	0.00E+00	1.59E-07

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	3.91E-01	2.26E-01	3.03E-04	2.17E-02	6.38E-01
2.00E-01	4.34E-01	2.01E-01	2.96E-07	2.28E-03	6.38E-01
3.00E-01	4.57E-01	1.79E-01	0.00E+00	4.15E-04	6.36E-01
4.00E-01	4.75E-01	1.60E-01	0.00E+00	1.85E-04	6.35E-01
5.00E-01	4.92E-01	1.43E-01	0.00E+00	1.21E-04	6.34E-01
6.00E-01	5.06E-01	1.27E-01	0.00E+00	8.47E-05	6.33E-01
7.00E-01	5.19E-01	1.13E-01	0.00E+00	5.98E-05	6.32E-01
8.00E-01	5.30E-01	1.01E-01	0.00E+00	4.23E-05	6.31E-01
9.00E-01	5.40E-01	8.96E-02	0.00E+00	2.99E-05	6.30E-01
1.00E+00	5.49E-01	7.97E-02	0.00E+00	2.12E-05	6.28E-01
2.00E+00	5.91E-01	2.42E-02	0.00E+00	7.04E-07	6.15E-01
3.00E+00	5.94E-01	7.13E-03	0.00E+00	3.82E-08	6.01E-01
4.00E+00	5.86E-01	2.05E-03	0.00E+00	0.00E+00	5.88E-01
5.00E+00	5.74E-01	5.81E-04	0.00E+00	0.00E+00	5.74E-01
6.00E+00	5.61E-01	1.62E-04	0.00E+00	0.00E+00	5.61E-01
7.00E+00	5.49E-01	4.47E-05	0.00E+00	0.00E+00	5.49E-01
8.00E+00	5.36E-01	1.22E-05	0.00E+00	0.00E+00	5.36E-01
9.00E+00	5.24E-01	3.32E-06	0.00E+00	0.00E+00	5.24E-01
1.00E+01	5.12E-01	8.96E-07	0.00E+00	0.00E+00	5.12E-01
2.00E+01	4.07E-01	0.00E+00	0.00E+00	0.00E+00	4.07E-01
3.00E+01	3.23E-01	0.00E+00	0.00E+00	0.00E+00	3.23E-01
4.00E+01	2.57E-01	0.00E+00	0.00E+00	0.00E+00	2.57E-01
5.00E+01	2.04E-01	0.00E+00	0.00E+00	0.00E+00	2.04E-01
6.00E+01	1.62E-01	0.00E+00	0.00E+00	0.00E+00	1.62E-01
7.00E+01	1.29E-01	0.00E+00	0.00E+00	0.00E+00	1.29E-01
8.00E+01	1.02E-01	0.00E+00	0.00E+00	0.00E+00	1.02E-01
9.00E+01	8.13E-02	0.00E+00	0.00E+00	0.00E+00	8.13E-02
1.00E+02	6.46E-02	0.00E+00	0.00E+00	0.00E+00	6.46E-02
2.00E+02	6.48E-03	0.00E+00	0.00E+00	0.00E+00	6.48E-03
3.00E+02	6.50E-04	0.00E+00	0.00E+00	0.00E+00	6.50E-04
4.00E+02	6.51E-05	0.00E+00	0.00E+00	0.00E+00	6.51E-05
5.00E+02	6.53E-06	0.00E+00	0.00E+00	0.00E+00	6.53E-06
6.00E+02	6.54E-07	0.00E+00	0.00E+00	0.00E+00	6.54E-07
7.00E+02	6.49E-08	0.00E+00	0.00E+00	0.00E+00	6.49E-08

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		6.63E-04		4.54E-10
2.00E-01		1.62E-03		2.79E-09
3.00E-01		2.65E-03		6.98E-09
4.00E-01		3.72E-03		1.25E-08
5.00E-01		4.83E-03		1.90E-08
6.00E-01		5.98E-03		2.62E-08
7.00E-01		7.16E-03		3.36E-08
8.00E-01		8.36E-03		4.13E-08
9.00E-01		9.59E-03		4.89E-08
1.00E+00	1.08E-02	1.08E-02	5.64E-08	5.64E-08
2.00E+00	1.32E-02	2.41E-02	5.77E-08	1.14E-07
3.00E+00	1.37E-02	3.77E-02	2.72E-08	1.41E-07
4.00E+00	1.36E-02	5.13E-02	1.10E-08	1.52E-07
5.00E+00	1.33E-02	6.47E-02	0.00E+00	1.57E-07
6.00E+00	1.31E-02	7.77E-02	0.00E+00	1.58E-07
7.00E+00	1.28E-02	9.05E-02	0.00E+00	1.59E-07
8.00E+00	1.25E-02	1.03E-01	0.00E+00	1.59E-07
9.00E+00	1.22E-02	1.15E-01	0.00E+00	1.59E-07
1.00E+01	1.19E-02	1.27E-01	0.00E+00	1.59E-07
2.00E+01	9.47E-03	2.32E-01	0.00E+00	1.59E-07
3.00E+01	7.52E-03	3.16E-01	0.00E+00	1.59E-07
4.00E+01	5.98E-03	3.82E-01	0.00E+00	1.59E-07
5.00E+01	4.75E-03	4.35E-01	0.00E+00	1.59E-07
6.00E+01	3.77E-03	4.77E-01	0.00E+00	1.59E-07
7.00E+01	3.00E-03	5.10E-01	0.00E+00	1.59E-07
8.00E+01	2.38E-03	5.37E-01	0.00E+00	1.59E-07
9.00E+01	1.89E-03	5.58E-01	0.00E+00	1.59E-07
1.00E+02	1.50E-03	5.75E-01	0.00E+00	1.59E-07
2.00E+02	1.51E-04	6.33E-01	0.00E+00	1.59E-07
3.00E+02	1.51E-05	6.38E-01	0.00E+00	1.59E-07
4.00E+02	1.52E-06	6.39E-01	0.00E+00	1.59E-07
5.00E+02	1.52E-07	6.39E-01	0.00E+00	1.59E-07
6.00E+02	1.52E-08	6.39E-01	0.00E+00	1.59E-07

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	3.91E-01	2.26E-01	3.03E-04	2.17E-02	6.38E-01
2.00E-01	4.34E-01	2.01E-01	2.96E-07	2.28E-03	6.38E-01
3.00E-01	4.57E-01	1.79E-01	0.00E+00	4.15E-04	6.36E-01
4.00E-01	4.75E-01	1.60E-01	0.00E+00	1.85E-04	6.35E-01
5.00E-01	4.92E-01	1.43E-01	0.00E+00	1.21E-04	6.34E-01
6.00E-01	5.06E-01	1.27E-01	0.00E+00	8.47E-05	6.33E-01
7.00E-01	5.19E-01	1.13E-01	0.00E+00	5.98E-05	6.32E-01
8.00E-01	5.30E-01	1.01E-01	0.00E+00	4.23E-05	6.31E-01
9.00E-01	5.40E-01	8.96E-02	0.00E+00	2.99E-05	6.30E-01
1.00E+00	5.49E-01	7.97E-02	0.00E+00	2.12E-05	6.28E-01
2.00E+00	5.91E-01	2.42E-02	0.00E+00	7.04E-07	6.15E-01
3.00E+00	5.94E-01	7.13E-03	0.00E+00	3.82E-08	6.01E-01
4.00E+00	5.86E-01	2.05E-03	0.00E+00	0.00E+00	5.88E-01
5.00E+00	5.74E-01	5.81E-04	0.00E+00	0.00E+00	5.74E-01
6.00E+00	5.61E-01	1.62E-04	0.00E+00	0.00E+00	5.61E-01
7.00E+00	5.49E-01	4.47E-05	0.00E+00	0.00E+00	5.49E-01
8.00E+00	5.36E-01	1.22E-05	0.00E+00	0.00E+00	5.36E-01
9.00E+00	5.24E-01	3.32E-06	0.00E+00	0.00E+00	5.24E-01
1.00E+01	5.12E-01	8.96E-07	0.00E+00	0.00E+00	5.12E-01
2.00E+01	4.07E-01	0.00E+00	0.00E+00	0.00E+00	4.07E-01
3.00E+01	3.23E-01	0.00E+00	0.00E+00	0.00E+00	3.23E-01
4.00E+01	2.57E-01	0.00E+00	0.00E+00	0.00E+00	2.57E-01
5.00E+01	2.04E-01	0.00E+00	0.00E+00	0.00E+00	2.04E-01
6.00E+01	1.62E-01	0.00E+00	0.00E+00	0.00E+00	1.62E-01
7.00E+01	1.29E-01	0.00E+00	0.00E+00	0.00E+00	1.29E-01
8.00E+01	1.02E-01	0.00E+00	0.00E+00	0.00E+00	1.02E-01
9.00E+01	8.13E-02	0.00E+00	0.00E+00	0.00E+00	8.13E-02
1.00E+02	6.46E-02	0.00E+00	0.00E+00	0.00E+00	6.46E-02
2.00E+02	6.48E-03	0.00E+00	0.00E+00	0.00E+00	6.48E-03
3.00E+02	6.50E-04	0.00E+00	0.00E+00	0.00E+00	6.50E-04
4.00E+02	6.51E-05	0.00E+00	0.00E+00	0.00E+00	6.51E-05
5.00E+02	6.53E-06	0.00E+00	0.00E+00	0.00E+00	6.53E-06
6.00E+02	6.54E-07	0.00E+00	0.00E+00	0.00E+00	6.54E-07
7.00E+02	6.49E-08	0.00E+00	0.00E+00	0.00E+00	6.49E-08

CLASS D AMAD = 1 MICRON

HALFLIFE= 4.67E+11 DAYS

POTASSIUM 40

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		6.63E-04		4.54E-10
2.00E-01		1.62E-03		2.79E-09
3.00E-01		2.65E-03		6.98E-09
4.00E-01		3.72E-03		1.25E-08
5.00E-01		4.83E-03		1.90E-08
6.00E-01		5.98E-03		2.62E-08
7.00E-01		7.16E-03		3.36E-08
8.00E-01		8.36E-03		4.13E-08
9.00E-01		9.59E-03		4.89E-08
1.00E+00	1.08E-02	1.08E-02	5.64E-08	5.64E-08
2.00E+00	1.32E-02	2.41E-02	5.77E-08	1.14E-07
3.00E+00	1.37E-02	3.77E-02	2.72E-08	1.41E-07
4.00E+00	1.36E-02	5.13E-02	1.10E-08	1.52E-07
5.00E+00	1.33E-02	6.47E-02	0.00E+00	1.57E-07
6.00E+00	1.31E-02	7.77E-02	0.00E+00	1.58E-07
7.00E+00	1.28E-02	9.05E-02	0.00E+00	1.59E-07
8.00E+00	1.25E-02	1.03E-01	0.00E+00	1.59E-07
9.00E+00	1.22E-02	1.15E-01	0.00E+00	1.59E-07
1.00E+01	1.19E-02	1.27E-01	0.00E+00	1.59E-07
2.00E+01	9.47E-03	2.32E-01	0.00E+00	1.59E-07
3.00E+01	7.52E-03	3.16E-01	0.00E+00	1.59E-07
4.00E+01	5.98E-03	3.82E-01	0.00E+00	1.59E-07
5.00E+01	4.75E-03	4.35E-01	0.00E+00	1.59E-07
6.00E+01	3.77E-03	4.77E-01	0.00E+00	1.59E-07
7.00E+01	3.00E-03	5.10E-01	0.00E+00	1.59E-07
8.00E+01	2.38E-03	5.37E-01	0.00E+00	1.59E-07
9.00E+01	1.89E-03	5.58E-01	0.00E+00	1.59E-07
1.00E+02	1.50E-03	5.75E-01	0.00E+00	1.59E-07
2.00E+02	1.51E-04	6.33E-01	0.00E+00	1.59E-07
3.00E+02	1.51E-05	6.38E-01	0.00E+00	1.59E-07
4.00E+02	1.52E-06	6.39E-01	0.00E+00	1.59E-07
5.00E+02	1.52E-07	6.39E-01	0.00E+00	1.59E-07
6.00E+02	1.52E-08	6.39E-01	0.00E+00	1.59E-07

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	2.57E-01	2.26E-01	3.03E-04	1.56E-01	6.39E-01
2.00E-01	2.82E-01	2.01E-01	2.96E-07	1.55E-01	6.38E-01
3.00E-01	3.03E-01	1.79E-01	0.00E+00	1.54E-01	6.36E-01
4.00E-01	3.22E-01	1.60E-01	0.00E+00	1.51E-01	6.33E-01
5.00E-01	3.40E-01	1.43E-01	0.00E+00	1.46E-01	6.29E-01
6.00E-01	3.55E-01	1.27E-01	0.00E+00	1.41E-01	6.23E-01
7.00E-01	3.69E-01	1.13E-01	0.00E+00	1.35E-01	6.17E-01
8.00E-01	3.81E-01	1.01E-01	0.00E+00	1.28E-01	6.10E-01
9.00E-01	3.92E-01	8.96E-02	0.00E+00	1.21E-01	6.02E-01
1.00E+00	4.02E-01	7.97E-02	0.00E+00	1.14E-01	5.95E-01
2.00E+00	4.57E-01	2.42E-02	0.00E+00	5.19E-02	5.33E-01
3.00E+00	4.73E-01	7.13E-03	0.00E+00	2.07E-02	5.01E-01
4.00E+00	4.78E-01	2.05E-03	0.00E+00	7.86E-03	4.88E-01
5.00E+00	4.79E-01	5.81E-04	0.00E+00	2.93E-03	4.82E-01
6.00E+00	4.78E-01	1.62E-04	0.00E+00	1.09E-03	4.80E-01
7.00E+00	4.78E-01	4.47E-05	0.00E+00	4.00E-04	4.78E-01
8.00E+00	4.78E-01	1.22E-05	0.00E+00	1.47E-04	4.78E-01
9.00E+00	4.77E-01	3.32E-06	0.00E+00	5.42E-05	4.77E-01
1.00E+01	4.76E-01	8.96E-07	0.00E+00	2.00E-05	4.76E-01
2.00E+01	4.71E-01	0.00E+00	0.00E+00	0.00E+00	4.71E-01
3.00E+01	4.66E-01	0.00E+00	0.00E+00	0.00E+00	4.66E-01
4.00E+01	4.60E-01	0.00E+00	0.00E+00	0.00E+00	4.60E-01
5.00E+01	4.55E-01	0.00E+00	0.00E+00	0.00E+00	4.55E-01
6.00E+01	4.50E-01	0.00E+00	0.00E+00	0.00E+00	4.50E-01
7.00E+01	4.45E-01	0.00E+00	0.00E+00	0.00E+00	4.45E-01
8.00E+01	4.39E-01	0.00E+00	0.00E+00	0.00E+00	4.39E-01
9.00E+01	4.34E-01	0.00E+00	0.00E+00	0.00E+00	4.34E-01
1.00E+02	4.29E-01	0.00E+00	0.00E+00	0.00E+00	4.29E-01
2.00E+02	3.83E-01	0.00E+00	0.00E+00	0.00E+00	3.83E-01
3.00E+02	3.41E-01	0.00E+00	0.00E+00	0.00E+00	3.41E-01
4.00E+02	3.04E-01	0.00E+00	0.00E+00	0.00E+00	3.04E-01
5.00E+02	2.71E-01	0.00E+00	0.00E+00	0.00E+00	2.71E-01
6.00E+02	2.41E-01	0.00E+00	0.00E+00	0.00E+00	2.41E-01
7.00E+02	2.15E-01	0.00E+00	0.00E+00	0.00E+00	2.15E-01
8.00E+02	1.91E-01	0.00E+00	0.00E+00	0.00E+00	1.91E-01
9.00E+02	1.70E-01	0.00E+00	0.00E+00	0.00E+00	1.70E-01
1.00E+03	1.52E-01	0.00E+00	0.00E+00	0.00E+00	1.52E-01
2.00E+03	4.78E-02	0.00E+00	0.00E+00	0.00E+00	4.78E-02
4.00E+03	4.75E-03	0.00E+00	0.00E+00	0.00E+00	4.75E-03
8.00E+03	4.68E-05	0.00E+00	0.00E+00	0.00E+00	4.68E-05
1.00E+04	4.63E-06	0.00E+00	0.00E+00	0.00E+00	4.63E-06

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		2.44E-05		6.07E-05
2.00E-01		5.56E-05		7.40E-04
3.00E-01		8.94E-05		2.64E-03
4.00E-01		1.26E-04		5.91E-03
5.00E-01		1.64E-04		1.04E-02
6.00E-01		2.04E-04		1.60E-02
7.00E-01		2.46E-04		2.24E-02
8.00E-01		2.89E-04		2.92E-02
9.00E-01		3.34E-04		3.64E-02
1.00E+00	3.79E-04	3.79E-04	4.37E-02	4.37E-02
2.00E+00	5.02E-04	8.81E-04	6.18E-02	1.06E-01
3.00E+00	5.39E-04	1.42E-03	3.12E-02	1.37E-01
4.00E+00	5.50E-04	1.97E-03	1.28E-02	1.50E-01
5.00E+00	5.52E-04	2.52E-03	4.93E-03	1.54E-01
6.00E+00	5.53E-04	3.08E-03	1.85E-03	1.56E-01
7.00E+00	5.52E-04	3.63E-03	6.85E-04	1.57E-01
8.00E+00	5.52E-04	4.18E-03	2.53E-04	1.57E-01
9.00E+00	5.51E-04	4.73E-03	9.31E-05	1.57E-01
1.00E+01	5.51E-04	5.28E-03	3.43E-05	1.57E-01
2.00E+01	5.44E-04	1.08E-02	0.00E+00	1.57E-01
3.00E+01	5.38E-04	1.62E-02	0.00E+00	1.57E-01
4.00E+01	5.32E-04	2.15E-02	0.00E+00	1.57E-01
5.00E+01	5.26E-04	2.68E-02	0.00E+00	1.57E-01
6.00E+01	5.20E-04	3.20E-02	0.00E+00	1.57E-01
7.00E+01	5.14E-04	3.72E-02	0.00E+00	1.57E-01
8.00E+01	5.08E-04	4.23E-02	0.00E+00	1.57E-01
9.00E+01	5.02E-04	4.73E-02	0.00E+00	1.57E-01
1.00E+02	4.96E-04	5.23E-02	0.00E+00	1.57E-01
2.00E+02	4.42E-04	9.92E-02	0.00E+00	1.57E-01
3.00E+02	3.94E-04	1.41E-01	0.00E+00	1.57E-01
4.00E+02	3.51E-04	1.78E-01	0.00E+00	1.57E-01
5.00E+02	3.13E-04	2.11E-01	0.00E+00	1.57E-01
6.00E+02	2.79E-04	2.41E-01	0.00E+00	1.57E-01
7.00E+02	2.48E-04	2.67E-01	0.00E+00	1.57E-01
8.00E+02	2.21E-04	2.90E-01	0.00E+00	1.57E-01
9.00E+02	1.97E-04	3.11E-01	0.00E+00	1.57E-01
1.00E+03	1.75E-04	3.30E-01	0.00E+00	1.57E-01
2.00E+03	5.53E-05	4.34E-01	0.00E+00	1.57E-01
4.00E+03	5.49E-06	4.77E-01	0.00E+00	1.57E-01
8.00E+03	5.41E-08	4.82E-01	0.00E+00	1.57E-01
9.00E+03	1.70E-08	4.82E-01	0.00E+00	1.57E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	2.21E-01	2.26E-01	3.03E-04	1.56E-01	6.03E-01
2.00E-01	2.08E-01	2.01E-01	2.95E-07	1.55E-01	5.65E-01
3.00E-01	1.98E-01	1.79E-01	0.00E+00	1.54E-01	5.31E-01
4.00E-01	1.89E-01	1.60E-01	0.00E+00	1.51E-01	5.00E-01
5.00E-01	1.83E-01	1.42E-01	0.00E+00	1.46E-01	4.71E-01
6.00E-01	1.77E-01	1.27E-01	0.00E+00	1.41E-01	4.45E-01
7.00E-01	1.72E-01	1.13E-01	0.00E+00	1.35E-01	4.20E-01
8.00E-01	1.69E-01	1.00E-01	0.00E+00	1.28E-01	3.97E-01
9.00E-01	1.65E-01	8.94E-02	0.00E+00	1.21E-01	3.75E-01
1.00E+00	1.63E-01	7.95E-02	0.00E+00	1.13E-01	3.56E-01
2.00E+00	1.49E-01	2.41E-02	0.00E+00	5.17E-02	2.25E-01
3.00E+00	1.45E-01	7.09E-03	0.00E+00	2.06E-02	1.73E-01
4.00E+00	1.44E-01	2.04E-03	0.00E+00	7.80E-03	1.54E-01
5.00E+00	1.43E-01	5.75E-04	0.00E+00	2.90E-03	1.47E-01
6.00E+00	1.43E-01	1.60E-04	0.00E+00	1.07E-03	1.44E-01
7.00E+00	1.42E-01	4.41E-05	0.00E+00	3.94E-04	1.43E-01
8.00E+00	1.42E-01	1.20E-05	0.00E+00	1.45E-04	1.42E-01
9.00E+00	1.42E-01	3.26E-06	0.00E+00	5.32E-05	1.42E-01
1.00E+01	1.41E-01	8.78E-07	0.00E+00	1.95E-05	1.41E-01
2.00E+01	1.38E-01	0.00E+00	0.00E+00	0.00E+00	1.38E-01
3.00E+01	1.35E-01	0.00E+00	0.00E+00	0.00E+00	1.35E-01
4.00E+01	1.33E-01	0.00E+00	0.00E+00	0.00E+00	1.33E-01
5.00E+01	1.30E-01	0.00E+00	0.00E+00	0.00E+00	1.30E-01
6.00E+01	1.27E-01	0.00E+00	0.00E+00	0.00E+00	1.27E-01
7.00E+01	1.24E-01	0.00E+00	0.00E+00	0.00E+00	1.24E-01
8.00E+01	1.21E-01	0.00E+00	0.00E+00	0.00E+00	1.21E-01
9.00E+01	1.19E-01	0.00E+00	0.00E+00	0.00E+00	1.19E-01
1.00E+02	1.16E-01	0.00E+00	0.00E+00	0.00E+00	1.16E-01
2.00E+02	9.36E-02	0.00E+00	0.00E+00	0.00E+00	9.36E-02
3.00E+02	7.54E-02	0.00E+00	0.00E+00	0.00E+00	7.54E-02
4.00E+02	6.07E-02	0.00E+00	0.00E+00	0.00E+00	6.07E-02
5.00E+02	4.88E-02	0.00E+00	0.00E+00	0.00E+00	4.88E-02
6.00E+02	3.93E-02	0.00E+00	0.00E+00	0.00E+00	3.93E-02
7.00E+02	3.16E-02	0.00E+00	0.00E+00	0.00E+00	3.16E-02
8.00E+02	2.55E-02	0.00E+00	0.00E+00	0.00E+00	2.55E-02
9.00E+02	2.05E-02	0.00E+00	0.00E+00	0.00E+00	2.05E-02
1.00E+03	1.65E-02	0.00E+00	0.00E+00	0.00E+00	1.65E-02
2.00E+03	1.89E-03	0.00E+00	0.00E+00	0.00E+00	1.89E-03
3.00E+03	2.15E-04	0.00E+00	0.00E+00	0.00E+00	2.15E-04
4.00E+03	2.46E-05	0.00E+00	0.00E+00	0.00E+00	2.46E-05
5.00E+03	2.81E-06	0.00E+00	0.00E+00	0.00E+00	2.81E-06
6.00E+03	3.21E-07	0.00E+00	0.00E+00	0.00E+00	3.21E-07
7.00E+03	3.66E-08	0.00E+00	0.00E+00	0.00E+00	3.66E-08

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		3.64E-02		6.07E-05
2.00E-01		7.34E-02		7.40E-04
3.00E-01		1.05E-01		2.63E-03
4.00E-01		1.33E-01		5.90E-03
5.00E-01		1.57E-01		1.04E-02
6.00E-01		1.78E-01		1.60E-02
7.00E-01		1.96E-01		2.23E-02
8.00E-01		2.12E-01		2.92E-02
9.00E-01		2.26E-01		3.63E-02
1.00E+00	2.39E-01	2.39E-01	4.36E-02	4.36E-02
2.00E+00	6.80E-02	3.06E-01	6.15E-02	1.05E-01
3.00E+00	2.08E-02	3.26E-01	3.10E-02	1.36E-01
4.00E+00	6.27E-03	3.32E-01	1.27E-02	1.48E-01
5.00E+00	1.85E-03	3.33E-01	4.88E-03	1.53E-01
6.00E+00	5.39E-04	3.33E-01	1.82E-03	1.54E-01
7.00E+00	1.59E-04	3.32E-01	6.75E-04	1.55E-01
8.00E+00	5.15E-05	3.32E-01	2.49E-04	1.55E-01
9.00E+00	2.13E-05	3.31E-01	9.14E-05	1.54E-01
1.00E+01	1.29E-05	3.30E-01	3.36E-05	1.54E-01
2.00E+01	9.59E-06	3.24E-01	0.00E+00	1.51E-01
3.00E+01	9.38E-06	3.17E-01	0.00E+00	1.48E-01
4.00E+01	9.18E-06	3.10E-01	0.00E+00	1.45E-01
5.00E+01	8.99E-06	3.04E-01	0.00E+00	1.42E-01
6.00E+01	8.79E-06	2.98E-01	0.00E+00	1.39E-01
7.00E+01	8.60E-06	2.92E-01	0.00E+00	1.36E-01
8.00E+01	8.42E-06	2.86E-01	0.00E+00	1.33E-01
9.00E+01	8.24E-06	2.80E-01	0.00E+00	1.30E-01
1.00E+02	8.06E-06	2.74E-01	0.00E+00	1.28E-01
2.00E+02	6.49E-06	2.23E-01	0.00E+00	1.03E-01
3.00E+02	5.22E-06	1.81E-01	0.00E+00	8.38E-02
4.00E+02	4.21E-06	1.47E-01	0.00E+00	6.79E-02
5.00E+02	3.38E-06	1.20E-01	0.00E+00	5.51E-02
6.00E+02	2.72E-06	9.73E-02	0.00E+00	4.46E-02
7.00E+02	2.19E-06	7.91E-02	0.00E+00	3.62E-02
8.00E+02	1.77E-06	6.43E-02	0.00E+00	2.93E-02
9.00E+02	1.42E-06	5.22E-02	0.00E+00	2.38E-02
1.00E+03	1.14E-06	4.25E-02	0.00E+00	1.93E-02
2.00E+03	1.31E-07	5.33E-03	0.00E+00	2.36E-03
3.00E+03	1.49E-08	6.68E-04	0.00E+00	2.89E-04

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	2.51E-01	2.25E-01	3.02E-04	1.51E-01	6.28E-01
2.00E-01	2.69E-01	2.00E-01	2.94E-07	1.46E-01	6.15E-01
3.00E-01	2.81E-01	1.78E-01	0.00E+00	1.42E-01	6.01E-01
4.00E-01	2.90E-01	1.58E-01	0.00E+00	1.37E-01	5.86E-01
5.00E-01	2.97E-01	1.41E-01	0.00E+00	1.32E-01	5.70E-01
6.00E-01	3.02E-01	1.25E-01	0.00E+00	1.26E-01	5.54E-01
7.00E-01	3.06E-01	1.11E-01	0.00E+00	1.20E-01	5.37E-01
8.00E-01	3.09E-01	9.87E-02	0.00E+00	1.13E-01	5.21E-01
9.00E-01	3.11E-01	8.76E-02	0.00E+00	1.07E-01	5.05E-01
1.00E+00	3.12E-01	7.77E-02	0.00E+00	9.98E-02	4.89E-01
2.00E+00	2.99E-01	2.30E-02	0.00E+00	4.42E-02	3.66E-01
3.00E+00	2.75E-01	6.62E-03	0.00E+00	1.72E-02	2.98E-01
4.00E+00	2.51E-01	1.86E-03	0.00E+00	6.36E-03	2.60E-01
5.00E+00	2.31E-01	5.12E-04	0.00E+00	2.31E-03	2.34E-01
6.00E+00	2.13E-01	1.39E-04	0.00E+00	8.34E-04	2.14E-01
7.00E+00	1.97E-01	3.75E-05	0.00E+00	3.00E-04	1.98E-01
8.00E+00	1.83E-01	1.00E-05	0.00E+00	1.08E-04	1.83E-01
9.00E+00	1.71E-01	2.65E-06	0.00E+00	3.87E-05	1.71E-01
1.00E+01	1.59E-01	6.98E-07	0.00E+00	1.39E-05	1.59E-01
2.00E+01	9.08E-02	0.00E+00	0.00E+00	0.00E+00	9.08E-02
3.00E+01	5.98E-02	0.00E+00	0.00E+00	0.00E+00	5.98E-02
4.00E+01	4.20E-02	0.00E+00	0.00E+00	0.00E+00	4.20E-02
5.00E+01	3.02E-02	0.00E+00	0.00E+00	0.00E+00	3.02E-02
6.00E+01	2.19E-02	0.00E+00	0.00E+00	0.00E+00	2.19E-02
7.00E+01	1.59E-02	0.00E+00	0.00E+00	0.00E+00	1.59E-02
8.00E+01	1.16E-02	0.00E+00	0.00E+00	0.00E+00	1.16E-02
9.00E+01	8.46E-03	0.00E+00	0.00E+00	0.00E+00	8.46E-03
1.00E+02	6.19E-03	0.00E+00	0.00E+00	0.00E+00	6.19E-03
2.00E+02	2.93E-04	0.00E+00	0.00E+00	0.00E+00	2.93E-04
3.00E+02	1.62E-05	0.00E+00	0.00E+00	0.00E+00	1.62E-05
4.00E+02	1.02E-06	0.00E+00	0.00E+00	0.00E+00	1.02E-06
5.00E+02	7.08E-08	0.00E+00	0.00E+00	0.00E+00	7.08E-08

CLASS D AMAD = 1 MICRON

HALFLIFE= 2.77E+01 DAYS

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TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		9.33E-03		5.99E-05
2.00E-01		2.02E-02		7.21E-04
3.00E-01		3.10E-02		2.53E-03
4.00E-01		4.14E-02		5.62E-03
5.00E-01		5.14E-02		9.83E-03
6.00E-01		6.10E-02		1.49E-02
7.00E-01		7.01E-02		2.07E-02
8.00E-01		7.88E-02		2.69E-02
9.00E-01		8.69E-02		3.32E-02
1.00E+00	9.46E-02	9.46E-02	3.97E-02	3.97E-02
2.00E+00	5.76E-02	1.50E-01	5.32E-02	9.19E-02
3.00E+00	3.28E-02	1.79E-01	2.60E-02	1.16E-01
4.00E+00	2.10E-02	1.96E-01	1.04E-02	1.23E-01
5.00E+00	1.55E-02	2.06E-01	3.89E-03	1.24E-01
6.00E+00	1.26E-02	2.14E-01	1.42E-03	1.22E-01
7.00E+00	1.07E-02	2.19E-01	5.13E-04	1.20E-01
8.00E+00	9.25E-03	2.23E-01	1.85E-04	1.17E-01
9.00E+00	8.08E-03	2.25E-01	6.64E-05	1.14E-01
1.00E+01	7.09E-03	2.27E-01	2.38E-05	1.11E-01
2.00E+01	2.10E-03	2.10E-01	0.00E+00	8.68E-02
3.00E+01	7.77E-04	1.74E-01	0.00E+00	6.76E-02
4.00E+01	3.79E-04	1.40E-01	0.00E+00	5.26E-02
5.00E+01	2.28E-04	1.12E-01	0.00E+00	4.10E-02
6.00E+01	1.53E-04	8.87E-02	0.00E+00	3.19E-02
7.00E+01	1.07E-04	7.02E-02	0.00E+00	2.48E-02
8.00E+01	7.57E-05	5.54E-02	0.00E+00	1.93E-02
9.00E+01	5.40E-05	4.37E-02	0.00E+00	1.51E-02
1.00E+02	3.86E-05	3.45E-02	0.00E+00	1.17E-02
2.00E+02	1.38E-06	3.04E-03	0.00E+00	9.60E-04
3.00E+02	5.18E-08	2.57E-04	0.00E+00	7.87E-05

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	2.52E-01	2.26E-01	3.03E-04	1.52E-01	6.30E-01
2.00E-01	2.70E-01	2.01E-01	2.96E-07	1.47E-01	6.18E-01
3.00E-01	2.83E-01	1.79E-01	0.00E+00	1.43E-01	6.05E-01
4.00E-01	2.93E-01	1.60E-01	0.00E+00	1.38E-01	5.92E-01
5.00E-01	3.01E-01	1.43E-01	0.00E+00	1.33E-01	5.77E-01
6.00E-01	3.07E-01	1.27E-01	0.00E+00	1.28E-01	5.62E-01
7.00E-01	3.12E-01	1.13E-01	0.00E+00	1.22E-01	5.47E-01
8.00E-01	3.15E-01	1.01E-01	0.00E+00	1.16E-01	5.31E-01
9.00E-01	3.18E-01	8.96E-02	0.00E+00	1.09E-01	5.16E-01
1.00E+00	3.19E-01	7.97E-02	0.00E+00	1.02E-01	5.01E-01
2.00E+00	3.14E-01	2.42E-02	0.00E+00	4.65E-02	3.85E-01
3.00E+00	2.96E-01	7.13E-03	0.00E+00	1.85E-02	3.22E-01
4.00E+00	2.78E-01	2.05E-03	0.00E+00	7.03E-03	2.87E-01
5.00E+00	2.62E-01	5.81E-04	0.00E+00	2.62E-03	2.65E-01
6.00E+00	2.48E-01	1.62E-04	0.00E+00	9.69E-04	2.49E-01
7.00E+00	2.35E-01	4.47E-05	0.00E+00	3.57E-04	2.35E-01
8.00E+00	2.24E-01	1.22E-05	0.00E+00	1.32E-04	2.24E-01
9.00E+00	2.14E-01	3.32E-06	0.00E+00	4.84E-05	2.14E-01
1.00E+01	2.05E-01	8.96E-07	0.00E+00	1.78E-05	2.05E-01
2.00E+01	1.50E-01	0.00E+00	0.00E+00	0.00E+00	1.50E-01
3.00E+01	1.27E-01	0.00E+00	0.00E+00	0.00E+00	1.27E-01
4.00E+01	1.14E-01	0.00E+00	0.00E+00	0.00E+00	1.14E-01
5.00E+01	1.05E-01	0.00E+00	0.00E+00	0.00E+00	1.05E-01
6.00E+01	9.80E-02	0.00E+00	0.00E+00	0.00E+00	9.80E-02
7.00E+01	9.16E-02	0.00E+00	0.00E+00	0.00E+00	9.16E-02
8.00E+01	8.58E-02	0.00E+00	0.00E+00	0.00E+00	8.58E-02
9.00E+01	8.04E-02	0.00E+00	0.00E+00	0.00E+00	8.04E-02
1.00E+02	7.55E-02	0.00E+00	0.00E+00	0.00E+00	7.55E-02
2.00E+02	4.36E-02	0.00E+00	0.00E+00	0.00E+00	4.36E-02
3.00E+02	2.94E-02	0.00E+00	0.00E+00	0.00E+00	2.94E-02
4.00E+02	2.27E-02	0.00E+00	0.00E+00	0.00E+00	2.27E-02
5.00E+02	1.92E-02	0.00E+00	0.00E+00	0.00E+00	1.92E-02
6.00E+02	1.71E-02	0.00E+00	0.00E+00	0.00E+00	1.71E-02
7.00E+02	1.56E-02	0.00E+00	0.00E+00	0.00E+00	1.56E-02
8.00E+02	1.44E-02	0.00E+00	0.00E+00	0.00E+00	1.44E-02
9.00E+02	1.33E-02	0.00E+00	0.00E+00	0.00E+00	1.33E-02
1.00E+03	1.24E-02	0.00E+00	0.00E+00	0.00E+00	1.24E-02
2.00E+03	6.20E-03	0.00E+00	0.00E+00	0.00E+00	6.20E-03
4.00E+03	1.55E-03	0.00E+00	0.00E+00	0.00E+00	1.55E-03
8.00E+03	8.62E-05	0.00E+00	0.00E+00	0.00E+00	8.62E-05
1.00E+04	1.07E-05	0.00E+00	0.00E+00	0.00E+00	1.07E-05

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		9.36E-03		6.00E-05
2.00E-01		2.03E-02		7.24E-04
3.00E-01		3.12E-02		2.55E-03
4.00E-01		4.18E-02		5.67E-03
5.00E-01		5.21E-02		9.95E-03
6.00E-01		6.19E-02		1.52E-02
7.00E-01		7.14E-02		2.11E-02
8.00E-01		8.04E-02		2.74E-02
9.00E-01		8.89E-02		3.40E-02
1.00E+00	9.70E-02	9.70E-02	4.07E-02	4.07E-02
2.00E+00	6.05E-02	1.58E-01	5.59E-02	9.66E-02
3.00E+00	3.53E-02	1.93E-01	2.80E-02	1.25E-01
4.00E+00	2.32E-02	2.16E-01	1.15E-02	1.36E-01
5.00E+00	1.75E-02	2.34E-01	4.41E-03	1.40E-01
6.00E+00	1.46E-02	2.48E-01	1.65E-03	1.42E-01
7.00E+00	1.27E-02	2.61E-01	6.12E-04	1.43E-01
8.00E+00	1.13E-02	2.72E-01	2.26E-04	1.43E-01
9.00E+00	1.01E-02	2.82E-01	8.32E-05	1.43E-01
1.00E+01	9.11E-03	2.91E-01	3.06E-05	1.43E-01
2.00E+01	3.46E-03	3.46E-01	0.00E+00	1.43E-01
3.00E+01	1.65E-03	3.69E-01	0.00E+00	1.43E-01
4.00E+01	1.03E-03	3.82E-01	0.00E+00	1.43E-01
5.00E+01	7.97E-04	3.91E-01	0.00E+00	1.43E-01
6.00E+01	6.85E-04	3.98E-01	0.00E+00	1.43E-01
7.00E+01	6.15E-04	4.04E-01	0.00E+00	1.43E-01
8.00E+01	5.60E-04	4.10E-01	0.00E+00	1.43E-01
9.00E+01	5.13E-04	4.16E-01	0.00E+00	1.43E-01
1.00E+02	4.72E-04	4.21E-01	0.00E+00	1.43E-01
2.00E+02	2.06E-04	4.52E-01	0.00E+00	1.43E-01
3.00E+02	9.43E-05	4.67E-01	0.00E+00	1.43E-01
4.00E+02	4.65E-05	4.73E-01	0.00E+00	1.43E-01
5.00E+02	2.59E-05	4.77E-01	0.00E+00	1.43E-01
6.00E+02	1.67E-05	4.79E-01	0.00E+00	1.43E-01
7.00E+02	1.24E-05	4.80E-01	0.00E+00	1.43E-01
8.00E+02	1.01E-05	4.82E-01	0.00E+00	1.43E-01
9.00E+02	8.75E-06	4.83E-01	0.00E+00	1.43E-01
1.00E+03	7.77E-06	4.84E-01	0.00E+00	1.43E-01
2.00E+03	2.27E-06	4.90E-01	0.00E+00	1.43E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	2.60E-01	2.26E-01	3.03E-04	1.52E-01	6.38E-01
2.00E-01	2.87E-01	2.01E-01	2.96E-07	1.47E-01	6.35E-01
3.00E-01	3.10E-01	1.79E-01	0.00E+00	1.43E-01	6.32E-01
4.00E-01	3.28E-01	1.60E-01	0.00E+00	1.38E-01	6.26E-01
5.00E-01	3.44E-01	1.43E-01	0.00E+00	1.33E-01	6.20E-01
6.00E-01	3.58E-01	1.27E-01	0.00E+00	1.28E-01	6.13E-01
7.00E-01	3.70E-01	1.13E-01	0.00E+00	1.22E-01	6.05E-01
8.00E-01	3.80E-01	1.01E-01	0.00E+00	1.16E-01	5.96E-01
9.00E-01	3.88E-01	8.96E-02	0.00E+00	1.09E-01	5.87E-01
1.00E+00	3.96E-01	7.97E-02	0.00E+00	1.02E-01	5.78E-01
2.00E+00	4.27E-01	2.42E-02	0.00E+00	4.65E-02	4.98E-01
3.00E+00	4.21E-01	7.13E-03	0.00E+00	1.85E-02	4.47E-01
4.00E+00	4.06E-01	2.05E-03	0.00E+00	7.03E-03	4.15E-01
5.00E+00	3.89E-01	5.81E-04	0.00E+00	2.62E-03	3.92E-01
6.00E+00	3.73E-01	1.62E-04	0.00E+00	9.69E-04	3.74E-01
7.00E+00	3.58E-01	4.47E-05	0.00E+00	3.57E-04	3.59E-01
8.00E+00	3.45E-01	1.22E-05	0.00E+00	1.32E-04	3.45E-01
9.00E+00	3.34E-01	3.32E-06	0.00E+00	4.84E-05	3.34E-01
1.00E+01	3.23E-01	8.96E-07	0.00E+00	1.78E-05	3.23E-01
2.00E+01	2.53E-01	0.00E+00	0.00E+00	0.00E+00	2.53E-01
3.00E+01	2.09E-01	0.00E+00	0.00E+00	0.00E+00	2.09E-01
4.00E+01	1.75E-01	0.00E+00	0.00E+00	0.00E+00	1.75E-01
5.00E+01	1.47E-01	0.00E+00	0.00E+00	0.00E+00	1.47E-01
6.00E+01	1.24E-01	0.00E+00	0.00E+00	0.00E+00	1.24E-01
7.00E+01	1.04E-01	0.00E+00	0.00E+00	0.00E+00	1.04E-01
8.00E+01	8.75E-02	0.00E+00	0.00E+00	0.00E+00	8.75E-02
9.00E+01	7.36E-02	0.00E+00	0.00E+00	0.00E+00	7.36E-02
1.00E+02	6.19E-02	0.00E+00	0.00E+00	0.00E+00	6.19E-02
2.00E+02	1.09E-02	0.00E+00	0.00E+00	0.00E+00	1.09E-02
3.00E+02	1.94E-03	0.00E+00	0.00E+00	0.00E+00	1.94E-03
4.00E+02	3.42E-04	0.00E+00	0.00E+00	0.00E+00	3.42E-04
5.00E+02	6.05E-05	0.00E+00	0.00E+00	0.00E+00	6.05E-05
6.00E+02	1.07E-05	0.00E+00	0.00E+00	0.00E+00	1.07E-05
7.00E+02	1.89E-06	0.00E+00	0.00E+00	0.00E+00	1.89E-06
8.00E+02	3.34E-07	0.00E+00	0.00E+00	0.00E+00	3.34E-07
9.00E+02	5.83E-08	0.00E+00	0.00E+00	0.00E+00	5.83E-08

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		1.35E-03		6.00E-05
2.00E-01		3.09E-03		7.24E-04
3.00E-01		4.97E-03		2.55E-03
4.00E-01		6.97E-03		5.67E-03
5.00E-01		9.06E-03		9.95E-03
6.00E-01		1.12E-02		1.52E-02
7.00E-01		1.35E-02		2.11E-02
8.00E-01		1.57E-02		2.74E-02
9.00E-01		1.81E-02		3.40E-02
1.00E+00	2.04E-02	2.04E-02	4.07E-02	4.07E-02
2.00E+00	2.42E-02	4.46E-02	5.59E-02	9.66E-02
3.00E+00	2.30E-02	6.77E-02	2.80E-02	1.25E-01
4.00E+00	2.08E-02	8.84E-02	1.15E-02	1.36E-01
5.00E+00	1.84E-02	1.07E-01	4.41E-03	1.40E-01
6.00E+00	1.63E-02	1.23E-01	1.65E-03	1.42E-01
7.00E+00	1.45E-02	1.38E-01	6.12E-04	1.43E-01
8.00E+00	1.30E-02	1.51E-01	2.26E-04	1.43E-01
9.00E+00	1.17E-02	1.62E-01	8.32E-05	1.43E-01
1.00E+01	1.06E-02	1.73E-01	3.06E-05	1.43E-01
2.00E+01	5.29E-03	2.43E-01	0.00E+00	1.43E-01
3.00E+01	3.81E-03	2.87E-01	0.00E+00	1.43E-01
4.00E+01	3.09E-03	3.21E-01	0.00E+00	1.43E-01
5.00E+01	2.58E-03	3.49E-01	0.00E+00	1.43E-01
6.00E+01	2.16E-03	3.72E-01	0.00E+00	1.43E-01
7.00E+01	1.82E-03	3.92E-01	0.00E+00	1.43E-01
8.00E+01	1.53E-03	4.09E-01	0.00E+00	1.43E-01
9.00E+01	1.29E-03	4.22E-01	0.00E+00	1.43E-01
1.00E+02	1.08E-03	4.34E-01	0.00E+00	1.43E-01
2.00E+02	1.91E-04	4.85E-01	0.00E+00	1.43E-01
3.00E+02	3.38E-05	4.94E-01	0.00E+00	1.43E-01
4.00E+02	5.98E-06	4.96E-01	0.00E+00	1.43E-01
5.00E+02	1.06E-06	4.96E-01	0.00E+00	1.43E-01
6.00E+02	1.87E-07	4.96E-01	0.00E+00	1.43E-01
7.00E+02	3.31E-08	4.96E-01	0.00E+00	1.43E-01

CLASS D

AMAD = 1 MICRON

HALFLIFE= 3.13E+02 DAYS

MANGANESE 54

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	2.60E-01	2.26E-01	3.03E-04	1.52E-01	6.38E-01
2.00E-01	2.87E-01	2.01E-01	2.95E-07	1.47E-01	6.35E-01
3.00E-01	3.09E-01	1.79E-01	0.00E+00	1.42E-01	6.31E-01
4.00E-01	3.28E-01	1.60E-01	0.00E+00	1.38E-01	6.26E-01
5.00E-01	3.44E-01	1.42E-01	0.00E+00	1.33E-01	6.19E-01
6.00E-01	3.57E-01	1.27E-01	0.00E+00	1.28E-01	6.12E-01
7.00E-01	3.69E-01	1.13E-01	0.00E+00	1.22E-01	6.04E-01
8.00E-01	3.79E-01	1.00E-01	0.00E+00	1.15E-01	5.95E-01
9.00E-01	3.88E-01	8.94E-02	0.00E+00	1.09E-01	5.86E-01
1.00E+00	3.95E-01	7.95E-02	0.00E+00	1.02E-01	5.77E-01
2.00E+00	4.25E-01	2.41E-02	0.00E+00	4.63E-02	4.96E-01
3.00E+00	4.18E-01	7.08E-03	0.00E+00	1.84E-02	4.44E-01
4.00E+00	4.02E-01	2.03E-03	0.00E+00	6.96E-03	4.11E-01
5.00E+00	3.84E-01	5.74E-04	0.00E+00	2.59E-03	3.88E-01
6.00E+00	3.68E-01	1.60E-04	0.00E+00	9.56E-04	3.69E-01
7.00E+00	3.53E-01	4.40E-05	0.00E+00	3.52E-04	3.53E-01
8.00E+00	3.39E-01	1.20E-05	0.00E+00	1.29E-04	3.39E-01
9.00E+00	3.27E-01	3.26E-06	0.00E+00	4.75E-05	3.27E-01
1.00E+01	3.16E-01	8.77E-07	0.00E+00	1.74E-05	3.16E-01
2.00E+01	2.42E-01	0.00E+00	0.00E+00	0.00E+00	2.42E-01
3.00E+01	1.96E-01	0.00E+00	0.00E+00	0.00E+00	1.96E-01
4.00E+01	1.60E-01	0.00E+00	0.00E+00	0.00E+00	1.60E-01
5.00E+01	1.32E-01	0.00E+00	0.00E+00	0.00E+00	1.32E-01
6.00E+01	1.08E-01	0.00E+00	0.00E+00	0.00E+00	1.08E-01
7.00E+01	8.91E-02	0.00E+00	0.00E+00	0.00E+00	8.91E-02
8.00E+01	7.33E-02	0.00E+00	0.00E+00	0.00E+00	7.33E-02
9.00E+01	6.03E-02	0.00E+00	0.00E+00	0.00E+00	6.03E-02
1.00E+02	4.96E-02	0.00E+00	0.00E+00	0.00E+00	4.96E-02
2.00E+02	7.02E-03	0.00E+00	0.00E+00	0.00E+00	7.02E-03
3.00E+02	9.95E-04	0.00E+00	0.00E+00	0.00E+00	9.95E-04
4.00E+02	1.41E-04	0.00E+00	0.00E+00	0.00E+00	1.41E-04
5.00E+02	2.00E-05	0.00E+00	0.00E+00	0.00E+00	2.00E-05
6.00E+02	2.83E-06	0.00E+00	0.00E+00	0.00E+00	2.83E-06
7.00E+02	4.01E-07	0.00E+00	0.00E+00	0.00E+00	4.01E-07
8.00E+02	5.66E-08	0.00E+00	0.00E+00	0.00E+00	5.66E-08

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		1.35E-03		6.00E-05
2.00E-01		3.09E-03		7.24E-04
3.00E-01		4.97E-03		2.55E-03
4.00E-01		6.96E-03		5.67E-03
5.00E-01		9.05E-03		9.94E-03
6.00E-01		1.12E-02		1.51E-02
7.00E-01		1.34E-02		2.10E-02
8.00E-01		1.57E-02		2.74E-02
9.00E-01		1.80E-02		3.39E-02
1.00E+00	2.04E-02	2.04E-02	4.06E-02	4.06E-02
2.00E+00	2.41E-02	4.44E-02	5.57E-02	9.62E-02
3.00E+00	2.29E-02	6.72E-02	2.78E-02	1.24E-01
4.00E+00	2.06E-02	8.76E-02	1.14E-02	1.35E-01
5.00E+00	1.82E-02	1.06E-01	4.36E-03	1.39E-01
6.00E+00	1.61E-02	1.22E-01	1.63E-03	1.40E-01
7.00E+00	1.43E-02	1.36E-01	6.02E-04	1.41E-01
8.00E+00	1.28E-02	1.48E-01	2.22E-04	1.40E-01
9.00E+00	1.15E-02	1.59E-01	8.15E-05	1.40E-01
1.00E+01	1.03E-02	1.69E-01	2.99E-05	1.40E-01
2.00E+01	5.06E-03	2.33E-01	0.00E+00	1.37E-01
3.00E+01	3.56E-03	2.69E-01	0.00E+00	1.34E-01
4.00E+01	2.83E-03	2.94E-01	0.00E+00	1.31E-01
5.00E+01	2.31E-03	3.12E-01	0.00E+00	1.28E-01
6.00E+01	1.89E-03	3.26E-01	0.00E+00	1.25E-01
7.00E+01	1.56E-03	3.36E-01	0.00E+00	1.23E-01
8.00E+01	1.28E-03	3.42E-01	0.00E+00	1.20E-01
9.00E+01	1.05E-03	3.46E-01	0.00E+00	1.17E-01
1.00E+02	8.66E-04	3.48E-01	0.00E+00	1.15E-01
2.00E+02	1.23E-04	3.11E-01	0.00E+00	9.18E-02
3.00E+02	1.74E-05	2.54E-01	0.00E+00	7.36E-02
4.00E+02	2.46E-06	2.04E-01	0.00E+00	5.89E-02
5.00E+02	3.49E-07	1.64E-01	0.00E+00	4.72E-02
6.00E+02	4.94E-08	1.31E-01	0.00E+00	3.78E-02

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	2.61E-01	2.26E-01	3.03E-04	1.52E-01	6.39E-01
2.00E-01	2.90E-01	2.01E-01	2.96E-07	1.47E-01	6.38E-01
3.00E-01	3.14E-01	1.79E-01	0.00E+00	1.43E-01	6.36E-01
4.00E-01	3.35E-01	1.60E-01	0.00E+00	1.38E-01	6.33E-01
5.00E-01	3.53E-01	1.43E-01	0.00E+00	1.33E-01	6.29E-01
6.00E-01	3.69E-01	1.27E-01	0.00E+00	1.28E-01	6.24E-01
7.00E-01	3.83E-01	1.13E-01	0.00E+00	1.22E-01	6.18E-01
8.00E-01	3.95E-01	1.01E-01	0.00E+00	1.16E-01	6.11E-01
9.00E-01	4.06E-01	8.95E-02	0.00E+00	1.09E-01	6.05E-01
1.00E+00	4.16E-01	7.96E-02	0.00E+00	1.02E-01	5.98E-01
2.00E+00	4.71E-01	2.42E-02	0.00E+00	4.64E-02	5.41E-01
3.00E+00	4.87E-01	7.12E-03	0.00E+00	1.85E-02	5.13E-01
4.00E+00	4.92E-01	2.05E-03	0.00E+00	7.01E-03	5.01E-01
5.00E+00	4.93E-01	5.79E-04	0.00E+00	2.61E-03	4.96E-01
6.00E+00	4.93E-01	1.61E-04	0.00E+00	9.65E-04	4.94E-01
7.00E+00	4.92E-01	4.45E-05	0.00E+00	3.56E-04	4.93E-01
8.00E+00	4.92E-01	1.22E-05	0.00E+00	1.31E-04	4.92E-01
9.00E+00	4.91E-01	3.30E-06	0.00E+00	4.81E-05	4.91E-01
1.00E+01	4.91E-01	8.90E-07	0.00E+00	1.77E-05	4.91E-01
2.00E+01	4.86E-01	0.00E+00	0.00E+00	0.00E+00	4.86E-01
3.00E+01	4.81E-01	0.00E+00	0.00E+00	0.00E+00	4.81E-01
4.00E+01	4.76E-01	0.00E+00	0.00E+00	0.00E+00	4.76E-01
5.00E+01	4.71E-01	0.00E+00	0.00E+00	0.00E+00	4.71E-01
6.00E+01	4.66E-01	0.00E+00	0.00E+00	0.00E+00	4.66E-01
7.00E+01	4.61E-01	0.00E+00	0.00E+00	0.00E+00	4.61E-01
8.00E+01	4.56E-01	0.00E+00	0.00E+00	0.00E+00	4.56E-01
9.00E+01	4.51E-01	0.00E+00	0.00E+00	0.00E+00	4.51E-01
1.00E+02	4.47E-01	0.00E+00	0.00E+00	0.00E+00	4.47E-01
2.00E+02	4.02E-01	0.00E+00	0.00E+00	0.00E+00	4.02E-01
3.00E+02	3.62E-01	0.00E+00	0.00E+00	0.00E+00	3.62E-01
4.00E+02	3.26E-01	0.00E+00	0.00E+00	0.00E+00	3.26E-01
5.00E+02	2.94E-01	0.00E+00	0.00E+00	0.00E+00	2.94E-01
6.00E+02	2.64E-01	0.00E+00	0.00E+00	0.00E+00	2.64E-01
7.00E+02	2.38E-01	0.00E+00	0.00E+00	0.00E+00	2.38E-01
8.00E+02	2.14E-01	0.00E+00	0.00E+00	0.00E+00	2.14E-01
9.00E+02	1.93E-01	0.00E+00	0.00E+00	0.00E+00	1.93E-01
1.00E+03	1.74E-01	0.00E+00	0.00E+00	0.00E+00	1.74E-01
2.00E+03	6.08E-02	0.00E+00	0.00E+00	0.00E+00	6.08E-02
3.00E+03	2.13E-02	0.00E+00	0.00E+00	0.00E+00	2.13E-02
4.00E+03	7.44E-03	0.00E+00	0.00E+00	0.00E+00	7.44E-03
5.00E+03	2.61E-03	0.00E+00	0.00E+00	0.00E+00	2.61E-03
6.00E+03	9.12E-04	0.00E+00	0.00E+00	0.00E+00	9.12E-04
7.00E+03	3.19E-04	0.00E+00	0.00E+00	0.00E+00	3.19E-04
8.00E+03	1.12E-04	0.00E+00	0.00E+00	0.00E+00	1.12E-04
9.00E+03	3.91E-05	0.00E+00	0.00E+00	0.00E+00	3.91E-05
1.00E+04	1.37E-05	0.00E+00	0.00E+00	0.00E+00	1.37E-05

CLASS D

AMAD = 1 MICRON

HALFLIFE= 9.86E+02 DAYS

IRON 55

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		7.36E-06		6.00E-05
2.00E-01		1.69E-05		7.24E-04
3.00E-01		2.74E-05		2.55E-03
4.00E-01		3.87E-05		5.67E-03
5.00E-01		5.06E-05		9.95E-03
6.00E-01		6.31E-05		1.52E-02
7.00E-01		7.61E-05		2.10E-02
8.00E-01		8.96E-05		2.74E-02
9.00E-01		1.03E-04		3.40E-02
1.00E+00	1.18E-04	1.18E-04	4.07E-02	4.07E-02
2.00E+00	1.55E-04	2.73E-04	5.58E-02	9.65E-02
3.00E+00	1.67E-04	4.39E-04	2.79E-02	1.24E-01
4.00E+00	1.70E-04	6.09E-04	1.14E-02	1.36E-01
5.00E+00	1.71E-04	7.79E-04	4.39E-03	1.40E-01
6.00E+00	1.71E-04	9.49E-04	1.64E-03	1.42E-01
7.00E+00	1.71E-04	1.12E-03	6.09E-04	1.42E-01
8.00E+00	1.70E-04	1.29E-03	2.25E-04	1.42E-01
9.00E+00	1.70E-04	1.46E-03	8.26E-05	1.42E-01
1.00E+01	1.70E-04	1.63E-03	3.04E-05	1.42E-01
2.00E+01	1.68E-04	3.30E-03	0.00E+00	1.41E-01
3.00E+01	1.67E-04	4.95E-03	0.00E+00	1.40E-01
4.00E+01	1.65E-04	6.56E-03	0.00E+00	1.39E-01
5.00E+01	1.63E-04	8.15E-03	0.00E+00	1.38E-01
6.00E+01	1.61E-04	9.71E-03	0.00E+00	1.37E-01
7.00E+01	1.60E-04	1.12E-02	0.00E+00	1.36E-01
8.00E+01	1.58E-04	1.27E-02	0.00E+00	1.35E-01
9.00E+01	1.56E-04	1.42E-02	0.00E+00	1.34E-01
1.00E+02	1.55E-04	1.57E-02	0.00E+00	1.33E-01
2.00E+02	1.39E-04	2.88E-02	0.00E+00	1.24E-01
3.00E+02	1.25E-04	3.96E-02	0.00E+00	1.16E-01
4.00E+02	1.13E-04	4.84E-02	0.00E+00	1.08E-01
5.00E+02	1.02E-04	5.55E-02	0.00E+00	1.01E-01
6.00E+02	9.16E-05	6.10E-02	0.00E+00	9.38E-02
7.00E+02	8.25E-05	6.53E-02	0.00E+00	8.75E-02
8.00E+02	7.42E-05	6.84E-02	0.00E+00	8.15E-02
9.00E+02	6.68E-05	7.05E-02	0.00E+00	7.60E-02
1.00E+03	6.02E-05	7.19E-02	0.00E+00	7.08E-02
2.00E+03	2.11E-05	6.07E-02	0.00E+00	3.51E-02
3.00E+03	7.37E-06	3.89E-02	0.00E+00	1.73E-02
4.00E+03	2.58E-06	2.23E-02	0.00E+00	8.59E-03
5.00E+03	9.03E-07	1.21E-02	0.00E+00	4.25E-03
7.00E+03	1.11E-07	3.29E-03	0.00E+00	1.04E-03
8.00E+03	3.87E-08	1.67E-03	0.00E+00	5.15E-04
9.00E+03	1.35E-08	8.45E-04	0.00E+00	2.55E-04

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	2.61E-01	2.26E-01	3.03E-04	1.52E-01	6.39E-01
2.00E-01	2.90E-01	2.01E-01	2.96E-07	1.47E-01	6.38E-01
3.00E-01	3.14E-01	1.79E-01	0.00E+00	1.43E-01	6.37E-01
4.00E-01	3.35E-01	1.60E-01	0.00E+00	1.38E-01	6.33E-01
5.00E-01	3.53E-01	1.43E-01	0.00E+00	1.33E-01	6.29E-01
6.00E-01	3.69E-01	1.27E-01	0.00E+00	1.28E-01	6.24E-01
7.00E-01	3.83E-01	1.13E-01	0.00E+00	1.22E-01	6.18E-01
8.00E-01	3.95E-01	1.01E-01	0.00E+00	1.16E-01	6.12E-01
9.00E-01	4.06E-01	8.96E-02	0.00E+00	1.09E-01	6.05E-01
1.00E+00	4.16E-01	7.97E-02	0.00E+00	1.02E-01	5.98E-01
2.00E+00	4.72E-01	2.42E-02	0.00E+00	4.65E-02	5.42E-01
3.00E+00	4.88E-01	7.13E-03	0.00E+00	1.85E-02	5.14E-01
4.00E+00	4.93E-01	2.05E-03	0.00E+00	7.03E-03	5.02E-01
5.00E+00	4.95E-01	5.81E-04	0.00E+00	2.62E-03	4.98E-01
6.00E+00	4.95E-01	1.62E-04	0.00E+00	9.69E-04	4.96E-01
7.00E+00	4.95E-01	4.47E-05	0.00E+00	3.57E-04	4.95E-01
8.00E+00	4.95E-01	1.22E-05	0.00E+00	1.32E-04	4.95E-01
9.00E+00	4.95E-01	3.32E-06	0.00E+00	4.84E-05	4.95E-01
1.00E+01	4.94E-01	8.96E-07	0.00E+00	1.78E-05	4.94E-01
2.00E+01	4.93E-01	0.00E+00	0.00E+00	0.00E+00	4.93E-01
3.00E+01	4.91E-01	0.00E+00	0.00E+00	0.00E+00	4.91E-01
4.00E+01	4.89E-01	0.00E+00	0.00E+00	0.00E+00	4.89E-01
5.00E+01	4.88E-01	0.00E+00	0.00E+00	0.00E+00	4.88E-01
6.00E+01	4.86E-01	0.00E+00	0.00E+00	0.00E+00	4.86E-01
7.00E+01	4.84E-01	0.00E+00	0.00E+00	0.00E+00	4.84E-01
8.00E+01	4.83E-01	0.00E+00	0.00E+00	0.00E+00	4.83E-01
9.00E+01	4.81E-01	0.00E+00	0.00E+00	0.00E+00	4.81E-01
1.00E+02	4.79E-01	0.00E+00	0.00E+00	0.00E+00	4.79E-01
2.00E+02	4.63E-01	0.00E+00	0.00E+00	0.00E+00	4.63E-01
3.00E+02	4.47E-01	0.00E+00	0.00E+00	0.00E+00	4.47E-01
4.00E+02	4.32E-01	0.00E+00	0.00E+00	0.00E+00	4.32E-01
5.00E+02	4.17E-01	0.00E+00	0.00E+00	0.00E+00	4.17E-01
6.00E+02	4.03E-01	0.00E+00	0.00E+00	0.00E+00	4.03E-01
7.00E+02	3.89E-01	0.00E+00	0.00E+00	0.00E+00	3.89E-01
8.00E+02	3.76E-01	0.00E+00	0.00E+00	0.00E+00	3.76E-01
9.00E+02	3.63E-01	0.00E+00	0.00E+00	0.00E+00	3.63E-01
1.00E+03	3.51E-01	0.00E+00	0.00E+00	0.00E+00	3.51E-01
2.00E+03	2.48E-01	0.00E+00	0.00E+00	0.00E+00	2.48E-01
4.00E+03	1.24E-01	0.00E+00	0.00E+00	0.00E+00	1.24E-01
8.00E+03	3.10E-02	0.00E+00	0.00E+00	0.00E+00	3.10E-02
1.00E+04	1.55E-02	0.00E+00	0.00E+00	0.00E+00	1.55E-02
2.00E+04	4.85E-04	0.00E+00	0.00E+00	0.00E+00	4.85E-04

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		7.36E-06		6.00E-05
2.00E-01		1.69E-05		7.24E-04
3.00E-01		2.74E-05		2.55E-03
4.00E-01		3.87E-05		5.67E-03
5.00E-01		5.06E-05		9.95E-03
6.00E-01		6.31E-05		1.52E-02
7.00E-01		7.62E-05		2.11E-02
8.00E-01		8.97E-05		2.74E-02
9.00E-01		1.04E-04		3.40E-02
1.00E+00	1.18E-04	1.18E-04	4.07E-02	4.07E-02
2.00E+00	1.56E-04	2.73E-04	5.59E-02	9.66E-02
3.00E+00	1.67E-04	4.40E-04	2.80E-02	1.25E-01
4.00E+00	1.70E-04	6.11E-04	1.15E-02	1.36E-01
5.00E+00	1.71E-04	7.82E-04	4.41E-03	1.40E-01
6.00E+00	1.71E-04	9.53E-04	1.65E-03	1.42E-01
7.00E+00	1.71E-04	1.12E-03	6.12E-04	1.43E-01
8.00E+00	1.71E-04	1.30E-03	2.26E-04	1.43E-01
9.00E+00	1.71E-04	1.47E-03	8.32E-05	1.43E-01
1.00E+01	1.71E-04	1.64E-03	3.06E-05	1.43E-01
2.00E+01	1.71E-04	3.35E-03	0.00E+00	1.43E-01
3.00E+01	1.70E-04	5.05E-03	0.00E+00	1.43E-01
4.00E+01	1.70E-04	6.75E-03	0.00E+00	1.43E-01
5.00E+01	1.69E-04	8.44E-03	0.00E+00	1.43E-01
6.00E+01	1.68E-04	1.01E-02	0.00E+00	1.43E-01
7.00E+01	1.68E-04	1.18E-02	0.00E+00	1.43E-01
8.00E+01	1.67E-04	1.35E-02	0.00E+00	1.43E-01
9.00E+01	1.67E-04	1.52E-02	0.00E+00	1.43E-01
1.00E+02	1.66E-04	1.68E-02	0.00E+00	1.43E-01
2.00E+02	1.60E-04	3.31E-02	0.00E+00	1.43E-01
3.00E+02	1.55E-04	4.89E-02	0.00E+00	1.43E-01
4.00E+02	1.50E-04	6.41E-02	0.00E+00	1.43E-01
5.00E+02	1.45E-04	7.88E-02	0.00E+00	1.43E-01
6.00E+02	1.40E-04	9.30E-02	0.00E+00	1.43E-01
7.00E+02	1.35E-04	1.07E-01	0.00E+00	1.43E-01
8.00E+02	1.30E-04	1.20E-01	0.00E+00	1.43E-01
9.00E+02	1.26E-04	1.33E-01	0.00E+00	1.43E-01
1.00E+03	1.22E-04	1.45E-01	0.00E+00	1.43E-01
2.00E+03	8.60E-05	2.48E-01	0.00E+00	1.43E-01
4.00E+03	4.30E-05	3.72E-01	0.00E+00	1.43E-01
8.00E+03	1.08E-05	4.65E-01	0.00E+00	1.43E-01
1.00E+04	5.38E-06	4.81E-01	0.00E+00	1.43E-01
2.00E+04	1.68E-07	4.96E-01	0.00E+00	1.43E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	2.61E-01	2.25E-01	3.02E-04	1.52E-01	6.38E-01
2.00E-01	2.89E-01	2.01E-01	2.95E-07	1.46E-01	6.36E-01
3.00E-01	3.13E-01	1.79E-01	0.00E+00	1.42E-01	6.34E-01
4.00E-01	3.33E-01	1.59E-01	0.00E+00	1.37E-01	6.29E-01
5.00E-01	3.50E-01	1.41E-01	0.00E+00	1.32E-01	6.24E-01
6.00E-01	3.66E-01	1.26E-01	0.00E+00	1.27E-01	6.18E-01
7.00E-01	3.79E-01	1.12E-01	0.00E+00	1.21E-01	6.11E-01
8.00E-01	3.90E-01	9.94E-02	0.00E+00	1.14E-01	6.04E-01
9.00E-01	4.01E-01	8.83E-02	0.00E+00	1.07E-01	5.97E-01
1.00E+00	4.10E-01	7.85E-02	0.00E+00	1.01E-01	5.89E-01
2.00E+00	4.57E-01	2.35E-02	0.00E+00	4.51E-02	5.26E-01
3.00E+00	4.66E-01	6.81E-03	0.00E+00	1.77E-02	4.91E-01
4.00E+00	4.64E-01	1.93E-03	0.00E+00	6.60E-03	4.72E-01
5.00E+00	4.58E-01	5.37E-04	0.00E+00	2.42E-03	4.61E-01
6.00E+00	4.51E-01	1.48E-04	0.00E+00	8.83E-04	4.52E-01
7.00E+00	4.44E-01	4.01E-05	0.00E+00	3.20E-04	4.44E-01
8.00E+00	4.37E-01	1.08E-05	0.00E+00	1.16E-04	4.37E-01
9.00E+00	4.30E-01	2.89E-06	0.00E+00	4.21E-05	4.30E-01
1.00E+01	4.23E-01	7.67E-07	0.00E+00	1.53E-05	4.23E-01
2.00E+01	3.61E-01	0.00E+00	0.00E+00	0.00E+00	3.61E-01
3.00E+01	3.08E-01	0.00E+00	0.00E+00	0.00E+00	3.08E-01
4.00E+01	2.63E-01	0.00E+00	0.00E+00	0.00E+00	2.63E-01
5.00E+01	2.24E-01	0.00E+00	0.00E+00	0.00E+00	2.24E-01
6.00E+01	1.91E-01	0.00E+00	0.00E+00	0.00E+00	1.91E-01
7.00E+01	1.63E-01	0.00E+00	0.00E+00	0.00E+00	1.63E-01
8.00E+01	1.39E-01	0.00E+00	0.00E+00	0.00E+00	1.39E-01
9.00E+01	1.18E-01	0.00E+00	0.00E+00	0.00E+00	1.18E-01
1.00E+02	1.01E-01	0.00E+00	0.00E+00	0.00E+00	1.01E-01
2.00E+02	2.06E-02	0.00E+00	0.00E+00	0.00E+00	2.06E-02
3.00E+02	4.19E-03	0.00E+00	0.00E+00	0.00E+00	4.19E-03
4.00E+02	8.54E-04	0.00E+00	0.00E+00	0.00E+00	8.54E-04
5.00E+02	1.74E-04	0.00E+00	0.00E+00	0.00E+00	1.74E-04
6.00E+02	3.54E-05	0.00E+00	0.00E+00	0.00E+00	3.54E-05
7.00E+02	7.21E-06	0.00E+00	0.00E+00	0.00E+00	7.21E-06
8.00E+02	1.47E-06	0.00E+00	0.00E+00	0.00E+00	1.47E-06
9.00E+02	2.99E-07	0.00E+00	0.00E+00	0.00E+00	2.99E-07
1.00E+03	6.09E-08	0.00E+00	0.00E+00	0.00E+00	6.09E-08

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		7.35E-06		5.99E-05
2.00E-01		1.69E-05		7.22E-04
3.00E-01		2.73E-05		2.54E-03
4.00E-01		3.84E-05		5.64E-03
5.00E-01		5.02E-05		9.88E-03
6.00E-01		6.25E-05		1.50E-02
7.00E-01		7.53E-05		2.08E-02
8.00E-01		8.85E-05		2.71E-02
9.00E-01		1.02E-04		3.35E-02
1.00E+00	1.16E-04	1.16E-04	4.01E-02	4.01E-02
2.00E+00	1.51E-04	2.65E-04	5.42E-02	9.36E-02
3.00E+00	1.59E-04	4.20E-04	2.67E-02	1.19E-01
4.00E+00	1.60E-04	5.74E-04	1.08E-02	1.28E-01
5.00E+00	1.58E-04	7.23E-04	4.08E-03	1.30E-01
6.00E+00	1.56E-04	8.68E-04	1.50E-03	1.29E-01
7.00E+00	1.54E-04	1.01E-03	5.49E-04	1.28E-01
8.00E+00	1.51E-04	1.14E-03	1.99E-04	1.26E-01
9.00E+00	1.49E-04	1.28E-03	7.23E-05	1.24E-01
1.00E+01	1.47E-04	1.40E-03	2.62E-05	1.22E-01
2.00E+01	1.25E-04	2.45E-03	0.00E+00	1.05E-01
3.00E+01	1.07E-04	3.17E-03	0.00E+00	8.97E-02
4.00E+01	9.10E-05	3.62E-03	0.00E+00	7.68E-02
5.00E+01	7.76E-05	3.88E-03	0.00E+00	6.57E-02
6.00E+01	6.62E-05	3.98E-03	0.00E+00	5.62E-02
7.00E+01	5.64E-05	3.97E-03	0.00E+00	4.81E-02
8.00E+01	4.81E-05	3.88E-03	0.00E+00	4.12E-02
9.00E+01	4.11E-05	3.73E-03	0.00E+00	3.53E-02
1.00E+02	3.50E-05	3.55E-03	0.00E+00	3.02E-02
2.00E+02	7.13E-06	1.47E-03	0.00E+00	6.36E-03
3.00E+02	1.45E-06	4.58E-04	0.00E+00	1.34E-03
4.00E+02	2.96E-07	1.27E-04	0.00E+00	2.83E-04
5.00E+02	6.03E-08	3.29E-05	0.00E+00	5.96E-05
6.00E+02	1.23E-08	8.18E-06	0.00E+00	1.26E-05

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	2.22E-01	2.26E-01	3.03E-04	1.54E-01	6.02E-01
2.00E-01	2.11E-01	2.01E-01	2.96E-07	1.52E-01	5.64E-01
3.00E-01	2.01E-01	1.79E-01	0.00E+00	1.49E-01	5.30E-01
4.00E-01	1.93E-01	1.60E-01	0.00E+00	1.45E-01	4.98E-01
5.00E-01	1.86E-01	1.43E-01	0.00E+00	1.41E-01	4.69E-01
6.00E-01	1.80E-01	1.27E-01	0.00E+00	1.35E-01	4.42E-01
7.00E-01	1.75E-01	1.13E-01	0.00E+00	1.29E-01	4.17E-01
8.00E-01	1.71E-01	1.01E-01	0.00E+00	1.22E-01	3.94E-01
9.00E-01	1.68E-01	8.96E-02	0.00E+00	1.16E-01	3.73E-01
1.00E+00	1.65E-01	7.97E-02	0.00E+00	1.09E-01	3.53E-01
2.00E+00	1.52E-01	2.42E-02	0.00E+00	4.95E-02	2.25E-01
3.00E+00	1.48E-01	7.13E-03	0.00E+00	1.97E-02	1.75E-01
4.00E+00	1.47E-01	2.05E-03	0.00E+00	7.49E-03	1.56E-01
5.00E+00	1.46E-01	5.81E-04	0.00E+00	2.79E-03	1.50E-01
6.00E+00	1.46E-01	1.62E-04	0.00E+00	1.03E-03	1.47E-01
7.00E+00	1.46E-01	4.47E-05	0.00E+00	3.81E-04	1.46E-01
8.00E+00	1.46E-01	1.22E-05	0.00E+00	1.40E-04	1.46E-01
9.00E+00	1.46E-01	3.32E-06	0.00E+00	5.16E-05	1.46E-01
1.00E+01	1.46E-01	8.96E-07	0.00E+00	1.90E-05	1.46E-01
2.00E+01	1.45E-01	0.00E+00	0.00E+00	0.00E+00	1.45E-01
3.00E+01	1.44E-01	0.00E+00	0.00E+00	0.00E+00	1.44E-01
4.00E+01	1.43E-01	0.00E+00	0.00E+00	0.00E+00	1.43E-01
5.00E+01	1.42E-01	0.00E+00	0.00E+00	0.00E+00	1.42E-01
6.00E+01	1.41E-01	0.00E+00	0.00E+00	0.00E+00	1.41E-01
7.00E+01	1.41E-01	0.00E+00	0.00E+00	0.00E+00	1.41E-01
8.00E+01	1.40E-01	0.00E+00	0.00E+00	0.00E+00	1.40E-01
9.00E+01	1.39E-01	0.00E+00	0.00E+00	0.00E+00	1.39E-01
1.00E+02	1.38E-01	0.00E+00	0.00E+00	0.00E+00	1.38E-01
2.00E+02	1.30E-01	0.00E+00	0.00E+00	0.00E+00	1.30E-01
3.00E+02	1.23E-01	0.00E+00	0.00E+00	0.00E+00	1.23E-01
4.00E+02	1.16E-01	0.00E+00	0.00E+00	0.00E+00	1.16E-01
5.00E+02	1.10E-01	0.00E+00	0.00E+00	0.00E+00	1.10E-01
6.00E+02	1.04E-01	0.00E+00	0.00E+00	0.00E+00	1.04E-01
7.00E+02	9.78E-02	0.00E+00	0.00E+00	0.00E+00	9.78E-02
8.00E+02	9.23E-02	0.00E+00	0.00E+00	0.00E+00	9.23E-02
9.00E+02	8.71E-02	0.00E+00	0.00E+00	0.00E+00	8.71E-02
1.00E+03	8.22E-02	0.00E+00	0.00E+00	0.00E+00	8.22E-02
2.00E+03	4.61E-02	0.00E+00	0.00E+00	0.00E+00	4.61E-02
4.00E+03	1.45E-02	0.00E+00	0.00E+00	0.00E+00	1.45E-02
8.00E+03	1.44E-03	0.00E+00	0.00E+00	0.00E+00	1.44E-03
1.00E+04	4.55E-04	0.00E+00	0.00E+00	0.00E+00	4.55E-04
2.00E+04	1.42E-06	0.00E+00	0.00E+00	0.00E+00	1.42E-06

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		3.67E-02		6.04E-05
2.00E-01		7.43E-02		7.33E-04
3.00E-01		1.07E-01		2.60E-03
4.00E-01		1.35E-01		5.81E-03
5.00E-01		1.60E-01		1.02E-02
6.00E-01		1.81E-01		1.56E-02
7.00E-01		2.00E-01		2.18E-02
8.00E-01		2.16E-01		2.84E-02
9.00E-01		2.31E-01		3.54E-02
1.00E+00	2.43E-01	2.43E-01	4.24E-02	4.24E-02
2.00E+00	6.87E-02	3.12E-01	5.92E-02	1.02E-01
3.00E+00	2.09E-02	3.33E-01	2.98E-02	1.31E-01
4.00E+00	6.37E-03	3.39E-01	1.22E-02	1.44E-01
5.00E+00	1.94E-03	3.41E-01	4.70E-03	1.48E-01
6.00E+00	6.18E-04	3.42E-01	1.76E-03	1.50E-01
7.00E+00	2.35E-04	3.42E-01	6.52E-04	1.51E-01
8.00E+00	1.26E-04	3.42E-01	2.41E-04	1.51E-01
9.00E+00	9.58E-05	3.42E-01	8.87E-05	1.51E-01
1.00E+01	8.73E-05	3.42E-01	3.26E-05	1.51E-01
2.00E+01	8.36E-05	3.43E-01	0.00E+00	1.51E-01
3.00E+01	8.32E-05	3.44E-01	0.00E+00	1.51E-01
4.00E+01	8.27E-05	3.45E-01	0.00E+00	1.51E-01
5.00E+01	8.22E-05	3.46E-01	0.00E+00	1.51E-01
6.00E+01	8.17E-05	3.47E-01	0.00E+00	1.51E-01
7.00E+01	8.13E-05	3.47E-01	0.00E+00	1.51E-01
8.00E+01	8.08E-05	3.48E-01	0.00E+00	1.51E-01
9.00E+01	8.03E-05	3.49E-01	0.00E+00	1.51E-01
1.00E+02	7.99E-05	3.50E-01	0.00E+00	1.51E-01
2.00E+02	7.54E-05	3.58E-01	0.00E+00	1.51E-01
3.00E+02	7.11E-05	3.65E-01	0.00E+00	1.51E-01
4.00E+02	6.72E-05	3.72E-01	0.00E+00	1.51E-01
5.00E+02	6.34E-05	3.78E-01	0.00E+00	1.51E-01
6.00E+02	5.98E-05	3.85E-01	0.00E+00	1.51E-01
7.00E+02	5.65E-05	3.90E-01	0.00E+00	1.51E-01
8.00E+02	5.33E-05	3.96E-01	0.00E+00	1.51E-01
9.00E+02	5.03E-05	4.01E-01	0.00E+00	1.51E-01
1.00E+03	4.75E-05	4.06E-01	0.00E+00	1.51E-01
2.00E+03	2.67E-05	4.42E-01	0.00E+00	1.51E-01
4.00E+03	8.40E-06	4.74E-01	0.00E+00	1.51E-01
8.00E+03	8.42E-07	4.87E-01	0.00E+00	1.51E-01
1.00E+04	2.73E-07	4.88E-01	0.00E+00	1.51E-01
2.00E+04	2.09E-08	4.88E-01	0.00E+00	1.51E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	2.89E-01	2.26E-01	3.03E-04	1.24E-01	6.39E-01
2.00E-01	3.42E-01	2.01E-01	2.96E-07	9.44E-02	6.38E-01
3.00E-01	3.74E-01	1.79E-01	0.00E+00	8.22E-02	6.36E-01
4.00E-01	3.96E-01	1.60E-01	0.00E+00	7.67E-02	6.33E-01
5.00E-01	4.14E-01	1.43E-01	0.00E+00	7.29E-02	6.29E-01
6.00E-01	4.29E-01	1.27E-01	0.00E+00	6.93E-02	6.25E-01
7.00E-01	4.42E-01	1.13E-01	0.00E+00	6.57E-02	6.21E-01
8.00E-01	4.54E-01	1.01E-01	0.00E+00	6.20E-02	6.16E-01
9.00E-01	4.64E-01	8.96E-02	0.00E+00	5.82E-02	6.12E-01
1.00E+00	4.73E-01	7.97E-02	0.00E+00	5.44E-02	6.07E-01
2.00E+00	5.20E-01	2.42E-02	0.00E+00	2.42E-02	5.68E-01
3.00E+00	5.28E-01	7.13E-03	0.00E+00	9.57E-03	5.45E-01
4.00E+00	5.24E-01	2.05E-03	0.00E+00	3.63E-03	5.30E-01
5.00E+00	5.16E-01	5.81E-04	0.00E+00	1.35E-03	5.18E-01
6.00E+00	5.08E-01	1.62E-04	0.00E+00	4.99E-04	5.09E-01
7.00E+00	4.99E-01	4.47E-05	0.00E+00	1.84E-04	4.99E-01
8.00E+00	4.91E-01	1.22E-05	0.00E+00	6.78E-05	4.91E-01
9.00E+00	4.82E-01	3.32E-06	0.00E+00	2.50E-05	4.82E-01
1.00E+01	4.74E-01	8.96E-07	0.00E+00	9.18E-06	4.74E-01
2.00E+01	3.99E-01	0.00E+00	0.00E+00	0.00E+00	3.99E-01
3.00E+01	3.35E-01	0.00E+00	0.00E+00	0.00E+00	3.35E-01
4.00E+01	2.82E-01	0.00E+00	0.00E+00	0.00E+00	2.82E-01
5.00E+01	2.37E-01	0.00E+00	0.00E+00	0.00E+00	2.37E-01
6.00E+01	1.99E-01	0.00E+00	0.00E+00	0.00E+00	1.99E-01
7.00E+01	1.68E-01	0.00E+00	0.00E+00	0.00E+00	1.68E-01
8.00E+01	1.41E-01	0.00E+00	0.00E+00	0.00E+00	1.41E-01
9.00E+01	1.19E-01	0.00E+00	0.00E+00	0.00E+00	1.19E-01
1.00E+02	9.97E-02	0.00E+00	0.00E+00	0.00E+00	9.97E-02
2.00E+02	1.76E-02	0.00E+00	0.00E+00	0.00E+00	1.76E-02
3.00E+02	3.12E-03	0.00E+00	0.00E+00	0.00E+00	3.12E-03
4.00E+02	5.51E-04	0.00E+00	0.00E+00	0.00E+00	5.51E-04
5.00E+02	9.75E-05	0.00E+00	0.00E+00	0.00E+00	9.75E-05
6.00E+02	1.72E-05	0.00E+00	0.00E+00	0.00E+00	1.72E-05
7.00E+02	3.05E-06	0.00E+00	0.00E+00	0.00E+00	3.05E-06
8.00E+02	5.38E-07	0.00E+00	0.00E+00	0.00E+00	5.38E-07
9.00E+02	9.45E-08	0.00E+00	0.00E+00	0.00E+00	9.45E-08
1.00E+03	1.59E-08	0.00E+00	0.00E+00	0.00E+00	1.59E-08

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		3.86E-04		5.47E-05
2.00E-01		9.36E-04		6.05E-04
3.00E-01		1.56E-03		1.99E-03
4.00E-01		2.23E-03		4.16E-03
5.00E-01		2.93E-03		6.97E-03
6.00E-01		3.66E-03		1.02E-02
7.00E-01		4.41E-03		1.38E-02
8.00E-01		5.19E-03		1.75E-02
9.00E-01		5.99E-03		2.13E-02
1.00E+00	6.80E-03	6.80E-03	2.51E-02	2.51E-02
2.00E+00	8.69E-03	1.55E-02	3.02E-02	5.53E-02
3.00E+00	9.11E-03	2.46E-02	1.46E-02	6.99E-02
4.00E+00	9.12E-03	3.37E-02	5.95E-03	7.59E-02
5.00E+00	9.01E-03	4.27E-02	2.28E-03	7.81E-02
6.00E+00	8.87E-03	5.16E-02	8.51E-04	7.90E-02
7.00E+00	8.72E-03	6.03E-02	3.15E-04	7.93E-02
8.00E+00	8.58E-03	6.89E-02	1.16E-04	7.94E-02
9.00E+00	8.43E-03	7.73E-02	4.29E-05	7.95E-02
1.00E+01	8.28E-03	8.56E-02	1.58E-05	7.95E-02
2.00E+01	6.97E-03	1.61E-01	0.00E+00	7.95E-02
3.00E+01	5.86E-03	2.24E-01	0.00E+00	7.95E-02
4.00E+01	4.93E-03	2.78E-01	0.00E+00	7.95E-02
5.00E+01	4.14E-03	3.23E-01	0.00E+00	7.95E-02
6.00E+01	3.48E-03	3.60E-01	0.00E+00	7.95E-02
7.00E+01	2.93E-03	3.92E-01	0.00E+00	7.95E-02
8.00E+01	2.46E-03	4.19E-01	0.00E+00	7.95E-02
9.00E+01	2.07E-03	4.41E-01	0.00E+00	7.95E-02
1.00E+02	1.74E-03	4.60E-01	0.00E+00	7.95E-02
2.00E+02	3.08E-04	5.42E-01	0.00E+00	7.95E-02
3.00E+02	5.45E-05	5.57E-01	0.00E+00	7.95E-02
4.00E+02	9.63E-06	5.59E-01	0.00E+00	7.95E-02
5.00E+02	1.70E-06	5.60E-01	0.00E+00	7.95E-02
6.00E+02	3.01E-07	5.60E-01	0.00E+00	7.95E-02
7.00E+02	5.33E-08	5.60E-01	0.00E+00	7.95E-02

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	2.53E-01	2.26E-01	3.03E-04	1.56E-01	6.35E-01
2.00E-01	2.71E-01	2.01E-01	2.96E-07	1.56E-01	6.29E-01
3.00E-01	2.87E-01	1.79E-01	0.00E+00	1.55E-01	6.21E-01
4.00E-01	3.00E-01	1.60E-01	0.00E+00	1.52E-01	6.12E-01
5.00E-01	3.12E-01	1.43E-01	0.00E+00	1.48E-01	6.02E-01
6.00E-01	3.22E-01	1.27E-01	0.00E+00	1.42E-01	5.91E-01
7.00E-01	3.30E-01	1.13E-01	0.00E+00	1.36E-01	5.79E-01
8.00E-01	3.37E-01	1.01E-01	0.00E+00	1.29E-01	5.67E-01
9.00E-01	3.42E-01	8.96E-02	0.00E+00	1.22E-01	5.54E-01
1.00E+00	3.47E-01	7.97E-02	0.00E+00	1.15E-01	5.41E-01
2.00E+00	3.58E-01	2.42E-02	0.00E+00	5.24E-02	4.35E-01
3.00E+00	3.46E-01	7.13E-03	0.00E+00	2.09E-02	3.74E-01
4.00E+00	3.33E-01	2.05E-03	0.00E+00	7.95E-03	3.43E-01
5.00E+00	3.23E-01	5.81E-04	0.00E+00	2.96E-03	3.26E-01
6.00E+00	3.15E-01	1.62E-04	0.00E+00	1.10E-03	3.16E-01
7.00E+00	3.09E-01	4.47E-05	0.00E+00	4.05E-04	3.09E-01
8.00E+00	3.04E-01	1.22E-05	0.00E+00	1.49E-04	3.04E-01
9.00E+00	2.99E-01	3.32E-06	0.00E+00	5.48E-05	2.99E-01
1.00E+01	2.95E-01	8.96E-07	0.00E+00	2.02E-05	2.95E-01
2.00E+01	2.56E-01	0.00E+00	0.00E+00	0.00E+00	2.56E-01
3.00E+01	2.23E-01	0.00E+00	0.00E+00	0.00E+00	2.23E-01
4.00E+01	1.94E-01	0.00E+00	0.00E+00	0.00E+00	1.94E-01
5.00E+01	1.69E-01	0.00E+00	0.00E+00	0.00E+00	1.69E-01
6.00E+01	1.47E-01	0.00E+00	0.00E+00	0.00E+00	1.47E-01
7.00E+01	1.28E-01	0.00E+00	0.00E+00	0.00E+00	1.28E-01
8.00E+01	1.12E-01	0.00E+00	0.00E+00	0.00E+00	1.12E-01
9.00E+01	9.72E-02	0.00E+00	0.00E+00	0.00E+00	9.72E-02
1.00E+02	8.46E-02	0.00E+00	0.00E+00	0.00E+00	8.46E-02
2.00E+02	2.12E-02	0.00E+00	0.00E+00	0.00E+00	2.12E-02
3.00E+02	5.29E-03	0.00E+00	0.00E+00	0.00E+00	5.29E-03
4.00E+02	1.32E-03	0.00E+00	0.00E+00	0.00E+00	1.32E-03
5.00E+02	3.31E-04	0.00E+00	0.00E+00	0.00E+00	3.31E-04
6.00E+02	8.28E-05	0.00E+00	0.00E+00	0.00E+00	8.28E-05
7.00E+02	2.07E-05	0.00E+00	0.00E+00	0.00E+00	2.07E-05
8.00E+02	5.17E-06	0.00E+00	0.00E+00	0.00E+00	5.17E-06
9.00E+02	1.29E-06	0.00E+00	0.00E+00	0.00E+00	1.29E-06
1.00E+03	3.22E-07	0.00E+00	0.00E+00	0.00E+00	3.22E-07

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		4.46E-03		6.07E-05
2.00E-01		9.85E-03		7.42E-04
3.00E-01		1.54E-02		2.64E-03
4.00E-01		2.10E-02		5.93E-03
5.00E-01		2.66E-02		1.05E-02
6.00E-01		3.22E-02		1.61E-02
7.00E-01		3.77E-02		2.25E-02
8.00E-01		4.32E-02		2.94E-02
9.00E-01		4.86E-02		3.66E-02
1.00E+00	5.39E-02	5.39E-02	4.40E-02	4.40E-02
2.00E+00	4.43E-02	9.81E-02	6.24E-02	1.06E-01
3.00E+00	2.90E-02	1.27E-01	3.15E-02	1.38E-01
4.00E+00	1.81E-02	1.45E-01	1.30E-02	1.51E-01
5.00E+00	1.17E-02	1.57E-01	4.98E-03	1.56E-01
6.00E+00	8.09E-03	1.65E-01	1.87E-03	1.58E-01
7.00E+00	6.19E-03	1.71E-01	6.92E-04	1.58E-01
8.00E+00	5.19E-03	1.76E-01	2.56E-04	1.59E-01
9.00E+00	4.65E-03	1.81E-01	9.41E-05	1.59E-01
1.00E+01	4.35E-03	1.85E-01	3.47E-05	1.59E-01
2.00E+01	3.58E-03	2.24E-01	0.00E+00	1.59E-01
3.00E+01	3.12E-03	2.57E-01	0.00E+00	1.59E-01
4.00E+01	2.71E-03	2.86E-01	0.00E+00	1.59E-01
5.00E+01	2.36E-03	3.11E-01	0.00E+00	1.59E-01
6.00E+01	2.06E-03	3.33E-01	0.00E+00	1.59E-01
7.00E+01	1.79E-03	3.52E-01	0.00E+00	1.59E-01
8.00E+01	1.56E-03	3.69E-01	0.00E+00	1.59E-01
9.00E+01	1.36E-03	3.83E-01	0.00E+00	1.59E-01
1.00E+02	1.18E-03	3.96E-01	0.00E+00	1.59E-01
2.00E+02	2.95E-04	4.59E-01	0.00E+00	1.59E-01
3.00E+02	7.39E-05	4.75E-01	0.00E+00	1.59E-01
4.00E+02	1.85E-05	4.79E-01	0.00E+00	1.59E-01
5.00E+02	4.62E-06	4.80E-01	0.00E+00	1.59E-01
6.00E+02	1.15E-06	4.80E-01	0.00E+00	1.59E-01
7.00E+02	2.89E-07	4.80E-01	0.00E+00	1.59E-01
8.00E+02	7.21E-08	4.80E-01	0.00E+00	1.59E-01
9.00E+02	1.79E-08	4.80E-01	0.00E+00	1.59E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	3.46E-01	2.26E-01	3.03E-04	2.17E-02	5.94E-01
2.00E-01	3.35E-01	2.01E-01	2.96E-07	2.28E-03	5.38E-01
3.00E-01	3.10E-01	1.79E-01	0.00E+00	4.15E-04	4.89E-01
4.00E-01	2.87E-01	1.60E-01	0.00E+00	1.85E-04	4.47E-01
5.00E-01	2.67E-01	1.43E-01	0.00E+00	1.21E-04	4.09E-01
6.00E-01	2.49E-01	1.27E-01	0.00E+00	8.47E-05	3.76E-01
7.00E-01	2.33E-01	1.13E-01	0.00E+00	5.98E-05	3.46E-01
8.00E-01	2.19E-01	1.01E-01	0.00E+00	4.23E-05	3.19E-01
9.00E-01	2.06E-01	8.96E-02	0.00E+00	2.99E-05	2.95E-01
1.00E+00	1.94E-01	7.97E-02	0.00E+00	2.12E-05	2.73E-01
2.00E+00	1.07E-01	2.42E-02	0.00E+00	7.04E-07	1.31E-01
3.00E+00	5.73E-02	7.13E-03	0.00E+00	3.82E-08	6.44E-02
4.00E+00	2.98E-02	2.05E-03	0.00E+00	0.00E+00	3.18E-02
5.00E+00	1.52E-02	5.81E-04	0.00E+00	0.00E+00	1.58E-02
6.00E+00	7.69E-03	1.62E-04	0.00E+00	0.00E+00	7.86E-03
7.00E+00	3.87E-03	4.47E-05	0.00E+00	0.00E+00	3.92E-03
8.00E+00	1.94E-03	1.22E-05	0.00E+00	0.00E+00	1.96E-03
9.00E+00	9.73E-04	3.32E-06	0.00E+00	0.00E+00	9.77E-04
1.00E+01	4.87E-04	8.96E-07	0.00E+00	0.00E+00	4.88E-04
2.00E+01	4.77E-07	0.00E+00	0.00E+00	0.00E+00	4.77E-07

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		4.55E-02		4.54E-10
2.00E-01		1.01E-01		2.79E-09
3.00E-01		1.50E-01		6.98E-09
4.00E-01		1.92E-01		1.25E-08
5.00E-01		2.30E-01		1.90E-08
6.00E-01		2.63E-01		2.62E-08
7.00E-01		2.93E-01		3.36E-08
8.00E-01		3.20E-01		4.13E-08
9.00E-01		3.44E-01		4.89E-08
1.00E+00	3.66E-01	3.66E-01	5.64E-08	5.64E-08
2.00E+00	1.42E-01	5.08E-01	5.77E-08	1.14E-07
3.00E+00	6.68E-02	5.75E-01	2.72E-08	1.41E-07
4.00E+00	3.26E-02	6.07E-01	1.10E-08	1.52E-07
5.00E+00	1.60E-02	6.23E-01	0.00E+00	1.57E-07
6.00E+00	7.93E-03	6.31E-01	0.00E+00	1.58E-07
7.00E+00	3.94E-03	6.35E-01	0.00E+00	1.59E-07
8.00E+00	1.96E-03	6.37E-01	0.00E+00	1.59E-07
9.00E+00	9.78E-04	6.38E-01	0.00E+00	1.59E-07
1.00E+01	4.89E-04	6.39E-01	0.00E+00	1.59E-07
2.00E+01	4.77E-07	6.39E-01	0.00E+00	1.59E-07

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	3.38E-01	2.26E-01	3.03E-04	7.41E-02	6.38E-01
2.00E-01	3.98E-01	2.01E-01	2.96E-07	3.72E-02	6.37E-01
3.00E-01	4.24E-01	1.79E-01	0.00E+00	3.14E-02	6.35E-01
4.00E-01	4.42E-01	1.60E-01	0.00E+00	2.98E-02	6.32E-01
5.00E-01	4.58E-01	1.43E-01	0.00E+00	2.85E-02	6.29E-01
6.00E-01	4.72E-01	1.27E-01	0.00E+00	2.71E-02	6.26E-01
7.00E-01	4.85E-01	1.13E-01	0.00E+00	2.56E-02	6.23E-01
8.00E-01	4.96E-01	1.01E-01	0.00E+00	2.41E-02	6.20E-01
9.00E-01	5.05E-01	8.96E-02	0.00E+00	2.25E-02	6.17E-01
1.00E+00	5.13E-01	7.97E-02	0.00E+00	2.10E-02	6.14E-01
2.00E+00	5.53E-01	2.42E-02	0.00E+00	9.24E-03	5.86E-01
3.00E+00	5.55E-01	7.13E-03	0.00E+00	3.64E-03	5.66E-01
4.00E+00	5.47E-01	2.05E-03	0.00E+00	1.38E-03	5.50E-01
5.00E+00	5.36E-01	5.81E-04	0.00E+00	5.12E-04	5.37E-01
6.00E+00	5.26E-01	1.62E-04	0.00E+00	1.89E-04	5.26E-01
7.00E+00	5.16E-01	4.47E-05	0.00E+00	6.98E-05	5.16E-01
8.00E+00	5.07E-01	1.22E-05	0.00E+00	2.57E-05	5.08E-01
9.00E+00	4.99E-01	3.32E-06	0.00E+00	9.47E-06	4.99E-01
1.00E+01	4.92E-01	8.96E-07	0.00E+00	3.48E-06	4.92E-01
2.00E+01	4.32E-01	0.00E+00	0.00E+00	0.00E+00	4.32E-01
3.00E+01	3.87E-01	0.00E+00	0.00E+00	0.00E+00	3.87E-01
4.00E+01	3.50E-01	0.00E+00	0.00E+00	0.00E+00	3.50E-01
5.00E+01	3.19E-01	0.00E+00	0.00E+00	0.00E+00	3.19E-01
6.00E+01	2.92E-01	0.00E+00	0.00E+00	0.00E+00	2.92E-01
7.00E+01	2.69E-01	0.00E+00	0.00E+00	0.00E+00	2.69E-01
8.00E+01	2.49E-01	0.00E+00	0.00E+00	0.00E+00	2.49E-01
9.00E+01	2.31E-01	0.00E+00	0.00E+00	0.00E+00	2.31E-01
1.00E+02	2.16E-01	0.00E+00	0.00E+00	0.00E+00	2.16E-01
2.00E+02	1.23E-01	0.00E+00	0.00E+00	0.00E+00	1.23E-01
3.00E+02	7.63E-02	0.00E+00	0.00E+00	0.00E+00	7.63E-02
4.00E+02	4.80E-02	0.00E+00	0.00E+00	0.00E+00	4.80E-02
5.00E+02	3.02E-02	0.00E+00	0.00E+00	0.00E+00	3.02E-02
6.00E+02	1.90E-02	0.00E+00	0.00E+00	0.00E+00	1.90E-02
7.00E+02	1.20E-02	0.00E+00	0.00E+00	0.00E+00	1.20E-02
8.00E+02	7.55E-03	0.00E+00	0.00E+00	0.00E+00	7.55E-03
9.00E+02	4.76E-03	0.00E+00	0.00E+00	0.00E+00	4.76E-03
1.00E+03	3.00E-03	0.00E+00	0.00E+00	0.00E+00	3.00E-03
2.00E+03	2.95E-05	0.00E+00	0.00E+00	0.00E+00	2.95E-05
3.00E+03	2.88E-07	0.00E+00	0.00E+00	0.00E+00	2.88E-07

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		8.45E-04		4.16E-05
2.00E-01		2.12E-03		3.80E-04
3.00E-01		3.51E-03		1.10E-03
4.00E-01		4.96E-03		2.12E-03
5.00E-01		6.45E-03		3.37E-03
6.00E-01		7.98E-03		4.75E-03
7.00E-01		9.53E-03		6.23E-03
8.00E-01		1.11E-02		7.75E-03
9.00E-01		1.27E-02		9.27E-03
1.00E+00	1.43E-02	1.43E-02	1.08E-02	1.08E-02
2.00E+00	1.60E-02	3.03E-02	1.18E-02	2.26E-02
3.00E+00	1.49E-02	4.52E-02	5.60E-03	2.82E-02
4.00E+00	1.34E-02	5.86E-02	2.26E-03	3.04E-02
5.00E+00	1.19E-02	7.05E-02	8.64E-04	3.13E-02
6.00E+00	1.07E-02	8.12E-02	3.23E-04	3.16E-02
7.00E+00	9.70E-03	9.09E-02	1.20E-04	3.17E-02
8.00E+00	8.87E-03	9.98E-02	4.41E-05	3.18E-02
9.00E+00	8.19E-03	1.08E-01	1.63E-05	3.18E-02
1.00E+01	7.63E-03	1.16E-01	5.98E-06	3.18E-02
2.00E+01	5.07E-03	1.75E-01	0.00E+00	3.18E-02
3.00E+01	4.11E-03	2.20E-01	0.00E+00	3.18E-02
4.00E+01	3.45E-03	2.57E-01	0.00E+00	3.18E-02
5.00E+01	2.92E-03	2.89E-01	0.00E+00	3.18E-02
6.00E+01	2.50E-03	3.15E-01	0.00E+00	3.18E-02
7.00E+01	2.16E-03	3.39E-01	0.00E+00	3.18E-02
8.00E+01	1.88E-03	3.59E-01	0.00E+00	3.18E-02
9.00E+01	1.65E-03	3.76E-01	0.00E+00	3.18E-02
1.00E+02	1.46E-03	3.91E-01	0.00E+00	3.18E-02
2.00E+02	6.16E-04	4.84E-01	0.00E+00	3.18E-02
3.00E+02	3.58E-04	5.31E-01	0.00E+00	3.18E-02
4.00E+02	2.22E-04	5.59E-01	0.00E+00	3.18E-02
5.00E+02	1.40E-04	5.77E-01	0.00E+00	3.18E-02
6.00E+02	8.81E-05	5.88E-01	0.00E+00	3.18E-02
7.00E+02	5.55E-05	5.95E-01	0.00E+00	3.18E-02
8.00E+02	3.50E-05	6.00E-01	0.00E+00	3.18E-02
9.00E+02	2.20E-05	6.03E-01	0.00E+00	3.18E-02
1.00E+03	1.39E-05	6.04E-01	0.00E+00	3.18E-02
2.00E+03	1.37E-07	6.07E-01	0.00E+00	3.18E-02

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	3.89E-01	2.26E-01	3.03E-04	2.17E-02	6.37E-01
2.00E-01	4.31E-01	2.01E-01	2.96E-07	2.28E-03	6.34E-01
3.00E-01	4.51E-01	1.79E-01	0.00E+00	4.15E-04	6.31E-01
4.00E-01	4.68E-01	1.60E-01	0.00E+00	1.85E-04	6.28E-01
5.00E-01	4.82E-01	1.43E-01	0.00E+00	1.21E-04	6.25E-01
6.00E-01	4.94E-01	1.27E-01	0.00E+00	8.47E-05	6.21E-01
7.00E-01	5.05E-01	1.13E-01	0.00E+00	5.98E-05	6.18E-01
8.00E-01	5.14E-01	1.01E-01	0.00E+00	4.23E-05	6.14E-01
9.00E-01	5.21E-01	8.96E-02	0.00E+00	2.99E-05	6.11E-01
1.00E+00	5.27E-01	7.97E-02	0.00E+00	2.12E-05	6.07E-01
2.00E+00	5.45E-01	2.42E-02	0.00E+00	7.04E-07	5.70E-01
3.00E+00	5.25E-01	7.13E-03	0.00E+00	3.82E-08	5.32E-01
4.00E+00	4.95E-01	2.05E-03	0.00E+00	0.00E+00	4.97E-01
5.00E+00	4.63E-01	5.81E-04	0.00E+00	0.00E+00	4.64E-01
6.00E+00	4.33E-01	1.62E-04	0.00E+00	0.00E+00	4.33E-01
7.00E+00	4.04E-01	4.47E-05	0.00E+00	0.00E+00	4.04E-01
8.00E+00	3.77E-01	1.22E-05	0.00E+00	0.00E+00	3.77E-01
9.00E+00	3.52E-01	3.32E-06	0.00E+00	0.00E+00	3.52E-01
1.00E+01	3.28E-01	8.96E-07	0.00E+00	0.00E+00	3.28E-01
2.00E+01	1.64E-01	0.00E+00	0.00E+00	0.00E+00	1.64E-01
3.00E+01	8.20E-02	0.00E+00	0.00E+00	0.00E+00	8.20E-02
4.00E+01	4.10E-02	0.00E+00	0.00E+00	0.00E+00	4.10E-02
5.00E+01	2.05E-02	0.00E+00	0.00E+00	0.00E+00	2.05E-02
6.00E+01	1.03E-02	0.00E+00	0.00E+00	0.00E+00	1.03E-02
7.00E+01	5.13E-03	0.00E+00	0.00E+00	0.00E+00	5.13E-03
8.00E+01	2.57E-03	0.00E+00	0.00E+00	0.00E+00	2.57E-03
9.00E+01	1.28E-03	0.00E+00	0.00E+00	0.00E+00	1.28E-03
1.00E+02	6.41E-04	0.00E+00	0.00E+00	0.00E+00	6.41E-04
2.00E+02	6.27E-07	0.00E+00	0.00E+00	0.00E+00	6.27E-07

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		1.99E-03		4.54E-10
2.00E-01		4.86E-03		2.79E-09
3.00E-01		7.92E-03		6.98E-09
4.00E-01		1.11E-02		1.25E-08
5.00E-01		1.44E-02		1.90E-08
6.00E-01		1.78E-02		2.62E-08
7.00E-01		2.12E-02		3.36E-08
8.00E-01		2.48E-02		4.13E-08
9.00E-01		2.84E-02		4.89E-08
1.00E+00	3.20E-02	3.20E-02	5.64E-08	5.64E-08
2.00E+00	3.75E-02	6.95E-02	5.77E-08	1.14E-07
3.00E+00	3.72E-02	1.07E-01	2.72E-08	1.41E-07
4.00E+00	3.54E-02	1.42E-01	1.10E-08	1.52E-07
5.00E+00	3.32E-02	1.75E-01	0.00E+00	1.57E-07
6.00E+00	3.10E-02	2.06E-01	0.00E+00	1.58E-07
7.00E+00	2.90E-02	2.35E-01	0.00E+00	1.59E-07
8.00E+00	2.70E-02	2.62E-01	0.00E+00	1.59E-07
9.00E+00	2.52E-02	2.88E-01	0.00E+00	1.59E-07
1.00E+01	2.35E-02	3.11E-01	0.00E+00	1.59E-07
2.00E+01	1.18E-02	4.75E-01	0.00E+00	1.59E-07
3.00E+01	5.89E-03	5.57E-01	0.00E+00	1.59E-07
4.00E+01	2.94E-03	5.98E-01	0.00E+00	1.59E-07
5.00E+01	1.47E-03	6.19E-01	0.00E+00	1.59E-07
6.00E+01	7.36E-04	6.29E-01	0.00E+00	1.59E-07
7.00E+01	3.68E-04	6.34E-01	0.00E+00	1.59E-07
8.00E+01	1.84E-04	6.37E-01	0.00E+00	1.59E-07
9.00E+01	9.21E-05	6.38E-01	0.00E+00	1.59E-07
1.00E+02	4.60E-05	6.38E-01	0.00E+00	1.59E-07
2.00E+02	4.50E-08	6.39E-01	0.00E+00	1.59E-07

CLASS D AMAD = 1 MICRON

HALFLIFE= 1.47E+00 DAYS

BROMINE 82

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	3.71E-01	2.15E-01	2.89E-04	2.07E-02	6.08E-01
2.00E-01	3.92E-01	1.83E-01	2.69E-07	2.08E-03	5.77E-01
3.00E-01	3.92E-01	1.56E-01	0.00E+00	3.61E-04	5.48E-01
4.00E-01	3.87E-01	1.32E-01	0.00E+00	1.53E-04	5.20E-01
5.00E-01	3.81E-01	1.13E-01	0.00E+00	9.55E-05	4.94E-01
6.00E-01	3.72E-01	9.57E-02	0.00E+00	6.38E-05	4.68E-01
7.00E-01	3.63E-01	8.13E-02	0.00E+00	4.30E-05	4.44E-01
8.00E-01	3.52E-01	6.90E-02	0.00E+00	2.90E-05	4.21E-01
9.00E-01	3.41E-01	5.86E-02	0.00E+00	1.96E-05	4.00E-01
1.00E+00	3.29E-01	4.97E-02	0.00E+00	1.32E-05	3.79E-01
2.00E+00	2.12E-01	9.43E-03	0.00E+00	2.74E-07	2.22E-01
3.00E+00	1.28E-01	1.73E-03	0.00E+00	0.00E+00	1.29E-01
4.00E+00	7.51E-02	3.11E-04	0.00E+00	0.00E+00	7.54E-02
5.00E+00	4.38E-02	5.50E-05	0.00E+00	0.00E+00	4.39E-02
6.00E+00	2.56E-02	9.57E-06	0.00E+00	0.00E+00	2.56E-02
7.00E+00	1.49E-02	1.65E-06	0.00E+00	0.00E+00	1.49E-02
8.00E+00	8.67E-03	2.81E-07	0.00E+00	0.00E+00	8.67E-03
9.00E+00	5.05E-03	4.77E-08	0.00E+00	0.00E+00	5.05E-03
1.00E+01	2.94E-03	0.00E+00	0.00E+00	0.00E+00	2.94E-03
2.00E+01	1.32E-05	0.00E+00	0.00E+00	0.00E+00	1.32E-05
3.00E+01	5.90E-08	0.00E+00	0.00E+00	0.00E+00	5.90E-08

CLASS D AMAD = 1 MICRON

HALFLIFE= 1.47E+00 DAYS

BROMINE 82

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		1.90E-03		4.33E-10
2.00E-01		4.42E-03		2.54E-09
3.00E-01		6.88E-03		6.06E-09
4.00E-01		9.20E-03		1.04E-08
5.00E-01		1.14E-02		1.50E-08
6.00E-01		1.34E-02		1.97E-08
7.00E-01		1.53E-02		2.42E-08
8.00E-01		1.70E-02		2.83E-08
9.00E-01		1.86E-02		3.20E-08
1.00E+00	2.00E-02	2.00E-02	3.52E-08	3.52E-08
2.00E+00	1.46E-02	2.71E-02	2.25E-08	4.45E-08
3.00E+00	9.04E-03	2.59E-02	0.00E+00	3.44E-08
4.00E+00	5.36E-03	2.16E-02	0.00E+00	2.31E-08
5.00E+00	3.14E-03	1.66E-02	0.00E+00	1.48E-08
6.00E+00	1.83E-03	1.22E-02	0.00E+00	9.34E-09
7.00E+00	1.07E-03	8.67E-03	0.00E+00	5.85E-09
8.00E+00	6.22E-04	6.03E-03	0.00E+00	3.65E-09
9.00E+00	3.62E-04	4.13E-03	0.00E+00	2.28E-09
1.00E+01	2.11E-04	2.79E-03	0.00E+00	1.42E-09
2.00E+01	9.44E-07	3.81E-05	0.00E+00	1.28E-11

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	3.91E-01	2.26E-01	3.03E-04	2.17E-02	6.39E-01
2.00E-01	4.34E-01	2.01E-01	2.96E-07	2.28E-03	6.38E-01
3.00E-01	4.57E-01	1.79E-01	0.00E+00	4.15E-04	6.37E-01
4.00E-01	4.76E-01	1.60E-01	0.00E+00	1.85E-04	6.37E-01
5.00E-01	4.93E-01	1.43E-01	0.00E+00	1.21E-04	6.36E-01
6.00E-01	5.08E-01	1.27E-01	0.00E+00	8.47E-05	6.35E-01
7.00E-01	5.21E-01	1.13E-01	0.00E+00	5.98E-05	6.34E-01
8.00E-01	5.33E-01	1.01E-01	0.00E+00	4.23E-05	6.33E-01
9.00E-01	5.43E-01	8.96E-02	0.00E+00	2.99E-05	6.33E-01
1.00E+00	5.52E-01	7.97E-02	0.00E+00	2.12E-05	6.32E-01
2.00E+00	5.98E-01	2.42E-02	0.00E+00	7.04E-07	6.23E-01
3.00E+00	6.06E-01	7.13E-03	0.00E+00	3.82E-08	6.13E-01
4.00E+00	6.01E-01	2.05E-03	0.00E+00	0.00E+00	6.04E-01
5.00E+00	5.94E-01	5.81E-04	0.00E+00	0.00E+00	5.94E-01
6.00E+00	5.85E-01	1.62E-04	0.00E+00	0.00E+00	5.85E-01
7.00E+00	5.76E-01	4.47E-05	0.00E+00	0.00E+00	5.76E-01
8.00E+00	5.67E-01	1.22E-05	0.00E+00	0.00E+00	5.67E-01
9.00E+00	5.58E-01	3.32E-06	0.00E+00	0.00E+00	5.58E-01
1.00E+01	5.49E-01	8.96E-07	0.00E+00	0.00E+00	5.49E-01
2.00E+01	4.69E-01	0.00E+00	0.00E+00	0.00E+00	4.69E-01
3.00E+01	4.01E-01	0.00E+00	0.00E+00	0.00E+00	4.01E-01
4.00E+01	3.42E-01	0.00E+00	0.00E+00	0.00E+00	3.42E-01
5.00E+01	2.92E-01	0.00E+00	0.00E+00	0.00E+00	2.92E-01
6.00E+01	2.50E-01	0.00E+00	0.00E+00	0.00E+00	2.50E-01
7.00E+01	2.13E-01	0.00E+00	0.00E+00	0.00E+00	2.13E-01
8.00E+01	1.82E-01	0.00E+00	0.00E+00	0.00E+00	1.82E-01
9.00E+01	1.56E-01	0.00E+00	0.00E+00	0.00E+00	1.56E-01
1.00E+02	1.33E-01	0.00E+00	0.00E+00	0.00E+00	1.33E-01
2.00E+02	2.75E-02	0.00E+00	0.00E+00	0.00E+00	2.75E-02
3.00E+02	5.70E-03	0.00E+00	0.00E+00	0.00E+00	5.70E-03
4.00E+02	1.18E-03	0.00E+00	0.00E+00	0.00E+00	1.18E-03
5.00E+02	2.44E-04	0.00E+00	0.00E+00	0.00E+00	2.44E-04
6.00E+02	5.06E-05	0.00E+00	0.00E+00	0.00E+00	5.06E-05
7.00E+02	1.05E-05	0.00E+00	0.00E+00	0.00E+00	1.05E-05
8.00E+02	2.17E-06	0.00E+00	0.00E+00	0.00E+00	2.17E-06
9.00E+02	4.48E-07	0.00E+00	0.00E+00	0.00E+00	4.48E-07
1.00E+03	9.19E-08	0.00E+00	0.00E+00	0.00E+00	9.19E-08

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	24-HOUR URINE	ACCUMULATED URINE	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		3.40E-04		1.13E-04
2.00E-01		8.32E-04		2.77E-04
3.00E-01		1.36E-03		4.53E-04
4.00E-01		1.91E-03		6.37E-04
5.00E-01		2.48E-03		8.28E-04
6.00E-01		3.08E-03		1.03E-03
7.00E-01		3.68E-03		1.23E-03
8.00E-01		4.31E-03		1.44E-03
9.00E-01		4.94E-03		1.65E-03
1.00E+00	5.59E-03	5.59E-03	1.86E-03	1.86E-03
2.00E+00	6.86E-03	1.24E-02	2.29E-03	4.15E-03
3.00E+00	7.13E-03	1.96E-02	2.38E-03	6.53E-03
4.00E+00	7.14E-03	2.67E-02	2.38E-03	8.90E-03
5.00E+00	7.06E-03	3.38E-02	2.35E-03	1.13E-02
6.00E+00	6.96E-03	4.07E-02	2.32E-03	1.36E-02
7.00E+00	6.85E-03	4.76E-02	2.28E-03	1.59E-02
8.00E+00	6.75E-03	5.43E-02	2.25E-03	1.81E-02
9.00E+00	6.64E-03	6.10E-02	2.21E-03	2.03E-02
1.00E+01	6.54E-03	6.75E-02	2.18E-03	2.25E-02
2.00E+01	5.59E-03	1.28E-01	1.86E-03	4.25E-02
3.00E+01	4.77E-03	1.79E-01	1.59E-03	5.96E-02
4.00E+01	4.08E-03	2.23E-01	1.36E-03	7.42E-02
5.00E+01	3.48E-03	2.60E-01	1.16E-03	8.67E-02
6.00E+01	2.97E-03	2.92E-01	9.92E-04	9.73E-02
7.00E+01	2.54E-03	3.19E-01	8.47E-04	1.06E-01
8.00E+01	2.17E-03	3.43E-01	7.24E-04	1.14E-01
9.00E+01	1.85E-03	3.63E-01	6.18E-04	1.21E-01
1.00E+02	1.58E-03	3.80E-01	5.28E-04	1.27E-01
2.00E+02	3.28E-04	4.59E-01	1.09E-04	1.53E-01
3.00E+02	6.79E-05	4.75E-01	2.26E-05	1.58E-01
4.00E+02	1.41E-05	4.78E-01	4.68E-06	1.59E-01
5.00E+02	2.91E-06	4.79E-01	9.70E-07	1.60E-01
6.00E+02	6.02E-07	4.79E-01	2.01E-07	1.60E-01
7.00E+02	1.25E-07	4.79E-01	4.16E-08	1.60E-01
8.00E+02	2.58E-08	4.79E-01	0.00E+00	1.60E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	2.40E-01	2.26E-01	3.02E-04	1.41E-01	6.06E-01
2.00E-01	2.68E-01	2.01E-01	2.95E-07	1.24E-01	5.92E-01
3.00E-01	2.88E-01	1.79E-01	0.00E+00	1.14E-01	5.81E-01
4.00E-01	3.03E-01	1.59E-01	0.00E+00	1.08E-01	5.70E-01
5.00E-01	3.14E-01	1.42E-01	0.00E+00	1.03E-01	5.59E-01
6.00E-01	3.23E-01	1.26E-01	0.00E+00	9.80E-02	5.47E-01
7.00E-01	3.30E-01	1.12E-01	0.00E+00	9.29E-02	5.35E-01
8.00E-01	3.36E-01	9.98E-02	0.00E+00	8.77E-02	5.23E-01
9.00E-01	3.40E-01	8.87E-02	0.00E+00	8.24E-02	5.11E-01
1.00E+00	3.44E-01	7.88E-02	0.00E+00	7.71E-02	5.00E-01
2.00E+00	3.41E-01	2.37E-02	0.00E+00	3.43E-02	3.99E-01
3.00E+00	3.12E-01	6.91E-03	0.00E+00	1.34E-02	3.32E-01
4.00E+00	2.80E-01	1.97E-03	0.00E+00	5.04E-03	2.87E-01
5.00E+00	2.51E-01	5.50E-04	0.00E+00	1.86E-03	2.53E-01
6.00E+00	2.26E-01	1.52E-04	0.00E+00	6.80E-04	2.27E-01
7.00E+00	2.05E-01	4.15E-05	0.00E+00	2.48E-04	2.05E-01
8.00E+00	1.87E-01	1.12E-05	0.00E+00	9.04E-05	1.88E-01
9.00E+00	1.72E-01	3.02E-06	0.00E+00	3.29E-05	1.72E-01
1.00E+01	1.60E-01	8.06E-07	0.00E+00	1.20E-05	1.60E-01
2.00E+01	9.71E-02	0.00E+00	0.00E+00	0.00E+00	9.71E-02
3.00E+01	7.74E-02	0.00E+00	0.00E+00	0.00E+00	7.74E-02
4.00E+01	6.66E-02	0.00E+00	0.00E+00	0.00E+00	6.66E-02
5.00E+01	5.83E-02	0.00E+00	0.00E+00	0.00E+00	5.83E-02
6.00E+01	5.13E-02	0.00E+00	0.00E+00	0.00E+00	5.13E-02
7.00E+01	4.52E-02	0.00E+00	0.00E+00	0.00E+00	4.52E-02
8.00E+01	3.98E-02	0.00E+00	0.00E+00	0.00E+00	3.98E-02
9.00E+01	3.52E-02	0.00E+00	0.00E+00	0.00E+00	3.52E-02
1.00E+02	3.11E-02	0.00E+00	0.00E+00	0.00E+00	3.11E-02
2.00E+02	9.33E-03	0.00E+00	0.00E+00	0.00E+00	9.33E-03
3.00E+02	2.91E-03	0.00E+00	0.00E+00	0.00E+00	2.91E-03
4.00E+02	9.26E-04	0.00E+00	0.00E+00	0.00E+00	9.26E-04
5.00E+02	2.99E-04	0.00E+00	0.00E+00	0.00E+00	2.99E-04
6.00E+02	9.77E-05	0.00E+00	0.00E+00	0.00E+00	9.77E-05
7.00E+02	3.21E-05	0.00E+00	0.00E+00	0.00E+00	3.21E-05
8.00E+02	1.06E-05	0.00E+00	0.00E+00	0.00E+00	1.06E-05
9.00E+02	3.53E-06	0.00E+00	0.00E+00	0.00E+00	3.53E-06
1.00E+03	1.18E-06	0.00E+00	0.00E+00	0.00E+00	1.18E-06

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	24-HOUR URINE	ACCUMULATED URINE	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		2.74E-02		4.90E-03
2.00E-01		3.80E-02		7.39E-03
3.00E-01		4.54E-02		1.03E-02
4.00E-01		5.18E-02		1.42E-02
5.00E-01		5.78E-02		1.88E-02
6.00E-01		6.36E-02		2.41E-02
7.00E-01		6.91E-02		2.98E-02
8.00E-01		7.45E-02		3.58E-02
9.00E-01		7.97E-02		4.19E-02
1.00E+00	8.48E-02	8.48E-02	4.80E-02	4.80E-02
2.00E+00	4.53E-02	1.29E-01	5.00E-02	9.75E-02
3.00E+00	3.57E-02	1.64E-01	2.68E-02	1.23E-01
4.00E+00	2.86E-02	1.90E-01	1.33E-02	1.35E-01
5.00E+00	2.32E-02	2.12E-01	7.23E-03	1.41E-01
6.00E+00	1.91E-02	2.28E-01	4.53E-03	1.44E-01
7.00E+00	1.58E-02	2.42E-01	3.22E-03	1.46E-01
8.00E+00	1.32E-02	2.53E-01	2.49E-03	1.47E-01
9.00E+00	1.11E-02	2.61E-01	2.01E-03	1.47E-01
1.00E+01	9.33E-03	2.68E-01	1.67E-03	1.47E-01
2.00E+01	1.83E-03	2.80E-01	3.23E-04	1.39E-01
3.00E+01	4.52E-04	2.60E-01	7.97E-05	1.27E-01
4.00E+01	1.80E-04	2.36E-01	3.17E-05	1.14E-01
5.00E+01	1.14E-04	2.13E-01	2.01E-05	1.03E-01
6.00E+01	8.88E-05	1.93E-01	1.57E-05	9.26E-02
7.00E+01	7.32E-05	1.74E-01	1.29E-05	8.33E-02
8.00E+01	6.13E-05	1.57E-01	1.08E-05	7.50E-02
9.00E+01	5.16E-05	1.42E-01	9.11E-06	6.75E-02
1.00E+02	4.35E-05	1.28E-01	7.68E-06	6.07E-02
2.00E+02	8.87E-06	4.50E-02	1.56E-06	2.11E-02
3.00E+02	2.08E-06	1.57E-02	3.67E-07	7.27E-03
4.00E+02	5.29E-07	5.45E-03	9.33E-08	2.51E-03
5.00E+02	1.41E-07	1.89E-03	2.49E-08	8.64E-04
6.00E+02	3.87E-08	6.52E-04	0.00E+00	2.97E-04
7.00E+02	1.09E-08	2.25E-04	0.00E+00	1.02E-04

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	2.40E-01	2.26E-01	3.03E-04	1.41E-01	6.07E-01
2.00E-01	2.68E-01	2.01E-01	2.96E-07	1.24E-01	5.94E-01
3.00E-01	2.89E-01	1.79E-01	0.00E+00	1.15E-01	5.83E-01
4.00E-01	3.04E-01	1.60E-01	0.00E+00	1.08E-01	5.73E-01
5.00E-01	3.16E-01	1.43E-01	0.00E+00	1.03E-01	5.62E-01
6.00E-01	3.25E-01	1.27E-01	0.00E+00	9.86E-02	5.51E-01
7.00E-01	3.33E-01	1.13E-01	0.00E+00	9.36E-02	5.39E-01
8.00E-01	3.39E-01	1.01E-01	0.00E+00	8.84E-02	5.28E-01
9.00E-01	3.44E-01	8.96E-02	0.00E+00	8.32E-02	5.16E-01
1.00E+00	3.47E-01	7.97E-02	0.00E+00	7.79E-02	5.05E-01
2.00E+00	3.48E-01	2.42E-02	0.00E+00	3.50E-02	4.08E-01
3.00E+00	3.22E-01	7.13E-03	0.00E+00	1.39E-02	3.43E-01
4.00E+00	2.92E-01	2.05E-03	0.00E+00	5.26E-03	2.99E-01
5.00E+00	2.65E-01	5.81E-04	0.00E+00	1.96E-03	2.67E-01
6.00E+00	2.41E-01	1.62E-04	0.00E+00	7.25E-04	2.42E-01
7.00E+00	2.21E-01	4.47E-05	0.00E+00	2.67E-04	2.21E-01
8.00E+00	2.04E-01	1.22E-05	0.00E+00	9.85E-05	2.04E-01
9.00E+00	1.90E-01	3.32E-06	0.00E+00	3.63E-05	1.90E-01
1.00E+01	1.78E-01	8.96E-07	0.00E+00	1.33E-05	1.78E-01
2.00E+01	1.20E-01	0.00E+00	0.00E+00	0.00E+00	1.20E-01
3.00E+01	1.07E-01	0.00E+00	0.00E+00	0.00E+00	1.07E-01
4.00E+01	1.02E-01	0.00E+00	0.00E+00	0.00E+00	1.02E-01
5.00E+01	9.94E-02	0.00E+00	0.00E+00	0.00E+00	9.94E-02
6.00E+01	9.73E-02	0.00E+00	0.00E+00	0.00E+00	9.73E-02
7.00E+01	9.55E-02	0.00E+00	0.00E+00	0.00E+00	9.55E-02
8.00E+01	9.37E-02	0.00E+00	0.00E+00	0.00E+00	9.37E-02
9.00E+01	9.21E-02	0.00E+00	0.00E+00	0.00E+00	9.21E-02
1.00E+02	9.05E-02	0.00E+00	0.00E+00	0.00E+00	9.05E-02
2.00E+02	7.91E-02	0.00E+00	0.00E+00	0.00E+00	7.91E-02
3.00E+02	7.18E-02	0.00E+00	0.00E+00	0.00E+00	7.18E-02
4.00E+02	6.67E-02	0.00E+00	0.00E+00	0.00E+00	6.67E-02
5.00E+02	6.27E-02	0.00E+00	0.00E+00	0.00E+00	6.27E-02
6.00E+02	5.96E-02	0.00E+00	0.00E+00	0.00E+00	5.96E-02
7.00E+02	5.71E-02	0.00E+00	0.00E+00	0.00E+00	5.71E-02
8.00E+02	5.50E-02	0.00E+00	0.00E+00	0.00E+00	5.50E-02
9.00E+02	5.32E-02	0.00E+00	0.00E+00	0.00E+00	5.32E-02
1.00E+03	5.17E-02	0.00E+00	0.00E+00	0.00E+00	5.17E-02
2.00E+03	4.15E-02	0.00E+00	0.00E+00	0.00E+00	4.15E-02
4.00E+03	2.96E-02	0.00E+00	0.00E+00	0.00E+00	2.96E-02
8.00E+03	1.78E-02	0.00E+00	0.00E+00	0.00E+00	1.78E-02
1.00E+04	1.44E-02	0.00E+00	0.00E+00	0.00E+00	1.44E-02
2.00E+04	5.91E-03	0.00E+00	0.00E+00	0.00E+00	5.91E-03

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	24-HOUR URINE	ACCUMULATED URINE	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		2.75E-02		4.91E-03
2.00E-01		3.81E-02		7.41E-03
3.00E-01		4.55E-02		1.04E-02
4.00E-01		5.21E-02		1.42E-02
5.00E-01		5.82E-02		1.89E-02
6.00E-01		6.40E-02		2.43E-02
7.00E-01		6.96E-02		3.00E-02
8.00E-01		7.51E-02		3.61E-02
9.00E-01		8.05E-02		4.23E-02
1.00E+00	8.57E-02	8.57E-02	4.85E-02	4.85E-02
2.00E+00	4.63E-02	1.32E-01	5.11E-02	9.96E-02
3.00E+00	3.69E-02	1.69E-01	2.76E-02	1.27E-01
4.00E+00	2.98E-02	1.99E-01	1.39E-02	1.41E-01
5.00E+00	2.45E-02	2.23E-01	7.63E-03	1.49E-01
6.00E+00	2.04E-02	2.44E-01	4.83E-03	1.54E-01
7.00E+00	1.71E-02	2.61E-01	3.47E-03	1.57E-01
8.00E+00	1.44E-02	2.75E-01	2.71E-03	1.60E-01
9.00E+00	1.22E-02	2.87E-01	2.22E-03	1.62E-01
1.00E+01	1.04E-02	2.98E-01	1.86E-03	1.64E-01
2.00E+01	2.27E-03	3.46E-01	4.00E-04	1.72E-01
3.00E+01	6.22E-04	3.58E-01	1.10E-04	1.74E-01
4.00E+01	2.76E-04	3.62E-01	4.87E-05	1.75E-01
5.00E+01	1.95E-04	3.64E-01	3.43E-05	1.76E-01
6.00E+01	1.69E-04	3.66E-01	2.98E-05	1.76E-01
7.00E+01	1.55E-04	3.68E-01	2.73E-05	1.76E-01
8.00E+01	1.44E-04	3.69E-01	2.54E-05	1.76E-01
9.00E+01	1.35E-04	3.70E-01	2.38E-05	1.77E-01
1.00E+02	1.27E-04	3.72E-01	2.24E-05	1.77E-01
2.00E+02	7.52E-05	3.81E-01	1.33E-05	1.79E-01
3.00E+02	5.14E-05	3.88E-01	9.06E-06	1.80E-01
4.00E+02	3.80E-05	3.92E-01	6.71E-06	1.80E-01
5.00E+02	2.95E-05	3.95E-01	5.21E-06	1.81E-01
6.00E+02	2.36E-05	3.98E-01	4.17E-06	1.82E-01
7.00E+02	1.94E-05	4.00E-01	3.43E-06	1.82E-01
8.00E+02	1.64E-05	4.02E-01	2.89E-06	1.82E-01
9.00E+02	1.41E-05	4.03E-01	2.49E-06	1.82E-01
1.00E+03	1.24E-05	4.05E-01	2.19E-06	1.83E-01
2.00E+03	6.66E-06	4.13E-01	1.18E-06	1.84E-01
4.00E+03	3.81E-06	4.23E-01	6.73E-07	1.86E-01
8.00E+03	1.66E-06	4.34E-01	2.92E-07	1.88E-01
1.00E+04	1.22E-06	4.36E-01	2.15E-07	1.88E-01
2.00E+04	4.28E-07	4.44E-01	7.56E-08	1.90E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	2.40E-01	2.26E-01	3.03E-04	1.41E-01	6.07E-01
2.00E-01	2.68E-01	2.01E-01	2.96E-07	1.24E-01	5.94E-01
3.00E-01	2.89E-01	1.79E-01	0.00E+00	1.15E-01	5.83E-01
4.00E-01	3.04E-01	1.60E-01	0.00E+00	1.08E-01	5.73E-01
5.00E-01	3.16E-01	1.43E-01	0.00E+00	1.03E-01	5.62E-01
6.00E-01	3.25E-01	1.27E-01	0.00E+00	9.86E-02	5.51E-01
7.00E-01	3.33E-01	1.13E-01	0.00E+00	9.36E-02	5.39E-01
8.00E-01	3.39E-01	1.01E-01	0.00E+00	8.84E-02	5.28E-01
9.00E-01	3.44E-01	8.96E-02	0.00E+00	8.32E-02	5.16E-01
1.00E+00	3.47E-01	7.97E-02	0.00E+00	7.79E-02	5.05E-01
2.00E+00	3.48E-01	2.42E-02	0.00E+00	3.50E-02	4.07E-01
3.00E+00	3.22E-01	7.13E-03	0.00E+00	1.39E-02	3.43E-01
4.00E+00	2.92E-01	2.05E-03	0.00E+00	5.26E-03	2.99E-01
5.00E+00	2.65E-01	5.80E-04	0.00E+00	1.96E-03	2.67E-01
6.00E+00	2.41E-01	1.62E-04	0.00E+00	7.25E-04	2.42E-01
7.00E+00	2.21E-01	4.47E-05	0.00E+00	2.67E-04	2.21E-01
8.00E+00	2.04E-01	1.22E-05	0.00E+00	9.85E-05	2.04E-01
9.00E+00	1.90E-01	3.32E-06	0.00E+00	3.62E-05	1.90E-01
1.00E+01	1.78E-01	8.96E-07	0.00E+00	1.33E-05	1.78E-01
2.00E+01	1.20E-01	0.00E+00	0.00E+00	0.00E+00	1.20E-01
3.00E+01	1.06E-01	0.00E+00	0.00E+00	0.00E+00	1.06E-01
4.00E+01	1.02E-01	0.00E+00	0.00E+00	0.00E+00	1.02E-01
5.00E+01	9.91E-02	0.00E+00	0.00E+00	0.00E+00	9.91E-02
6.00E+01	9.70E-02	0.00E+00	0.00E+00	0.00E+00	9.70E-02
7.00E+01	9.50E-02	0.00E+00	0.00E+00	0.00E+00	9.50E-02
8.00E+01	9.32E-02	0.00E+00	0.00E+00	0.00E+00	9.32E-02
9.00E+01	9.15E-02	0.00E+00	0.00E+00	0.00E+00	9.15E-02
1.00E+02	8.99E-02	0.00E+00	0.00E+00	0.00E+00	8.99E-02
2.00E+02	7.81E-02	0.00E+00	0.00E+00	0.00E+00	7.81E-02
3.00E+02	7.04E-02	0.00E+00	0.00E+00	0.00E+00	7.04E-02
4.00E+02	6.49E-02	0.00E+00	0.00E+00	0.00E+00	6.49E-02
5.00E+02	6.07E-02	0.00E+00	0.00E+00	0.00E+00	6.07E-02
6.00E+02	5.73E-02	0.00E+00	0.00E+00	0.00E+00	5.73E-02
7.00E+02	5.45E-02	0.00E+00	0.00E+00	0.00E+00	5.45E-02
8.00E+02	5.22E-02	0.00E+00	0.00E+00	0.00E+00	5.22E-02
9.00E+02	5.02E-02	0.00E+00	0.00E+00	0.00E+00	5.02E-02
1.00E+03	4.84E-02	0.00E+00	0.00E+00	0.00E+00	4.84E-02
2.00E+03	3.64E-02	0.00E+00	0.00E+00	0.00E+00	3.64E-02
4.00E+03	2.28E-02	0.00E+00	0.00E+00	0.00E+00	2.28E-02
8.00E+03	1.05E-02	0.00E+00	0.00E+00	0.00E+00	1.05E-02
1.00E+04	7.51E-03	0.00E+00	0.00E+00	0.00E+00	7.51E-03
2.00E+04	1.60E-03	0.00E+00	0.00E+00	0.00E+00	1.60E-03

CLASS D AMAD = 1 MICRON

HALFLIFE= 1.06E+04 DAYS

STRONTIUM 90

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	24-HOUR URINE	ACCUMULATED URINE	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		2.75E-02		4.90E-03
2.00E-01		3.81E-02		7.41E-03
3.00E-01		4.55E-02		1.04E-02
4.00E-01		5.21E-02		1.42E-02
5.00E-01		5.82E-02		1.89E-02
6.00E-01		6.40E-02		2.43E-02
7.00E-01		6.96E-02		3.00E-02
8.00E-01		7.51E-02		3.61E-02
9.00E-01		8.05E-02		4.23E-02
1.00E+00	8.57E-02	8.57E-02	4.85E-02	4.85E-02
2.00E+00	4.63E-02	1.32E-01	5.11E-02	9.96E-02
3.00E+00	3.69E-02	1.69E-01	2.76E-02	1.27E-01
4.00E+00	2.98E-02	1.99E-01	1.39E-02	1.41E-01
5.00E+00	2.45E-02	2.23E-01	7.62E-03	1.49E-01
6.00E+00	2.03E-02	2.44E-01	4.83E-03	1.53E-01
7.00E+00	1.71E-02	2.61E-01	3.47E-03	1.57E-01
8.00E+00	1.44E-02	2.75E-01	2.71E-03	1.60E-01
9.00E+00	1.22E-02	2.87E-01	2.22E-03	1.62E-01
1.00E+01	1.04E-02	2.97E-01	1.85E-03	1.64E-01
2.00E+01	2.26E-03	3.46E-01	3.99E-04	1.72E-01
3.00E+01	6.21E-04	3.57E-01	1.10E-04	1.74E-01
4.00E+01	2.75E-04	3.61E-01	4.85E-05	1.75E-01
5.00E+01	1.94E-04	3.63E-01	3.42E-05	1.75E-01
6.00E+01	1.68E-04	3.64E-01	2.96E-05	1.75E-01
7.00E+01	1.54E-04	3.66E-01	2.72E-05	1.75E-01
8.00E+01	1.43E-04	3.67E-01	2.53E-05	1.75E-01
9.00E+01	1.34E-04	3.68E-01	2.37E-05	1.76E-01
1.00E+02	1.26E-04	3.69E-01	2.22E-05	1.76E-01
2.00E+02	7.42E-05	3.76E-01	1.31E-05	1.76E-01
3.00E+02	5.04E-05	3.80E-01	8.89E-06	1.76E-01
4.00E+02	3.71E-05	3.82E-01	6.54E-06	1.76E-01
5.00E+02	2.86E-05	3.83E-01	5.04E-06	1.75E-01
6.00E+02	2.27E-05	3.83E-01	4.01E-06	1.75E-01
7.00E+02	1.86E-05	3.82E-01	3.28E-06	1.74E-01
8.00E+02	1.55E-05	3.81E-01	2.74E-06	1.73E-01
9.00E+02	1.33E-05	3.80E-01	2.35E-06	1.72E-01
1.00E+03	1.16E-05	3.79E-01	2.05E-06	1.71E-01
2.00E+03	5.85E-06	3.63E-01	1.03E-06	1.62E-01
4.00E+03	2.94E-06	3.26E-01	5.18E-07	1.43E-01
8.00E+03	9.81E-07	2.57E-01	1.73E-07	1.11E-01
1.00E+04	6.33E-07	2.27E-01	1.12E-07	9.79E-02
2.00E+04	1.16E-07	1.20E-01	2.04E-08	5.13E-02

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	2.56E-01	2.26E-01	3.03E-04	1.56E-01	6.38E-01
2.00E-01	2.79E-01	2.01E-01	2.96E-07	1.56E-01	6.36E-01
3.00E-01	2.99E-01	1.79E-01	0.00E+00	1.55E-01	6.33E-01
4.00E-01	3.16E-01	1.60E-01	0.00E+00	1.52E-01	6.28E-01
5.00E-01	3.32E-01	1.43E-01	0.00E+00	1.48E-01	6.22E-01
6.00E-01	3.45E-01	1.27E-01	0.00E+00	1.42E-01	6.15E-01
7.00E-01	3.58E-01	1.13E-01	0.00E+00	1.36E-01	6.06E-01
8.00E-01	3.68E-01	1.01E-01	0.00E+00	1.29E-01	5.98E-01
9.00E-01	3.77E-01	8.96E-02	0.00E+00	1.22E-01	5.89E-01
1.00E+00	3.85E-01	7.97E-02	0.00E+00	1.15E-01	5.80E-01
2.00E+00	4.22E-01	2.42E-02	0.00E+00	5.24E-02	4.98E-01
3.00E+00	4.20E-01	7.13E-03	0.00E+00	2.09E-02	4.48E-01
4.00E+00	4.08E-01	2.05E-03	0.00E+00	7.94E-03	4.18E-01
5.00E+00	3.93E-01	5.81E-04	0.00E+00	2.96E-03	3.97E-01
6.00E+00	3.79E-01	1.62E-04	0.00E+00	1.10E-03	3.80E-01
7.00E+00	3.66E-01	4.47E-05	0.00E+00	4.04E-04	3.67E-01
8.00E+00	3.54E-01	1.22E-05	0.00E+00	1.49E-04	3.54E-01
9.00E+00	3.43E-01	3.32E-06	0.00E+00	5.48E-05	3.44E-01
1.00E+01	3.34E-01	8.96E-07	0.00E+00	2.02E-05	3.34E-01
2.00E+01	2.75E-01	0.00E+00	0.00E+00	0.00E+00	2.75E-01
3.00E+01	2.53E-01	0.00E+00	0.00E+00	0.00E+00	2.53E-01
4.00E+01	2.44E-01	0.00E+00	0.00E+00	0.00E+00	2.44E-01
5.00E+01	2.41E-01	0.00E+00	0.00E+00	0.00E+00	2.41E-01
6.00E+01	2.40E-01	0.00E+00	0.00E+00	0.00E+00	2.40E-01
7.00E+01	2.39E-01	0.00E+00	0.00E+00	0.00E+00	2.39E-01
8.00E+01	2.39E-01	0.00E+00	0.00E+00	0.00E+00	2.39E-01
9.00E+01	2.38E-01	0.00E+00	0.00E+00	0.00E+00	2.38E-01
1.00E+02	2.38E-01	0.00E+00	0.00E+00	0.00E+00	2.38E-01
2.00E+02	2.36E-01	0.00E+00	0.00E+00	0.00E+00	2.36E-01
3.00E+02	2.34E-01	0.00E+00	0.00E+00	0.00E+00	2.34E-01
4.00E+02	2.32E-01	0.00E+00	0.00E+00	0.00E+00	2.32E-01
5.00E+02	2.30E-01	0.00E+00	0.00E+00	0.00E+00	2.30E-01
6.00E+02	2.28E-01	0.00E+00	0.00E+00	0.00E+00	2.28E-01
7.00E+02	2.26E-01	0.00E+00	0.00E+00	0.00E+00	2.26E-01
8.00E+02	2.24E-01	0.00E+00	0.00E+00	0.00E+00	2.24E-01
9.00E+02	2.22E-01	0.00E+00	0.00E+00	0.00E+00	2.22E-01
1.00E+03	2.20E-01	0.00E+00	0.00E+00	0.00E+00	2.20E-01
2.00E+03	2.02E-01	0.00E+00	0.00E+00	0.00E+00	2.02E-01
4.00E+03	1.70E-01	0.00E+00	0.00E+00	0.00E+00	1.70E-01
8.00E+03	1.20E-01	0.00E+00	0.00E+00	0.00E+00	1.20E-01
1.00E+04	1.01E-01	0.00E+00	0.00E+00	0.00E+00	1.01E-01
2.00E+04	4.25E-02	0.00E+00	0.00E+00	0.00E+00	4.25E-02

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		1.04E-03		6.07E-05
2.00E-01		2.36E-03		7.42E-04
3.00E-01		3.77E-03		2.64E-03
4.00E-01		5.28E-03		5.93E-03
5.00E-01		6.85E-03		1.05E-02
6.00E-01		8.49E-03		1.61E-02
7.00E-01		1.02E-02		2.25E-02
8.00E-01		1.19E-02		2.94E-02
9.00E-01		1.37E-02		3.66E-02
1.00E+00	1.55E-02	1.55E-02	4.40E-02	4.40E-02
2.00E+00	1.90E-02	3.46E-02	6.23E-02	1.06E-01
3.00E+00	1.88E-02	5.33E-02	3.15E-02	1.38E-01
4.00E+00	1.75E-02	7.08E-02	1.29E-02	1.51E-01
5.00E+00	1.59E-02	8.67E-02	4.98E-03	1.56E-01
6.00E+00	1.45E-02	1.01E-01	1.87E-03	1.58E-01
7.00E+00	1.31E-02	1.14E-01	6.92E-04	1.58E-01
8.00E+00	1.19E-02	1.26E-01	2.55E-04	1.59E-01
9.00E+00	1.08E-02	1.37E-01	9.40E-05	1.59E-01
1.00E+01	9.77E-03	1.47E-01	3.46E-05	1.59E-01
2.00E+01	3.64E-03	2.06E-01	0.00E+00	1.59E-01
3.00E+01	1.37E-03	2.28E-01	0.00E+00	1.59E-01
4.00E+01	5.21E-04	2.36E-01	0.00E+00	1.59E-01
5.00E+01	2.07E-04	2.39E-01	0.00E+00	1.59E-01
6.00E+01	8.97E-05	2.41E-01	0.00E+00	1.59E-01
7.00E+01	4.63E-05	2.41E-01	0.00E+00	1.59E-01
8.00E+01	3.02E-05	2.42E-01	0.00E+00	1.59E-01
9.00E+01	2.42E-05	2.42E-01	0.00E+00	1.59E-01
1.00E+02	2.19E-05	2.42E-01	0.00E+00	1.59E-01
2.00E+02	2.05E-05	2.44E-01	0.00E+00	1.59E-01
3.00E+02	2.03E-05	2.46E-01	0.00E+00	1.59E-01
4.00E+02	2.01E-05	2.48E-01	0.00E+00	1.59E-01
5.00E+02	1.99E-05	2.50E-01	0.00E+00	1.59E-01
6.00E+02	1.98E-05	2.52E-01	0.00E+00	1.59E-01
7.00E+02	1.96E-05	2.54E-01	0.00E+00	1.59E-01
8.00E+02	1.94E-05	2.56E-01	0.00E+00	1.59E-01
9.00E+02	1.93E-05	2.58E-01	0.00E+00	1.59E-01
1.00E+03	1.91E-05	2.60E-01	0.00E+00	1.59E-01
2.00E+03	1.75E-05	2.78E-01	0.00E+00	1.59E-01
4.00E+03	1.47E-05	3.11E-01	0.00E+00	1.59E-01
8.00E+03	1.04E-05	3.60E-01	0.00E+00	1.59E-01
1.00E+04	8.75E-06	3.79E-01	0.00E+00	1.59E-01
2.00E+04	3.68E-06	4.38E-01	0.00E+00	1.59E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	3.37E-01	2.26E-01	3.03E-04	7.41E-02	6.37E-01
2.00E-01	3.95E-01	2.01E-01	2.96E-07	3.72E-02	6.34E-01
3.00E-01	4.19E-01	1.79E-01	0.00E+00	3.14E-02	6.30E-01
4.00E-01	4.36E-01	1.60E-01	0.00E+00	2.98E-02	6.26E-01
5.00E-01	4.51E-01	1.43E-01	0.00E+00	2.85E-02	6.22E-01
6.00E-01	4.63E-01	1.27E-01	0.00E+00	2.71E-02	6.17E-01
7.00E-01	4.74E-01	1.13E-01	0.00E+00	2.56E-02	6.13E-01
8.00E-01	4.84E-01	1.01E-01	0.00E+00	2.41E-02	6.09E-01
9.00E-01	4.92E-01	8.96E-02	0.00E+00	2.25E-02	6.04E-01
1.00E+00	4.99E-01	7.97E-02	0.00E+00	2.10E-02	6.00E-01
2.00E+00	5.31E-01	2.42E-02	0.00E+00	9.24E-03	5.65E-01
3.00E+00	5.31E-01	7.13E-03	0.00E+00	3.64E-03	5.42E-01
4.00E+00	5.24E-01	2.05E-03	0.00E+00	1.38E-03	5.27E-01
5.00E+00	5.15E-01	5.81E-04	0.00E+00	5.12E-04	5.16E-01
6.00E+00	5.07E-01	1.62E-04	0.00E+00	1.89E-04	5.07E-01
7.00E+00	4.99E-01	4.47E-05	0.00E+00	6.98E-05	5.00E-01
8.00E+00	4.92E-01	1.22E-05	0.00E+00	2.57E-05	4.92E-01
9.00E+00	4.85E-01	3.32E-06	0.00E+00	9.47E-06	4.85E-01
1.00E+01	4.78E-01	8.96E-07	0.00E+00	3.48E-06	4.78E-01
2.00E+01	4.16E-01	0.00E+00	0.00E+00	0.00E+00	4.16E-01
3.00E+01	3.63E-01	0.00E+00	0.00E+00	0.00E+00	3.63E-01
4.00E+01	3.16E-01	0.00E+00	0.00E+00	0.00E+00	3.16E-01
5.00E+01	2.75E-01	0.00E+00	0.00E+00	0.00E+00	2.75E-01
6.00E+01	2.39E-01	0.00E+00	0.00E+00	0.00E+00	2.39E-01
7.00E+01	2.08E-01	0.00E+00	0.00E+00	0.00E+00	2.08E-01
8.00E+01	1.81E-01	0.00E+00	0.00E+00	0.00E+00	1.81E-01
9.00E+01	1.58E-01	0.00E+00	0.00E+00	0.00E+00	1.58E-01
1.00E+02	1.37E-01	0.00E+00	0.00E+00	0.00E+00	1.37E-01
2.00E+02	3.44E-02	0.00E+00	0.00E+00	0.00E+00	3.44E-02
3.00E+02	8.59E-03	0.00E+00	0.00E+00	0.00E+00	8.59E-03
4.00E+02	2.15E-03	0.00E+00	0.00E+00	0.00E+00	2.15E-03
5.00E+02	5.37E-04	0.00E+00	0.00E+00	0.00E+00	5.37E-04
6.00E+02	1.34E-04	0.00E+00	0.00E+00	0.00E+00	1.34E-04
7.00E+02	3.36E-05	0.00E+00	0.00E+00	0.00E+00	3.36E-05
8.00E+02	8.40E-06	0.00E+00	0.00E+00	0.00E+00	8.40E-06
9.00E+02	2.10E-06	0.00E+00	0.00E+00	0.00E+00	2.10E-06
1.00E+03	5.25E-07	0.00E+00	0.00E+00	0.00E+00	5.25E-07

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		1.96E-03		4.16E-05
2.00E-01		4.83E-03		3.80E-04
3.00E-01		7.85E-03		1.10E-03
4.00E-01		1.09E-02		2.12E-03
5.00E-01		1.39E-02		3.37E-03
6.00E-01		1.69E-02		4.75E-03
7.00E-01		1.98E-02		6.23E-03
8.00E-01		2.27E-02		7.75E-03
9.00E-01		2.55E-02		9.27E-03
1.00E+00	2.83E-02	2.83E-02	1.08E-02	1.08E-02
2.00E+00	2.37E-02	5.19E-02	1.18E-02	2.26E-02
3.00E+00	1.71E-02	6.90E-02	5.60E-03	2.82E-02
4.00E+00	1.26E-02	8.17E-02	2.26E-03	3.04E-02
5.00E+00	9.99E-03	9.17E-02	8.64E-04	3.13E-02
6.00E+00	8.52E-03	1.00E-01	3.23E-04	3.16E-02
7.00E+00	7.70E-03	1.08E-01	1.20E-04	3.17E-02
8.00E+00	7.24E-03	1.15E-01	4.41E-05	3.18E-02
9.00E+00	6.96E-03	1.22E-01	1.63E-05	3.18E-02
1.00E+01	6.77E-03	1.29E-01	5.98E-06	3.18E-02
2.00E+01	5.81E-03	1.91E-01	0.00E+00	3.18E-02
3.00E+01	5.06E-03	2.45E-01	0.00E+00	3.18E-02
4.00E+01	4.41E-03	2.92E-01	0.00E+00	3.18E-02
5.00E+01	3.84E-03	3.33E-01	0.00E+00	3.18E-02
6.00E+01	3.34E-03	3.68E-01	0.00E+00	3.18E-02
7.00E+01	2.91E-03	3.99E-01	0.00E+00	3.18E-02
8.00E+01	2.53E-03	4.26E-01	0.00E+00	3.18E-02
9.00E+01	2.20E-03	4.49E-01	0.00E+00	3.18E-02
1.00E+02	1.92E-03	4.70E-01	0.00E+00	3.18E-02
2.00E+02	4.80E-04	5.73E-01	0.00E+00	3.18E-02
3.00E+02	1.20E-04	5.99E-01	0.00E+00	3.18E-02
4.00E+02	3.00E-05	6.05E-01	0.00E+00	3.18E-02
5.00E+02	7.50E-06	6.07E-01	0.00E+00	3.18E-02
6.00E+02	1.88E-06	6.07E-01	0.00E+00	3.18E-02
7.00E+02	4.69E-07	6.07E-01	0.00E+00	3.18E-02
8.00E+02	1.17E-07	6.07E-01	0.00E+00	3.18E-02
9.00E+02	2.93E-08	6.07E-01	0.00E+00	3.18E-02

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	3.29E-01	2.26E-01	3.03E-04	7.41E-02	6.29E-01
2.00E-01	3.76E-01	2.01E-01	2.96E-07	3.72E-02	6.15E-01
3.00E-01	3.88E-01	1.79E-01	0.00E+00	3.14E-02	5.99E-01
4.00E-01	3.93E-01	1.60E-01	0.00E+00	2.98E-02	5.83E-01
5.00E-01	3.95E-01	1.43E-01	0.00E+00	2.85E-02	5.66E-01
6.00E-01	3.96E-01	1.27E-01	0.00E+00	2.71E-02	5.50E-01
7.00E-01	3.94E-01	1.13E-01	0.00E+00	2.56E-02	5.33E-01
8.00E-01	3.92E-01	1.01E-01	0.00E+00	2.41E-02	5.17E-01
9.00E-01	3.89E-01	8.96E-02	0.00E+00	2.25E-02	5.01E-01
1.00E+00	3.84E-01	7.97E-02	0.00E+00	2.10E-02	4.85E-01
2.00E+00	3.14E-01	2.42E-02	0.00E+00	9.24E-03	3.48E-01
3.00E+00	2.39E-01	7.13E-03	0.00E+00	3.64E-03	2.50E-01
4.00E+00	1.80E-01	2.05E-03	0.00E+00	1.38E-03	1.84E-01
5.00E+00	1.37E-01	5.81E-04	0.00E+00	5.12E-04	1.38E-01
6.00E+00	1.06E-01	1.62E-04	0.00E+00	1.89E-04	1.06E-01
7.00E+00	8.41E-02	4.47E-05	0.00E+00	6.98E-05	8.42E-02
8.00E+00	6.83E-02	1.22E-05	0.00E+00	2.57E-05	6.83E-02
9.00E+00	5.68E-02	3.32E-06	0.00E+00	9.47E-06	5.68E-02
1.00E+01	4.82E-02	8.96E-07	0.00E+00	3.48E-06	4.82E-02
2.00E+01	1.88E-02	0.00E+00	0.00E+00	0.00E+00	1.88E-02
3.00E+01	1.19E-02	0.00E+00	0.00E+00	0.00E+00	1.19E-02
4.00E+01	8.44E-03	0.00E+00	0.00E+00	0.00E+00	8.44E-03
5.00E+01	6.12E-03	0.00E+00	0.00E+00	0.00E+00	6.12E-03
6.00E+01	4.46E-03	0.00E+00	0.00E+00	0.00E+00	4.46E-03
7.00E+01	3.25E-03	0.00E+00	0.00E+00	0.00E+00	3.25E-03
8.00E+01	2.37E-03	0.00E+00	0.00E+00	0.00E+00	2.37E-03
9.00E+01	1.73E-03	0.00E+00	0.00E+00	0.00E+00	1.73E-03
1.00E+02	1.26E-03	0.00E+00	0.00E+00	0.00E+00	1.26E-03
2.00E+02	5.42E-05	0.00E+00	0.00E+00	0.00E+00	5.42E-05
3.00E+02	2.27E-06	0.00E+00	0.00E+00	0.00E+00	2.27E-06
4.00E+02	2.67E-08	0.00E+00	0.00E+00	0.00E+00	2.67E-08

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		9.72E-03		4.16E-05
2.00E-01		2.40E-02		3.80E-04
3.00E-01		3.91E-02		1.10E-03
4.00E-01		5.44E-02		2.12E-03
5.00E-01		6.96E-02		3.37E-03
6.00E-01		8.48E-02		4.75E-03
7.00E-01		9.98E-02		6.23E-03
8.00E-01		1.15E-01		7.75E-03
9.00E-01		1.29E-01		9.27E-03
1.00E+00	1.44E-01	1.44E-01	1.08E-02	1.08E-02
2.00E+00	1.25E-01	2.69E-01	1.18E-02	2.26E-02
3.00E+00	9.18E-02	3.61E-01	5.60E-03	2.82E-02
4.00E+00	6.44E-02	4.25E-01	2.26E-03	3.04E-02
5.00E+00	4.47E-02	4.70E-01	8.64E-04	3.13E-02
6.00E+00	3.12E-02	5.01E-01	3.23E-04	3.16E-02
7.00E+00	2.21E-02	5.23E-01	1.20E-04	3.17E-02
8.00E+00	1.58E-02	5.39E-01	4.41E-05	3.18E-02
9.00E+00	1.16E-02	5.51E-01	1.63E-05	3.18E-02
1.00E+01	8.60E-03	5.59E-01	5.98E-06	3.18E-02
2.00E+01	1.17E-03	5.89E-01	0.00E+00	3.18E-02
3.00E+01	4.62E-04	5.95E-01	0.00E+00	3.18E-02
4.00E+01	2.82E-04	5.99E-01	0.00E+00	3.18E-02
5.00E+01	1.98E-04	6.01E-01	0.00E+00	3.18E-02
6.00E+01	1.43E-04	6.03E-01	0.00E+00	3.18E-02
7.00E+01	1.04E-04	6.04E-01	0.00E+00	3.18E-02
8.00E+01	7.60E-05	6.05E-01	0.00E+00	3.18E-02
9.00E+01	5.54E-05	6.06E-01	0.00E+00	3.18E-02
1.00E+02	4.05E-05	6.06E-01	0.00E+00	3.18E-02
2.00E+02	1.71E-06	6.07E-01	0.00E+00	3.18E-02
3.00E+02	3.37E-08	6.07E-01	0.00E+00	3.18E-02

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	2.52E-01	2.26E-01	3.03E-04	1.54E-01	6.32E-01
2.00E-01	2.70E-01	2.01E-01	2.96E-07	1.52E-01	6.23E-01
3.00E-01	2.85E-01	1.79E-01	0.00E+00	1.49E-01	6.14E-01
4.00E-01	2.98E-01	1.60E-01	0.00E+00	1.45E-01	6.04E-01
5.00E-01	3.10E-01	1.43E-01	0.00E+00	1.41E-01	5.93E-01
6.00E-01	3.19E-01	1.27E-01	0.00E+00	1.35E-01	5.82E-01
7.00E-01	3.28E-01	1.13E-01	0.00E+00	1.29E-01	5.70E-01
8.00E-01	3.35E-01	1.01E-01	0.00E+00	1.22E-01	5.58E-01
9.00E-01	3.42E-01	8.96E-02	0.00E+00	1.16E-01	5.47E-01
1.00E+00	3.47E-01	7.97E-02	0.00E+00	1.09E-01	5.36E-01
2.00E+00	3.72E-01	2.42E-02	0.00E+00	4.95E-02	4.45E-01
3.00E+00	3.69E-01	7.13E-03	0.00E+00	1.97E-02	3.96E-01
4.00E+00	3.58E-01	2.05E-03	0.00E+00	7.49E-03	3.68E-01
5.00E+00	3.46E-01	5.81E-04	0.00E+00	2.79E-03	3.50E-01
6.00E+00	3.34E-01	1.62E-04	0.00E+00	1.03E-03	3.35E-01
7.00E+00	3.23E-01	4.47E-05	0.00E+00	3.81E-04	3.23E-01
8.00E+00	3.12E-01	1.22E-05	0.00E+00	1.40E-04	3.12E-01
9.00E+00	3.02E-01	3.32E-06	0.00E+00	5.16E-05	3.02E-01
1.00E+01	2.93E-01	8.96E-07	0.00E+00	1.90E-05	2.93E-01
2.00E+01	2.27E-01	0.00E+00	0.00E+00	0.00E+00	2.27E-01
3.00E+01	1.90E-01	0.00E+00	0.00E+00	0.00E+00	1.90E-01
4.00E+01	1.67E-01	0.00E+00	0.00E+00	0.00E+00	1.67E-01
5.00E+01	1.52E-01	0.00E+00	0.00E+00	0.00E+00	1.52E-01
6.00E+01	1.40E-01	0.00E+00	0.00E+00	0.00E+00	1.40E-01
7.00E+01	1.30E-01	0.00E+00	0.00E+00	0.00E+00	1.30E-01
8.00E+01	1.23E-01	0.00E+00	0.00E+00	0.00E+00	1.23E-01
9.00E+01	1.17E-01	0.00E+00	0.00E+00	0.00E+00	1.17E-01
1.00E+02	1.12E-01	0.00E+00	0.00E+00	0.00E+00	1.12E-01
2.00E+02	8.78E-02	0.00E+00	0.00E+00	0.00E+00	8.78E-02
3.00E+02	7.97E-02	0.00E+00	0.00E+00	0.00E+00	7.97E-02
4.00E+02	7.41E-02	0.00E+00	0.00E+00	0.00E+00	7.41E-02
5.00E+02	6.91E-02	0.00E+00	0.00E+00	0.00E+00	6.91E-02
6.00E+02	6.44E-02	0.00E+00	0.00E+00	0.00E+00	6.44E-02
7.00E+02	6.01E-02	0.00E+00	0.00E+00	0.00E+00	6.01E-02
8.00E+02	5.61E-02	0.00E+00	0.00E+00	0.00E+00	5.61E-02
9.00E+02	5.23E-02	0.00E+00	0.00E+00	0.00E+00	5.23E-02
1.00E+03	4.88E-02	0.00E+00	0.00E+00	0.00E+00	4.88E-02
2.00E+03	2.44E-02	0.00E+00	0.00E+00	0.00E+00	2.44E-02
4.00E+03	6.11E-03	0.00E+00	0.00E+00	0.00E+00	6.11E-03
8.00E+03	3.82E-04	0.00E+00	0.00E+00	0.00E+00	3.82E-04
1.00E+04	9.55E-05	0.00E+00	0.00E+00	0.00E+00	9.55E-05
2.00E+04	8.09E-08	0.00E+00	0.00E+00	0.00E+00	8.09E-08

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		7.42E-03		6.04E-05
2.00E-01		1.55E-02		7.33E-04
3.00E-01		2.29E-02		2.60E-03
4.00E-01		2.98E-02		5.81E-03
5.00E-01		3.61E-02		1.02E-02
6.00E-01		4.19E-02		1.56E-02
7.00E-01		4.73E-02		2.18E-02
8.00E-01		5.22E-02		2.84E-02
9.00E-01		5.68E-02		3.54E-02
1.00E+00	6.11E-02	6.11E-02	4.24E-02	4.24E-02
2.00E+00	3.10E-02	9.22E-02	5.92E-02	1.02E-01
3.00E+00	1.99E-02	1.12E-01	2.98E-02	1.31E-01
4.00E+00	1.56E-02	1.28E-01	1.22E-02	1.44E-01
5.00E+00	1.36E-02	1.41E-01	4.70E-03	1.48E-01
6.00E+00	1.24E-02	1.54E-01	1.76E-03	1.50E-01
7.00E+00	1.15E-02	1.65E-01	6.52E-04	1.51E-01
8.00E+00	1.07E-02	1.76E-01	2.41E-04	1.51E-01
9.00E+00	9.93E-03	1.86E-01	8.87E-05	1.51E-01
1.00E+01	9.27E-03	1.95E-01	3.26E-05	1.51E-01
2.00E+01	4.90E-03	2.61E-01	0.00E+00	1.51E-01
3.00E+01	2.90E-03	2.98E-01	0.00E+00	1.51E-01
4.00E+01	1.91E-03	3.21E-01	0.00E+00	1.51E-01
5.00E+01	1.38E-03	3.37E-01	0.00E+00	1.51E-01
6.00E+01	1.05E-03	3.48E-01	0.00E+00	1.51E-01
7.00E+01	8.41E-04	3.58E-01	0.00E+00	1.51E-01
8.00E+01	6.86E-04	3.65E-01	0.00E+00	1.51E-01
9.00E+01	5.68E-04	3.71E-01	0.00E+00	1.51E-01
1.00E+02	4.74E-04	3.77E-01	0.00E+00	1.51E-01
2.00E+02	1.15E-04	4.00E-01	0.00E+00	1.51E-01
3.00E+02	6.28E-05	4.08E-01	0.00E+00	1.51E-01
4.00E+02	5.24E-05	4.14E-01	0.00E+00	1.51E-01
5.00E+02	4.80E-05	4.19E-01	0.00E+00	1.51E-01
6.00E+02	4.47E-05	4.24E-01	0.00E+00	1.51E-01
7.00E+02	4.17E-05	4.28E-01	0.00E+00	1.51E-01
8.00E+02	3.89E-05	4.32E-01	0.00E+00	1.51E-01
9.00E+02	3.63E-05	4.36E-01	0.00E+00	1.51E-01
1.00E+03	3.39E-05	4.39E-01	0.00E+00	1.51E-01
2.00E+03	1.69E-05	4.64E-01	0.00E+00	1.51E-01
4.00E+03	4.23E-06	4.82E-01	0.00E+00	1.51E-01
8.00E+03	2.67E-07	4.88E-01	0.00E+00	1.51E-01
1.00E+04	6.87E-08	4.88E-01	0.00E+00	1.51E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	2.41E-01	2.26E-01	3.03E-04	1.56E-01	6.23E-01
2.00E-01	2.48E-01	2.01E-01	2.96E-07	1.56E-01	6.05E-01
3.00E-01	2.55E-01	1.79E-01	0.00E+00	1.54E-01	5.89E-01
4.00E-01	2.61E-01	1.60E-01	0.00E+00	1.51E-01	5.73E-01
5.00E-01	2.67E-01	1.43E-01	0.00E+00	1.47E-01	5.57E-01
6.00E-01	2.73E-01	1.27E-01	0.00E+00	1.42E-01	5.41E-01
7.00E-01	2.77E-01	1.13E-01	0.00E+00	1.35E-01	5.26E-01
8.00E-01	2.82E-01	1.01E-01	0.00E+00	1.29E-01	5.11E-01
9.00E-01	2.85E-01	8.96E-02	0.00E+00	1.21E-01	4.97E-01
1.00E+00	2.89E-01	7.97E-02	0.00E+00	1.14E-01	4.83E-01
2.00E+00	3.02E-01	2.42E-02	0.00E+00	5.22E-02	3.78E-01
3.00E+00	2.96E-01	7.13E-03	0.00E+00	2.08E-02	3.24E-01
4.00E+00	2.85E-01	2.05E-03	0.00E+00	7.91E-03	2.95E-01
5.00E+00	2.73E-01	5.81E-04	0.00E+00	2.95E-03	2.76E-01
6.00E+00	2.61E-01	1.62E-04	0.00E+00	1.09E-03	2.62E-01
7.00E+00	2.49E-01	4.47E-05	0.00E+00	4.03E-04	2.49E-01
8.00E+00	2.38E-01	1.22E-05	0.00E+00	1.48E-04	2.38E-01
9.00E+00	2.27E-01	3.32E-06	0.00E+00	5.46E-05	2.27E-01
1.00E+01	2.17E-01	8.96E-07	0.00E+00	2.01E-05	2.17E-01
2.00E+01	1.37E-01	0.00E+00	0.00E+00	0.00E+00	1.37E-01
3.00E+01	8.60E-02	0.00E+00	0.00E+00	0.00E+00	8.60E-02
4.00E+01	5.42E-02	0.00E+00	0.00E+00	0.00E+00	5.42E-02
5.00E+01	3.41E-02	0.00E+00	0.00E+00	0.00E+00	3.41E-02
6.00E+01	2.15E-02	0.00E+00	0.00E+00	0.00E+00	2.15E-02
7.00E+01	1.36E-02	0.00E+00	0.00E+00	0.00E+00	1.36E-02
8.00E+01	8.54E-03	0.00E+00	0.00E+00	0.00E+00	8.54E-03
9.00E+01	5.38E-03	0.00E+00	0.00E+00	0.00E+00	5.38E-03
1.00E+02	3.39E-03	0.00E+00	0.00E+00	0.00E+00	3.39E-03
2.00E+02	3.34E-05	0.00E+00	0.00E+00	0.00E+00	3.34E-05
3.00E+02	3.29E-07	0.00E+00	0.00E+00	0.00E+00	3.29E-07

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		1.63E-02		6.07E-05
2.00E-01		3.30E-02		7.41E-04
3.00E-01		4.76E-02		2.64E-03
4.00E-01		6.04E-02		5.92E-03
5.00E-01		7.17E-02		1.05E-02
6.00E-01		8.17E-02		1.61E-02
7.00E-01		9.07E-02		2.24E-02
8.00E-01		9.88E-02		2.93E-02
9.00E-01		1.06E-01		3.65E-02
1.00E+00	1.13E-01	1.13E-01	4.39E-02	4.39E-02
2.00E+00	4.25E-02	1.55E-01	6.21E-02	1.06E-01
3.00E+00	2.26E-02	1.78E-01	3.14E-02	1.37E-01
4.00E+00	1.61E-02	1.94E-01	1.29E-02	1.50E-01
5.00E+00	1.37E-02	2.08E-01	4.96E-03	1.55E-01
6.00E+00	1.25E-02	2.20E-01	1.86E-03	1.57E-01
7.00E+00	1.18E-02	2.32E-01	6.89E-04	1.58E-01
8.00E+00	1.13E-02	2.43E-01	2.54E-04	1.58E-01
9.00E+00	1.07E-02	2.54E-01	9.37E-05	1.58E-01
1.00E+01	1.02E-02	2.64E-01	3.45E-05	1.58E-01
2.00E+01	6.46E-03	3.44E-01	0.00E+00	1.58E-01
3.00E+01	4.07E-03	3.95E-01	0.00E+00	1.58E-01
4.00E+01	2.56E-03	4.27E-01	0.00E+00	1.58E-01
5.00E+01	1.61E-03	4.47E-01	0.00E+00	1.58E-01
6.00E+01	1.02E-03	4.59E-01	0.00E+00	1.58E-01
7.00E+01	6.41E-04	4.67E-01	0.00E+00	1.58E-01
8.00E+01	4.04E-04	4.72E-01	0.00E+00	1.58E-01
9.00E+01	2.54E-04	4.76E-01	0.00E+00	1.58E-01
1.00E+02	1.60E-04	4.78E-01	0.00E+00	1.58E-01
2.00E+02	1.58E-06	4.81E-01	0.00E+00	1.58E-01
3.00E+02	1.57E-08	4.81E-01	0.00E+00	1.58E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	2.58E-01	2.26E-01	3.03E-04	1.54E-01	6.38E-01
2.00E-01	2.84E-01	2.01E-01	2.96E-07	1.52E-01	6.37E-01
3.00E-01	3.06E-01	1.79E-01	0.00E+00	1.49E-01	6.34E-01
4.00E-01	3.25E-01	1.60E-01	0.00E+00	1.45E-01	6.30E-01
5.00E-01	3.41E-01	1.43E-01	0.00E+00	1.41E-01	6.24E-01
6.00E-01	3.56E-01	1.27E-01	0.00E+00	1.35E-01	6.18E-01
7.00E-01	3.68E-01	1.13E-01	0.00E+00	1.29E-01	6.11E-01
8.00E-01	3.80E-01	1.01E-01	0.00E+00	1.22E-01	6.03E-01
9.00E-01	3.90E-01	8.96E-02	0.00E+00	1.16E-01	5.95E-01
1.00E+00	3.98E-01	7.97E-02	0.00E+00	1.09E-01	5.87E-01
2.00E+00	4.41E-01	2.42E-02	0.00E+00	4.95E-02	5.15E-01
3.00E+00	4.47E-01	7.13E-03	0.00E+00	1.97E-02	4.73E-01
4.00E+00	4.41E-01	2.05E-03	0.00E+00	7.49E-03	4.50E-01
5.00E+00	4.32E-01	5.81E-04	0.00E+00	2.79E-03	4.35E-01
6.00E+00	4.23E-01	1.62E-04	0.00E+00	1.03E-03	4.24E-01
7.00E+00	4.15E-01	4.47E-05	0.00E+00	3.81E-04	4.15E-01
8.00E+00	4.07E-01	1.22E-05	0.00E+00	1.40E-04	4.07E-01
9.00E+00	3.99E-01	3.32E-06	0.00E+00	5.16E-05	3.99E-01
1.00E+01	3.92E-01	8.96E-07	0.00E+00	1.90E-05	3.92E-01
2.00E+01	3.36E-01	0.00E+00	0.00E+00	0.00E+00	3.36E-01
3.00E+01	2.92E-01	0.00E+00	0.00E+00	0.00E+00	2.92E-01
4.00E+01	2.54E-01	0.00E+00	0.00E+00	0.00E+00	2.54E-01
5.00E+01	2.21E-01	0.00E+00	0.00E+00	0.00E+00	2.21E-01
6.00E+01	1.92E-01	0.00E+00	0.00E+00	0.00E+00	1.92E-01
7.00E+01	1.68E-01	0.00E+00	0.00E+00	0.00E+00	1.68E-01
8.00E+01	1.46E-01	0.00E+00	0.00E+00	0.00E+00	1.46E-01
9.00E+01	1.27E-01	0.00E+00	0.00E+00	0.00E+00	1.27E-01
1.00E+02	1.11E-01	0.00E+00	0.00E+00	0.00E+00	1.11E-01
2.00E+02	2.76E-02	0.00E+00	0.00E+00	0.00E+00	2.76E-02
3.00E+02	6.91E-03	0.00E+00	0.00E+00	0.00E+00	6.91E-03
4.00E+02	1.73E-03	0.00E+00	0.00E+00	0.00E+00	1.73E-03
5.00E+02	4.32E-04	0.00E+00	0.00E+00	0.00E+00	4.32E-04
6.00E+02	1.08E-04	0.00E+00	0.00E+00	0.00E+00	1.08E-04
7.00E+02	2.70E-05	0.00E+00	0.00E+00	0.00E+00	2.70E-05
8.00E+02	6.76E-06	0.00E+00	0.00E+00	0.00E+00	6.76E-06
9.00E+02	1.69E-06	0.00E+00	0.00E+00	0.00E+00	1.69E-06
1.00E+03	4.22E-07	0.00E+00	0.00E+00	0.00E+00	4.22E-07

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
	DAYS			
1.00E-01		6.80E-04		6.04E-05
2.00E-01		1.55E-03		7.33E-04
3.00E-01		2.48E-03		2.60E-03
4.00E-01		3.47E-03		5.81E-03
5.00E-01		4.51E-03		1.02E-02
6.00E-01		5.59E-03		1.56E-02
7.00E-01		6.70E-03		2.18E-02
8.00E-01		7.84E-03		2.84E-02
9.00E-01		9.00E-03		3.54E-02
1.00E+00	1.02E-02	1.02E-02	4.24E-02	4.24E-02
2.00E+00	1.23E-02	2.25E-02	5.92E-02	1.02E-01
3.00E+00	1.19E-02	3.44E-02	2.98E-02	1.31E-01
4.00E+00	1.10E-02	4.54E-02	1.22E-02	1.44E-01
5.00E+00	1.01E-02	5.56E-02	4.70E-03	1.48E-01
6.00E+00	9.27E-03	6.48E-02	1.76E-03	1.50E-01
7.00E+00	8.55E-03	7.34E-02	6.52E-04	1.51E-01
8.00E+00	7.95E-03	8.13E-02	2.41E-04	1.51E-01
9.00E+00	7.44E-03	8.88E-02	8.87E-05	1.51E-01
1.00E+01	7.00E-03	9.58E-02	3.26E-05	1.51E-01
2.00E+01	4.90E-03	1.52E-01	0.00E+00	1.51E-01
3.00E+01	4.10E-03	1.96E-01	0.00E+00	1.51E-01
4.00E+01	3.55E-03	2.34E-01	0.00E+00	1.51E-01
5.00E+01	3.09E-03	2.67E-01	0.00E+00	1.51E-01
6.00E+01	2.69E-03	2.96E-01	0.00E+00	1.51E-01
7.00E+01	2.34E-03	3.21E-01	0.00E+00	1.51E-01
8.00E+01	2.04E-03	3.42E-01	0.00E+00	1.51E-01
9.00E+01	1.77E-03	3.61E-01	0.00E+00	1.51E-01
1.00E+02	1.54E-03	3.78E-01	0.00E+00	1.51E-01
2.00E+02	3.86E-04	4.60E-01	0.00E+00	1.51E-01
3.00E+02	9.65E-05	4.81E-01	0.00E+00	1.51E-01
4.00E+02	2.41E-05	4.86E-01	0.00E+00	1.51E-01
5.00E+02	6.03E-06	4.88E-01	0.00E+00	1.51E-01
6.00E+02	1.51E-06	4.88E-01	0.00E+00	1.51E-01
7.00E+02	3.77E-07	4.88E-01	0.00E+00	1.51E-01
8.00E+02	9.43E-08	4.88E-01	0.00E+00	1.51E-01
9.00E+02	2.36E-08	4.88E-01	0.00E+00	1.51E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	2.59E-01	2.26E-01	3.03E-04	1.54E-01	6.39E-01
2.00E-01	2.85E-01	2.01E-01	2.96E-07	1.52E-01	6.38E-01
3.00E-01	3.08E-01	1.79E-01	0.00E+00	1.49E-01	6.37E-01
4.00E-01	3.28E-01	1.60E-01	0.00E+00	1.45E-01	6.33E-01
5.00E-01	3.46E-01	1.43E-01	0.00E+00	1.41E-01	6.29E-01
6.00E-01	3.61E-01	1.27E-01	0.00E+00	1.35E-01	6.23E-01
7.00E-01	3.75E-01	1.13E-01	0.00E+00	1.29E-01	6.17E-01
8.00E-01	3.88E-01	1.01E-01	0.00E+00	1.22E-01	6.11E-01
9.00E-01	3.99E-01	8.96E-02	0.00E+00	1.16E-01	6.04E-01
1.00E+00	4.08E-01	7.97E-02	0.00E+00	1.09E-01	5.97E-01
2.00E+00	4.64E-01	2.42E-02	0.00E+00	4.95E-02	5.37E-01
3.00E+00	4.81E-01	7.13E-03	0.00E+00	1.97E-02	5.08E-01
4.00E+00	4.86E-01	2.05E-03	0.00E+00	7.49E-03	4.95E-01
5.00E+00	4.87E-01	5.81E-04	0.00E+00	2.79E-03	4.91E-01
6.00E+00	4.88E-01	1.62E-04	0.00E+00	1.03E-03	4.89E-01
7.00E+00	4.88E-01	4.47E-05	0.00E+00	3.81E-04	4.88E-01
8.00E+00	4.88E-01	1.22E-05	0.00E+00	1.40E-04	4.88E-01
9.00E+00	4.88E-01	3.32E-06	0.00E+00	5.16E-05	4.88E-01
1.00E+01	4.88E-01	8.96E-07	0.00E+00	1.90E-05	4.88E-01
2.00E+01	4.87E-01	0.00E+00	0.00E+00	0.00E+00	4.87E-01
3.00E+01	4.87E-01	0.00E+00	0.00E+00	0.00E+00	4.87E-01
4.00E+01	4.87E-01	0.00E+00	0.00E+00	0.00E+00	4.87E-01
5.00E+01	4.86E-01	0.00E+00	0.00E+00	0.00E+00	4.86E-01
6.00E+01	4.86E-01	0.00E+00	0.00E+00	0.00E+00	4.86E-01
7.00E+01	4.86E-01	0.00E+00	0.00E+00	0.00E+00	4.86E-01
8.00E+01	4.85E-01	0.00E+00	0.00E+00	0.00E+00	4.85E-01
9.00E+01	4.85E-01	0.00E+00	0.00E+00	0.00E+00	4.85E-01
1.00E+02	4.84E-01	0.00E+00	0.00E+00	0.00E+00	4.84E-01
2.00E+02	4.81E-01	0.00E+00	0.00E+00	0.00E+00	4.81E-01
3.00E+02	4.77E-01	0.00E+00	0.00E+00	0.00E+00	4.77E-01
4.00E+02	4.73E-01	0.00E+00	0.00E+00	0.00E+00	4.73E-01
5.00E+02	4.70E-01	0.00E+00	0.00E+00	0.00E+00	4.70E-01
6.00E+02	4.66E-01	0.00E+00	0.00E+00	0.00E+00	4.66E-01
7.00E+02	4.63E-01	0.00E+00	0.00E+00	0.00E+00	4.63E-01
8.00E+02	4.59E-01	0.00E+00	0.00E+00	0.00E+00	4.59E-01
9.00E+02	4.56E-01	0.00E+00	0.00E+00	0.00E+00	4.56E-01
1.00E+03	4.52E-01	0.00E+00	0.00E+00	0.00E+00	4.52E-01
2.00E+03	4.19E-01	0.00E+00	0.00E+00	0.00E+00	4.19E-01
4.00E+03	3.60E-01	0.00E+00	0.00E+00	0.00E+00	3.60E-01
8.00E+03	2.66E-01	0.00E+00	0.00E+00	0.00E+00	2.66E-01
1.00E+04	2.28E-01	0.00E+00	0.00E+00	0.00E+00	2.28E-01
2.00E+04	1.07E-01	0.00E+00	0.00E+00	0.00E+00	1.07E-01

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		1.61E-06		6.04E-05
2.00E-01		3.68E-06		7.33E-04
3.00E-01		5.93E-06		2.60E-03
4.00E-01		8.35E-06		5.81E-03
5.00E-01		1.09E-05		1.02E-02
6.00E-01		1.36E-05		1.56E-02
7.00E-01		1.64E-05		2.18E-02
8.00E-01		1.93E-05		2.84E-02
9.00E-01		2.23E-05		3.54E-02
1.00E+00	2.53E-05	2.53E-05	4.24E-02	4.24E-02
2.00E+00	3.35E-05	5.89E-05	5.92E-02	1.02E-01
3.00E+00	3.60E-05	9.49E-05	2.98E-02	1.31E-01
4.00E+00	3.68E-05	1.32E-04	1.22E-02	1.44E-01
5.00E+00	3.70E-05	1.69E-04	4.70E-03	1.48E-01
6.00E+00	3.70E-05	2.06E-04	1.76E-03	1.50E-01
7.00E+00	3.70E-05	2.43E-04	6.52E-04	1.51E-01
8.00E+00	3.70E-05	2.80E-04	2.41E-04	1.51E-01
9.00E+00	3.70E-05	3.17E-04	8.87E-05	1.51E-01
1.00E+01	3.70E-05	3.54E-04	3.26E-05	1.51E-01
2.00E+01	3.70E-05	7.24E-04	0.00E+00	1.51E-01
3.00E+01	3.70E-05	1.09E-03	0.00E+00	1.51E-01
4.00E+01	3.70E-05	1.46E-03	0.00E+00	1.51E-01
5.00E+01	3.69E-05	1.83E-03	0.00E+00	1.51E-01
6.00E+01	3.69E-05	2.20E-03	0.00E+00	1.51E-01
7.00E+01	3.69E-05	2.57E-03	0.00E+00	1.51E-01
8.00E+01	3.68E-05	2.94E-03	0.00E+00	1.51E-01
9.00E+01	3.68E-05	3.31E-03	0.00E+00	1.51E-01
1.00E+02	3.68E-05	3.68E-03	0.00E+00	1.51E-01
2.00E+02	3.65E-05	7.34E-03	0.00E+00	1.51E-01
3.00E+02	3.62E-05	1.10E-02	0.00E+00	1.51E-01
4.00E+02	3.60E-05	1.46E-02	0.00E+00	1.51E-01
5.00E+02	3.57E-05	1.82E-02	0.00E+00	1.51E-01
6.00E+02	3.54E-05	2.17E-02	0.00E+00	1.51E-01
7.00E+02	3.52E-05	2.53E-02	0.00E+00	1.51E-01
8.00E+02	3.49E-05	2.88E-02	0.00E+00	1.51E-01
9.00E+02	3.46E-05	3.22E-02	0.00E+00	1.51E-01
1.00E+03	3.44E-05	3.57E-02	0.00E+00	1.51E-01
2.00E+03	3.18E-05	6.88E-02	0.00E+00	1.51E-01
4.00E+03	2.74E-05	1.28E-01	0.00E+00	1.51E-01
8.00E+03	2.02E-05	2.22E-01	0.00E+00	1.51E-01
1.00E+04	1.73E-05	2.60E-01	0.00E+00	1.51E-01
2.00E+04	8.12E-06	3.81E-01	0.00E+00	1.51E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	2.58E-01	2.26E-01	3.03E-04	1.55E-01	6.39E-01
2.00E-01	2.83E-01	2.01E-01	2.96E-07	1.54E-01	6.38E-01
3.00E-01	3.04E-01	1.79E-01	0.00E+00	1.53E-01	6.36E-01
4.00E-01	3.24E-01	1.60E-01	0.00E+00	1.49E-01	6.33E-01
5.00E-01	3.41E-01	1.43E-01	0.00E+00	1.45E-01	6.29E-01
6.00E-01	3.57E-01	1.27E-01	0.00E+00	1.40E-01	6.23E-01
7.00E-01	3.71E-01	1.13E-01	0.00E+00	1.33E-01	6.17E-01
8.00E-01	3.83E-01	1.01E-01	0.00E+00	1.27E-01	6.10E-01
9.00E-01	3.94E-01	8.96E-02	0.00E+00	1.20E-01	6.03E-01
1.00E+00	4.04E-01	7.97E-02	0.00E+00	1.12E-01	5.96E-01
2.00E+00	4.59E-01	2.42E-02	0.00E+00	5.13E-02	5.35E-01
3.00E+00	4.76E-01	7.13E-03	0.00E+00	2.04E-02	5.04E-01
4.00E+00	4.81E-01	2.05E-03	0.00E+00	7.77E-03	4.91E-01
5.00E+00	4.83E-01	5.81E-04	0.00E+00	2.90E-03	4.86E-01
6.00E+00	4.83E-01	1.62E-04	0.00E+00	1.07E-03	4.84E-01
7.00E+00	4.83E-01	4.47E-05	0.00E+00	3.95E-04	4.84E-01
8.00E+00	4.83E-01	1.22E-05	0.00E+00	1.46E-04	4.83E-01
9.00E+00	4.83E-01	3.32E-06	0.00E+00	5.36E-05	4.83E-01
1.00E+01	4.83E-01	8.96E-07	0.00E+00	1.97E-05	4.83E-01
2.00E+01	4.83E-01	0.00E+00	0.00E+00	0.00E+00	4.83E-01
3.00E+01	4.83E-01	0.00E+00	0.00E+00	0.00E+00	4.83E-01
4.00E+01	4.83E-01	0.00E+00	0.00E+00	0.00E+00	4.83E-01
5.00E+01	4.83E-01	0.00E+00	0.00E+00	0.00E+00	4.83E-01
6.00E+01	4.83E-01	0.00E+00	0.00E+00	0.00E+00	4.83E-01
7.00E+01	4.83E-01	0.00E+00	0.00E+00	0.00E+00	4.83E-01
8.00E+01	4.83E-01	0.00E+00	0.00E+00	0.00E+00	4.83E-01
9.00E+01	4.83E-01	0.00E+00	0.00E+00	0.00E+00	4.83E-01
1.00E+02	4.83E-01	0.00E+00	0.00E+00	0.00E+00	4.83E-01
2.00E+02	4.83E-01	0.00E+00	0.00E+00	0.00E+00	4.83E-01
3.00E+02	4.83E-01	0.00E+00	0.00E+00	0.00E+00	4.83E-01
4.00E+02	4.83E-01	0.00E+00	0.00E+00	0.00E+00	4.83E-01
5.00E+02	4.83E-01	0.00E+00	0.00E+00	0.00E+00	4.83E-01
6.00E+02	4.83E-01	0.00E+00	0.00E+00	0.00E+00	4.83E-01
7.00E+02	4.83E-01	0.00E+00	0.00E+00	0.00E+00	4.83E-01
8.00E+02	4.83E-01	0.00E+00	0.00E+00	0.00E+00	4.83E-01
9.00E+02	4.83E-01	0.00E+00	0.00E+00	0.00E+00	4.83E-01
1.00E+03	4.83E-01	0.00E+00	0.00E+00	0.00E+00	4.83E-01
2.00E+03	4.83E-01	0.00E+00	0.00E+00	0.00E+00	4.83E-01
4.00E+03	4.83E-01	0.00E+00	0.00E+00	0.00E+00	4.83E-01
8.00E+03	4.83E-01	0.00E+00	0.00E+00	0.00E+00	4.83E-01
1.00E+04	4.83E-01	0.00E+00	0.00E+00	0.00E+00	4.83E-01
2.00E+04	4.83E-01	0.00E+00	0.00E+00	0.00E+00	4.83E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	2.31E-01	2.26E-01	3.03E-04	1.55E-01	6.13E-01
2.00E-01	2.29E-01	2.01E-01	2.96E-07	1.54E-01	5.85E-01
3.00E-01	2.28E-01	1.79E-01	0.00E+00	1.53E-01	5.60E-01
4.00E-01	2.26E-01	1.60E-01	0.00E+00	1.49E-01	5.36E-01
5.00E-01	2.26E-01	1.43E-01	0.00E+00	1.45E-01	5.13E-01
6.00E-01	2.26E-01	1.27E-01	0.00E+00	1.40E-01	4.92E-01
7.00E-01	2.26E-01	1.13E-01	0.00E+00	1.33E-01	4.72E-01
8.00E-01	2.26E-01	1.01E-01	0.00E+00	1.27E-01	4.53E-01
9.00E-01	2.26E-01	8.96E-02	0.00E+00	1.20E-01	4.35E-01
1.00E+00	2.26E-01	7.97E-02	0.00E+00	1.12E-01	4.18E-01
2.00E+00	2.25E-01	2.42E-02	0.00E+00	5.13E-02	3.00E-01
3.00E+00	2.20E-01	7.13E-03	0.00E+00	2.04E-02	2.47E-01
4.00E+00	2.14E-01	2.05E-03	0.00E+00	7.77E-03	2.24E-01
5.00E+00	2.09E-01	5.81E-04	0.00E+00	2.90E-03	2.12E-01
6.00E+00	2.04E-01	1.62E-04	0.00E+00	1.07E-03	2.05E-01
7.00E+00	1.99E-01	4.47E-05	0.00E+00	3.95E-04	2.00E-01
8.00E+00	1.96E-01	1.22E-05	0.00E+00	1.46E-04	1.96E-01
9.00E+00	1.92E-01	3.32E-06	0.00E+00	5.36E-05	1.92E-01
1.00E+01	1.89E-01	8.96E-07	0.00E+00	1.97E-05	1.89E-01
2.00E+01	1.70E-01	0.00E+00	0.00E+00	0.00E+00	1.70E-01
3.00E+01	1.59E-01	0.00E+00	0.00E+00	0.00E+00	1.59E-01
4.00E+01	1.52E-01	0.00E+00	0.00E+00	0.00E+00	1.52E-01
5.00E+01	1.45E-01	0.00E+00	0.00E+00	0.00E+00	1.45E-01
6.00E+01	1.40E-01	0.00E+00	0.00E+00	0.00E+00	1.40E-01
7.00E+01	1.36E-01	0.00E+00	0.00E+00	0.00E+00	1.36E-01
8.00E+01	1.32E-01	0.00E+00	0.00E+00	0.00E+00	1.32E-01
9.00E+01	1.28E-01	0.00E+00	0.00E+00	0.00E+00	1.28E-01
1.00E+02	1.25E-01	0.00E+00	0.00E+00	0.00E+00	1.25E-01
2.00E+02	1.03E-01	0.00E+00	0.00E+00	0.00E+00	1.03E-01
3.00E+02	8.63E-02	0.00E+00	0.00E+00	0.00E+00	8.63E-02
4.00E+02	7.26E-02	0.00E+00	0.00E+00	0.00E+00	7.26E-02
5.00E+02	6.10E-02	0.00E+00	0.00E+00	0.00E+00	6.10E-02
6.00E+02	5.13E-02	0.00E+00	0.00E+00	0.00E+00	5.13E-02
7.00E+02	4.32E-02	0.00E+00	0.00E+00	0.00E+00	4.32E-02
8.00E+02	3.63E-02	0.00E+00	0.00E+00	0.00E+00	3.63E-02
9.00E+02	3.05E-02	0.00E+00	0.00E+00	0.00E+00	3.05E-02
1.00E+03	2.57E-02	0.00E+00	0.00E+00	0.00E+00	2.57E-02
2.00E+03	4.54E-03	0.00E+00	0.00E+00	0.00E+00	4.54E-03
4.00E+03	1.42E-04	0.00E+00	0.00E+00	0.00E+00	1.42E-04
7.00E+03	7.85E-07	0.00E+00	0.00E+00	0.00E+00	7.85E-07
8.00E+03	1.39E-07	0.00E+00	0.00E+00	0.00E+00	1.39E-07
9.00E+03	2.44E-08	0.00E+00	0.00E+00	0.00E+00	2.44E-08

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		2.65E-02		6.06E-05
2.00E-01		5.35E-02		7.39E-04
3.00E-01		7.70E-02		2.63E-03
4.00E-01		9.74E-02		5.88E-03
5.00E-01		1.15E-01		1.04E-02
6.00E-01		1.31E-01		1.59E-02
7.00E-01		1.45E-01		2.22E-02
8.00E-01		1.57E-01		2.90E-02
9.00E-01		1.68E-01		3.61E-02
1.00E+00	1.78E-01	1.78E-01	4.34E-02	4.34E-02
2.00E+00	5.64E-02	2.34E-01	6.11E-02	1.05E-01
3.00E+00	2.21E-02	2.56E-01	3.08E-02	1.35E-01
4.00E+00	1.09E-02	2.67E-01	1.27E-02	1.48E-01
5.00E+00	6.95E-03	2.74E-01	4.87E-03	1.53E-01
6.00E+00	5.32E-03	2.79E-01	1.83E-03	1.55E-01
7.00E+00	4.46E-03	2.84E-01	6.77E-04	1.55E-01
8.00E+00	3.88E-03	2.88E-01	2.50E-04	1.56E-01
9.00E+00	3.43E-03	2.91E-01	9.20E-05	1.56E-01
1.00E+01	3.06E-03	2.94E-01	3.39E-05	1.56E-01
2.00E+01	1.35E-03	3.13E-01	0.00E+00	1.56E-01
3.00E+01	8.93E-04	3.24E-01	0.00E+00	1.56E-01
4.00E+01	6.99E-04	3.32E-01	0.00E+00	1.56E-01
5.00E+01	5.77E-04	3.38E-01	0.00E+00	1.56E-01
6.00E+01	4.88E-04	3.43E-01	0.00E+00	1.56E-01
7.00E+01	4.21E-04	3.48E-01	0.00E+00	1.56E-01
8.00E+01	3.69E-04	3.52E-01	0.00E+00	1.56E-01
9.00E+01	3.29E-04	3.55E-01	0.00E+00	1.56E-01
1.00E+02	2.98E-04	3.58E-01	0.00E+00	1.56E-01
2.00E+02	1.83E-04	3.81E-01	0.00E+00	1.56E-01
3.00E+02	1.50E-04	3.97E-01	0.00E+00	1.56E-01
4.00E+02	1.26E-04	4.11E-01	0.00E+00	1.56E-01
5.00E+02	1.06E-04	4.22E-01	0.00E+00	1.56E-01
6.00E+02	8.90E-05	4.32E-01	0.00E+00	1.56E-01
7.00E+02	7.48E-05	4.40E-01	0.00E+00	1.56E-01
8.00E+02	6.29E-05	4.47E-01	0.00E+00	1.56E-01
9.00E+02	5.29E-05	4.53E-01	0.00E+00	1.56E-01
1.00E+03	4.45E-05	4.58E-01	0.00E+00	1.56E-01
2.00E+03	7.87E-06	4.79E-01	0.00E+00	1.56E-01
4.00E+03	2.49E-07	4.83E-01	0.00E+00	1.56E-01
6.00E+03	1.19E-08	4.83E-01	0.00E+00	1.56E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	2.57E-01	2.26E-01	3.03E-04	1.47E-01	6.30E-01
2.00E-01	2.80E-01	2.01E-01	2.96E-07	1.36E-01	6.18E-01
3.00E-01	2.96E-01	1.79E-01	0.00E+00	1.29E-01	6.05E-01
4.00E-01	3.06E-01	1.60E-01	0.00E+00	1.24E-01	5.90E-01
5.00E-01	3.13E-01	1.43E-01	0.00E+00	1.19E-01	5.74E-01
6.00E-01	3.18E-01	1.27E-01	0.00E+00	1.13E-01	5.58E-01
7.00E-01	3.21E-01	1.13E-01	0.00E+00	1.08E-01	5.41E-01
8.00E-01	3.22E-01	1.01E-01	0.00E+00	1.02E-01	5.25E-01
9.00E-01	3.23E-01	8.96E-02	0.00E+00	9.60E-02	5.08E-01
1.00E+00	3.23E-01	7.97E-02	0.00E+00	9.00E-02	4.92E-01
2.00E+00	3.00E-01	2.42E-02	0.00E+00	4.06E-02	3.65E-01
3.00E+00	2.73E-01	7.13E-03	0.00E+00	1.61E-02	2.97E-01
4.00E+00	2.55E-01	2.05E-03	0.00E+00	6.13E-03	2.63E-01
5.00E+00	2.44E-01	5.81E-04	0.00E+00	2.28E-03	2.47E-01
6.00E+00	2.36E-01	1.62E-04	0.00E+00	8.45E-04	2.37E-01
7.00E+00	2.31E-01	4.47E-05	0.00E+00	3.12E-04	2.31E-01
8.00E+00	2.27E-01	1.22E-05	0.00E+00	1.15E-04	2.27E-01
9.00E+00	2.23E-01	3.32E-06	0.00E+00	4.22E-05	2.23E-01
1.00E+01	2.20E-01	8.96E-07	0.00E+00	1.55E-05	2.20E-01
2.00E+01	1.93E-01	0.00E+00	0.00E+00	0.00E+00	1.93E-01
3.00E+01	1.73E-01	0.00E+00	0.00E+00	0.00E+00	1.73E-01
4.00E+01	1.60E-01	0.00E+00	0.00E+00	0.00E+00	1.60E-01
5.00E+01	1.50E-01	0.00E+00	0.00E+00	0.00E+00	1.50E-01
6.00E+01	1.43E-01	0.00E+00	0.00E+00	0.00E+00	1.43E-01
7.00E+01	1.38E-01	0.00E+00	0.00E+00	0.00E+00	1.38E-01
8.00E+01	1.35E-01	0.00E+00	0.00E+00	0.00E+00	1.35E-01
9.00E+01	1.32E-01	0.00E+00	0.00E+00	0.00E+00	1.32E-01
1.00E+02	1.30E-01	0.00E+00	0.00E+00	0.00E+00	1.30E-01
2.00E+02	1.25E-01	0.00E+00	0.00E+00	0.00E+00	1.25E-01
3.00E+02	1.23E-01	0.00E+00	0.00E+00	0.00E+00	1.23E-01
4.00E+02	1.21E-01	0.00E+00	0.00E+00	0.00E+00	1.21E-01
5.00E+02	1.19E-01	0.00E+00	0.00E+00	0.00E+00	1.19E-01
6.00E+02	1.18E-01	0.00E+00	0.00E+00	0.00E+00	1.18E-01
7.00E+02	1.16E-01	0.00E+00	0.00E+00	0.00E+00	1.16E-01
8.00E+02	1.15E-01	0.00E+00	0.00E+00	0.00E+00	1.15E-01
9.00E+02	1.13E-01	0.00E+00	0.00E+00	0.00E+00	1.13E-01
1.00E+03	1.11E-01	0.00E+00	0.00E+00	0.00E+00	1.11E-01
2.00E+03	9.70E-02	0.00E+00	0.00E+00	0.00E+00	9.70E-02
4.00E+03	7.35E-02	0.00E+00	0.00E+00	0.00E+00	7.35E-02
8.00E+03	4.22E-02	0.00E+00	0.00E+00	0.00E+00	4.22E-02
1.00E+04	3.20E-02	0.00E+00	0.00E+00	0.00E+00	3.20E-02
2.00E+04	8.00E-03	0.00E+00	0.00E+00	0.00E+00	8.00E-03

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	24-HOUR URINE	ACCUMULATED URINE	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		6.85E-03		2.34E-03
2.00E-01		1.53E-02		5.81E-03
3.00E-01		2.41E-02		1.05E-02
4.00E-01		3.29E-02		1.64E-02
5.00E-01		4.17E-02		2.32E-02
6.00E-01		5.03E-02		3.09E-02
7.00E-01		5.87E-02		3.90E-02
8.00E-01		6.68E-02		4.75E-02
9.00E-01		7.46E-02		5.60E-02
1.00E+00	8.22E-02	8.22E-02	6.45E-02	6.45E-02
2.00E+00	5.85E-02	1.41E-01	6.89E-02	1.33E-01
3.00E+00	3.29E-02	1.74E-01	3.55E-02	1.69E-01
4.00E+00	1.75E-02	1.91E-01	1.59E-02	1.85E-01
5.00E+00	9.60E-03	2.01E-01	7.04E-03	1.92E-01
6.00E+00	5.79E-03	2.07E-01	3.37E-03	1.95E-01
7.00E+00	4.01E-03	2.11E-01	1.87E-03	1.97E-01
8.00E+00	3.18E-03	2.14E-01	1.26E-03	1.98E-01
9.00E+00	2.77E-03	2.17E-01	9.96E-04	1.99E-01
1.00E+01	2.55E-03	2.19E-01	8.75E-04	2.00E-01
2.00E+01	1.73E-03	2.39E-01	5.77E-04	2.07E-01
3.00E+01	1.23E-03	2.54E-01	4.10E-04	2.12E-01
4.00E+01	8.73E-04	2.64E-01	2.91E-04	2.15E-01
5.00E+01	6.21E-04	2.71E-01	2.07E-04	2.18E-01
6.00E+01	4.43E-04	2.77E-01	1.48E-04	2.19E-01
7.00E+01	3.17E-04	2.80E-01	1.06E-04	2.21E-01
8.00E+01	2.28E-04	2.83E-01	7.60E-05	2.21E-01
9.00E+01	1.65E-04	2.85E-01	5.51E-05	2.22E-01
1.00E+02	1.21E-04	2.86E-01	4.02E-05	2.23E-01
2.00E+02	1.63E-05	2.90E-01	5.43E-06	2.24E-01
3.00E+02	1.29E-05	2.92E-01	4.29E-06	2.24E-01
4.00E+02	1.26E-05	2.93E-01	4.20E-06	2.25E-01
5.00E+02	1.24E-05	2.94E-01	4.14E-06	2.25E-01
6.00E+02	1.22E-05	2.96E-01	4.08E-06	2.26E-01
7.00E+02	1.21E-05	2.97E-01	4.03E-06	2.26E-01
8.00E+02	1.19E-05	2.98E-01	3.97E-06	2.27E-01
9.00E+02	1.17E-05	2.99E-01	3.92E-06	2.27E-01
1.00E+03	1.16E-05	3.00E-01	3.86E-06	2.27E-01
2.00E+03	1.01E-05	3.11E-01	3.36E-06	2.31E-01
4.00E+03	7.64E-06	3.29E-01	2.55E-06	2.37E-01
8.00E+03	4.39E-06	3.52E-01	1.46E-06	2.45E-01
1.00E+04	3.32E-06	3.60E-01	1.11E-06	2.47E-01
2.00E+04	8.23E-07	3.78E-01	2.77E-07	2.53E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	3.41E-01	2.26E-01	3.03E-04	2.17E-02	5.89E-01
2.00E-01	3.27E-01	2.01E-01	2.96E-07	2.28E-03	5.30E-01
3.00E-01	3.01E-01	1.79E-01	0.00E+00	4.15E-04	4.81E-01
4.00E-01	2.79E-01	1.60E-01	0.00E+00	1.85E-04	4.39E-01
5.00E-01	2.62E-01	1.43E-01	0.00E+00	1.21E-04	4.05E-01
6.00E-01	2.49E-01	1.27E-01	0.00E+00	8.47E-05	3.76E-01
7.00E-01	2.39E-01	1.13E-01	0.00E+00	5.98E-05	3.52E-01
8.00E-01	2.30E-01	1.01E-01	0.00E+00	4.23E-05	3.31E-01
9.00E-01	2.24E-01	8.96E-02	0.00E+00	2.99E-05	3.13E-01
1.00E+00	2.19E-01	7.97E-02	0.00E+00	2.12E-05	2.98E-01
2.00E+00	1.98E-01	2.42E-02	0.00E+00	7.04E-07	2.22E-01
3.00E+00	1.93E-01	7.13E-03	0.00E+00	3.82E-08	2.01E-01
4.00E+00	1.92E-01	2.05E-03	0.00E+00	0.00E+00	1.94E-01
5.00E+00	1.91E-01	5.81E-04	0.00E+00	0.00E+00	1.92E-01
6.00E+00	1.91E-01	1.62E-04	0.00E+00	0.00E+00	1.91E-01
7.00E+00	1.91E-01	4.47E-05	0.00E+00	0.00E+00	1.91E-01
8.00E+00	1.90E-01	1.22E-05	0.00E+00	0.00E+00	1.90E-01
9.00E+00	1.90E-01	3.32E-06	0.00E+00	0.00E+00	1.90E-01
1.00E+01	1.89E-01	8.96E-07	0.00E+00	0.00E+00	1.89E-01
2.00E+01	1.83E-01	0.00E+00	0.00E+00	0.00E+00	1.83E-01
3.00E+01	1.75E-01	0.00E+00	0.00E+00	0.00E+00	1.75E-01
4.00E+01	1.66E-01	0.00E+00	0.00E+00	0.00E+00	1.66E-01
5.00E+01	1.57E-01	0.00E+00	0.00E+00	0.00E+00	1.57E-01
6.00E+01	1.49E-01	0.00E+00	0.00E+00	0.00E+00	1.49E-01
7.00E+01	1.40E-01	0.00E+00	0.00E+00	0.00E+00	1.40E-01
8.00E+01	1.32E-01	0.00E+00	0.00E+00	0.00E+00	1.32E-01
9.00E+01	1.24E-01	0.00E+00	0.00E+00	0.00E+00	1.24E-01
1.00E+02	1.17E-01	0.00E+00	0.00E+00	0.00E+00	1.17E-01
2.00E+02	6.39E-02	0.00E+00	0.00E+00	0.00E+00	6.39E-02
3.00E+02	3.49E-02	0.00E+00	0.00E+00	0.00E+00	3.49E-02
4.00E+02	1.91E-02	0.00E+00	0.00E+00	0.00E+00	1.91E-02
5.00E+02	1.04E-02	0.00E+00	0.00E+00	0.00E+00	1.04E-02
6.00E+02	5.68E-03	0.00E+00	0.00E+00	0.00E+00	5.68E-03
7.00E+02	3.10E-03	0.00E+00	0.00E+00	0.00E+00	3.10E-03
8.00E+02	1.70E-03	0.00E+00	0.00E+00	0.00E+00	1.70E-03
9.00E+02	9.26E-04	0.00E+00	0.00E+00	0.00E+00	9.26E-04
1.00E+03	5.05E-04	0.00E+00	0.00E+00	0.00E+00	5.05E-04
2.00E+03	1.19E-06	0.00E+00	0.00E+00	0.00E+00	1.19E-06

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		5.01E-02		0.00E+00
2.00E-01		1.09E-01		0.00E+00
3.00E-01		1.58E-01		0.00E+00
4.00E-01		2.00E-01		0.00E+00
5.00E-01		2.34E-01		0.00E+00
6.00E-01		2.63E-01		0.00E+00
7.00E-01		2.87E-01		0.00E+00
8.00E-01		3.08E-01		0.00E+00
9.00E-01		3.26E-01		0.00E+00
1.00E+00	3.41E-01	3.41E-01	0.00E+00	0.00E+00
2.00E+00	7.63E-02	4.17E-01	0.00E+00	0.00E+00
3.00E+00	2.15E-02	4.39E-01	0.00E+00	0.00E+00
4.00E+00	6.51E-03	4.45E-01	0.00E+00	0.00E+00
5.00E+00	2.08E-03	4.47E-01	0.00E+00	0.00E+00
6.00E+00	8.09E-04	4.48E-01	0.00E+00	0.00E+00
7.00E+00	4.75E-04	4.48E-01	0.00E+00	0.00E+00
8.00E+00	4.12E-04	4.49E-01	0.00E+00	0.00E+00
9.00E+00	4.25E-04	4.49E-01	0.00E+00	0.00E+00
1.00E+01	4.57E-04	4.50E-01	0.00E+00	0.00E+00
2.00E+01	7.31E-04	4.56E-01	0.00E+00	0.00E+00
3.00E+01	8.54E-04	4.64E-01	0.00E+00	0.00E+00
4.00E+01	8.95E-04	4.73E-01	0.00E+00	0.00E+00
5.00E+01	8.92E-04	4.82E-01	0.00E+00	0.00E+00
6.00E+01	8.67E-04	4.91E-01	0.00E+00	0.00E+00
7.00E+01	8.31E-04	4.99E-01	0.00E+00	0.00E+00
8.00E+01	7.90E-04	5.07E-01	0.00E+00	0.00E+00
9.00E+01	7.48E-04	5.15E-01	0.00E+00	0.00E+00
1.00E+02	7.07E-04	5.22E-01	0.00E+00	0.00E+00
2.00E+02	3.88E-04	5.75E-01	0.00E+00	0.00E+00
3.00E+02	2.12E-04	6.04E-01	0.00E+00	0.00E+00
4.00E+02	1.16E-04	6.20E-01	0.00E+00	0.00E+00
5.00E+02	6.32E-05	6.29E-01	0.00E+00	0.00E+00
6.00E+02	3.45E-05	6.33E-01	0.00E+00	0.00E+00
7.00E+02	1.88E-05	6.36E-01	0.00E+00	0.00E+00
8.00E+02	1.03E-05	6.37E-01	0.00E+00	0.00E+00
9.00E+02	5.62E-06	6.38E-01	0.00E+00	0.00E+00
1.00E+03	3.07E-06	6.39E-01	0.00E+00	0.00E+00

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	3.41E-01	2.26E-01	3.03E-04	2.17E-02	5.89E-01
2.00E-01	3.27E-01	2.01E-01	2.96E-07	2.28E-03	5.30E-01
3.00E-01	3.01E-01	1.79E-01	0.00E+00	4.15E-04	4.81E-01
4.00E-01	2.79E-01	1.60E-01	0.00E+00	1.85E-04	4.39E-01
5.00E-01	2.62E-01	1.43E-01	0.00E+00	1.21E-04	4.05E-01
6.00E-01	2.49E-01	1.27E-01	0.00E+00	8.47E-05	3.76E-01
7.00E-01	2.39E-01	1.13E-01	0.00E+00	5.98E-05	3.52E-01
8.00E-01	2.30E-01	1.01E-01	0.00E+00	4.23E-05	3.31E-01
9.00E-01	2.24E-01	8.96E-02	0.00E+00	2.99E-05	3.13E-01
1.00E+00	2.19E-01	7.97E-02	0.00E+00	2.12E-05	2.98E-01
2.00E+00	1.98E-01	2.42E-02	0.00E+00	7.04E-07	2.22E-01
3.00E+00	1.93E-01	7.13E-03	0.00E+00	3.82E-08	2.01E-01
4.00E+00	1.92E-01	2.05E-03	0.00E+00	0.00E+00	1.94E-01
5.00E+00	1.91E-01	5.81E-04	0.00E+00	0.00E+00	1.92E-01
6.00E+00	1.91E-01	1.62E-04	0.00E+00	0.00E+00	1.91E-01
7.00E+00	1.91E-01	4.47E-05	0.00E+00	0.00E+00	1.91E-01
8.00E+00	1.90E-01	1.22E-05	0.00E+00	0.00E+00	1.90E-01
9.00E+00	1.90E-01	3.32E-06	0.00E+00	0.00E+00	1.90E-01
1.00E+01	1.89E-01	8.96E-07	0.00E+00	0.00E+00	1.89E-01
2.00E+01	1.83E-01	0.00E+00	0.00E+00	0.00E+00	1.83E-01
3.00E+01	1.75E-01	0.00E+00	0.00E+00	0.00E+00	1.75E-01
4.00E+01	1.66E-01	0.00E+00	0.00E+00	0.00E+00	1.66E-01
5.00E+01	1.57E-01	0.00E+00	0.00E+00	0.00E+00	1.57E-01
6.00E+01	1.49E-01	0.00E+00	0.00E+00	0.00E+00	1.49E-01
7.00E+01	1.40E-01	0.00E+00	0.00E+00	0.00E+00	1.40E-01
8.00E+01	1.32E-01	0.00E+00	0.00E+00	0.00E+00	1.32E-01
9.00E+01	1.24E-01	0.00E+00	0.00E+00	0.00E+00	1.24E-01
1.00E+02	1.17E-01	0.00E+00	0.00E+00	0.00E+00	1.17E-01
2.00E+02	6.39E-02	0.00E+00	0.00E+00	0.00E+00	6.39E-02
3.00E+02	3.49E-02	0.00E+00	0.00E+00	0.00E+00	3.49E-02
4.00E+02	1.91E-02	0.00E+00	0.00E+00	0.00E+00	1.91E-02
5.00E+02	1.04E-02	0.00E+00	0.00E+00	0.00E+00	1.04E-02
6.00E+02	5.68E-03	0.00E+00	0.00E+00	0.00E+00	5.68E-03
7.00E+02	3.10E-03	0.00E+00	0.00E+00	0.00E+00	3.10E-03
8.00E+02	1.70E-03	0.00E+00	0.00E+00	0.00E+00	1.70E-03
9.00E+02	9.26E-04	0.00E+00	0.00E+00	0.00E+00	9.26E-04
1.00E+03	5.05E-04	0.00E+00	0.00E+00	0.00E+00	5.05E-04
2.00E+03	1.19E-06	0.00E+00	0.00E+00	0.00E+00	1.19E-06

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		5.01E-02		0.00E+00
2.00E-01		1.09E-01		0.00E+00
3.00E-01		1.58E-01		0.00E+00
4.00E-01		2.00E-01		0.00E+00
5.00E-01		2.34E-01		0.00E+00
6.00E-01		2.63E-01		0.00E+00
7.00E-01		2.87E-01		0.00E+00
8.00E-01		3.08E-01		0.00E+00
9.00E-01		3.26E-01		0.00E+00
1.00E+00	3.41E-01	3.41E-01	0.00E+00	0.00E+00
2.00E+00	7.63E-02	4.17E-01	0.00E+00	0.00E+00
3.00E+00	2.15E-02	4.39E-01	0.00E+00	0.00E+00
4.00E+00	6.51E-03	4.45E-01	0.00E+00	0.00E+00
5.00E+00	2.08E-03	4.47E-01	0.00E+00	0.00E+00
6.00E+00	8.09E-04	4.48E-01	0.00E+00	0.00E+00
7.00E+00	4.75E-04	4.48E-01	0.00E+00	0.00E+00
8.00E+00	4.12E-04	4.49E-01	0.00E+00	0.00E+00
9.00E+00	4.25E-04	4.49E-01	0.00E+00	0.00E+00
1.00E+01	4.57E-04	4.50E-01	0.00E+00	0.00E+00
2.00E+01	7.31E-04	4.56E-01	0.00E+00	0.00E+00
3.00E+01	8.54E-04	4.64E-01	0.00E+00	0.00E+00
4.00E+01	8.95E-04	4.73E-01	0.00E+00	0.00E+00
5.00E+01	8.92E-04	4.82E-01	0.00E+00	0.00E+00
6.00E+01	8.67E-04	4.91E-01	0.00E+00	0.00E+00
7.00E+01	8.31E-04	4.99E-01	0.00E+00	0.00E+00
8.00E+01	7.90E-04	5.07E-01	0.00E+00	0.00E+00
9.00E+01	7.48E-04	5.15E-01	0.00E+00	0.00E+00
1.00E+02	7.07E-04	5.22E-01	0.00E+00	0.00E+00
2.00E+02	3.88E-04	5.75E-01	0.00E+00	0.00E+00
3.00E+02	2.12E-04	6.04E-01	0.00E+00	0.00E+00
4.00E+02	1.16E-04	6.20E-01	0.00E+00	0.00E+00
5.00E+02	6.32E-05	6.29E-01	0.00E+00	0.00E+00
6.00E+02	3.45E-05	6.33E-01	0.00E+00	0.00E+00
7.00E+02	1.88E-05	6.36E-01	0.00E+00	0.00E+00
8.00E+02	1.03E-05	6.37E-01	0.00E+00	0.00E+00
9.00E+02	5.62E-06	6.38E-01	0.00E+00	0.00E+00
1.00E+03	3.07E-06	6.39E-01	0.00E+00	0.00E+00

CLASS D

AMAD = 1 MICRON

HALFLIFE= 8.04E+00 DAYS

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TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	3.38E-01	2.24E-01	3.00E-04	2.15E-02	5.84E-01
2.00E-01	3.21E-01	1.98E-01	2.91E-07	2.24E-03	5.21E-01
3.00E-01	2.93E-01	1.75E-01	0.00E+00	4.05E-04	4.68E-01
4.00E-01	2.70E-01	1.55E-01	0.00E+00	1.79E-04	4.25E-01
5.00E-01	2.51E-01	1.37E-01	0.00E+00	1.16E-04	3.88E-01
6.00E-01	2.37E-01	1.21E-01	0.00E+00	8.04E-05	3.57E-01
7.00E-01	2.25E-01	1.06E-01	0.00E+00	5.63E-05	3.31E-01
8.00E-01	2.15E-01	9.40E-02	0.00E+00	3.95E-05	3.09E-01
9.00E-01	2.07E-01	8.29E-02	0.00E+00	2.77E-05	2.90E-01
1.00E+00	2.01E-01	7.31E-02	0.00E+00	1.94E-05	2.74E-01
2.00E+00	1.67E-01	2.04E-02	0.00E+00	5.93E-07	1.87E-01
3.00E+00	1.49E-01	5.51E-03	0.00E+00	2.95E-08	1.55E-01
4.00E+00	1.36E-01	1.45E-03	0.00E+00	0.00E+00	1.37E-01
5.00E+00	1.24E-01	3.77E-04	0.00E+00	0.00E+00	1.25E-01
6.00E+00	1.14E-01	9.66E-05	0.00E+00	0.00E+00	1.14E-01
7.00E+00	1.04E-01	2.45E-05	0.00E+00	0.00E+00	1.04E-01
8.00E+00	9.55E-02	6.14E-06	0.00E+00	0.00E+00	9.55E-02
9.00E+00	8.74E-02	1.53E-06	0.00E+00	0.00E+00	8.74E-02
1.00E+01	8.00E-02	3.79E-07	0.00E+00	0.00E+00	8.00E-02
2.00E+01	3.27E-02	0.00E+00	0.00E+00	0.00E+00	3.27E-02
3.00E+01	1.32E-02	0.00E+00	0.00E+00	0.00E+00	1.32E-02
4.00E+01	5.29E-03	0.00E+00	0.00E+00	0.00E+00	5.29E-03
5.00E+01	2.11E-03	0.00E+00	0.00E+00	0.00E+00	2.11E-03
6.00E+01	8.42E-04	0.00E+00	0.00E+00	0.00E+00	8.42E-04
7.00E+01	3.35E-04	0.00E+00	0.00E+00	0.00E+00	3.35E-04
8.00E+01	1.33E-04	0.00E+00	0.00E+00	0.00E+00	1.33E-04
9.00E+01	5.30E-05	0.00E+00	0.00E+00	0.00E+00	5.30E-05
1.00E+02	2.11E-05	0.00E+00	0.00E+00	0.00E+00	2.11E-05

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		4.96E-02		0.00E+00
2.00E-01		1.07E-01		0.00E+00
3.00E-01		1.54E-01		0.00E+00
4.00E-01		1.93E-01		0.00E+00
5.00E-01		2.24E-01		0.00E+00
6.00E-01		2.50E-01		0.00E+00
7.00E-01		2.70E-01		0.00E+00
8.00E-01		2.87E-01		0.00E+00
9.00E-01		3.01E-01		0.00E+00
1.00E+00	3.13E-01	3.13E-01	0.00E+00	0.00E+00
2.00E+00	6.42E-02	3.51E-01	0.00E+00	0.00E+00
3.00E+00	1.66E-02	3.39E-01	0.00E+00	0.00E+00
4.00E+00	4.61E-03	3.15E-01	0.00E+00	0.00E+00
5.00E+00	1.35E-03	2.91E-01	0.00E+00	0.00E+00
6.00E+00	4.83E-04	2.67E-01	0.00E+00	0.00E+00
7.00E+00	2.60E-04	2.45E-01	0.00E+00	0.00E+00
8.00E+00	2.07E-04	2.25E-01	0.00E+00	0.00E+00
9.00E+00	1.96E-04	2.07E-01	0.00E+00	0.00E+00
1.00E+01	1.93E-04	1.90E-01	0.00E+00	0.00E+00
2.00E+01	1.30E-04	8.13E-02	0.00E+00	0.00E+00
3.00E+01	6.43E-05	3.49E-02	0.00E+00	0.00E+00
4.00E+01	2.84E-05	1.50E-02	0.00E+00	0.00E+00
5.00E+01	1.20E-05	6.47E-03	0.00E+00	0.00E+00
6.00E+01	4.91E-06	2.78E-03	0.00E+00	0.00E+00
7.00E+01	1.99E-06	1.19E-03	0.00E+00	0.00E+00
8.00E+01	7.99E-07	5.13E-04	0.00E+00	0.00E+00
9.00E+01	3.19E-07	2.20E-04	0.00E+00	0.00E+00
1.00E+02	1.27E-07	9.41E-05	0.00E+00	0.00E+00

CLASS D

AMAD = 1 MICRON

HALFLIFE= 8.04E+00 DAYS

IODINE 131

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	THYROID	24-HOUR URINE	ACCUMULATED URINE	ACCUMULATED FECES
1.00E-01	2.13E-02		4.83E-02	1.30E-03
2.00E-01	4.58E-02		1.04E-01	3.00E-03
3.00E-01	6.61E-02		1.50E-01	4.00E-03
4.00E-01	8.25E-02		1.88E-01	5.00E-03
5.00E-01	9.59E-02		2.18E-01	6.00E-03
6.00E-01	1.07E-01		2.43E-01	7.00E-03
7.00E-01	1.16E-01		2.63E-01	7.00E-03
8.00E-01	1.23E-01		2.79E-01	8.00E-03
9.00E-01	1.29E-01		2.93E-01	8.00E-03
1.00E+00	1.33E-01	3.04E-01	3.04E-01	9.00E-03
2.00E+00	1.49E-01	6.24E-02	3.41E-01	1.00E-02
3.00E+00	1.42E-01	1.62E-02	3.29E-01	1.00E-02
4.00E+00	1.31E-01	4.47E-03	3.06E-01	9.00E-03
5.00E+00	1.20E-01	1.31E-03	2.83E-01	8.00E-03
6.00E+00	1.09E-01	3.29E-04	2.60E-01	7.00E-03
7.00E+00	9.95E-02	2.53E-04	2.38E-01	7.00E-03
8.00E+00	9.06E-02	2.01E-04	2.19E-01	6.00E-03
9.00E+00	8.25E-02	1.90E-04	2.01E-01	6.00E-03
1.00E+01	7.51E-02	1.88E-04	1.84E-01	6.00E-03
2.00E+01	2.95E-02	1.27E-04	7.90E-02	2.30E-03
3.00E+01	1.16E-02	6.25E-05	3.39E-02	1.00E-03
4.00E+01	4.60E-03	2.77E-05	1.46E-02	4.00E-04
5.00E+01	1.82E-03	1.16E-05	6.28E-03	1.90E-04
6.00E+01	7.24E-04	4.78E-06	2.70E-03	8.00E-05
7.00E+01	2.87E-04	1.93E-06	1.16E-03	3.00E-05
8.00E+01	1.14E-04	7.76E-07	4.98E-04	1.50E-05
9.00E+01	4.54E-05	3.11E-07	2.14E-04	6.00E-06
1.00E+02	1.80E-05	1.24E-07	9.14E-05	2.70E-06

CLASS D AMAD = 1 MICRON HALFLIFE= 9.58E-02 DAYS IODINE 132

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	1.66E-01	1.10E-01	1.47E-04	1.05E-02	2.86E-01
2.00E-01	7.69E-02	4.74E-02	6.96E-08	5.37E-04	1.25E-01
3.00E-01	3.44E-02	2.05E-02	0.00E+00	4.74E-05	5.49E-02
4.00E-01	1.55E-02	8.86E-03	0.00E+00	1.02E-05	2.43E-02
5.00E-01	7.05E-03	3.83E-03	0.00E+00	3.25E-06	1.09E-02
6.00E-01	3.25E-03	1.66E-03	0.00E+00	1.10E-06	4.91E-03
7.00E-01	1.51E-03	7.15E-04	0.00E+00	3.78E-07	2.23E-03
8.00E-01	7.07E-04	3.09E-04	0.00E+00	1.30E-07	1.02E-03
9.00E-01	3.33E-04	1.33E-04	0.00E+00	4.46E-08	4.67E-04
1.00E+00	1.58E-04	5.76E-05	0.00E+00	1.53E-08	2.15E-04
2.00E+00	1.03E-07	1.26E-08	0.00E+00	0.00E+00	1.16E-07

CLASS D AMAD = 1 MICRON HALFLIFE= 9.58E-02 DAYS IODINE 132

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		2.43E-02		0.00E-00
2.00E-01		2.56E-02		0.00E-00
3.00E-01		1.81E-02		0.00E-00
4.00E-01		1.11E-02		0.00E-00
5.00E-01		6.29E-03		0.00E-00
6.00E-01		3.43E-03		0.00E-00
7.00E-01		1.82E-03		0.00E-00
8.00E-01		9.45E-04		0.00E-00
9.00E-01		4.85E-04		0.00E-00
1.00E+00	2.46E-04	2.46E-04	0.00E+00	0.00E-00
2.00E+00	3.98E-08	2.18E-07	0.00E+00	0.00E-00

CLASS D AMAD = 1 MICRON

HALFLIFE= 9.58E-02 DAYS

IODINE 132

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	THYROID	24-HOUR URINE	ACCUMULATED URINE	ACCUMULATED FECES
1.00E-01	9.99E-03		2.26E-02	6.10E-04
2.00E-01	1.01E-02		2.29E-02	6.60E-04
3.00E-01	6.82E-03		1.55E-02	4.12E-04
4.00E-01	3.99E-03		9.09E-03	2.42E-04
5.00E-01	2.17E-03		4.94E-03	1.36E-04
6.00E-01	1.14E-03		2.58E-03	7.44E-05
7.00E-01	5.78E-04		1.31E-03	3.49E-05
8.00E-01	2.88E-04		6.52E-04	1.87E-05
9.00E-01	1.41E-04		3.21E-04	8.77E-06
1.00E+00	6.84E-05	1.56E-04	1.56E-04	4.63E-06
2.00E+00	3.94E-08	1.65E-08	9.02E-08	2.64E-09

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	3.15E-01	2.08E-01	2.79E-04	2.00E-02	5.44E-01
2.00E-01	2.79E-01	1.72E-01	2.52E-07	1.95E-03	4.52E-01
3.00E-01	2.37E-01	1.41E-01	0.00E+00	3.27E-04	3.78E-01
4.00E-01	2.03E-01	1.16E-01	0.00E+00	1.34E-04	3.19E-01
5.00E-01	1.76E-01	9.56E-02	0.00E+00	8.11E-05	2.72E-01
6.00E-01	1.54E-01	7.86E-02	0.00E+00	5.24E-05	2.33E-01
7.00E-01	1.36E-01	6.46E-02	0.00E+00	3.42E-05	2.01E-01
8.00E-01	1.22E-01	5.31E-02	0.00E+00	2.23E-05	1.75E-01
9.00E-01	1.09E-01	4.36E-02	0.00E+00	1.46E-05	1.53E-01
1.00E+00	9.83E-02	3.58E-02	0.00E+00	9.53E-06	1.34E-01
2.00E+00	4.00E-02	4.89E-03	0.00E+00	1.42E-07	4.49E-02
3.00E+00	1.76E-02	6.48E-04	0.00E+00	0.00E+00	1.82E-02
4.00E+00	7.84E-03	8.38E-05	0.00E+00	0.00E+00	7.93E-03
5.00E+00	3.51E-03	1.07E-05	0.00E+00	0.00E+00	3.52E-03
6.00E+00	1.58E-03	1.34E-06	0.00E+00	0.00E+00	1.58E-03
7.00E+00	7.07E-04	1.66E-07	0.00E+00	0.00E+00	7.08E-04
8.00E+00	3.17E-04	2.04E-08	0.00E+00	0.00E+00	3.17E-04
9.00E+00	1.42E-04	0.00E+00	0.00E+00	0.00E+00	1.42E-04
1.00E+01	6.39E-05	0.00E+00	0.00E+00	0.00E+00	6.39E-05
2.00E+02	2.08E-08	0.00E+00	0.00E+00	0.00E+00	2.08E-08

CLASS D AMAD = 1 MICRON

HALFLIFE= 8.67E-01 DAYS

IODINE 133

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		4.61E-02		0.00E+00
2.00E-01		9.26E-02		0.00E+00
3.00E-01		1.25E-01		0.00E+00
4.00E-01		1.45E-01		0.00E+00
5.00E-01		1.57E-01		0.00E+00
6.00E-01		1.63E-01		0.00E+00
7.00E-01		1.64E-01		0.00E+00
8.00E-01		1.62E-01		0.00E+00
9.00E-01		1.59E-01		0.00E+00
1.00E+00	1.53E-01	1.53E-01	0.00E+00	0.00E+00
2.00E+00	1.54E-02	8.43E-02	0.00E+00	0.00E+00
3.00E+00	1.95E-03	3.98E-02	0.00E+00	0.00E+00
4.00E+00	2.66E-04	1.82E-02	0.00E+00	0.00E+00
5.00E+00	3.82E-05	8.21E-03	0.00E+00	0.00E+00
6.00E+00	6.68E-06	3.70E-03	0.00E+00	0.00E+00
7.00E+00	1.76E-06	1.66E-03	0.00E+00	0.00E+00
8.00E+00	6.88E-07	7.49E-04	0.00E+00	0.00E+00
9.00E+00	3.19E-07	3.37E-04	0.00E+00	0.00E+00
1.00E+01	1.54E-07	1.52E-04	0.00E+00	0.00E+00
2.00E+01	0.00E+00	5.19E-08	0.00E+00	0.00E+00

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	THYROID	24-HOUR URINE	ACCUMULATED URINE	ACCUMULATED FECES
1.00E-01	1.98E-02		4.50E-02	1.20E-03
2.00E-01	3.97E-02		9.01E-02	2.60E-03
3.00E-01	5.34E-02		1.21E-02	3.20E-03
4.00E-01	6.20E-02		1.41E-01	3.70E-03
5.00E-01	6.71E-02		1.53E-01	4.20E-03
6.00E-01	6.97E-02		1.58E-01	4.50E-03
7.00E-01	7.04E-02		1.59E-01	4.50E-03
8.00E-01	6.95E-02		1.58E-01	4.50E-03
9.00E-01	6.79E-02		1.54E-01	4.40E-03
1.00E+00	6.52E-02	1.49E-01	1.49E-01	4.40E-03
2.00E+00	3.58E-02	1.50E-02	8.50E-02	2.40E-03
3.00E+00	1.67E-02	1.90E-03	3.86E-02	1.20E-03
4.00E+00	7.55E-03	2.58E-04	1.76E-02	5.20E-04
5.00E+00	3.39E-03	3.71E-05	7.98E-03	2.30E-04
6.00E+00	1.51E-03	4.55E-06	3.60E-03	9.70E-05
7.00E+00	6.75E-04	1.76E-06	1.62E-03	4.80E-05
8.00E+00	3.01E-04	6.69E-07	7.29E-04	2.00E-05
9.00E+00	1.34E-04	3.10E-07	3.28E-04	9.80E-06
1.00E+01	6.00E-05	1.50E-07	1.47E-04	4.80E-06
2.00E+01	1.88E-08	0.00E+00	5.04E-08	0.00E+00

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	3.90E-01	2.26E-01	3.03E-04	2.17E-02	6.38E-01
2.00E-01	4.33E-01	2.01E-01	2.96E-07	2.28E-03	6.36E-01
3.00E-01	4.55E-01	1.79E-01	0.00E+00	4.15E-04	6.35E-01
4.00E-01	4.73E-01	1.60E-01	0.00E+00	1.85E-04	6.33E-01
5.00E-01	4.88E-01	1.43E-01	0.00E+00	1.21E-04	6.31E-01
6.00E-01	5.02E-01	1.27E-01	0.00E+00	8.47E-05	6.29E-01
7.00E-01	5.14E-01	1.13E-01	0.00E+00	5.98E-05	6.28E-01
8.00E-01	5.25E-01	1.01E-01	0.00E+00	4.23E-05	6.26E-01
9.00E-01	5.34E-01	8.96E-02	0.00E+00	2.99E-05	6.24E-01
1.00E+00	5.43E-01	7.97E-02	0.00E+00	2.12E-05	6.22E-01
2.00E+00	5.81E-01	2.42E-02	0.00E+00	7.04E-07	6.06E-01
3.00E+00	5.85E-01	7.13E-03	0.00E+00	3.82E-08	5.92E-01
4.00E+00	5.79E-01	2.05E-03	0.00E+00	0.00E+00	5.81E-01
5.00E+00	5.71E-01	5.81E-04	0.00E+00	0.00E+00	5.72E-01
6.00E+00	5.64E-01	1.62E-04	0.00E+00	0.00E+00	5.64E-01
7.00E+00	5.58E-01	4.47E-05	0.00E+00	0.00E+00	5.58E-01
8.00E+00	5.53E-01	1.22E-05	0.00E+00	0.00E+00	5.53E-01
9.00E+00	5.48E-01	3.32E-06	0.00E+00	0.00E+00	5.48E-01
1.00E+01	5.44E-01	8.96E-07	0.00E+00	0.00E+00	5.44E-01
2.00E+01	5.08E-01	0.00E+00	0.00E+00	0.00E+00	5.08E-01
3.00E+01	4.77E-01	0.00E+00	0.00E+00	0.00E+00	4.77E-01
4.00E+01	4.48E-01	0.00E+00	0.00E+00	0.00E+00	4.48E-01
5.00E+01	4.21E-01	0.00E+00	0.00E+00	0.00E+00	4.21E-01
6.00E+01	3.95E-01	0.00E+00	0.00E+00	0.00E+00	3.95E-01
7.00E+01	3.71E-01	0.00E+00	0.00E+00	0.00E+00	3.71E-01
8.00E+01	3.48E-01	0.00E+00	0.00E+00	0.00E+00	3.48E-01
9.00E+01	3.27E-01	0.00E+00	0.00E+00	0.00E+00	3.27E-01
1.00E+02	3.07E-01	0.00E+00	0.00E+00	0.00E+00	3.07E-01
2.00E+02	1.64E-01	0.00E+00	0.00E+00	0.00E+00	1.64E-01
3.00E+02	8.71E-02	0.00E+00	0.00E+00	0.00E+00	8.71E-02
4.00E+02	4.64E-02	0.00E+00	0.00E+00	0.00E+00	4.64E-02
5.00E+02	2.47E-02	0.00E+00	0.00E+00	0.00E+00	2.47E-02
6.00E+02	1.32E-02	0.00E+00	0.00E+00	0.00E+00	1.32E-02
7.00E+02	7.01E-03	0.00E+00	0.00E+00	0.00E+00	7.01E-03
8.00E+02	3.73E-03	0.00E+00	0.00E+00	0.00E+00	3.73E-03
9.00E+02	1.99E-03	0.00E+00	0.00E+00	0.00E+00	1.99E-03
1.00E+03	1.06E-03	0.00E+00	0.00E+00	0.00E+00	1.06E-03
2.00E+03	1.94E-06	0.00E+00	0.00E+00	0.00E+00	1.94E-06

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	24-HOUR URINE	ACCUMULATED URINE	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		9.20E-04		2.30E-04
2.00E-01		2.22E-03		5.55E-04
3.00E-01		3.58E-03		8.95E-04
4.00E-01		4.97E-03		1.24E-03
5.00E-01		6.38E-03		1.59E-03
6.00E-01		7.80E-03		1.95E-03
7.00E-01		9.22E-03		2.31E-03
8.00E-01		1.06E-02		2.66E-03
9.00E-01		1.21E-02		3.02E-03
1.00E+00	1.35E-02	1.35E-02	3.37E-03	3.37E-03
2.00E+00	1.33E-02	2.68E-02	3.32E-03	6.69E-03
3.00E+00	1.10E-02	3.78E-02	2.76E-03	9.45E-03
4.00E+00	8.87E-03	4.67E-02	2.22E-03	1.17E-02
5.00E+00	7.16E-03	5.38E-02	1.79E-03	1.35E-02
6.00E+00	5.89E-03	5.97E-02	1.47E-03	1.49E-02
7.00E+00	4.98E-03	6.47E-02	1.24E-03	1.62E-02
8.00E+00	4.32E-03	6.90E-02	1.08E-03	1.73E-02
9.00E+00	3.85E-03	7.29E-02	9.62E-04	1.82E-02
1.00E+01	3.51E-03	7.64E-02	8.78E-04	1.91E-02
2.00E+01	2.59E-03	1.05E-01	6.48E-04	2.62E-02
3.00E+01	2.41E-03	1.30E-01	6.03E-04	3.24E-02
4.00E+01	2.27E-03	1.53E-01	5.66E-04	3.82E-02
5.00E+01	2.13E-03	1.75E-01	5.32E-04	4.37E-02
6.00E+01	2.00E-03	1.95E-01	4.99E-04	4.88E-02
7.00E+01	1.88E-03	2.15E-01	4.69E-04	5.36E-02
8.00E+01	1.76E-03	2.33E-01	4.40E-04	5.82E-02
9.00E+01	1.65E-03	2.50E-01	4.13E-04	6.24E-02
1.00E+02	1.55E-03	2.66E-01	3.88E-04	6.64E-02
2.00E+02	8.27E-04	3.80E-01	2.07E-04	9.51E-02
3.00E+02	4.40E-04	4.42E-01	1.10E-04	1.10E-01
4.00E+02	2.35E-04	4.74E-01	5.86E-05	1.19E-01
5.00E+02	1.25E-04	4.92E-01	3.12E-05	1.23E-01
6.00E+02	6.65E-05	5.01E-01	1.66E-05	1.25E-01
7.00E+02	3.54E-05	5.06E-01	8.86E-06	1.26E-01
8.00E+02	1.89E-05	5.08E-01	4.72E-06	1.27E-01
9.00E+02	1.00E-05	5.10E-01	2.51E-06	1.27E-01
1.00E+03	5.35E-06	5.10E-01	1.34E-06	1.28E-01

CLASS D

AMAD = 1 MICRON

HALFLIFE= 1.10E+04 DAYS

CESIUM 137

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	3.90E-01	2.26E-01	3.03E-04	2.17E-02	6.38E-01
2.00E-01	4.33E-01	2.01E-01	2.96E-07	2.28E-03	6.36E-01
3.00E-01	4.55E-01	1.79E-01	0.00E+00	4.15E-04	6.35E-01
4.00E-01	4.73E-01	1.60E-01	0.00E+00	1.85E-04	6.33E-01
5.00E-01	4.88E-01	1.43E-01	0.00E+00	1.21E-04	6.31E-01
6.00E-01	5.02E-01	1.27E-01	0.00E+00	8.47E-05	6.29E-01
7.00E-01	5.14E-01	1.13E-01	0.00E+00	5.98E-05	6.28E-01
8.00E-01	5.25E-01	1.01E-01	0.00E+00	4.23E-05	6.26E-01
9.00E-01	5.34E-01	8.96E-02	0.00E+00	2.99E-05	6.24E-01
1.00E+00	5.43E-01	7.97E-02	0.00E+00	2.12E-05	6.22E-01
2.00E+00	5.81E-01	2.42E-02	0.00E+00	7.04E-07	6.06E-01
3.00E+00	5.85E-01	7.13E-03	0.00E+00	3.82E-08	5.92E-01
4.00E+00	5.79E-01	2.05E-03	0.00E+00	0.00E+00	5.81E-01
5.00E+00	5.71E-01	5.80E-04	0.00E+00	0.00E+00	5.72E-01
6.00E+00	5.64E-01	1.62E-04	0.00E+00	0.00E+00	5.64E-01
7.00E+00	5.58E-01	4.47E-05	0.00E+00	0.00E+00	5.58E-01
8.00E+00	5.53E-01	1.22E-05	0.00E+00	0.00E+00	5.53E-01
9.00E+00	5.48E-01	3.32E-06	0.00E+00	0.00E+00	5.48E-01
1.00E+01	5.43E-01	8.96E-07	0.00E+00	0.00E+00	5.43E-01
2.00E+01	5.08E-01	0.00E+00	0.00E+00	0.00E+00	5.08E-01
3.00E+01	4.76E-01	0.00E+00	0.00E+00	0.00E+00	4.76E-01
4.00E+01	4.47E-01	0.00E+00	0.00E+00	0.00E+00	4.47E-01
5.00E+01	4.19E-01	0.00E+00	0.00E+00	0.00E+00	4.19E-01
6.00E+01	3.94E-01	0.00E+00	0.00E+00	0.00E+00	3.94E-01
7.00E+01	3.69E-01	0.00E+00	0.00E+00	0.00E+00	3.69E-01
8.00E+01	3.47E-01	0.00E+00	0.00E+00	0.00E+00	3.47E-01
9.00E+01	3.25E-01	0.00E+00	0.00E+00	0.00E+00	3.25E-01
1.00E+02	3.05E-01	0.00E+00	0.00E+00	0.00E+00	3.05E-01
2.00E+02	1.61E-01	0.00E+00	0.00E+00	0.00E+00	1.61E-01
3.00E+02	8.55E-02	0.00E+00	0.00E+00	0.00E+00	8.55E-02
4.00E+02	4.52E-02	0.00E+00	0.00E+00	0.00E+00	4.52E-02
5.00E+02	2.39E-02	0.00E+00	0.00E+00	0.00E+00	2.39E-02
6.00E+02	1.27E-02	0.00E+00	0.00E+00	0.00E+00	1.27E-02
7.00E+02	6.70E-03	0.00E+00	0.00E+00	0.00E+00	6.70E-03
8.00E+02	3.55E-03	0.00E+00	0.00E+00	0.00E+00	3.55E-03
9.00E+02	1.88E-03	0.00E+00	0.00E+00	0.00E+00	1.88E-03
1.00E+03	9.94E-04	0.00E+00	0.00E+00	0.00E+00	9.94E-04
2.00E+03	1.71E-06	0.00E+00	0.00E+00	0.00E+00	1.71E-06

CLASS D

AMAD = 1 MICRON

HALFLIFE= 1.10E+04 DAYS

CESIUM 137

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	24-HOUR URINE	ACCUMULATED URINE	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		9.20E-04		2.30E-04
2.00E-01		2.22E-03		5.55E-04
3.00E-01		3.58E-03		8.95E-04
4.00E-01		4.97E-03		1.24E-03
5.00E-01		6.38E-03		1.59E-03
6.00E-01		7.80E-03		1.95E-03
7.00E-01		9.22E-03		2.31E-03
8.00E-01		1.06E-02		2.66E-03
9.00E-01		1.21E-02		3.02E-03
1.00E+00	1.35E-02	1.35E-02	3.37E-03	3.37E-03
2.00E+00	1.33E-02	2.68E-02	3.32E-03	6.69E-03
3.00E+00	1.10E-02	3.78E-02	2.76E-03	9.45E-03
4.00E+00	8.87E-03	4.67E-02	2.22E-03	1.17E-02
5.00E+00	7.16E-03	5.38E-02	1.79E-03	1.35E-02
6.00E+00	5.89E-03	5.97E-02	1.47E-03	1.49E-02
7.00E+00	4.97E-03	6.47E-02	1.24E-03	1.62E-02
8.00E+00	4.32E-03	6.90E-02	1.08E-03	1.72E-02
9.00E+00	3.85E-03	7.28E-02	9.62E-04	1.82E-02
1.00E+01	3.51E-03	7.63E-02	8.77E-04	1.91E-02
2.00E+01	2.59E-03	1.04E-01	6.48E-04	2.61E-02
3.00E+01	2.41E-03	1.29E-01	6.02E-04	3.23E-02
4.00E+01	2.26E-03	1.52E-01	5.65E-04	3.81E-02
5.00E+01	2.12E-03	1.74E-01	5.30E-04	4.35E-02
6.00E+01	1.99E-03	1.95E-01	4.97E-04	4.86E-02
7.00E+01	1.87E-03	2.14E-01	4.67E-04	5.34E-02
8.00E+01	1.75E-03	2.32E-01	4.38E-04	5.79E-02
9.00E+01	1.64E-03	2.48E-01	4.11E-04	6.21E-02
1.00E+02	1.54E-03	2.64E-01	3.86E-04	6.60E-02
2.00E+02	8.16E-04	3.76E-01	2.04E-04	9.39E-02
3.00E+02	4.32E-04	4.33E-01	1.08E-04	1.08E-01
4.00E+02	2.29E-04	4.62E-01	5.72E-05	1.16E-01
5.00E+02	1.21E-04	4.76E-01	3.03E-05	1.19E-01
6.00E+02	6.40E-05	4.82E-01	1.60E-05	1.21E-01
7.00E+02	3.39E-05	4.84E-01	8.47E-06	1.21E-01
8.00E+02	1.79E-05	4.83E-01	4.48E-06	1.21E-01
9.00E+02	9.49E-06	4.81E-01	2.37E-06	1.20E-01
1.00E+03	5.02E-06	4.79E-01	1.26E-06	1.20E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	1.16E-01	2.26E-01	3.03E-04	1.52E-01	4.93E-01
2.00E-01	1.21E-01	2.01E-01	2.96E-07	1.47E-01	4.69E-01
3.00E-01	1.26E-01	1.79E-01	0.00E+00	1.43E-01	4.48E-01
4.00E-01	1.30E-01	1.60E-01	0.00E+00	1.38E-01	4.28E-01
5.00E-01	1.32E-01	1.43E-01	0.00E+00	1.33E-01	4.08E-01
6.00E-01	1.33E-01	1.27E-01	0.00E+00	1.28E-01	3.88E-01
7.00E-01	1.34E-01	1.13E-01	0.00E+00	1.22E-01	3.69E-01
8.00E-01	1.34E-01	1.01E-01	0.00E+00	1.16E-01	3.50E-01
9.00E-01	1.33E-01	8.96E-02	0.00E+00	1.09E-01	3.32E-01
1.00E+00	1.32E-01	7.97E-02	0.00E+00	1.02E-01	3.14E-01
2.00E+00	1.12E-01	2.42E-02	0.00E+00	4.65E-02	1.82E-01
3.00E+00	8.80E-02	7.13E-03	0.00E+00	1.85E-02	1.14E-01
4.00E+00	7.02E-02	2.05E-03	0.00E+00	7.03E-03	7.93E-02
5.00E+00	5.80E-02	5.81E-04	0.00E+00	2.62E-03	6.12E-02
6.00E+00	4.99E-02	1.62E-04	0.00E+00	9.69E-04	5.10E-02
7.00E+00	4.43E-02	4.47E-05	0.00E+00	3.57E-04	4.47E-02
8.00E+00	4.04E-02	1.22E-05	0.00E+00	1.32E-04	4.06E-02
9.00E+00	3.77E-02	3.32E-06	0.00E+00	4.84E-05	3.77E-02
1.00E+01	3.56E-02	8.96E-07	0.00E+00	1.78E-05	3.56E-02
2.00E+01	2.89E-02	0.00E+00	0.00E+00	0.00E+00	2.89E-02
3.00E+01	2.76E-02	0.00E+00	0.00E+00	0.00E+00	2.76E-02
4.00E+01	2.68E-02	0.00E+00	0.00E+00	0.00E+00	2.68E-02
5.00E+01	2.61E-02	0.00E+00	0.00E+00	0.00E+00	2.61E-02
6.00E+01	2.54E-02	0.00E+00	0.00E+00	0.00E+00	2.54E-02
7.00E+01	2.48E-02	0.00E+00	0.00E+00	0.00E+00	2.48E-02
8.00E+01	2.42E-02	0.00E+00	0.00E+00	0.00E+00	2.42E-02
9.00E+01	2.37E-02	0.00E+00	0.00E+00	0.00E+00	2.37E-02
1.00E+02	2.32E-02	0.00E+00	0.00E+00	0.00E+00	2.32E-02
2.00E+02	1.95E-02	0.00E+00	0.00E+00	0.00E+00	1.95E-02
3.00E+02	1.73E-02	0.00E+00	0.00E+00	0.00E+00	1.73E-02
4.00E+02	1.59E-02	0.00E+00	0.00E+00	0.00E+00	1.59E-02
5.00E+02	1.49E-02	0.00E+00	0.00E+00	0.00E+00	1.49E-02
6.00E+02	1.41E-02	0.00E+00	0.00E+00	0.00E+00	1.41E-02
7.00E+02	1.34E-02	0.00E+00	0.00E+00	0.00E+00	1.34E-02
8.00E+02	1.28E-02	0.00E+00	0.00E+00	0.00E+00	1.28E-02
9.00E+02	1.23E-02	0.00E+00	0.00E+00	0.00E+00	1.23E-02
1.00E+03	1.18E-02	0.00E+00	0.00E+00	0.00E+00	1.18E-02
2.00E+03	8.70E-03	0.00E+00	0.00E+00	0.00E+00	8.70E-03
4.00E+03	5.63E-03	0.00E+00	0.00E+00	0.00E+00	5.63E-03
8.00E+03	2.95E-03	0.00E+00	0.00E+00	0.00E+00	2.95E-03
1.00E+04	2.23E-03	0.00E+00	0.00E+00	0.00E+00	2.23E-03
2.00E+04	6.02E-04	0.00E+00	0.00E+00	0.00E+00	6.02E-04

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	24-HOUR URINE	ACCUMULATED URINE	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		1.46E-02		1.31E-01
2.00E-01		1.69E-02		1.53E-01
3.00E-01		1.88E-02		1.72E-01
4.00E-01		2.06E-02		1.91E-01
5.00E-01		2.21E-02		2.09E-01
6.00E-01		2.36E-02		2.27E-01
7.00E-01		2.49E-02		2.45E-01
8.00E-01		2.62E-02		2.63E-01
9.00E-01		2.73E-02		2.80E-01
1.00E+00	2.84E-02	2.84E-02	2.96E-01	2.96E-01
2.00E+00	7.63E-03	3.60E-02	1.25E-01	4.21E-01
3.00E+00	4.06E-03	4.01E-02	6.45E-02	4.85E-01
4.00E+00	2.29E-03	4.24E-02	3.21E-02	5.17E-01
5.00E+00	1.37E-03	4.37E-02	1.67E-02	5.34E-01
6.00E+00	8.60E-04	4.46E-02	9.39E-03	5.44E-01
7.00E+00	5.67E-04	4.52E-02	5.72E-03	5.49E-01
8.00E+00	3.91E-04	4.56E-02	3.74E-03	5.53E-01
9.00E+00	2.79E-04	4.58E-02	2.59E-03	5.56E-01
1.00E+01	2.05E-04	4.60E-02	1.87E-03	5.57E-01
2.00E+01	2.34E-05	4.67E-02	2.10E-04	5.64E-01
3.00E+01	9.24E-06	4.68E-02	8.32E-05	5.65E-01
4.00E+01	7.47E-06	4.69E-02	6.73E-05	5.65E-01
5.00E+01	6.88E-06	4.70E-02	6.19E-05	5.66E-01
6.00E+01	6.43E-06	4.71E-02	5.78E-05	5.67E-01
7.00E+01	6.02E-06	4.71E-02	5.41E-05	5.67E-01
8.00E+01	5.63E-06	4.72E-02	5.07E-05	5.68E-01
9.00E+01	5.28E-06	4.72E-02	4.75E-05	5.68E-01
1.00E+02	4.96E-06	4.73E-02	4.46E-05	5.69E-01
2.00E+02	2.75E-06	4.77E-02	2.48E-05	5.72E-01
3.00E+02	1.70E-06	4.79E-02	1.53E-05	5.74E-01
4.00E+02	1.17E-06	4.80E-02	1.05E-05	5.75E-01
5.00E+02	8.89E-07	4.81E-02	8.00E-06	5.76E-01
6.00E+02	7.26E-07	4.82E-02	6.53E-06	5.77E-01
7.00E+02	6.22E-07	4.83E-02	5.59E-06	5.77E-01
8.00E+02	5.48E-07	4.83E-02	4.93E-06	5.78E-01
9.00E+02	4.92E-07	4.84E-02	4.43E-06	5.78E-01
1.00E+03	4.47E-07	4.84E-02	4.02E-06	5.79E-01
2.00E+03	2.27E-07	4.87E-02	2.04E-06	5.82E-01
4.00E+03	1.07E-07	4.90E-02	9.60E-07	5.84E-01
7.00E+03	5.15E-08	4.93E-02	4.62E-07	5.86E-01
8.00E+03	4.26E-08	4.93E-02	3.82E-07	5.87E-01
1.00E+04	3.06E-08	4.94E-02	2.73E-07	5.88E-01

CLASS D

AMAD = 1 MICRON

HALFLIFE= 1.27E+01 DAYS

BARIUM 140

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	1.15E-01	2.25E-01	3.01E-04	1.51E-01	4.91E-01
2.00E-01	1.20E-01	1.99E-01	2.92E-07	1.45E-01	4.64E-01
3.00E-01	1.24E-01	1.77E-01	0.00E+00	1.40E-01	4.41E-01
4.00E-01	1.27E-01	1.57E-01	0.00E+00	1.35E-01	4.19E-01
5.00E-01	1.28E-01	1.39E-01	0.00E+00	1.30E-01	3.97E-01
6.00E-01	1.29E-01	1.23E-01	0.00E+00	1.24E-01	3.76E-01
7.00E-01	1.29E-01	1.09E-01	0.00E+00	1.17E-01	3.55E-01
8.00E-01	1.28E-01	9.64E-02	0.00E+00	1.11E-01	3.35E-01
9.00E-01	1.27E-01	8.53E-02	0.00E+00	1.04E-01	3.16E-01
1.00E+00	1.25E-01	7.55E-02	0.00E+00	9.69E-02	2.98E-01
2.00E+00	1.00E-01	2.17E-02	0.00E+00	4.17E-02	1.63E-01
3.00E+00	7.48E-02	6.06E-03	0.00E+00	1.57E-02	9.65E-02
4.00E+00	5.65E-02	1.65E-03	0.00E+00	5.65E-03	6.38E-02
5.00E+00	4.42E-02	4.42E-04	0.00E+00	2.00E-03	4.67E-02
6.00E+00	3.60E-02	1.17E-04	0.00E+00	6.99E-04	3.68E-02
7.00E+00	3.03E-02	3.06E-05	0.00E+00	2.44E-04	3.05E-02
8.00E+00	2.62E-02	7.92E-06	0.00E+00	8.52E-05	2.63E-02
9.00E+00	2.31E-02	2.04E-06	0.00E+00	2.97E-05	2.31E-02
1.00E+01	2.07E-02	5.20E-07	0.00E+00	1.03E-05	2.07E-02
2.00E+01	9.74E-03	0.00E+00	0.00E+00	0.00E+00	9.74E-03
3.00E+01	5.39E-03	0.00E+00	0.00E+00	0.00E+00	5.39E-03
4.00E+01	3.04E-03	0.00E+00	0.00E+00	0.00E+00	3.04E-03
5.00E+01	1.72E-03	0.00E+00	0.00E+00	0.00E+00	1.72E-03
6.00E+01	9.71E-04	0.00E+00	0.00E+00	0.00E+00	9.71E-04
7.00E+01	5.50E-04	0.00E+00	0.00E+00	0.00E+00	5.50E-04
8.00E+01	3.12E-04	0.00E+00	0.00E+00	0.00E+00	3.12E-04
9.00E+01	1.77E-04	0.00E+00	0.00E+00	0.00E+00	1.77E-04
1.00E+02	1.00E-04	0.00E+00	0.00E+00	0.00E+00	1.00E-04
2.00E+02	3.66E-07	0.00E+00	0.00E+00	0.00E+00	3.66E-07

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	24-HOUR URINE	ACCUMULATED URINE	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		1.45E-02		1.30E-01
2.00E-01		1.67E-02		1.51E-01
3.00E-01		1.85E-02		1.69E-01
4.00E-01		2.01E-02		1.87E-01
5.00E-01		2.15E-02		2.04E-01
6.00E-01		2.28E-02		2.20E-01
7.00E-01		2.40E-02		2.36E-01
8.00E-01		2.50E-02		2.52E-01
9.00E-01		2.60E-02		2.67E-01
1.00E+00	2.69E-02	2.69E-02	2.81E-01	2.81E-01
2.00E+00	6.84E-03	3.23E-02	1.12E-01	3.78E-01
3.00E+00	3.45E-03	3.41E-02	5.48E-02	4.12E-01
4.00E+00	1.84E-03	3.41E-02	2.58E-02	4.16E-01
5.00E+00	1.04E-03	3.33E-02	1.27E-02	4.07E-01
6.00E+00	6.20E-04	3.22E-02	6.77E-03	3.92E-01
7.00E+00	3.88E-04	3.09E-02	3.91E-03	3.75E-01
8.00E+00	2.53E-04	2.95E-02	2.42E-03	3.58E-01
9.00E+00	1.71E-04	2.81E-02	1.59E-03	3.40E-01
1.00E+01	1.19E-04	2.67E-02	1.09E-03	3.24E-01
2.00E+01	7.87E-06	1.57E-02	7.08E-05	1.90E-01
3.00E+01	1.81E-06	9.16E-03	1.63E-05	1.10E-01
4.00E+01	8.48E-07	5.32E-03	7.63E-06	6.42E-02
5.00E+01	4.53E-07	3.09E-03	4.08E-06	3.73E-02
6.00E+01	2.46E-07	1.80E-03	2.21E-06	2.17E-02
7.00E+01	1.33E-07	1.05E-03	1.20E-06	1.26E-02
8.00E+01	7.25E-08	6.07E-04	6.53E-07	7.31E-03
9.00E+01	3.95E-08	3.53E-04	3.55E-07	4.25E-03
1.00E+02	2.15E-08	2.05E-04	1.93E-07	2.47E-03

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	2.57E-01	2.26E-01	3.03E-04	1.56E-01	6.39E-01
2.00E-01	2.81E-01	2.01E-01	2.96E-07	1.56E-01	6.38E-01
3.00E-01	3.02E-01	1.79E-01	0.00E+00	1.55E-01	6.36E-01
4.00E-01	3.21E-01	1.60E-01	0.00E+00	1.52E-01	6.33E-01
5.00E-01	3.38E-01	1.43E-01	0.00E+00	1.48E-01	6.29E-01
6.00E-01	3.54E-01	1.27E-01	0.00E+00	1.42E-01	6.23E-01
7.00E-01	3.68E-01	1.13E-01	0.00E+00	1.36E-01	6.17E-01
8.00E-01	3.80E-01	1.01E-01	0.00E+00	1.29E-01	6.10E-01
9.00E-01	3.91E-01	8.96E-02	0.00E+00	1.22E-01	6.02E-01
1.00E+00	4.01E-01	7.97E-02	0.00E+00	1.15E-01	5.95E-01
2.00E+00	4.56E-01	2.42E-02	0.00E+00	5.24E-02	5.33E-01
3.00E+00	4.73E-01	7.13E-03	0.00E+00	2.09E-02	5.01E-01
4.00E+00	4.78E-01	2.05E-03	0.00E+00	7.95E-03	4.88E-01
5.00E+00	4.79E-01	5.81E-04	0.00E+00	2.96E-03	4.83E-01
6.00E+00	4.80E-01	1.62E-04	0.00E+00	1.10E-03	4.81E-01
7.00E+00	4.80E-01	4.47E-05	0.00E+00	4.05E-04	4.80E-01
8.00E+00	4.80E-01	1.22E-05	0.00E+00	1.49E-04	4.80E-01
9.00E+00	4.79E-01	3.32E-06	0.00E+00	5.48E-05	4.80E-01
1.00E+01	4.79E-01	8.96E-07	0.00E+00	2.02E-05	4.79E-01
2.00E+01	4.78E-01	0.00E+00	0.00E+00	0.00E+00	4.78E-01
3.00E+01	4.77E-01	0.00E+00	0.00E+00	0.00E+00	4.77E-01
4.00E+01	4.77E-01	0.00E+00	0.00E+00	0.00E+00	4.77E-01
5.00E+01	4.76E-01	0.00E+00	0.00E+00	0.00E+00	4.76E-01
6.00E+01	4.75E-01	0.00E+00	0.00E+00	0.00E+00	4.75E-01
7.00E+01	4.74E-01	0.00E+00	0.00E+00	0.00E+00	4.74E-01
8.00E+01	4.73E-01	0.00E+00	0.00E+00	0.00E+00	4.73E-01
9.00E+01	4.72E-01	0.00E+00	0.00E+00	0.00E+00	4.72E-01
1.00E+02	4.71E-01	0.00E+00	0.00E+00	0.00E+00	4.71E-01
2.00E+02	4.62E-01	0.00E+00	0.00E+00	0.00E+00	4.62E-01
3.00E+02	4.53E-01	0.00E+00	0.00E+00	0.00E+00	4.53E-01
4.00E+02	4.44E-01	0.00E+00	0.00E+00	0.00E+00	4.44E-01
5.00E+02	4.35E-01	0.00E+00	0.00E+00	0.00E+00	4.35E-01
6.00E+02	4.27E-01	0.00E+00	0.00E+00	0.00E+00	4.27E-01
7.00E+02	4.18E-01	0.00E+00	0.00E+00	0.00E+00	4.18E-01
8.00E+02	4.10E-01	0.00E+00	0.00E+00	0.00E+00	4.10E-01
9.00E+02	4.02E-01	0.00E+00	0.00E+00	0.00E+00	4.02E-01
1.00E+03	3.94E-01	0.00E+00	0.00E+00	0.00E+00	3.94E-01
2.00E+03	3.23E-01	0.00E+00	0.00E+00	0.00E+00	3.23E-01
4.00E+03	2.18E-01	0.00E+00	0.00E+00	0.00E+00	2.18E-01
8.00E+03	9.85E-02	0.00E+00	0.00E+00	0.00E+00	9.85E-02
1.00E+04	6.63E-02	0.00E+00	0.00E+00	0.00E+00	6.63E-02
2.00E+04	9.16E-03	0.00E+00	0.00E+00	0.00E+00	9.16E-03

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		4.18E-06		6.07E-05
2.00E-01		9.51E-06		7.42E-04
3.00E-01		1.53E-05		2.64E-03
4.00E-01		2.15E-05		5.93E-03
5.00E-01		2.80E-05		1.05E-02
6.00E-01		3.49E-05		1.61E-02
7.00E-01		4.20E-05		2.25E-02
8.00E-01		4.94E-05		2.94E-02
9.00E-01		5.70E-05		3.66E-02
1.00E+00	6.49E-05	6.49E-05	4.40E-02	4.40E-02
2.00E+00	8.58E-05	1.51E-04	6.24E-02	1.06E-01
3.00E+00	9.23E-05	2.43E-04	3.15E-02	1.38E-01
4.00E+00	9.42E-05	3.37E-04	1.30E-02	1.51E-01
5.00E+00	9.48E-05	4.32E-04	4.98E-03	1.56E-01
6.00E+00	9.49E-05	5.27E-04	1.87E-03	1.58E-01
7.00E+00	9.50E-05	6.22E-04	6.92E-04	1.58E-01
8.00E+00	9.50E-05	7.17E-04	2.56E-04	1.59E-01
9.00E+00	9.49E-05	8.12E-04	9.41E-05	1.59E-01
1.00E+01	9.49E-05	9.07E-04	3.47E-05	1.59E-01
2.00E+01	9.47E-05	1.86E-03	0.00E+00	1.59E-01
3.00E+01	9.46E-05	2.80E-03	0.00E+00	1.59E-01
4.00E+01	9.44E-05	3.75E-03	0.00E+00	1.59E-01
5.00E+01	9.42E-05	4.69E-03	0.00E+00	1.59E-01
6.00E+01	9.40E-05	5.63E-03	0.00E+00	1.59E-01
7.00E+01	9.38E-05	6.57E-03	0.00E+00	1.59E-01
8.00E+01	9.36E-05	7.51E-03	0.00E+00	1.59E-01
9.00E+01	9.34E-05	8.44E-03	0.00E+00	1.59E-01
1.00E+02	9.33E-05	9.37E-03	0.00E+00	1.59E-01
2.00E+02	9.14E-05	1.86E-02	0.00E+00	1.59E-01
3.00E+02	8.96E-05	2.77E-02	0.00E+00	1.59E-01
4.00E+02	8.79E-05	3.65E-02	0.00E+00	1.59E-01
5.00E+02	8.62E-05	4.52E-02	0.00E+00	1.59E-01
6.00E+02	8.45E-05	5.38E-02	0.00E+00	1.59E-01
7.00E+02	8.28E-05	6.21E-02	0.00E+00	1.59E-01
8.00E+02	8.12E-05	7.03E-02	0.00E+00	1.59E-01
9.00E+02	7.96E-05	7.84E-02	0.00E+00	1.59E-01
1.00E+03	7.80E-05	8.62E-02	0.00E+00	1.59E-01
2.00E+03	6.40E-05	1.57E-01	0.00E+00	1.59E-01
4.00E+03	4.31E-05	2.63E-01	0.00E+00	1.59E-01
8.00E+03	1.95E-05	3.82E-01	0.00E+00	1.59E-01
1.00E+04	1.31E-05	4.14E-01	0.00E+00	1.59E-01
2.00E+04	1.81E-06	4.71E-01	0.00E+00	1.59E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	2.47E-01	2.17E-01	2.90E-04	1.50E-01	6.13E-01
2.00E-01	2.59E-01	1.85E-01	2.72E-07	1.44E-01	5.88E-01
3.00E-01	2.67E-01	1.59E-01	0.00E+00	1.37E-01	5.62E-01
4.00E-01	2.72E-01	1.36E-01	0.00E+00	1.29E-01	5.37E-01
5.00E-01	2.75E-01	1.16E-01	0.00E+00	1.20E-01	5.11E-01
6.00E-01	2.76E-01	9.91E-02	0.00E+00	1.11E-01	4.86E-01
7.00E-01	2.75E-01	8.47E-02	0.00E+00	1.02E-01	4.62E-01
8.00E-01	2.73E-01	7.23E-02	0.00E+00	9.28E-02	4.38E-01
9.00E-01	2.69E-01	6.18E-02	0.00E+00	8.41E-02	4.15E-01
1.00E+00	2.65E-01	5.27E-02	0.00E+00	7.59E-02	3.94E-01
2.00E+00	2.00E-01	1.06E-02	0.00E+00	2.30E-02	2.33E-01
3.00E+00	1.37E-01	2.07E-03	0.00E+00	6.06E-03	1.45E-01
4.00E+00	9.16E-02	3.93E-04	0.00E+00	1.52E-03	9.35E-02
5.00E+00	6.08E-02	7.36E-05	0.00E+00	3.76E-04	6.12E-02
6.00E+00	4.02E-02	1.36E-05	0.00E+00	9.20E-05	4.03E-02
7.00E+00	2.66E-02	2.48E-06	0.00E+00	2.24E-05	2.66E-02
8.00E+00	1.76E-02	4.49E-07	0.00E+00	5.47E-06	1.76E-02
9.00E+00	1.16E-02	8.07E-08	0.00E+00	1.33E-06	1.16E-02
1.00E+01	7.70E-03	1.44E-08	0.00E+00	3.24E-07	7.70E-03
2.00E+01	1.24E-04	0.00E+00	0.00E+00	0.00E+00	1.24E-04
3.00E+01	1.98E-06	0.00E+00	0.00E+00	0.00E+00	1.98E-06
4.00E+01	3.18E-08	0.00E+00	0.00E+00	0.00E+00	3.18E-08

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		4.01E-06		5.83E-05
2.00E-01		8.76E-06		6.83E-04
3.00E-01		1.35E-05		2.34E-03
4.00E-01		1.82E-05		5.03E-03
5.00E-01		2.28E-05		8.53E-03
6.00E-01		2.72E-05		1.26E-02
7.00E-01		3.15E-05		1.68E-02
8.00E-01		3.55E-05		2.11E-02
9.00E-01		3.93E-05		2.53E-02
1.00E+00	4.29E-05	4.29E-05	2.91E-02	2.91E-02
2.00E+00	3.76E-05	6.60E-05	2.73E-02	4.66E-02
3.00E+00	2.67E-05	7.04E-05	9.13E-03	3.99E-02
4.00E+00	1.81E-05	6.46E-05	2.48E-03	2.89E-02
5.00E+00	1.20E-05	5.48E-05	6.32E-04	1.98E-02
6.00E+00	7.96E-06	4.42E-05	1.57E-04	1.32E-02
7.00E+00	5.27E-06	3.45E-05	3.84E-05	8.79E-03
8.00E+00	3.49E-06	2.63E-05	9.38E-06	5.83E-03
9.00E+00	2.31E-06	1.97E-05	2.29E-06	3.86E-03
1.00E+01	1.53E-06	1.46E-05	5.57E-07	2.55E-03
2.00E+01	2.45E-08	4.79E-07	0.00E+00	4.10E-05

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	2.46E-01	2.26E-01	3.03E-04	1.56E-01	6.28E-01
2.00E-01	2.58E-01	2.01E-01	2.96E-07	1.56E-01	6.15E-01
3.00E-01	2.69E-01	1.79E-01	0.00E+00	1.55E-01	6.03E-01
4.00E-01	2.79E-01	1.60E-01	0.00E+00	1.52E-01	5.91E-01
5.00E-01	2.89E-01	1.43E-01	0.00E+00	1.48E-01	5.79E-01
6.00E-01	2.98E-01	1.27E-01	0.00E+00	1.42E-01	5.67E-01
7.00E-01	3.06E-01	1.13E-01	0.00E+00	1.36E-01	5.55E-01
8.00E-01	3.13E-01	1.01E-01	0.00E+00	1.29E-01	5.43E-01
9.00E-01	3.19E-01	8.96E-02	0.00E+00	1.22E-01	5.31E-01
1.00E+00	3.25E-01	7.97E-02	0.00E+00	1.15E-01	5.20E-01
2.00E+00	3.58E-01	2.42E-02	0.00E+00	5.25E-02	4.35E-01
3.00E+00	3.68E-01	7.13E-03	0.00E+00	2.09E-02	3.96E-01
4.00E+00	3.70E-01	2.05E-03	0.00E+00	7.95E-03	3.80E-01
5.00E+00	3.70E-01	5.81E-04	0.00E+00	2.97E-03	3.74E-01
6.00E+00	3.69E-01	1.62E-04	0.00E+00	1.10E-03	3.71E-01
7.00E+00	3.69E-01	4.47E-05	0.00E+00	4.05E-04	3.69E-01
8.00E+00	3.68E-01	1.22E-05	0.00E+00	1.49E-04	3.68E-01
9.00E+00	3.68E-01	3.32E-06	0.00E+00	5.49E-05	3.68E-01
1.00E+01	3.67E-01	8.96E-07	0.00E+00	2.02E-05	3.67E-01
2.00E+01	3.62E-01	0.00E+00	0.00E+00	0.00E+00	3.62E-01
3.00E+01	3.60E-01	0.00E+00	0.00E+00	0.00E+00	3.60E-01
4.00E+01	3.58E-01	0.00E+00	0.00E+00	0.00E+00	3.58E-01
5.00E+01	3.57E-01	0.00E+00	0.00E+00	0.00E+00	3.57E-01
6.00E+01	3.56E-01	0.00E+00	0.00E+00	0.00E+00	3.56E-01
7.00E+01	3.55E-01	0.00E+00	0.00E+00	0.00E+00	3.55E-01
8.00E+01	3.55E-01	0.00E+00	0.00E+00	0.00E+00	3.55E-01
9.00E+01	3.54E-01	0.00E+00	0.00E+00	0.00E+00	3.54E-01
1.00E+02	3.53E-01	0.00E+00	0.00E+00	0.00E+00	3.53E-01
2.00E+02	3.46E-01	0.00E+00	0.00E+00	0.00E+00	3.46E-01
3.00E+02	3.39E-01	0.00E+00	0.00E+00	0.00E+00	3.39E-01
4.00E+02	3.33E-01	0.00E+00	0.00E+00	0.00E+00	3.33E-01
5.00E+02	3.26E-01	0.00E+00	0.00E+00	0.00E+00	3.26E-01
6.00E+02	3.20E-01	0.00E+00	0.00E+00	0.00E+00	3.20E-01
7.00E+02	3.14E-01	0.00E+00	0.00E+00	0.00E+00	3.14E-01
8.00E+02	3.07E-01	0.00E+00	0.00E+00	0.00E+00	3.07E-01
9.00E+02	3.01E-01	0.00E+00	0.00E+00	0.00E+00	3.01E-01
1.00E+03	2.95E-01	0.00E+00	0.00E+00	0.00E+00	2.95E-01
2.00E+03	2.42E-01	0.00E+00	0.00E+00	0.00E+00	2.42E-01
4.00E+03	1.63E-01	0.00E+00	0.00E+00	0.00E+00	1.63E-01
8.00E+03	7.39E-02	0.00E+00	0.00E+00	0.00E+00	7.39E-02
1.00E+04	4.97E-02	0.00E+00	0.00E+00	0.00E+00	4.97E-02
2.00E+04	6.87E-03	0.00E+00	0.00E+00	0.00E+00	6.87E-03

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		1.15E-02		6.07E-05
2.00E-01		2.31E-02		7.42E-04
3.00E-01		3.32E-02		2.64E-03
4.00E-01		4.19E-02		5.93E-03
5.00E-01		4.95E-02		1.05E-02
6.00E-01		5.61E-02		1.61E-02
7.00E-01		6.19E-02		2.25E-02
8.00E-01		6.70E-02		2.94E-02
9.00E-01		7.15E-02		3.67E-02
1.00E+00	7.56E-02	7.56E-02	4.40E-02	4.40E-02
2.00E+00	2.23E-02	9.79E-02	6.24E-02	1.06E-01
3.00E+00	7.47E-03	1.05E-01	3.16E-02	1.38E-01
4.00E+00	2.85E-03	1.08E-01	1.30E-02	1.51E-01
5.00E+00	1.41E-03	1.10E-01	4.99E-03	1.56E-01
6.00E+00	9.44E-04	1.11E-01	1.87E-03	1.58E-01
7.00E+00	7.76E-04	1.11E-01	6.93E-04	1.59E-01
8.00E+00	6.98E-04	1.12E-01	2.56E-04	1.59E-01
9.00E+00	6.47E-04	1.13E-01	9.42E-05	1.59E-01
1.00E+01	6.06E-04	1.13E-01	3.47E-05	1.59E-01
2.00E+01	3.38E-04	1.18E-01	0.00E+00	1.59E-01
3.00E+01	2.05E-04	1.20E-01	0.00E+00	1.59E-01
4.00E+01	1.38E-04	1.22E-01	0.00E+00	1.59E-01
5.00E+01	1.04E-04	1.23E-01	0.00E+00	1.59E-01
6.00E+01	8.72E-05	1.24E-01	0.00E+00	1.59E-01
7.00E+01	7.87E-05	1.25E-01	0.00E+00	1.59E-01
8.00E+01	7.44E-05	1.26E-01	0.00E+00	1.59E-01
9.00E+01	7.22E-05	1.26E-01	0.00E+00	1.59E-01
1.00E+02	7.10E-05	1.27E-01	0.00E+00	1.59E-01
2.00E+02	6.86E-05	1.34E-01	0.00E+00	1.59E-01
3.00E+02	6.72E-05	1.41E-01	0.00E+00	1.59E-01
4.00E+02	6.59E-05	1.47E-01	0.00E+00	1.59E-01
5.00E+02	6.46E-05	1.54E-01	0.00E+00	1.59E-01
6.00E+02	6.33E-05	1.60E-01	0.00E+00	1.59E-01
7.00E+02	6.21E-05	1.67E-01	0.00E+00	1.59E-01
8.00E+02	6.09E-05	1.73E-01	0.00E+00	1.59E-01
9.00E+02	5.97E-05	1.79E-01	0.00E+00	1.59E-01
1.00E+03	5.85E-05	1.85E-01	0.00E+00	1.59E-01
2.00E+03	4.80E-05	2.38E-01	0.00E+00	1.59E-01
4.00E+03	3.23E-05	3.17E-01	0.00E+00	1.59E-01
8.00E+03	1.46E-05	4.06E-01	0.00E+00	1.59E-01
1.00E+04	9.85E-06	4.30E-01	0.00E+00	1.59E-01
2.00E+04	1.37E-06	4.73E-01	0.00E+00	1.59E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	2.56E-01	2.26E-01	3.03E-04	1.56E-01	6.38E-01
2.00E-01	2.79E-01	2.01E-01	2.96E-07	1.56E-01	6.36E-01
3.00E-01	2.99E-01	1.79E-01	0.00E+00	1.55E-01	6.33E-01
4.00E-01	3.16E-01	1.60E-01	0.00E+00	1.52E-01	6.28E-01
5.00E-01	3.32E-01	1.43E-01	0.00E+00	1.48E-01	6.22E-01
6.00E-01	3.45E-01	1.27E-01	0.00E+00	1.42E-01	6.15E-01
7.00E-01	3.58E-01	1.13E-01	0.00E+00	1.36E-01	6.06E-01
8.00E-01	3.68E-01	1.01E-01	0.00E+00	1.29E-01	5.98E-01
9.00E-01	3.77E-01	8.96E-02	0.00E+00	1.22E-01	5.89E-01
1.00E+00	3.85E-01	7.97E-02	0.00E+00	1.15E-01	5.80E-01
2.00E+00	4.22E-01	2.42E-02	0.00E+00	5.24E-02	4.98E-01
3.00E+00	4.20E-01	7.13E-03	0.00E+00	2.09E-02	4.48E-01
4.00E+00	4.08E-01	2.05E-03	0.00E+00	7.94E-03	4.18E-01
5.00E+00	3.93E-01	5.81E-04	0.00E+00	2.96E-03	3.97E-01
6.00E+00	3.79E-01	1.62E-04	0.00E+00	1.10E-03	3.80E-01
7.00E+00	3.66E-01	4.47E-05	0.00E+00	4.04E-04	3.67E-01
8.00E+00	3.54E-01	1.22E-05	0.00E+00	1.49E-04	3.54E-01
9.00E+00	3.43E-01	3.32E-06	0.00E+00	5.48E-05	3.44E-01
1.00E+01	3.34E-01	8.96E-07	0.00E+00	2.02E-05	3.34E-01
2.00E+01	2.75E-01	0.00E+00	0.00E+00	0.00E+00	2.75E-01
3.00E+01	2.53E-01	0.00E+00	0.00E+00	0.00E+00	2.53E-01
4.00E+01	2.44E-01	0.00E+00	0.00E+00	0.00E+00	2.44E-01
5.00E+01	2.41E-01	0.00E+00	0.00E+00	0.00E+00	2.41E-01
6.00E+01	2.40E-01	0.00E+00	0.00E+00	0.00E+00	2.40E-01
7.00E+01	2.39E-01	0.00E+00	0.00E+00	0.00E+00	2.39E-01
8.00E+01	2.39E-01	0.00E+00	0.00E+00	0.00E+00	2.39E-01
9.00E+01	2.38E-01	0.00E+00	0.00E+00	0.00E+00	2.38E-01
1.00E+02	2.38E-01	0.00E+00	0.00E+00	0.00E+00	2.38E-01
2.00E+02	2.36E-01	0.00E+00	0.00E+00	0.00E+00	2.36E-01
3.00E+02	2.34E-01	0.00E+00	0.00E+00	0.00E+00	2.34E-01
4.00E+02	2.32E-01	0.00E+00	0.00E+00	0.00E+00	2.32E-01
5.00E+02	2.30E-01	0.00E+00	0.00E+00	0.00E+00	2.30E-01
6.00E+02	2.28E-01	0.00E+00	0.00E+00	0.00E+00	2.28E-01
7.00E+02	2.26E-01	0.00E+00	0.00E+00	0.00E+00	2.26E-01
8.00E+02	2.24E-01	0.00E+00	0.00E+00	0.00E+00	2.24E-01
9.00E+02	2.22E-01	0.00E+00	0.00E+00	0.00E+00	2.22E-01
1.00E+03	2.20E-01	0.00E+00	0.00E+00	0.00E+00	2.20E-01
2.00E+03	2.02E-01	0.00E+00	0.00E+00	0.00E+00	2.02E-01
4.00E+03	1.70E-01	0.00E+00	0.00E+00	0.00E+00	1.70E-01
8.00E+03	1.20E-01	0.00E+00	0.00E+00	0.00E+00	1.20E-01
1.00E+04	1.01E-01	0.00E+00	0.00E+00	0.00E+00	1.01E-01
2.00E+04	4.25E-02	0.00E+00	0.00E+00	0.00E+00	4.25E-02

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		1.04E-03		6.07E-05
2.00E-01		2.36E-03		7.42E-04
3.00E-01		3.77E-03		2.64E-03
4.00E-01		5.28E-03		5.93E-03
5.00E-01		6.85E-03		1.05E-02
6.00E-01		8.49E-03		1.61E-02
7.00E-01		1.02E-02		2.25E-02
8.00E-01		1.19E-02		2.94E-02
9.00E-01		1.37E-02		3.66E-02
1.00E+00	1.55E-02	1.55E-02	4.40E-02	4.40E-02
2.00E+00	1.90E-02	3.46E-02	6.23E-02	1.06E-01
3.00E+00	1.88E-02	5.33E-02	3.15E-02	1.38E-01
4.00E+00	1.75E-02	7.08E-02	1.29E-02	1.51E-01
5.00E+00	1.59E-02	8.67E-02	4.98E-03	1.56E-01
6.00E+00	1.45E-02	1.01E-01	1.87E-03	1.58E-01
7.00E+00	1.31E-02	1.14E-01	6.92E-04	1.58E-01
8.00E+00	1.19E-02	1.26E-01	2.55E-04	1.59E-01
9.00E+00	1.08E-02	1.37E-01	9.40E-05	1.59E-01
1.00E+01	9.77E-03	1.47E-01	3.46E-05	1.59E-01
2.00E+01	3.64E-03	2.06E-01	0.00E+00	1.59E-01
3.00E+01	1.37E-03	2.28E-01	0.00E+00	1.59E-01
4.00E+01	5.21E-04	2.36E-01	0.00E+00	1.59E-01
5.00E+01	2.07E-04	2.39E-01	0.00E+00	1.59E-01
6.00E+01	8.97E-05	2.41E-01	0.00E+00	1.59E-01
7.00E+01	4.63E-05	2.41E-01	0.00E+00	1.59E-01
8.00E+01	3.02E-05	2.42E-01	0.00E+00	1.59E-01
9.00E+01	2.42E-05	2.42E-01	0.00E+00	1.59E-01
1.00E+02	2.19E-05	2.42E-01	0.00E+00	1.59E-01
2.00E+02	2.05E-05	2.44E-01	0.00E+00	1.59E-01
3.00E+02	2.03E-05	2.46E-01	0.00E+00	1.59E-01
4.00E+02	2.01E-05	2.48E-01	0.00E+00	1.59E-01
5.00E+02	1.99E-05	2.50E-01	0.00E+00	1.59E-01
6.00E+02	1.98E-05	2.52E-01	0.00E+00	1.59E-01
7.00E+02	1.96E-05	2.54E-01	0.00E+00	1.59E-01
8.00E+02	1.94E-05	2.56E-01	0.00E+00	1.59E-01
9.00E+02	1.93E-05	2.58E-01	0.00E+00	1.59E-01
1.00E+03	1.91E-05	2.60E-01	0.00E+00	1.59E-01
2.00E+03	1.75E-05	2.78E-01	0.00E+00	1.59E-01
4.00E+03	1.47E-05	3.11E-01	0.00E+00	1.59E-01
8.00E+03	1.04E-05	3.60E-01	0.00E+00	1.59E-01
1.00E+04	8.75E-06	3.79E-01	0.00E+00	1.59E-01
2.00E+04	3.68E-06	4.38E-01	0.00E+00	1.59E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	2.56E-01	2.25E-01	3.02E-04	1.56E-01	6.37E-01
2.00E-01	2.78E-01	2.01E-01	2.95E-07	1.56E-01	6.34E-01
3.00E-01	2.97E-01	1.79E-01	0.00E+00	1.54E-01	6.30E-01
4.00E-01	3.14E-01	1.59E-01	0.00E+00	1.51E-01	6.24E-01
5.00E-01	3.29E-01	1.41E-01	0.00E+00	1.46E-01	6.17E-01
6.00E-01	3.42E-01	1.26E-01	0.00E+00	1.41E-01	6.09E-01
7.00E-01	3.53E-01	1.12E-01	0.00E+00	1.34E-01	6.00E-01
8.00E-01	3.63E-01	9.94E-02	0.00E+00	1.27E-01	5.90E-01
9.00E-01	3.72E-01	8.83E-02	0.00E+00	1.20E-01	5.80E-01
1.00E+00	3.79E-01	7.84E-02	0.00E+00	1.13E-01	5.70E-01
2.00E+00	4.08E-01	2.34E-02	0.00E+00	5.07E-02	4.82E-01
3.00E+00	4.00E-01	6.79E-03	0.00E+00	1.99E-02	4.27E-01
4.00E+00	3.82E-01	1.92E-03	0.00E+00	7.44E-03	3.91E-01
5.00E+00	3.62E-01	5.35E-04	0.00E+00	2.73E-03	3.66E-01
6.00E+00	3.44E-01	1.47E-04	0.00E+00	9.93E-04	3.45E-01
7.00E+00	3.26E-01	3.99E-05	0.00E+00	3.60E-04	3.27E-01
8.00E+00	3.11E-01	1.07E-05	0.00E+00	1.31E-04	3.11E-01
9.00E+00	2.96E-01	2.87E-06	0.00E+00	4.73E-05	2.97E-01
1.00E+01	2.83E-01	7.61E-07	0.00E+00	1.71E-05	2.83E-01
2.00E+01	1.98E-01	0.00E+00	0.00E+00	0.00E+00	1.98E-01
3.00E+01	1.55E-01	0.00E+00	0.00E+00	0.00E+00	1.55E-01
4.00E+01	1.27E-01	0.00E+00	0.00E+00	0.00E+00	1.27E-01
5.00E+01	1.06E-01	0.00E+00	0.00E+00	0.00E+00	1.06E-01
6.00E+01	8.99E-02	0.00E+00	0.00E+00	0.00E+00	8.99E-02
7.00E+01	7.61E-02	0.00E+00	0.00E+00	0.00E+00	7.61E-02
8.00E+01	6.45E-02	0.00E+00	0.00E+00	0.00E+00	6.45E-02
9.00E+01	5.47E-02	0.00E+00	0.00E+00	0.00E+00	5.47E-02
1.00E+02	4.64E-02	0.00E+00	0.00E+00	0.00E+00	4.64E-02
2.00E+02	8.98E-03	0.00E+00	0.00E+00	0.00E+00	8.98E-03
3.00E+02	1.74E-03	0.00E+00	0.00E+00	0.00E+00	1.74E-03
4.00E+02	3.35E-04	0.00E+00	0.00E+00	0.00E+00	3.35E-04
5.00E+02	6.49E-05	0.00E+00	0.00E+00	0.00E+00	6.49E-05
6.00E+02	1.25E-05	0.00E+00	0.00E+00	0.00E+00	1.25E-05
7.00E+02	2.42E-06	0.00E+00	0.00E+00	0.00E+00	2.42E-06
8.00E+02	4.69E-07	0.00E+00	0.00E+00	0.00E+00	4.69E-07
9.00E+02	9.06E-08	0.00E+00	0.00E+00	0.00E+00	9.06E-08
1.00E+03	1.75E-08	0.00E+00	0.00E+00	0.00E+00	1.75E-08

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		1.04E-03		6.06E-05
2.00E-01		2.35E-03		7.39E-04
3.00E-01		3.76E-03		2.63E-03
4.00E-01		5.24E-03		5.89E-03
5.00E-01		6.80E-03		1.04E-02
6.00E-01		8.41E-03		1.59E-02
7.00E-01		1.01E-02		2.22E-02
8.00E-01		1.18E-02		2.90E-02
9.00E-01		1.35E-02		3.61E-02
1.00E+00	1.53E-02	1.53E-02	4.33E-02	4.33E-02
2.00E+00	1.84E-02	3.34E-02	6.03E-02	1.03E-01
3.00E+00	1.79E-02	5.08E-02	3.00E-02	1.31E-01
4.00E+00	1.63E-02	6.63E-02	1.21E-02	1.41E-01
5.00E+00	1.47E-02	7.99E-02	4.59E-03	1.43E-01
6.00E+00	1.31E-02	9.17E-02	1.69E-03	1.43E-01
7.00E+00	1.17E-02	1.02E-01	6.17E-04	1.41E-01
8.00E+00	1.04E-02	1.11E-01	2.24E-04	1.39E-01
9.00E+00	9.31E-03	1.18E-01	8.12E-05	1.37E-01
1.00E+01	8.29E-03	1.25E-01	2.94E-05	1.35E-01
2.00E+01	2.63E-03	1.48E-01	0.00E+00	1.14E-01
3.00E+01	8.37E-04	1.40E-01	0.00E+00	9.72E-02
4.00E+01	2.71E-04	1.23E-01	0.00E+00	8.25E-02
5.00E+01	9.12E-05	1.06E-01	0.00E+00	7.01E-02
6.00E+01	3.37E-05	9.03E-02	0.00E+00	5.95E-02
7.00E+01	1.48E-05	7.69E-02	0.00E+00	5.05E-02
8.00E+01	8.17E-06	6.54E-02	0.00E+00	4.29E-02
9.00E+01	5.55E-06	5.56E-02	0.00E+00	3.64E-02
1.00E+02	4.28E-06	4.72E-02	0.00E+00	3.09E-02
2.00E+02	7.78E-07	9.29E-03	0.00E+00	6.03E-03
3.00E+02	1.50E-07	1.83E-03	0.00E+00	1.18E-03
4.00E+02	2.91E-08	3.59E-04	0.00E+00	2.29E-04

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	2.21E-01	2.26E-01	3.03E-04	1.41E-01	5.88E-01
2.00E-01	2.07E-01	2.01E-01	2.96E-07	1.24E-01	5.32E-01
3.00E-01	1.86E-01	1.79E-01	0.00E+00	1.15E-01	4.80E-01
4.00E-01	1.65E-01	1.60E-01	0.00E+00	1.08E-01	4.34E-01
5.00E-01	1.46E-01	1.43E-01	0.00E+00	1.03E-01	3.92E-01
6.00E-01	1.29E-01	1.27E-01	0.00E+00	9.86E-02	3.55E-01
7.00E-01	1.15E-01	1.13E-01	0.00E+00	9.36E-02	3.22E-01
8.00E-01	1.03E-01	1.01E-01	0.00E+00	8.84E-02	2.92E-01
9.00E-01	9.25E-02	8.96E-02	0.00E+00	8.32E-02	2.65E-01
1.00E+00	8.37E-02	7.97E-02	0.00E+00	7.79E-02	2.41E-01
2.00E+00	4.05E-02	2.42E-02	0.00E+00	3.50E-02	9.98E-02
3.00E+00	2.77E-02	7.13E-03	0.00E+00	1.39E-02	4.87E-02
4.00E+00	2.31E-02	2.05E-03	0.00E+00	5.26E-03	3.04E-02
5.00E+00	2.11E-02	5.81E-04	0.00E+00	1.96E-03	2.36E-02
6.00E+00	1.99E-02	1.62E-04	0.00E+00	7.25E-04	2.08E-02
7.00E+00	1.91E-02	4.47E-05	0.00E+00	2.67E-04	1.94E-02
8.00E+00	1.84E-02	1.22E-05	0.00E+00	9.85E-05	1.85E-02
9.00E+00	1.78E-02	3.32E-06	0.00E+00	3.63E-05	1.78E-02
1.00E+01	1.73E-02	8.96E-07	0.00E+00	1.33E-05	1.73E-02
2.00E+01	1.45E-02	0.00E+00	0.00E+00	0.00E+00	1.45E-02
3.00E+01	1.35E-02	0.00E+00	0.00E+00	0.00E+00	1.35E-02
4.00E+01	1.30E-02	0.00E+00	0.00E+00	0.00E+00	1.30E-02
5.00E+01	1.27E-02	0.00E+00	0.00E+00	0.00E+00	1.27E-02
6.00E+01	1.24E-02	0.00E+00	0.00E+00	0.00E+00	1.24E-02
7.00E+01	1.21E-02	0.00E+00	0.00E+00	0.00E+00	1.21E-02
8.00E+01	1.18E-02	0.00E+00	0.00E+00	0.00E+00	1.18E-02
9.00E+01	1.15E-02	0.00E+00	0.00E+00	0.00E+00	1.15E-02
1.00E+02	1.13E-02	0.00E+00	0.00E+00	0.00E+00	1.13E-02
2.00E+02	9.37E-03	0.00E+00	0.00E+00	0.00E+00	9.37E-03
3.00E+02	8.17E-03	0.00E+00	0.00E+00	0.00E+00	8.17E-03
4.00E+02	7.33E-03	0.00E+00	0.00E+00	0.00E+00	7.33E-03
5.00E+02	6.70E-03	0.00E+00	0.00E+00	0.00E+00	6.70E-03
6.00E+02	6.18E-03	0.00E+00	0.00E+00	0.00E+00	6.18E-03
7.00E+02	5.73E-03	0.00E+00	0.00E+00	0.00E+00	5.73E-03
8.00E+02	5.33E-03	0.00E+00	0.00E+00	0.00E+00	5.33E-03
9.00E+02	4.96E-03	0.00E+00	0.00E+00	0.00E+00	4.96E-03
1.00E+03	4.63E-03	0.00E+00	0.00E+00	0.00E+00	4.63E-03
2.00E+03	2.31E-03	0.00E+00	0.00E+00	0.00E+00	2.31E-03
4.00E+03	5.78E-04	0.00E+00	0.00E+00	0.00E+00	5.78E-04
8.00E+03	3.61E-05	0.00E+00	0.00E+00	0.00E+00	3.61E-05
1.00E+04	9.05E-06	0.00E+00	0.00E+00	0.00E+00	9.05E-06
2.00E+04	2.61E-08	0.00E+00	0.00E+00	0.00E+00	2.61E-08

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		5.08E-02		5.80E-05
2.00E-01		1.06E-01		6.78E-04
3.00E-01		1.56E-01		2.32E-03
4.00E-01		2.00E-01		5.03E-03
5.00E-01		2.38E-01		8.66E-03
6.00E-01		2.71E-01		1.30E-02
7.00E-01		3.00E-01		1.78E-02
8.00E-01		3.24E-01		2.28E-02
9.00E-01		3.46E-01		2.81E-02
1.00E+00	3.64E-01	3.64E-01	3.34E-02	3.34E-02
2.00E+00	9.86E-02	4.63E-01	4.29E-02	7.63E-02
3.00E+00	2.99E-02	4.93E-01	2.11E-02	9.74E-02
4.00E+00	9.69E-03	5.03E-01	8.61E-03	1.06E-01
5.00E+00	3.50E-03	5.06E-01	3.30E-03	1.09E-01
6.00E+00	1.59E-03	5.08E-01	1.24E-03	1.11E-01
7.00E+00	9.61E-04	5.09E-01	4.58E-04	1.11E-01
8.00E+00	7.20E-04	5.09E-01	1.69E-04	1.11E-01
9.00E+00	5.98E-04	5.10E-01	6.23E-05	1.11E-01
1.00E+01	5.16E-04	5.11E-01	2.29E-05	1.11E-01
2.00E+01	1.56E-04	5.13E-01	0.00E+00	1.11E-01
3.00E+01	6.56E-05	5.14E-01	0.00E+00	1.11E-01
4.00E+01	4.15E-05	5.15E-01	0.00E+00	1.11E-01
5.00E+01	3.41E-05	5.15E-01	0.00E+00	1.11E-01
6.00E+01	3.09E-05	5.15E-01	0.00E+00	1.11E-01
7.00E+01	2.89E-05	5.16E-01	0.00E+00	1.11E-01
8.00E+01	2.72E-05	5.16E-01	0.00E+00	1.11E-01
9.00E+01	2.58E-05	5.16E-01	0.00E+00	1.11E-01
1.00E+02	2.44E-05	5.17E-01	0.00E+00	1.11E-01
2.00E+02	1.48E-05	5.18E-01	0.00E+00	1.11E-01
3.00E+02	9.81E-06	5.20E-01	0.00E+00	1.11E-01
4.00E+02	7.16E-06	5.20E-01	0.00E+00	1.11E-01
5.00E+02	5.68E-06	5.21E-01	0.00E+00	1.11E-01
6.00E+02	4.80E-06	5.22E-01	0.00E+00	1.11E-01
7.00E+02	4.23E-06	5.22E-01	0.00E+00	1.11E-01
8.00E+02	3.82E-06	5.23E-01	0.00E+00	1.11E-01
9.00E+02	3.51E-06	5.23E-01	0.00E+00	1.11E-01
1.00E+03	3.24E-06	5.23E-01	0.00E+00	1.11E-01
2.00E+03	1.60E-06	5.26E-01	0.00E+00	1.11E-01
4.00E+03	4.06E-07	5.27E-01	0.00E+00	1.11E-01
8.00E+03	3.60E-08	5.28E-01	0.00E+00	1.11E-01
1.00E+04	1.99E-08	5.28E-01	0.00E+00	1.11E-01
2.00E+04	2.73E-08	5.28E-01	0.00E+00	1.11E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	3.23E-01	2.22E-01	2.97E-04	7.28E-02	6.18E-01
2.00E-01	3.63E-01	1.94E-01	2.85E-07	3.58E-02	5.93E-01
3.00E-01	3.67E-01	1.70E-01	0.00E+00	2.97E-02	5.67E-01
4.00E-01	3.65E-01	1.49E-01	0.00E+00	2.77E-02	5.41E-01
5.00E-01	3.60E-01	1.30E-01	0.00E+00	2.60E-02	5.17E-01
6.00E-01	3.54E-01	1.14E-01	0.00E+00	2.43E-02	4.92E-01
7.00E-01	3.47E-01	9.95E-02	0.00E+00	2.25E-02	4.69E-01
8.00E-01	3.39E-01	8.69E-02	0.00E+00	2.08E-02	4.46E-01
9.00E-01	3.29E-01	7.60E-02	0.00E+00	1.91E-02	4.24E-01
1.00E+00	3.20E-01	6.63E-02	0.00E+00	1.75E-02	4.04E-01
2.00E+00	2.18E-01	1.68E-02	0.00E+00	6.41E-03	2.41E-01
3.00E+00	1.38E-01	4.11E-03	0.00E+00	2.10E-03	1.44E-01
4.00E+00	8.65E-02	9.86E-04	0.00E+00	6.61E-04	8.82E-02
5.00E+00	5.47E-02	2.32E-04	0.00E+00	2.05E-04	5.52E-02
6.00E+00	3.53E-02	5.39E-05	0.00E+00	6.31E-05	3.54E-02
7.00E+00	2.33E-02	1.24E-05	0.00E+00	1.94E-05	2.33E-02
8.00E+00	1.57E-02	2.82E-06	0.00E+00	5.93E-06	1.58E-02
9.00E+00	1.09E-02	6.38E-07	0.00E+00	1.82E-06	1.09E-02
1.00E+01	7.70E-03	1.43E-07	0.00E+00	5.57E-07	7.70E-03
2.00E+01	4.80E-04	0.00E+00	0.00E+00	0.00E+00	4.80E-04
3.00E+01	4.87E-05	0.00E+00	0.00E+00	0.00E+00	4.87E-05
4.00E+01	5.51E-06	0.00E+00	0.00E+00	0.00E+00	5.51E-06
5.00E+01	6.38E-07	0.00E+00	0.00E+00	0.00E+00	6.38E-07
6.00E+01	7.43E-08	0.00E+00	0.00E+00	0.00E+00	7.43E-08

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		9.55E-03		4.09E-05
2.00E-01		2.32E-02		3.66E-04
3.00E-01		3.70E-02		1.04E-03
4.00E-01		5.06E-02		1.97E-03
5.00E-01		6.35E-02		3.07E-03
6.00E-01		7.60E-02		4.26E-03
7.00E-01		8.78E-02		5.48E-03
8.00E-01		9.90E-02		6.69E-03
9.00E-01		1.10E-01		7.86E-03
1.00E+00	1.19E-01	1.19E-01	8.98E-03	8.98E-03
2.00E+00	8.69E-02	1.86E-01	8.16E-03	1.56E-02
3.00E+00	5.30E-02	2.08E-01	3.23E-03	1.62E-02
4.00E+00	3.09E-02	2.04E-01	1.09E-03	1.46E-02
5.00E+00	1.79E-02	1.88E-01	3.46E-04	1.25E-02
6.00E+00	1.04E-02	1.67E-01	1.07E-04	1.05E-02
7.00E+00	6.11E-03	1.45E-01	3.31E-05	8.79E-03
8.00E+00	3.65E-03	1.24E-01	1.02E-05	7.33E-03
9.00E+00	2.22E-03	1.06E-01	3.12E-06	6.10E-03
1.00E+01	1.37E-03	8.94E-02	9.56E-07	5.08E-03
2.00E+01	2.99E-05	1.50E-02	0.00E+00	8.12E-04
3.00E+01	1.89E-06	2.43E-03	0.00E+00	1.30E-04
4.00E+01	1.84E-07	3.91E-04	0.00E+00	2.07E-05
5.00E+01	2.06E-08	6.27E-05	0.00E+00	3.32E-06

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	2.47E-01	2.26E-01	3.03E-04	1.56E-01	6.28E-01
2.00E-01	2.60E-01	2.01E-01	2.96E-07	1.55E-01	6.17E-01
3.00E-01	2.72E-01	1.79E-01	0.00E+00	1.54E-01	6.05E-01
4.00E-01	2.83E-01	1.60E-01	0.00E+00	1.51E-01	5.94E-01
5.00E-01	2.93E-01	1.43E-01	0.00E+00	1.46E-01	5.82E-01
6.00E-01	3.02E-01	1.27E-01	0.00E+00	1.41E-01	5.70E-01
7.00E-01	3.10E-01	1.13E-01	0.00E+00	1.35E-01	5.57E-01
8.00E-01	3.17E-01	1.01E-01	0.00E+00	1.28E-01	5.45E-01
9.00E-01	3.23E-01	8.96E-02	0.00E+00	1.21E-01	5.33E-01
1.00E+00	3.29E-01	7.97E-02	0.00E+00	1.14E-01	5.22E-01
2.00E+00	3.58E-01	2.42E-02	0.00E+00	5.19E-02	4.34E-01
3.00E+00	3.63E-01	7.13E-03	0.00E+00	2.07E-02	3.91E-01
4.00E+00	3.60E-01	2.05E-03	0.00E+00	7.86E-03	3.70E-01
5.00E+00	3.55E-01	5.81E-04	0.00E+00	2.93E-03	3.59E-01
6.00E+00	3.50E-01	1.62E-04	0.00E+00	1.09E-03	3.51E-01
7.00E+00	3.45E-01	4.47E-05	0.00E+00	4.00E-04	3.46E-01
8.00E+00	3.41E-01	1.22E-05	0.00E+00	1.47E-04	3.41E-01
9.00E+00	3.36E-01	3.32E-06	0.00E+00	5.42E-05	3.36E-01
1.00E+01	3.32E-01	8.96E-07	0.00E+00	2.00E-05	3.32E-01
2.00E+01	3.02E-01	0.00E+00	0.00E+00	0.00E+00	3.02E-01
3.00E+01	2.84E-01	0.00E+00	0.00E+00	0.00E+00	2.84E-01
4.00E+01	2.71E-01	0.00E+00	0.00E+00	0.00E+00	2.71E-01
5.00E+01	2.61E-01	0.00E+00	0.00E+00	0.00E+00	2.61E-01
6.00E+01	2.51E-01	0.00E+00	0.00E+00	0.00E+00	2.51E-01
7.00E+01	2.42E-01	0.00E+00	0.00E+00	0.00E+00	2.42E-01
8.00E+01	2.34E-01	0.00E+00	0.00E+00	0.00E+00	2.34E-01
9.00E+01	2.26E-01	0.00E+00	0.00E+00	0.00E+00	2.26E-01
1.00E+02	2.18E-01	0.00E+00	0.00E+00	0.00E+00	2.18E-01
2.00E+02	1.54E-01	0.00E+00	0.00E+00	0.00E+00	1.54E-01
3.00E+02	1.09E-01	0.00E+00	0.00E+00	0.00E+00	1.09E-01
4.00E+02	7.72E-02	0.00E+00	0.00E+00	0.00E+00	7.72E-02
5.00E+02	5.46E-02	0.00E+00	0.00E+00	0.00E+00	5.46E-02
6.00E+02	3.86E-02	0.00E+00	0.00E+00	0.00E+00	3.86E-02
7.00E+02	2.73E-02	0.00E+00	0.00E+00	0.00E+00	2.73E-02
8.00E+02	1.93E-02	0.00E+00	0.00E+00	0.00E+00	1.93E-02
9.00E+02	1.37E-02	0.00E+00	0.00E+00	0.00E+00	1.37E-02
1.00E+03	9.66E-03	0.00E+00	0.00E+00	0.00E+00	9.66E-03
2.00E+03	3.02E-04	0.00E+00	0.00E+00	0.00E+00	3.02E-04
3.00E+03	9.44E-06	0.00E+00	0.00E+00	0.00E+00	9.44E-06
4.00E+03	2.93E-07	0.00E+00	0.00E+00	0.00E+00	2.93E-07

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		1.07E-02		6.07E-05
2.00E-01		2.17E-02		7.40E-04
3.00E-01		3.13E-02		2.64E-03
4.00E-01		3.97E-02		5.91E-03
5.00E-01		4.71E-02		1.04E-02
6.00E-01		5.36E-02		1.60E-02
7.00E-01		5.94E-02		2.24E-02
8.00E-01		6.46E-02		2.92E-02
9.00E-01		6.92E-02		3.64E-02
1.00E+00	7.34E-02	7.34E-02	4.37E-02	4.37E-02
2.00E+00	2.59E-02	9.93E-02	6.18E-02	1.06E-01
3.00E+00	1.24E-02	1.12E-01	3.12E-02	1.37E-01
4.00E+00	7.93E-03	1.20E-01	1.28E-02	1.50E-01
5.00E+00	6.28E-03	1.26E-01	4.93E-03	1.54E-01
6.00E+00	5.52E-03	1.31E-01	1.85E-03	1.56E-01
7.00E+00	5.05E-03	1.37E-01	6.85E-04	1.57E-01
8.00E+00	4.69E-03	1.41E-01	2.53E-04	1.57E-01
9.00E+00	4.38E-03	1.46E-01	9.31E-05	1.57E-01
1.00E+01	4.09E-03	1.50E-01	3.43E-05	1.57E-01
2.00E+01	2.29E-03	1.79E-01	0.00E+00	1.57E-01
3.00E+01	1.51E-03	1.97E-01	0.00E+00	1.57E-01
4.00E+01	1.16E-03	2.10E-01	0.00E+00	1.57E-01
5.00E+01	9.97E-04	2.21E-01	0.00E+00	1.57E-01
6.00E+01	9.11E-04	2.30E-01	0.00E+00	1.57E-01
7.00E+01	8.58E-04	2.39E-01	0.00E+00	1.57E-01
8.00E+01	8.19E-04	2.48E-01	0.00E+00	1.57E-01
9.00E+01	7.88E-04	2.56E-01	0.00E+00	1.57E-01
1.00E+02	7.59E-04	2.63E-01	0.00E+00	1.57E-01
2.00E+02	5.36E-04	3.27E-01	0.00E+00	1.57E-01
3.00E+02	3.79E-04	3.73E-01	0.00E+00	1.57E-01
4.00E+02	2.68E-04	4.05E-01	0.00E+00	1.57E-01
5.00E+02	1.90E-04	4.27E-01	0.00E+00	1.57E-01
6.00E+02	1.34E-04	4.43E-01	0.00E+00	1.57E-01
7.00E+02	9.48E-05	4.54E-01	0.00E+00	1.57E-01
8.00E+02	6.70E-05	4.62E-01	0.00E+00	1.57E-01
9.00E+02	4.74E-05	4.68E-01	0.00E+00	1.57E-01
1.00E+03	3.35E-05	4.72E-01	0.00E+00	1.57E-01
2.00E+03	1.05E-06	4.81E-01	0.00E+00	1.57E-01
3.00E+03	3.36E-08	4.82E-01	0.00E+00	1.57E-01

CLASS D

AMAD = 1 MICRON

HALFLIFE= 7.40E+01 DAYS

IRIDIUM 192

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	2.46E-01	2.26E-01	3.02E-04	1.55E-01	6.28E-01
2.00E-01	2.60E-01	2.01E-01	2.95E-07	1.55E-01	6.15E-01
3.00E-01	2.71E-01	1.79E-01	0.00E+00	1.53E-01	6.03E-01
4.00E-01	2.82E-01	1.59E-01	0.00E+00	1.50E-01	5.91E-01
5.00E-01	2.91E-01	1.42E-01	0.00E+00	1.46E-01	5.79E-01
6.00E-01	3.00E-01	1.26E-01	0.00E+00	1.40E-01	5.66E-01
7.00E-01	3.08E-01	1.12E-01	0.00E+00	1.34E-01	5.54E-01
8.00E-01	3.14E-01	9.99E-02	0.00E+00	1.27E-01	5.41E-01
9.00E-01	3.20E-01	8.88E-02	0.00E+00	1.20E-01	5.29E-01
1.00E+00	3.26E-01	7.89E-02	0.00E+00	1.12E-01	5.17E-01
2.00E+00	3.52E-01	2.38E-02	0.00E+00	5.09E-02	4.26E-01
3.00E+00	3.53E-01	6.93E-03	0.00E+00	2.01E-02	3.80E-01
4.00E+00	3.47E-01	1.98E-03	0.00E+00	7.57E-03	3.56E-01
5.00E+00	3.39E-01	5.54E-04	0.00E+00	2.80E-03	3.42E-01
6.00E+00	3.31E-01	1.53E-04	0.00E+00	1.03E-03	3.32E-01
7.00E+00	3.23E-01	4.19E-05	0.00E+00	3.75E-04	3.24E-01
8.00E+00	3.16E-01	1.14E-05	0.00E+00	1.37E-04	3.16E-01
9.00E+00	3.09E-01	3.05E-06	0.00E+00	4.99E-05	3.09E-01
1.00E+01	3.02E-01	8.16E-07	0.00E+00	1.82E-05	3.02E-01
2.00E+01	2.51E-01	0.00E+00	0.00E+00	0.00E+00	2.51E-01
3.00E+01	2.15E-01	0.00E+00	0.00E+00	0.00E+00	2.15E-01
4.00E+01	1.87E-01	0.00E+00	0.00E+00	0.00E+00	1.87E-01
5.00E+01	1.63E-01	0.00E+00	0.00E+00	0.00E+00	1.63E-01
6.00E+01	1.43E-01	0.00E+00	0.00E+00	0.00E+00	1.43E-01
7.00E+01	1.26E-01	0.00E+00	0.00E+00	0.00E+00	1.26E-01
8.00E+01	1.11E-01	0.00E+00	0.00E+00	0.00E+00	1.11E-01
9.00E+01	9.73E-02	0.00E+00	0.00E+00	0.00E+00	9.73E-02
1.00E+02	8.56E-02	0.00E+00	0.00E+00	0.00E+00	8.56E-02
2.00E+02	2.37E-02	0.00E+00	0.00E+00	0.00E+00	2.37E-02
3.00E+02	6.58E-03	0.00E+00	0.00E+00	0.00E+00	6.58E-03
4.00E+02	1.82E-03	0.00E+00	0.00E+00	0.00E+00	1.82E-03
5.00E+02	5.06E-04	0.00E+00	0.00E+00	0.00E+00	5.06E-04
6.00E+02	1.40E-04	0.00E+00	0.00E+00	0.00E+00	1.40E-04
7.00E+02	3.89E-05	0.00E+00	0.00E+00	0.00E+00	3.89E-05
8.00E+02	1.08E-05	0.00E+00	0.00E+00	0.00E+00	1.08E-05
9.00E+02	2.99E-06	0.00E+00	0.00E+00	0.00E+00	2.99E-06
1.00E+03	8.28E-07	0.00E+00	0.00E+00	0.00E+00	8.28E-07

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		1.07E-02		6.06E-05
2.00E-01		2.17E-02		7.39E-04
3.00E-01		3.12E-02		2.63E-03
4.00E-01		3.96E-02		5.89E-03
5.00E-01		4.69E-02		1.04E-02
6.00E-01		5.33E-02		1.59E-02
7.00E-01		5.90E-02		2.22E-02
8.00E-01		6.41E-02		2.90E-02
9.00E-01		6.87E-02		3.61E-02
1.00E+00	7.27E-02	7.27E-02	4.33E-02	4.33E-02
2.00E+00	2.54E-02	9.75E-02	6.06E-02	1.04E-01
3.00E+00	1.21E-02	1.09E-01	3.03E-02	1.33E-01
4.00E+00	7.64E-03	1.15E-01	1.24E-02	1.44E-01
5.00E+00	5.99E-03	1.20E-01	4.70E-03	1.47E-01
6.00E+00	5.22E-03	1.24E-01	1.75E-03	1.48E-01
7.00E+00	4.73E-03	1.28E-01	6.41E-04	1.47E-01
8.00E+00	4.35E-03	1.31E-01	2.35E-04	1.46E-01
9.00E+00	4.02E-03	1.34E-01	8.56E-05	1.45E-01
1.00E+01	3.73E-03	1.36E-01	3.12E-05	1.43E-01
2.00E+01	1.90E-03	1.49E-01	0.00E+00	1.31E-01
3.00E+01	1.14E-03	1.49E-01	0.00E+00	1.19E-01
4.00E+01	7.98E-04	1.45E-01	0.00E+00	1.08E-01
5.00E+01	6.24E-04	1.38E-01	0.00E+00	9.85E-02
6.00E+01	5.19E-04	1.31E-01	0.00E+00	8.97E-02
7.00E+01	4.45E-04	1.24E-01	0.00E+00	8.17E-02
8.00E+01	3.87E-04	1.17E-01	0.00E+00	7.44E-02
9.00E+01	3.39E-04	1.10E-01	0.00E+00	6.78E-02
1.00E+02	2.98E-04	1.03E-01	0.00E+00	6.17E-02
2.00E+02	8.24E-05	5.03E-02	0.00E+00	2.42E-02
3.00E+02	2.28E-05	2.24E-02	0.00E+00	9.48E-03
4.00E+02	6.33E-06	9.55E-03	0.00E+00	3.72E-03
5.00E+02	1.75E-06	3.95E-03	0.00E+00	1.46E-03
6.00E+02	4.87E-07	1.61E-03	0.00E+00	5.71E-04
7.00E+02	1.35E-07	6.47E-04	0.00E+00	2.24E-04
8.00E+02	3.74E-08	2.58E-04	0.00E+00	8.78E-05
9.00E+02	1.04E-08	1.02E-04	0.00E+00	3.44E-05

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	2.47E-01	2.26E-01	3.03E-04	1.56E-01	6.28E-01
2.00E-01	2.60E-01	2.01E-01	2.96E-07	1.55E-01	6.17E-01
3.00E-01	2.72E-01	1.79E-01	0.00E+00	1.54E-01	6.05E-01
4.00E-01	2.83E-01	1.60E-01	0.00E+00	1.51E-01	5.94E-01
5.00E-01	2.93E-01	1.43E-01	0.00E+00	1.46E-01	5.82E-01
6.00E-01	3.02E-01	1.27E-01	0.00E+00	1.41E-01	5.70E-01
7.00E-01	3.10E-01	1.13E-01	0.00E+00	1.35E-01	5.57E-01
8.00E-01	3.17E-01	1.01E-01	0.00E+00	1.28E-01	5.45E-01
9.00E-01	3.23E-01	8.96E-02	0.00E+00	1.21E-01	5.33E-01
1.00E+00	3.29E-01	7.97E-02	0.00E+00	1.14E-01	5.22E-01
2.00E+00	3.58E-01	2.42E-02	0.00E+00	5.19E-02	4.34E-01
3.00E+00	3.63E-01	7.13E-03	0.00E+00	2.07E-02	3.91E-01
4.00E+00	3.60E-01	2.05E-03	0.00E+00	7.86E-03	3.70E-01
5.00E+00	3.55E-01	5.81E-04	0.00E+00	2.93E-03	3.59E-01
6.00E+00	3.50E-01	1.62E-04	0.00E+00	1.09E-03	3.51E-01
7.00E+00	3.45E-01	4.47E-05	0.00E+00	4.00E-04	3.46E-01
8.00E+00	3.41E-01	1.22E-05	0.00E+00	1.47E-04	3.41E-01
9.00E+00	3.36E-01	3.32E-06	0.00E+00	5.42E-05	3.36E-01
1.00E+01	3.32E-01	8.96E-07	0.00E+00	2.00E-05	3.32E-01
2.00E+01	3.02E-01	0.00E+00	0.00E+00	0.00E+00	3.02E-01
3.00E+01	2.84E-01	0.00E+00	0.00E+00	0.00E+00	2.84E-01
4.00E+01	2.71E-01	0.00E+00	0.00E+00	0.00E+00	2.71E-01
5.00E+01	2.61E-01	0.00E+00	0.00E+00	0.00E+00	2.61E-01
6.00E+01	2.51E-01	0.00E+00	0.00E+00	0.00E+00	2.51E-01
7.00E+01	2.42E-01	0.00E+00	0.00E+00	0.00E+00	2.42E-01
8.00E+01	2.34E-01	0.00E+00	0.00E+00	0.00E+00	2.34E-01
9.00E+01	2.26E-01	0.00E+00	0.00E+00	0.00E+00	2.26E-01
1.00E+02	2.18E-01	0.00E+00	0.00E+00	0.00E+00	2.18E-01
2.00E+02	1.54E-01	0.00E+00	0.00E+00	0.00E+00	1.54E-01
3.00E+02	1.09E-01	0.00E+00	0.00E+00	0.00E+00	1.09E-01
4.00E+02	7.72E-02	0.00E+00	0.00E+00	0.00E+00	7.72E-02
5.00E+02	5.46E-02	0.00E+00	0.00E+00	0.00E+00	5.46E-02
6.00E+02	3.86E-02	0.00E+00	0.00E+00	0.00E+00	3.86E-02
7.00E+02	2.73E-02	0.00E+00	0.00E+00	0.00E+00	2.73E-02
8.00E+02	1.93E-02	0.00E+00	0.00E+00	0.00E+00	1.93E-02
9.00E+02	1.37E-02	0.00E+00	0.00E+00	0.00E+00	1.37E-02
1.00E+03	9.66E-03	0.00E+00	0.00E+00	0.00E+00	9.66E-03
2.00E+03	3.02E-04	0.00E+00	0.00E+00	0.00E+00	3.02E-04
3.00E+03	9.44E-06	0.00E+00	0.00E+00	0.00E+00	9.44E-06
4.00E+03	2.93E-07	0.00E+00	0.00E+00	0.00E+00	2.93E-07

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		1.07E-02		6.07E-05
2.00E-01		2.17E-02		7.40E-04
3.00E-01		3.13E-02		2.64E-03
4.00E-01		3.97E-02		5.91E-03
5.00E-01		4.71E-02		1.04E-02
6.00E-01		5.36E-02		1.60E-02
7.00E-01		5.94E-02		2.24E-02
8.00E-01		6.46E-02		2.92E-02
9.00E-01		6.92E-02		3.64E-02
1.00E+00	7.34E-02	7.34E-02	4.37E-02	4.37E-02
2.00E+00	2.59E-02	9.93E-02	6.18E-02	1.06E-01
3.00E+00	1.24E-02	1.12E-01	3.12E-02	1.37E-01
4.00E+00	7.93E-03	1.20E-01	1.28E-02	1.50E-01
5.00E+00	6.28E-03	1.26E-01	4.93E-03	1.54E-01
6.00E+00	5.52E-03	1.31E-01	1.85E-03	1.56E-01
7.00E+00	5.05E-03	1.37E-01	6.85E-04	1.57E-01
8.00E+00	4.69E-03	1.41E-01	2.53E-04	1.57E-01
9.00E+00	4.38E-03	1.46E-01	9.31E-05	1.57E-01
1.00E+01	4.09E-03	1.50E-01	3.43E-05	1.57E-01
2.00E+01	2.29E-03	1.79E-01	0.00E+00	1.57E-01
3.00E+01	1.51E-03	1.97E-01	0.00E+00	1.57E-01
4.00E+01	1.16E-03	2.10E-01	0.00E+00	1.57E-01
5.00E+01	9.97E-04	2.21E-01	0.00E+00	1.57E-01
6.00E+01	9.11E-04	2.30E-01	0.00E+00	1.57E-01
7.00E+01	8.58E-04	2.39E-01	0.00E+00	1.57E-01
8.00E+01	8.19E-04	2.48E-01	0.00E+00	1.57E-01
9.00E+01	7.88E-04	2.56E-01	0.00E+00	1.57E-01
1.00E+02	7.59E-04	2.63E-01	0.00E+00	1.57E-01
2.00E+02	5.36E-04	3.27E-01	0.00E+00	1.57E-01
3.00E+02	3.79E-04	3.73E-01	0.00E+00	1.57E-01
4.00E+02	2.68E-04	4.05E-01	0.00E+00	1.57E-01
5.00E+02	1.90E-04	4.27E-01	0.00E+00	1.57E-01
6.00E+02	1.34E-04	4.43E-01	0.00E+00	1.57E-01
7.00E+02	9.48E-05	4.54E-01	0.00E+00	1.57E-01
8.00E+02	6.70E-05	4.62E-01	0.00E+00	1.57E-01
9.00E+02	4.74E-05	4.68E-01	0.00E+00	1.57E-01
1.00E+03	3.35E-05	4.72E-01	0.00E+00	1.57E-01
2.00E+03	1.05E-06	4.81E-01	0.00E+00	1.57E-01
3.00E+03	3.36E-08	4.82E-01	0.00E+00	1.57E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	2.46E-01	2.26E-01	3.03E-04	1.56E-01	6.27E-01
2.00E-01	2.58E-01	2.01E-01	2.96E-07	1.55E-01	6.14E-01
3.00E-01	2.68E-01	1.79E-01	0.00E+00	1.54E-01	6.01E-01
4.00E-01	2.77E-01	1.60E-01	0.00E+00	1.51E-01	5.88E-01
5.00E-01	2.86E-01	1.43E-01	0.00E+00	1.46E-01	5.75E-01
6.00E-01	2.93E-01	1.27E-01	0.00E+00	1.41E-01	5.61E-01
7.00E-01	2.99E-01	1.13E-01	0.00E+00	1.35E-01	5.47E-01
8.00E-01	3.05E-01	1.01E-01	0.00E+00	1.28E-01	5.33E-01
9.00E-01	3.09E-01	8.96E-02	0.00E+00	1.21E-01	5.20E-01
1.00E+00	3.13E-01	7.97E-02	0.00E+00	1.14E-01	5.06E-01
2.00E+00	3.23E-01	2.42E-02	0.00E+00	5.19E-02	3.99E-01
3.00E+00	3.08E-01	7.13E-03	0.00E+00	2.07E-02	3.36E-01
4.00E+00	2.88E-01	2.05E-03	0.00E+00	7.86E-03	2.97E-01
5.00E+00	2.66E-01	5.81E-04	0.00E+00	2.93E-03	2.70E-01
6.00E+00	2.46E-01	1.62E-04	0.00E+00	1.09E-03	2.47E-01
7.00E+00	2.27E-01	4.47E-05	0.00E+00	4.00E-04	2.27E-01
8.00E+00	2.10E-01	1.22E-05	0.00E+00	1.47E-04	2.10E-01
9.00E+00	1.94E-01	3.32E-06	0.00E+00	5.42E-05	1.94E-01
1.00E+01	1.79E-01	8.96E-07	0.00E+00	2.00E-05	1.79E-01
2.00E+01	8.55E-02	0.00E+00	0.00E+00	0.00E+00	8.55E-02
3.00E+01	4.58E-02	0.00E+00	0.00E+00	0.00E+00	4.58E-02
4.00E+01	2.87E-02	0.00E+00	0.00E+00	0.00E+00	2.87E-02
5.00E+01	2.12E-02	0.00E+00	0.00E+00	0.00E+00	2.12E-02
6.00E+01	1.78E-02	0.00E+00	0.00E+00	0.00E+00	1.78E-02
7.00E+01	1.60E-02	0.00E+00	0.00E+00	0.00E+00	1.60E-02
8.00E+01	1.50E-02	0.00E+00	0.00E+00	0.00E+00	1.50E-02
9.00E+01	1.43E-02	0.00E+00	0.00E+00	0.00E+00	1.43E-02
1.00E+02	1.37E-02	0.00E+00	0.00E+00	0.00E+00	1.37E-02
2.00E+02	9.65E-03	0.00E+00	0.00E+00	0.00E+00	9.65E-03
3.00E+02	6.82E-03	0.00E+00	0.00E+00	0.00E+00	6.82E-03
4.00E+02	4.83E-03	0.00E+00	0.00E+00	0.00E+00	4.83E-03
5.00E+02	3.41E-03	0.00E+00	0.00E+00	0.00E+00	3.41E-03
6.00E+02	2.41E-03	0.00E+00	0.00E+00	0.00E+00	2.41E-03
7.00E+02	1.71E-03	0.00E+00	0.00E+00	0.00E+00	1.71E-03
8.00E+02	1.21E-03	0.00E+00	0.00E+00	0.00E+00	1.21E-03
9.00E+02	8.53E-04	0.00E+00	0.00E+00	0.00E+00	8.53E-04
1.00E+03	6.04E-04	0.00E+00	0.00E+00	0.00E+00	6.04E-04
2.00E+03	1.89E-05	0.00E+00	0.00E+00	0.00E+00	1.89E-05
3.00E+03	5.88E-07	0.00E+00	0.00E+00	0.00E+00	5.88E-07
4.00E+03	1.60E-08	0.00E+00	0.00E+00	0.00E+00	1.60E-08

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		1.18E-02		6.07E-05
2.00E-01		2.41E-02		7.40E-04
3.00E-01		3.51E-02		2.64E-03
4.00E-01		4.50E-02		5.91E-03
5.00E-01		5.40E-02		1.04E-02
6.00E-01		6.22E-02		1.60E-02
7.00E-01		6.97E-02		2.24E-02
8.00E-01		7.67E-02		2.92E-02
9.00E-01		8.31E-02		3.64E-02
1.00E+00	8.92E-02	8.92E-02	4.37E-02	4.37E-02
2.00E+00	4.53E-02	1.34E-01	6.18E-02	1.06E-01
3.00E+00	3.17E-02	1.66E-01	3.12E-02	1.37E-01
4.00E+00	2.60E-02	1.92E-01	1.28E-02	1.50E-01
5.00E+00	2.29E-02	2.15E-01	4.93E-03	1.54E-01
6.00E+00	2.07E-02	2.36E-01	1.85E-03	1.56E-01
7.00E+00	1.89E-02	2.55E-01	6.85E-04	1.57E-01
8.00E+00	1.73E-02	2.72E-01	2.53E-04	1.57E-01
9.00E+00	1.59E-02	2.88E-01	9.31E-05	1.57E-01
1.00E+01	1.46E-02	3.03E-01	3.43E-05	1.57E-01
2.00E+01	6.17E-03	3.96E-01	0.00E+00	1.57E-01
3.00E+01	2.63E-03	4.36E-01	0.00E+00	1.57E-01
4.00E+01	1.14E-03	4.53E-01	0.00E+00	1.57E-01
5.00E+01	5.11E-04	4.60E-01	0.00E+00	1.57E-01
6.00E+01	2.45E-04	4.64E-01	0.00E+00	1.57E-01
7.00E+01	1.33E-04	4.66E-01	0.00E+00	1.57E-01
8.00E+01	8.45E-05	4.67E-01	0.00E+00	1.57E-01
9.00E+01	6.32E-05	4.67E-01	0.00E+00	1.57E-01
1.00E+02	5.33E-05	4.68E-01	0.00E+00	1.57E-01
2.00E+02	3.35E-05	4.72E-01	0.00E+00	1.57E-01
3.00E+02	2.37E-05	4.75E-01	0.00E+00	1.57E-01
4.00E+02	1.68E-05	4.77E-01	0.00E+00	1.57E-01
5.00E+02	1.18E-05	4.78E-01	0.00E+00	1.57E-01
6.00E+02	8.38E-06	4.79E-01	0.00E+00	1.57E-01
7.00E+02	5.92E-06	4.80E-01	0.00E+00	1.57E-01
8.00E+02	4.19E-06	4.81E-01	0.00E+00	1.57E-01
9.00E+02	2.96E-06	4.81E-01	0.00E+00	1.57E-01
1.00E+03	2.10E-06	4.81E-01	0.00E+00	1.57E-01
2.00E+03	6.60E-08	4.82E-01	0.00E+00	1.57E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	2.56E-01	2.26E-01	3.03E-04	1.52E-01	6.34E-01
2.00E-01	2.79E-01	2.01E-01	2.96E-07	1.47E-01	6.27E-01
3.00E-01	2.97E-01	1.79E-01	0.00E+00	1.43E-01	6.19E-01
4.00E-01	3.10E-01	1.60E-01	0.00E+00	1.38E-01	6.09E-01
5.00E-01	3.21E-01	1.43E-01	0.00E+00	1.33E-01	5.97E-01
6.00E-01	3.29E-01	1.27E-01	0.00E+00	1.28E-01	5.84E-01
7.00E-01	3.36E-01	1.13E-01	0.00E+00	1.22E-01	5.71E-01
8.00E-01	3.40E-01	1.01E-01	0.00E+00	1.16E-01	5.57E-01
9.00E-01	3.44E-01	8.96E-02	0.00E+00	1.09E-01	5.42E-01
1.00E+00	3.45E-01	7.97E-02	0.00E+00	1.02E-01	5.27E-01
2.00E+00	3.23E-01	2.42E-02	0.00E+00	4.65E-02	3.93E-01
3.00E+00	2.71E-01	7.13E-03	0.00E+00	1.85E-02	2.97E-01
4.00E+00	2.20E-01	2.05E-03	0.00E+00	7.03E-03	2.29E-01
5.00E+00	1.76E-01	5.81E-04	0.00E+00	2.62E-03	1.79E-01
6.00E+00	1.40E-01	1.62E-04	0.00E+00	9.69E-04	1.41E-01
7.00E+00	1.11E-01	4.47E-05	0.00E+00	3.57E-04	1.11E-01
8.00E+00	8.81E-02	1.22E-05	0.00E+00	1.32E-04	8.83E-02
9.00E+00	7.00E-02	3.32E-06	0.00E+00	4.84E-05	7.00E-02
1.00E+01	5.55E-02	8.96E-07	0.00E+00	1.78E-05	5.55E-02
2.00E+01	5.51E-03	0.00E+00	0.00E+00	0.00E+00	5.51E-03
3.00E+01	5.47E-04	0.00E+00	0.00E+00	0.00E+00	5.47E-04
4.00E+01	5.43E-05	0.00E+00	0.00E+00	0.00E+00	5.43E-05
5.00E+01	5.39E-06	0.00E+00	0.00E+00	0.00E+00	5.39E-06
6.00E+01	5.35E-07	0.00E+00	0.00E+00	0.00E+00	5.35E-07
7.00E+01	5.30E-08	0.00E+00	0.00E+00	0.00E+00	5.30E-08

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		4.86E-03		6.00E-05
2.00E-01		1.11E-02		7.24E-04
3.00E-01		1.77E-02		2.55E-03
4.00E-01		2.47E-02		5.67E-03
5.00E-01		3.20E-02		9.95E-03
6.00E-01		3.96E-02		1.52E-02
7.00E-01		4.72E-02		2.11E-02
8.00E-01		5.51E-02		2.74E-02
9.00E-01		6.30E-02		3.40E-02
1.00E+00	7.09E-02	7.09E-02	4.07E-02	4.07E-02
2.00E+00	7.83E-02	1.49E-01	5.59E-02	9.66E-02
3.00E+00	6.87E-02	2.18E-01	2.80E-02	1.25E-01
4.00E+00	5.65E-02	2.74E-01	1.15E-02	1.36E-01
5.00E+00	4.55E-02	3.20E-01	4.41E-03	1.40E-01
6.00E+00	3.63E-02	3.56E-01	1.65E-03	1.42E-01
7.00E+00	2.88E-02	3.85E-01	6.12E-04	1.43E-01
8.00E+00	2.29E-02	4.08E-01	2.26E-04	1.43E-01
9.00E+00	1.82E-02	4.26E-01	8.32E-05	1.43E-01
1.00E+01	1.44E-02	4.41E-01	3.06E-05	1.43E-01
2.00E+01	1.43E-03	4.91E-01	0.00E+00	1.43E-01
3.00E+01	1.42E-04	4.95E-01	0.00E+00	1.43E-01
4.00E+01	1.41E-05	4.96E-01	0.00E+00	1.43E-01
5.00E+01	1.40E-06	4.96E-01	0.00E+00	1.43E-01
6.00E+01	1.39E-07	4.96E-01	0.00E+00	1.43E-01
7.00E+01	1.38E-08	4.96E-01	0.00E+00	1.43E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	3.91E-01	2.26E-01	3.03E-04	2.17E-02	6.39E-01
2.00E-01	4.35E-01	2.01E-01	2.96E-07	2.28E-03	6.39E-01
3.00E-01	4.58E-01	1.79E-01	0.00E+00	4.15E-04	6.38E-01
4.00E-01	4.78E-01	1.60E-01	0.00E+00	1.85E-04	6.38E-01
5.00E-01	4.95E-01	1.43E-01	0.00E+00	1.21E-04	6.37E-01
6.00E-01	5.10E-01	1.27E-01	0.00E+00	8.47E-05	6.37E-01
7.00E-01	5.23E-01	1.13E-01	0.00E+00	5.98E-05	6.37E-01
8.00E-01	5.35E-01	1.01E-01	0.00E+00	4.23E-05	6.36E-01
9.00E-01	5.46E-01	8.96E-02	0.00E+00	2.99E-05	6.36E-01
1.00E+00	5.56E-01	7.97E-02	0.00E+00	2.12E-05	6.35E-01
2.00E+00	6.06E-01	2.42E-02	0.00E+00	7.04E-07	6.30E-01
3.00E+00	6.18E-01	7.13E-03	0.00E+00	3.82E-08	6.25E-01
4.00E+00	6.18E-01	2.05E-03	0.00E+00	0.00E+00	6.20E-01
5.00E+00	6.15E-01	5.81E-04	0.00E+00	0.00E+00	6.15E-01
6.00E+00	6.10E-01	1.62E-04	0.00E+00	0.00E+00	6.10E-01
7.00E+00	6.05E-01	4.47E-05	0.00E+00	0.00E+00	6.05E-01
8.00E+00	6.00E-01	1.22E-05	0.00E+00	0.00E+00	6.00E-01
9.00E+00	5.95E-01	3.32E-06	0.00E+00	0.00E+00	5.95E-01
1.00E+01	5.90E-01	8.96E-07	0.00E+00	0.00E+00	5.90E-01
2.00E+01	5.44E-01	0.00E+00	0.00E+00	0.00E+00	5.44E-01
3.00E+01	5.02E-01	0.00E+00	0.00E+00	0.00E+00	5.02E-01
4.00E+01	4.63E-01	0.00E+00	0.00E+00	0.00E+00	4.63E-01
5.00E+01	4.27E-01	0.00E+00	0.00E+00	0.00E+00	4.27E-01
6.00E+01	3.94E-01	0.00E+00	0.00E+00	0.00E+00	3.94E-01
7.00E+01	3.64E-01	0.00E+00	0.00E+00	0.00E+00	3.64E-01
8.00E+01	3.36E-01	0.00E+00	0.00E+00	0.00E+00	3.36E-01
9.00E+01	3.11E-01	0.00E+00	0.00E+00	0.00E+00	3.11E-01
1.00E+02	2.88E-01	0.00E+00	0.00E+00	0.00E+00	2.88E-01
2.00E+02	1.39E-01	0.00E+00	0.00E+00	0.00E+00	1.39E-01
3.00E+02	7.66E-02	0.00E+00	0.00E+00	0.00E+00	7.66E-02
4.00E+02	5.01E-02	0.00E+00	0.00E+00	0.00E+00	5.01E-02
5.00E+02	3.89E-02	0.00E+00	0.00E+00	0.00E+00	3.89E-02
6.00E+02	3.40E-02	0.00E+00	0.00E+00	0.00E+00	3.40E-02
7.00E+02	3.19E-02	0.00E+00	0.00E+00	0.00E+00	3.19E-02
8.00E+02	3.08E-02	0.00E+00	0.00E+00	0.00E+00	3.08E-02
9.00E+02	3.03E-02	0.00E+00	0.00E+00	0.00E+00	3.03E-02
1.00E+03	2.99E-02	0.00E+00	0.00E+00	0.00E+00	2.99E-02
2.00E+03	2.78E-02	0.00E+00	0.00E+00	0.00E+00	2.78E-02
4.00E+03	2.42E-02	0.00E+00	0.00E+00	0.00E+00	2.42E-02
8.00E+03	1.84E-02	0.00E+00	0.00E+00	0.00E+00	1.84E-02
1.00E+04	1.60E-02	0.00E+00	0.00E+00	0.00E+00	1.60E-02
2.00E+04	7.99E-03	0.00E+00	0.00E+00	0.00E+00	7.99E-03

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		2.37E-04		4.54E-10
2.00E-01		5.81E-04		2.79E-09
3.00E-01		9.49E-04		6.98E-09
4.00E-01		1.33E-03		1.25E-08
5.00E-01		1.73E-03		1.90E-08
6.00E-01		2.15E-03		2.62E-08
7.00E-01		2.57E-03		3.36E-08
8.00E-01		3.01E-03		4.13E-08
9.00E-01		3.45E-03		4.89E-08
1.00E+00	3.91E-03	3.91E-03	5.64E-08	5.64E-08
2.00E+00	4.82E-03	8.73E-03	5.77E-08	1.14E-07
3.00E+00	5.05E-03	1.38E-02	2.72E-08	1.41E-07
4.00E+00	5.09E-03	1.89E-02	1.10E-08	1.52E-07
5.00E+00	5.07E-03	2.39E-02	0.00E+00	1.57E-07
6.00E+00	5.03E-03	2.90E-02	0.00E+00	1.58E-07
7.00E+00	4.99E-03	3.40E-02	0.00E+00	1.59E-07
8.00E+00	4.95E-03	3.89E-02	0.00E+00	1.59E-07
9.00E+00	4.90E-03	4.38E-02	0.00E+00	1.59E-07
1.00E+01	4.86E-03	4.87E-02	0.00E+00	1.59E-07
2.00E+01	4.46E-03	9.50E-02	0.00E+00	1.59E-07
3.00E+01	4.09E-03	1.38E-01	0.00E+00	1.59E-07
4.00E+01	3.75E-03	1.77E-01	0.00E+00	1.59E-07
5.00E+01	3.44E-03	2.12E-01	0.00E+00	1.59E-07
6.00E+01	3.15E-03	2.45E-01	0.00E+00	1.59E-07
7.00E+01	2.89E-03	2.75E-01	0.00E+00	1.59E-07
8.00E+01	2.65E-03	3.03E-01	0.00E+00	1.59E-07
9.00E+01	2.43E-03	3.28E-01	0.00E+00	1.59E-07
1.00E+02	2.23E-03	3.51E-01	0.00E+00	1.59E-07
2.00E+02	9.39E-04	5.00E-01	0.00E+00	1.59E-07
3.00E+02	3.96E-04	5.63E-01	0.00E+00	1.59E-07
4.00E+02	1.68E-04	5.89E-01	0.00E+00	1.59E-07
5.00E+02	7.18E-05	6.00E-01	0.00E+00	1.59E-07
6.00E+02	3.14E-05	6.05E-01	0.00E+00	1.59E-07
7.00E+02	1.44E-05	6.07E-01	0.00E+00	1.59E-07
8.00E+02	7.28E-06	6.08E-01	0.00E+00	1.59E-07
9.00E+02	4.26E-06	6.09E-01	0.00E+00	1.59E-07
1.00E+03	2.98E-06	6.09E-01	0.00E+00	1.59E-07
2.00E+03	1.93E-06	6.11E-01	0.00E+00	1.59E-07
4.00E+03	1.68E-06	6.15E-01	0.00E+00	1.59E-07
8.00E+03	1.27E-06	6.21E-01	0.00E+00	1.59E-07
1.00E+04	1.11E-06	6.23E-01	0.00E+00	1.59E-07
2.00E+04	5.54E-07	6.31E-01	0.00E+00	1.59E-07

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	3.89E-01	2.26E-01	3.03E-04	2.17E-02	6.37E-01
2.00E-01	4.31E-01	2.01E-01	2.96E-07	2.28E-03	6.34E-01
3.00E-01	4.51E-01	1.79E-01	0.00E+00	4.15E-04	6.31E-01
4.00E-01	4.68E-01	1.60E-01	0.00E+00	1.85E-04	6.28E-01
5.00E-01	4.82E-01	1.43E-01	0.00E+00	1.21E-04	6.25E-01
6.00E-01	4.94E-01	1.27E-01	0.00E+00	8.46E-05	6.21E-01
7.00E-01	5.05E-01	1.13E-01	0.00E+00	5.98E-05	6.18E-01
8.00E-01	5.13E-01	1.01E-01	0.00E+00	4.23E-05	6.14E-01
9.00E-01	5.21E-01	8.95E-02	0.00E+00	2.99E-05	6.10E-01
1.00E+00	5.27E-01	7.96E-02	0.00E+00	2.12E-05	6.07E-01
2.00E+00	5.45E-01	2.42E-02	0.00E+00	7.03E-07	5.69E-01
3.00E+00	5.24E-01	7.12E-03	0.00E+00	3.82E-08	5.32E-01
4.00E+00	4.94E-01	2.05E-03	0.00E+00	0.00E+00	4.96E-01
5.00E+00	4.62E-01	5.79E-04	0.00E+00	0.00E+00	4.63E-01
6.00E+00	4.31E-01	1.62E-04	0.00E+00	0.00E+00	4.31E-01
7.00E+00	4.02E-01	4.46E-05	0.00E+00	0.00E+00	4.02E-01
8.00E+00	3.75E-01	1.22E-05	0.00E+00	0.00E+00	3.75E-01
9.00E+00	3.50E-01	3.31E-06	0.00E+00	0.00E+00	3.50E-01
1.00E+01	3.26E-01	8.92E-07	0.00E+00	0.00E+00	3.26E-01
2.00E+01	1.62E-01	0.00E+00	0.00E+00	0.00E+00	1.62E-01
3.00E+01	8.08E-02	0.00E+00	0.00E+00	0.00E+00	8.08E-02
4.00E+01	4.02E-02	0.00E+00	0.00E+00	0.00E+00	4.02E-02
5.00E+01	2.00E-02	0.00E+00	0.00E+00	0.00E+00	2.00E-02
6.00E+01	9.95E-03	0.00E+00	0.00E+00	0.00E+00	9.95E-03
7.00E+01	4.95E-03	0.00E+00	0.00E+00	0.00E+00	4.95E-03
8.00E+01	2.46E-03	0.00E+00	0.00E+00	0.00E+00	2.46E-03
9.00E+01	1.23E-03	0.00E+00	0.00E+00	0.00E+00	1.23E-03
1.00E+02	6.10E-04	0.00E+00	0.00E+00	0.00E+00	6.10E-04
2.00E+02	5.67E-07	0.00E+00	0.00E+00	0.00E+00	5.67E-07

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		1.99E-03		0.00E+00
2.00E-01		4.86E-03		0.00E+00
3.00E-01		7.92E-03		0.00E+00
4.00E-01		1.11E-02		0.00E+00
5.00E-01		1.44E-02		0.00E+00
6.00E-01		1.78E-02		0.00E+00
7.00E-01		2.12E-02		0.00E+00
8.00E-01		2.48E-02		0.00E+00
9.00E-01		2.83E-02		0.00E+00
1.00E+00	3.20E-02	3.20E-02	0.00E+00	0.00E+00
2.00E+00	3.75E-02	6.95E-02	0.00E+00	0.00E+00
3.00E+00	3.71E-02	1.07E-01	0.00E+00	0.00E+00
4.00E+00	3.53E-02	1.42E-01	0.00E+00	0.00E+00
5.00E+00	3.31E-02	1.75E-01	0.00E+00	0.00E+00
6.00E+00	3.09E-02	2.06E-01	0.00E+00	0.00E+00
7.00E+00	2.89E-02	2.34E-01	0.00E+00	0.00E+00
8.00E+00	2.69E-02	2.61E-01	0.00E+00	0.00E+00
9.00E+00	2.51E-02	2.86E-01	0.00E+00	0.00E+00
1.00E+01	2.34E-02	3.10E-01	0.00E+00	0.00E+00
2.00E+01	1.17E-02	4.70E-01	0.00E+00	0.00E+00
3.00E+01	5.80E-03	5.49E-01	0.00E+00	0.00E+00
4.00E+01	2.88E-03	5.86E-01	0.00E+00	0.00E+00
5.00E+01	1.44E-03	6.03E-01	0.00E+00	0.00E+00
6.00E+01	7.14E-04	6.10E-01	0.00E+00	0.00E+00
7.00E+01	3.55E-04	6.12E-01	0.00E+00	0.00E+00
8.00E+01	1.77E-04	6.11E-01	0.00E+00	0.00E+00
9.00E+01	8.80E-05	6.10E-01	0.00E+00	0.00E+00
1.00E+02	4.38E-05	6.07E-01	0.00E+00	0.00E+00
2.00E+02	4.07E-08	5.78E-01	0.00E+00	0.00E+00

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	3.89E-01	2.26E-01	3.03E-04	2.17E-02	6.37E-01
2.00E-01	4.31E-01	2.01E-01	2.96E-07	2.28E-03	6.34E-01
3.00E-01	4.51E-01	1.79E-01	0.00E+00	4.15E-04	6.31E-01
4.00E-01	4.68E-01	1.60E-01	0.00E+00	1.85E-04	6.28E-01
5.00E-01	4.82E-01	1.43E-01	0.00E+00	1.21E-04	6.25E-01
6.00E-01	4.94E-01	1.27E-01	0.00E+00	8.47E-05	6.21E-01
7.00E-01	5.05E-01	1.13E-01	0.00E+00	5.98E-05	6.18E-01
8.00E-01	5.14E-01	1.01E-01	0.00E+00	4.23E-05	6.14E-01
9.00E-01	5.21E-01	8.96E-02	0.00E+00	2.99E-05	6.11E-01
1.00E+00	5.27E-01	7.97E-02	0.00E+00	2.12E-05	6.07E-01
2.00E+00	5.45E-01	2.42E-02	0.00E+00	7.04E-07	5.70E-01
3.00E+00	5.25E-01	7.13E-03	0.00E+00	3.82E-08	5.32E-01
4.00E+00	4.95E-01	2.05E-03	0.00E+00	0.00E+00	4.97E-01
5.00E+00	4.63E-01	5.81E-04	0.00E+00	0.00E+00	4.64E-01
6.00E+00	4.33E-01	1.62E-04	0.00E+00	0.00E+00	4.33E-01
7.00E+00	4.04E-01	4.47E-05	0.00E+00	0.00E+00	4.04E-01
8.00E+00	3.77E-01	1.22E-05	0.00E+00	0.00E+00	3.77E-01
9.00E+00	3.52E-01	3.32E-06	0.00E+00	0.00E+00	3.52E-01
1.00E+01	3.28E-01	8.96E-07	0.00E+00	0.00E+00	3.28E-01
2.00E+01	1.64E-01	0.00E+00	0.00E+00	0.00E+00	1.64E-01
3.00E+01	8.20E-02	0.00E+00	0.00E+00	0.00E+00	8.20E-02
4.00E+01	4.10E-02	0.00E+00	0.00E+00	0.00E+00	4.10E-02
5.00E+01	2.05E-02	0.00E+00	0.00E+00	0.00E+00	2.05E-02
6.00E+01	1.03E-02	0.00E+00	0.00E+00	0.00E+00	1.03E-02
7.00E+01	5.13E-03	0.00E+00	0.00E+00	0.00E+00	5.13E-03
8.00E+01	2.57E-03	0.00E+00	0.00E+00	0.00E+00	2.57E-03
9.00E+01	1.28E-03	0.00E+00	0.00E+00	0.00E+00	1.28E-03
1.00E+02	6.41E-04	0.00E+00	0.00E+00	0.00E+00	6.41E-04
2.00E+02	6.27E-07	0.00E+00	0.00E+00	0.00E+00	6.27E-07

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		1.99E-03		0.00E+00
2.00E-01		4.86E-03		0.00E+00
3.00E-01		7.92E-03		0.00E+00
4.00E-01		1.11E-02		0.00E+00
5.00E-01		1.44E-02		0.00E+00
6.00E-01		1.78E-02		0.00E+00
7.00E-01		2.12E-02		0.00E+00
8.00E-01		2.48E-02		0.00E+00
9.00E-01		2.84E-02		0.00E+00
1.00E+00	3.20E-02	3.20E-02	0.00E+00	0.00E+00
2.00E+00	3.75E-02	6.95E-02	0.00E+00	0.00E+00
3.00E+00	3.72E-02	1.07E-01	0.00E+00	0.00E+00
4.00E+00	3.54E-02	1.42E-01	0.00E+00	0.00E+00
5.00E+00	3.32E-02	1.75E-01	0.00E+00	0.00E+00
6.00E+00	3.10E-02	2.06E-01	0.00E+00	0.00E+00
7.00E+00	2.90E-02	2.35E-01	0.00E+00	0.00E+00
8.00E+00	2.70E-02	2.62E-01	0.00E+00	0.00E+00
9.00E+00	2.52E-02	2.88E-01	0.00E+00	0.00E+00
1.00E+01	2.35E-02	3.11E-01	0.00E+00	0.00E+00
2.00E+01	1.18E-02	4.75E-01	0.00E+00	0.00E+00
3.00E+01	5.89E-03	5.57E-01	0.00E+00	0.00E+00
4.00E+01	2.94E-03	5.98E-01	0.00E+00	0.00E+00
5.00E+01	1.47E-03	6.19E-01	0.00E+00	0.00E+00
6.00E+01	7.36E-04	6.29E-01	0.00E+00	0.00E+00
7.00E+01	3.68E-04	6.34E-01	0.00E+00	0.00E+00
8.00E+01	1.84E-04	6.37E-01	0.00E+00	0.00E+00
9.00E+01	9.21E-05	6.38E-01	0.00E+00	0.00E+00
1.00E+02	4.60E-05	6.38E-01	0.00E+00	0.00E+00
2.00E+02	4.50E-08	6.39E-01	0.00E+00	0.00E+00

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	2.65E-01	2.26E-01	3.03E-04	1.47E-01	6.38E-01
2.00E-01	2.99E-01	2.01E-01	2.96E-07	1.36E-01	6.36E-01
3.00E-01	3.25E-01	1.79E-01	0.00E+00	1.29E-01	6.33E-01
4.00E-01	3.45E-01	1.60E-01	0.00E+00	1.24E-01	6.29E-01
5.00E-01	3.63E-01	1.43E-01	0.00E+00	1.19E-01	6.24E-01
6.00E-01	3.77E-01	1.27E-01	0.00E+00	1.13E-01	6.17E-01
7.00E-01	3.90E-01	1.13E-01	0.00E+00	1.08E-01	6.11E-01
8.00E-01	4.01E-01	1.01E-01	0.00E+00	1.02E-01	6.03E-01
9.00E-01	4.10E-01	8.96E-02	0.00E+00	9.60E-02	5.96E-01
1.00E+00	4.18E-01	7.97E-02	0.00E+00	9.00E-02	5.88E-01
2.00E+00	4.56E-01	2.42E-02	0.00E+00	4.06E-02	5.21E-01
3.00E+00	4.55E-01	7.13E-03	0.00E+00	1.61E-02	4.78E-01
4.00E+00	4.43E-01	2.05E-03	0.00E+00	6.13E-03	4.51E-01
5.00E+00	4.28E-01	5.80E-04	0.00E+00	2.28E-03	4.31E-01
6.00E+00	4.13E-01	1.62E-04	0.00E+00	8.45E-04	4.14E-01
7.00E+00	3.98E-01	4.47E-05	0.00E+00	3.11E-04	3.98E-01
8.00E+00	3.84E-01	1.22E-05	0.00E+00	1.15E-04	3.84E-01
9.00E+00	3.71E-01	3.32E-06	0.00E+00	4.22E-05	3.71E-01
1.00E+01	3.58E-01	8.96E-07	0.00E+00	1.55E-05	3.58E-01
2.00E+01	2.65E-01	0.00E+00	0.00E+00	0.00E+00	2.65E-01
3.00E+01	2.12E-01	0.00E+00	0.00E+00	0.00E+00	2.12E-01
4.00E+01	1.80E-01	0.00E+00	0.00E+00	0.00E+00	1.80E-01
5.00E+01	1.61E-01	0.00E+00	0.00E+00	0.00E+00	1.61E-01
6.00E+01	1.49E-01	0.00E+00	0.00E+00	0.00E+00	1.49E-01
7.00E+01	1.41E-01	0.00E+00	0.00E+00	0.00E+00	1.41E-01
8.00E+01	1.35E-01	0.00E+00	0.00E+00	0.00E+00	1.35E-01
9.00E+01	1.31E-01	0.00E+00	0.00E+00	0.00E+00	1.31E-01
1.00E+02	1.27E-01	0.00E+00	0.00E+00	0.00E+00	1.27E-01
2.00E+02	1.04E-01	0.00E+00	0.00E+00	0.00E+00	1.04E-01
3.00E+02	8.82E-02	0.00E+00	0.00E+00	0.00E+00	8.82E-02
4.00E+02	7.76E-02	0.00E+00	0.00E+00	0.00E+00	7.76E-02
5.00E+02	7.01E-02	0.00E+00	0.00E+00	0.00E+00	7.01E-02
6.00E+02	6.48E-02	0.00E+00	0.00E+00	0.00E+00	6.48E-02
7.00E+02	6.09E-02	0.00E+00	0.00E+00	0.00E+00	6.09E-02
8.00E+02	5.80E-02	0.00E+00	0.00E+00	0.00E+00	5.80E-02
9.00E+02	5.59E-02	0.00E+00	0.00E+00	0.00E+00	5.59E-02
1.00E+03	5.41E-02	0.00E+00	0.00E+00	0.00E+00	5.41E-02
2.00E+03	4.48E-02	0.00E+00	0.00E+00	0.00E+00	4.48E-02
4.00E+03	3.28E-02	0.00E+00	0.00E+00	0.00E+00	3.28E-02
8.00E+03	1.77E-02	0.00E+00	0.00E+00	0.00E+00	1.77E-02
1.00E+04	1.30E-02	0.00E+00	0.00E+00	0.00E+00	1.30E-02
2.00E+04	2.77E-03	0.00E+00	0.00E+00	0.00E+00	2.77E-03

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		8.68E-04		5.91E-05
2.00E-01		2.01E-03		7.03E-04
3.00E-01		3.28E-03		2.45E-03
4.00E-01		4.63E-03		5.38E-03
5.00E-01		6.06E-03		9.35E-03
6.00E-01		7.55E-03		1.41E-02
7.00E-01		9.10E-03		1.95E-02
8.00E-01		1.07E-02		2.52E-02
9.00E-01		1.23E-02		3.11E-02
1.00E+00	1.40E-02	1.40E-02	3.71E-02	3.71E-02
2.00E+00	1.76E-02	3.16E-02	4.94E-02	8.65E-02
3.00E+00	1.79E-02	4.95E-02	2.45E-02	1.11E-01
4.00E+00	1.73E-02	6.68E-02	1.00E-02	1.21E-01
5.00E+00	1.65E-02	8.32E-02	3.84E-03	1.25E-01
6.00E+00	1.56E-02	9.88E-02	1.44E-03	1.26E-01
7.00E+00	1.47E-02	1.14E-01	5.33E-04	1.27E-01
8.00E+00	1.39E-02	1.28E-01	1.97E-04	1.27E-01
9.00E+00	1.32E-02	1.41E-01	7.25E-05	1.27E-01
1.00E+01	1.25E-02	1.53E-01	2.67E-05	1.27E-01
2.00E+01	7.13E-03	2.46E-01	0.00E+00	1.27E-01
3.00E+01	4.14E-03	2.99E-01	0.00E+00	1.27E-01
4.00E+01	2.46E-03	3.30E-01	0.00E+00	1.27E-01
5.00E+01	1.51E-03	3.49E-01	0.00E+00	1.27E-01
6.00E+01	9.73E-04	3.60E-01	0.00E+00	1.27E-01
7.00E+01	6.67E-04	3.68E-01	0.00E+00	1.26E-01
8.00E+01	4.91E-04	3.73E-01	0.00E+00	1.26E-01
9.00E+01	3.88E-04	3.77E-01	0.00E+00	1.26E-01
1.00E+02	3.25E-04	3.80E-01	0.00E+00	1.26E-01
2.00E+02	1.76E-04	4.00E-01	0.00E+00	1.25E-01
3.00E+02	1.20E-04	4.11E-01	0.00E+00	1.24E-01
4.00E+02	8.23E-05	4.17E-01	0.00E+00	1.23E-01
5.00E+02	5.67E-05	4.21E-01	0.00E+00	1.22E-01
6.00E+02	3.95E-05	4.22E-01	0.00E+00	1.21E-01
7.00E+02	2.78E-05	4.21E-01	0.00E+00	1.20E-01
8.00E+02	2.00E-05	4.20E-01	0.00E+00	1.19E-01
9.00E+02	1.46E-05	4.18E-01	0.00E+00	1.18E-01
1.00E+03	1.10E-05	4.16E-01	0.00E+00	1.17E-01
2.00E+03	3.24E-06	3.87E-01	0.00E+00	1.07E-01
4.00E+03	2.28E-06	3.31E-01	0.00E+00	9.05E-02
8.00E+03	1.23E-06	2.41E-01	0.00E+00	6.44E-02
1.00E+04	9.01E-07	2.05E-01	0.00E+00	5.43E-02
2.00E+04	1.92E-07	9.05E-02	0.00E+00	2.32E-02

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	2.33E-01	2.26E-01	3.03E-04	1.54E-01	6.13E-01
2.00E-01	2.31E-01	2.01E-01	2.96E-07	1.52E-01	5.84E-01
3.00E-01	2.27E-01	1.79E-01	0.00E+00	1.49E-01	5.55E-01
4.00E-01	2.23E-01	1.60E-01	0.00E+00	1.45E-01	5.28E-01
5.00E-01	2.18E-01	1.43E-01	0.00E+00	1.41E-01	5.01E-01
6.00E-01	2.13E-01	1.27E-01	0.00E+00	1.35E-01	4.75E-01
7.00E-01	2.07E-01	1.13E-01	0.00E+00	1.29E-01	4.49E-01
8.00E-01	2.02E-01	1.01E-01	0.00E+00	1.22E-01	4.25E-01
9.00E-01	1.97E-01	8.96E-02	0.00E+00	1.16E-01	4.02E-01
1.00E+00	1.91E-01	7.97E-02	0.00E+00	1.09E-01	3.79E-01
2.00E+00	1.43E-01	2.42E-02	0.00E+00	4.95E-02	2.17E-01
3.00E+00	1.11E-01	7.13E-03	0.00E+00	1.97E-02	1.38E-01
4.00E+00	8.97E-02	2.05E-03	0.00E+00	7.49E-03	9.92E-02
5.00E+00	7.53E-02	5.81E-04	0.00E+00	2.79E-03	7.87E-02
6.00E+00	6.45E-02	1.62E-04	0.00E+00	1.03E-03	6.57E-02
7.00E+00	5.57E-02	4.47E-05	0.00E+00	3.81E-04	5.62E-02
8.00E+00	4.84E-02	1.22E-05	0.00E+00	1.40E-04	4.85E-02
9.00E+00	4.21E-02	3.32E-06	0.00E+00	5.16E-05	4.21E-02
1.00E+01	3.66E-02	8.96E-07	0.00E+00	1.90E-05	3.66E-02
2.00E+01	9.15E-03	0.00E+00	0.00E+00	0.00E+00	9.15E-03
3.00E+01	2.29E-03	0.00E+00	0.00E+00	0.00E+00	2.29E-03
4.00E+01	5.72E-04	0.00E+00	0.00E+00	0.00E+00	5.72E-04
5.00E+01	1.43E-04	0.00E+00	0.00E+00	0.00E+00	1.43E-04
6.00E+01	3.58E-05	0.00E+00	0.00E+00	0.00E+00	3.58E-05
7.00E+01	8.95E-06	0.00E+00	0.00E+00	0.00E+00	8.95E-06
8.00E+01	2.24E-06	0.00E+00	0.00E+00	0.00E+00	2.24E-06
9.00E+01	5.59E-07	0.00E+00	0.00E+00	0.00E+00	5.59E-07
1.00E+02	1.40E-07	0.00E+00	0.00E+00	0.00E+00	1.40E-07

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		2.63E-02		6.04E-05
2.00E-01		5.48E-02		7.33E-04
3.00E-01		8.11E-02		2.60E-03
4.00E-01		1.05E-01		5.81E-03
5.00E-01		1.28E-01		1.02E-02
6.00E-01		1.49E-01		1.56E-02
7.00E-01		1.68E-01		2.18E-02
8.00E-01		1.86E-01		2.84E-02
9.00E-01		2.02E-01		3.54E-02
1.00E+00	2.17E-01	2.17E-01	4.24E-02	4.24E-02
2.00E+00	1.03E-01	3.21E-01	5.92E-02	1.02E-01
3.00E+00	4.98E-02	3.70E-01	2.98E-02	1.31E-01
4.00E+00	2.61E-02	3.96E-01	1.22E-02	1.44E-01
5.00E+00	1.59E-02	4.12E-01	4.70E-03	1.48E-01
6.00E+00	1.12E-02	4.23E-01	1.76E-03	1.50E-01
7.00E+00	8.85E-03	4.32E-01	6.52E-04	1.51E-01
8.00E+00	7.38E-03	4.40E-01	2.41E-04	1.51E-01
9.00E+00	6.32E-03	4.46E-01	8.87E-05	1.51E-01
1.00E+01	5.46E-03	4.51E-01	3.26E-05	1.51E-01
2.00E+01	1.36E-03	4.79E-01	0.00E+00	1.51E-01
3.00E+01	3.40E-04	4.86E-01	0.00E+00	1.51E-01
4.00E+01	8.51E-05	4.88E-01	0.00E+00	1.51E-01
5.00E+01	2.13E-05	4.88E-01	0.00E+00	1.51E-01
6.00E+01	5.32E-06	4.88E-01	0.00E+00	1.51E-01
7.00E+01	1.33E-06	4.88E-01	0.00E+00	1.51E-01
8.00E+01	3.33E-07	4.88E-01	0.00E+00	1.51E-01
9.00E+01	8.31E-08	4.88E-01	0.00E+00	1.51E-01
1.00E+02	2.07E-08	4.88E-01	0.00E+00	1.51E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	2.61E-01	2.26E-01	3.03E-04	1.52E-01	6.38E-01
2.00E-01	2.89E-01	2.01E-01	2.95E-07	1.47E-01	6.37E-01
3.00E-01	3.13E-01	1.79E-01	0.00E+00	1.42E-01	6.35E-01
4.00E-01	3.33E-01	1.60E-01	0.00E+00	1.38E-01	6.31E-01
5.00E-01	3.50E-01	1.42E-01	0.00E+00	1.33E-01	6.26E-01
6.00E-01	3.65E-01	1.27E-01	0.00E+00	1.28E-01	6.20E-01
7.00E-01	3.79E-01	1.13E-01	0.00E+00	1.22E-01	6.13E-01
8.00E-01	3.90E-01	1.00E-01	0.00E+00	1.15E-01	6.06E-01
9.00E-01	4.01E-01	8.92E-02	0.00E+00	1.09E-01	5.98E-01
1.00E+00	4.10E-01	7.93E-02	0.00E+00	1.02E-01	5.91E-01
2.00E+00	4.56E-01	2.40E-02	0.00E+00	4.60E-02	5.26E-01
3.00E+00	4.65E-01	7.02E-03	0.00E+00	1.82E-02	4.90E-01
4.00E+00	4.61E-01	2.01E-03	0.00E+00	6.89E-03	4.70E-01
5.00E+00	4.54E-01	5.66E-04	0.00E+00	2.55E-03	4.57E-01
6.00E+00	4.45E-01	1.57E-04	0.00E+00	9.40E-04	4.47E-01
7.00E+00	4.37E-01	4.32E-05	0.00E+00	3.45E-04	4.38E-01
8.00E+00	4.29E-01	1.18E-05	0.00E+00	1.26E-04	4.29E-01
9.00E+00	4.21E-01	3.18E-06	0.00E+00	4.63E-05	4.21E-01
1.00E+01	4.13E-01	8.53E-07	0.00E+00	1.70E-05	4.13E-01
2.00E+01	3.42E-01	0.00E+00	0.00E+00	0.00E+00	3.42E-01
3.00E+01	2.83E-01	0.00E+00	0.00E+00	0.00E+00	2.83E-01
4.00E+01	2.34E-01	0.00E+00	0.00E+00	0.00E+00	2.34E-01
5.00E+01	1.94E-01	0.00E+00	0.00E+00	0.00E+00	1.94E-01
6.00E+01	1.61E-01	0.00E+00	0.00E+00	0.00E+00	1.61E-01
7.00E+01	1.33E-01	0.00E+00	0.00E+00	0.00E+00	1.33E-01
8.00E+01	1.10E-01	0.00E+00	0.00E+00	0.00E+00	1.10E-01
9.00E+01	9.10E-02	0.00E+00	0.00E+00	0.00E+00	9.10E-02
1.00E+02	7.53E-02	0.00E+00	0.00E+00	0.00E+00	7.53E-02
2.00E+02	1.14E-02	0.00E+00	0.00E+00	0.00E+00	1.14E-02
3.00E+02	1.72E-03	0.00E+00	0.00E+00	0.00E+00	1.72E-03
4.00E+02	2.59E-04	0.00E+00	0.00E+00	0.00E+00	2.59E-04
5.00E+02	3.91E-05	0.00E+00	0.00E+00	0.00E+00	3.91E-05
6.00E+02	5.90E-06	0.00E+00	0.00E+00	0.00E+00	5.90E-06
7.00E+02	8.91E-07	0.00E+00	0.00E+00	0.00E+00	8.91E-07
8.00E+02	1.34E-07	0.00E+00	0.00E+00	0.00E+00	1.34E-07
9.00E+02	2.03E-08	0.00E+00	0.00E+00	0.00E+00	2.03E-08

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	24-HOUR URINE	ACCUMULATED URINE	24-HOUR FECES	ACCUMULATE FECES
1.00E-01		2.95E-05		3.26E-04
2.00E-01		6.78E-05		1.33E-03
3.00E-01		1.10E-04		3.54E-03
4.00E-01		1.55E-04		7.05E-03
5.00E-01		2.02E-04		1.17E-02
6.00E-01		2.52E-04		1.74E-02
7.00E-01		3.03E-04		2.37E-02
8.00E-01		3.56E-04		3.05E-02
9.00E-01		4.11E-04		3.76E-02
1.00E+00	4.67E-04	4.67E-04	4.47E-02	4.47E-02
2.00E+00	6.08E-04	1.07E-03	6.08E-02	1.05E-01
3.00E+00	6.41E-04	1.71E-03	3.33E-02	1.38E-01
4.00E+00	6.42E-04	2.34E-03	1.70E-02	1.54E-01
5.00E+00	6.34E-04	2.96E-03	1.00E-02	1.64E-01
6.00E+00	6.23E-04	3.57E-03	7.21E-03	1.70E-01
7.00E+00	6.12E-04	4.17E-03	6.10E-03	1.75E-01
8.00E+00	6.01E-04	4.75E-03	5.62E-03	1.80E-01
9.00E+00	5.89E-04	5.31E-03	5.38E-03	1.85E-01
1.00E+01	5.78E-04	5.86E-03	5.23E-03	1.89E-01
2.00E+01	4.79E-04	1.07E-02	4.31E-03	2.26E-01
3.00E+01	3.96E-04	1.44E-02	3.57E-03	2.53E-01
4.00E+01	3.28E-04	1.72E-02	2.95E-03	2.72E-01
5.00E+01	2.71E-04	1.92E-02	2.44E-03	2.84E-01
6.00E+01	2.25E-04	2.07E-02	2.02E-03	2.92E-01
7.00E+01	1.86E-04	2.16E-02	1.67E-03	2.96E-01
8.00E+01	1.54E-04	2.22E-02	1.39E-03	2.96E-01
9.00E+01	1.27E-04	2.25E-02	1.15E-03	2.94E-01
1.00E+02	1.05E-04	2.25E-02	9.49E-04	2.89E-01
2.00E+02	1.59E-05	1.71E-02	1.43E-04	2.06E-01
3.00E+02	2.40E-06	1.09E-02	2.16E-05	1.30E-01
4.00E+02	3.63E-07	6.66E-03	3.26E-06	7.93E-02
5.00E+02	5.47E-08	4.05E-03	4.93E-07	4.81E-02

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	3.89E-01	2.26E-01	3.03E-04	2.17E-02	6.37E-01
2.00E-01	4.31E-01	2.01E-01	2.96E-07	2.28E-03	6.34E-01
3.00E-01	4.51E-01	1.79E-01	0.00E+00	4.15E-04	6.31E-01
4.00E-01	4.68E-01	1.60E-01	0.00E+00	1.85E-04	6.28E-01
5.00E-01	4.82E-01	1.43E-01	0.00E+00	1.21E-04	6.25E-01
6.00E-01	4.94E-01	1.27E-01	0.00E+00	8.47E-05	6.21E-01
7.00E-01	5.05E-01	1.13E-01	0.00E+00	5.98E-05	6.18E-01
8.00E-01	5.14E-01	1.01E-01	0.00E+00	4.23E-05	6.14E-01
9.00E-01	5.21E-01	8.96E-02	0.00E+00	2.99E-05	6.11E-01
1.00E+00	5.27E-01	7.97E-02	0.00E+00	2.12E-05	6.07E-01
2.00E+00	5.45E-01	2.42E-02	0.00E+00	7.04E-07	5.70E-01
3.00E+00	5.25E-01	7.13E-03	0.00E+00	3.82E-08	5.32E-01
4.00E+00	4.95E-01	2.05E-03	0.00E+00	0.00E+00	4.97E-01
5.00E+00	4.63E-01	5.81E-04	0.00E+00	0.00E+00	4.64E-01
6.00E+00	4.33E-01	1.62E-04	0.00E+00	0.00E+00	4.33E-01
7.00E+00	4.04E-01	4.47E-05	0.00E+00	0.00E+00	4.04E-01
8.00E+00	3.77E-01	1.22E-05	0.00E+00	0.00E+00	3.77E-01
9.00E+00	3.52E-01	3.32E-06	0.00E+00	0.00E+00	3.52E-01
1.00E+01	3.28E-01	8.96E-07	0.00E+00	0.00E+00	3.28E-01
2.00E+01	1.64E-01	0.00E+00	0.00E+00	0.00E+00	1.64E-01
3.00E+01	8.20E-02	0.00E+00	0.00E+00	0.00E+00	8.20E-02
4.00E+01	4.10E-02	0.00E+00	0.00E+00	0.00E+00	4.10E-02
5.00E+01	2.05E-02	0.00E+00	0.00E+00	0.00E+00	2.05E-02
6.00E+01	1.03E-02	0.00E+00	0.00E+00	0.00E+00	1.03E-02
7.00E+01	5.13E-03	0.00E+00	0.00E+00	0.00E+00	5.13E-03
8.00E+01	2.57E-03	0.00E+00	0.00E+00	0.00E+00	2.57E-03
9.00E+01	1.28E-03	0.00E+00	0.00E+00	0.00E+00	1.28E-03
1.00E+02	6.41E-04	0.00E+00	0.00E+00	0.00E+00	6.41E-04
2.00E+02	6.27E-07	0.00E+00	0.00E+00	0.00E+00	6.27E-07

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		1.99E-03		0.00E+00
2.00E-01		4.86E-03		0.00E+00
3.00E-01		7.92E-03		0.00E+00
4.00E-01		1.11E-02		0.00E+00
5.00E-01		1.44E-02		0.00E+00
6.00E-01		1.78E-02		0.00E+00
7.00E-01		2.12E-02		0.00E+00
8.00E-01		2.48E-02		0.00E+00
9.00E-01		2.84E-02		0.00E+00
1.00E+00	3.20E-02	3.20E-02	0.00E+00	0.00E+00
2.00E+00	3.75E-02	6.95E-02	0.00E+00	0.00E+00
3.00E+00	3.72E-02	1.07E-01	0.00E+00	0.00E+00
4.00E+00	3.54E-02	1.42E-01	0.00E+00	0.00E+00
5.00E+00	3.32E-02	1.75E-01	0.00E+00	0.00E+00
6.00E+00	3.10E-02	2.06E-01	0.00E+00	0.00E+00
7.00E+00	2.90E-02	2.35E-01	0.00E+00	0.00E+00
8.00E+00	2.70E-02	2.62E-01	0.00E+00	0.00E+00
9.00E+00	2.52E-02	2.88E-01	0.00E+00	0.00E+00
1.00E+01	2.35E-02	3.11E-01	0.00E+00	0.00E+00
2.00E+01	1.18E-02	4.75E-01	0.00E+00	0.00E+00
3.00E+01	5.89E-03	5.57E-01	0.00E+00	0.00E+00
4.00E+01	2.94E-03	5.98E-01	0.00E+00	0.00E+00
5.00E+01	1.47E-03	6.19E-01	0.00E+00	0.00E+00
6.00E+01	7.36E-04	6.29E-01	0.00E+00	0.00E+00
7.00E+01	3.68E-04	6.34E-01	0.00E+00	0.00E+00
8.00E+01	1.84E-04	6.37E-01	0.00E+00	0.00E+00
9.00E+01	9.21E-05	6.38E-01	0.00E+00	0.00E+00
1.00E+02	4.60E-05	6.38E-01	0.00E+00	0.00E+00
2.00E+02	4.50E-08	6.39E-01	0.00E+00	0.00E+00

CLASS D AMAD = 1 MICRON HALFLIFE= 1.51E-02 DAYS FRANCIUM 223

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	4.02E-03	2.32E-03	3.11E-06	2.23E-04	6.57E-03
2.00E-01	4.60E-05	2.12E-05	0.00E+00	2.41E-07	6.74E-05
3.00E-01	4.98E-07	1.95E-07	0.00E+00	0.00E+00	6.92E-07

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	2.52E-01	2.26E-01	3.03E-04	1.56E-01	6.34E-01
2.00E-01	2.70E-01	2.01E-01	2.96E-07	1.56E-01	6.28E-01
3.00E-01	2.87E-01	1.79E-01	0.00E+00	1.55E-01	6.22E-01
4.00E-01	3.02E-01	1.60E-01	0.00E+00	1.52E-01	6.14E-01
5.00E-01	3.16E-01	1.43E-01	0.00E+00	1.48E-01	6.06E-01
6.00E-01	3.29E-01	1.27E-01	0.00E+00	1.42E-01	5.98E-01
7.00E-01	3.40E-01	1.13E-01	0.00E+00	1.36E-01	5.89E-01
8.00E-01	3.50E-01	1.01E-01	0.00E+00	1.29E-01	5.80E-01
9.00E-01	3.59E-01	8.96E-02	0.00E+00	1.22E-01	5.70E-01
1.00E+00	3.67E-01	7.97E-02	0.00E+00	1.15E-01	5.61E-01
2.00E+00	4.12E-01	2.42E-02	0.00E+00	5.24E-02	4.89E-01
3.00E+00	4.26E-01	7.13E-03	0.00E+00	2.09E-02	4.54E-01
4.00E+00	4.31E-01	2.05E-03	0.00E+00	7.95E-03	4.41E-01
5.00E+00	4.32E-01	5.80E-04	0.00E+00	2.96E-03	4.35E-01
6.00E+00	4.32E-01	1.62E-04	0.00E+00	1.10E-03	4.33E-01
7.00E+00	4.32E-01	4.47E-05	0.00E+00	4.04E-04	4.32E-01
8.00E+00	4.32E-01	1.22E-05	0.00E+00	1.49E-04	4.32E-01
9.00E+00	4.32E-01	3.32E-06	0.00E+00	5.48E-05	4.32E-01
1.00E+01	4.32E-01	8.96E-07	0.00E+00	2.02E-05	4.32E-01
2.00E+01	4.31E-01	0.00E+00	0.00E+00	0.00E+00	4.31E-01
3.00E+01	4.31E-01	0.00E+00	0.00E+00	0.00E+00	4.31E-01
4.00E+01	4.30E-01	0.00E+00	0.00E+00	0.00E+00	4.30E-01
5.00E+01	4.30E-01	0.00E+00	0.00E+00	0.00E+00	4.30E-01
6.00E+01	4.29E-01	0.00E+00	0.00E+00	0.00E+00	4.29E-01
7.00E+01	4.29E-01	0.00E+00	0.00E+00	0.00E+00	4.29E-01
8.00E+01	4.28E-01	0.00E+00	0.00E+00	0.00E+00	4.28E-01
9.00E+01	4.28E-01	0.00E+00	0.00E+00	0.00E+00	4.28E-01
1.00E+02	4.27E-01	0.00E+00	0.00E+00	0.00E+00	4.27E-01
2.00E+02	4.22E-01	0.00E+00	0.00E+00	0.00E+00	4.22E-01
3.00E+02	4.17E-01	0.00E+00	0.00E+00	0.00E+00	4.17E-01
4.00E+02	4.12E-01	0.00E+00	0.00E+00	0.00E+00	4.12E-01
5.00E+02	4.07E-01	0.00E+00	0.00E+00	0.00E+00	4.07E-01
6.00E+02	4.02E-01	0.00E+00	0.00E+00	0.00E+00	4.02E-01
7.00E+02	3.98E-01	0.00E+00	0.00E+00	0.00E+00	3.98E-01
8.00E+02	3.93E-01	0.00E+00	0.00E+00	0.00E+00	3.93E-01
9.00E+02	3.88E-01	0.00E+00	0.00E+00	0.00E+00	3.88E-01
1.00E+03	3.83E-01	0.00E+00	0.00E+00	0.00E+00	3.83E-01
2.00E+03	3.40E-01	0.00E+00	0.00E+00	0.00E+00	3.40E-01
4.00E+03	2.68E-01	0.00E+00	0.00E+00	0.00E+00	2.68E-01
8.00E+03	1.66E-01	0.00E+00	0.00E+00	0.00E+00	1.66E-01
1.00E+04	1.31E-01	0.00E+00	0.00E+00	0.00E+00	1.31E-01
2.00E+04	4.05E-02	0.00E+00	0.00E+00	0.00E+00	4.05E-02

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		5.18E-03		6.07E-05
2.00E-01		1.04E-02		7.42E-04
3.00E-01		1.50E-02		2.64E-03
4.00E-01		1.89E-02		5.93E-03
5.00E-01		2.23E-02		1.05E-02
6.00E-01		2.52E-02		1.61E-02
7.00E-01		2.78E-02		2.25E-02
8.00E-01		3.01E-02		2.94E-02
9.00E-01		3.21E-02		3.66E-02
1.00E+00	3.39E-02	3.39E-02	4.40E-02	4.40E-02
2.00E+00	9.72E-03	4.36E-02	6.24E-02	1.06E-01
3.00E+00	2.99E-03	4.66E-02	3.15E-02	1.38E-01
4.00E+00	9.12E-04	4.75E-02	1.30E-02	1.51E-01
5.00E+00	2.79E-04	4.78E-02	4.98E-03	1.56E-01
6.00E+00	9.05E-05	4.79E-02	1.87E-03	1.58E-01
7.00E+00	3.59E-05	4.79E-02	6.92E-04	1.58E-01
8.00E+00	2.04E-05	4.79E-02	2.55E-04	1.59E-01
9.00E+00	1.60E-05	4.79E-02	9.41E-05	1.59E-01
1.00E+01	1.48E-05	4.80E-02	3.46E-05	1.59E-01
2.00E+01	1.43E-05	4.81E-02	0.00E+00	1.59E-01
3.00E+01	1.43E-05	4.82E-02	0.00E+00	1.58E-01
4.00E+01	1.43E-05	4.83E-02	0.00E+00	1.58E-01
5.00E+01	1.43E-05	4.84E-02	0.00E+00	1.58E-01
6.00E+01	1.43E-05	4.85E-02	0.00E+00	1.58E-01
7.00E+01	1.42E-05	4.86E-02	0.00E+00	1.58E-01
8.00E+01	1.42E-05	4.87E-02	0.00E+00	1.58E-01
9.00E+01	1.42E-05	4.88E-02	0.00E+00	1.58E-01
1.00E+02	1.42E-05	4.89E-02	0.00E+00	1.57E-01
2.00E+02	1.40E-05	4.98E-02	0.00E+00	1.56E-01
3.00E+02	1.38E-05	5.08E-02	0.00E+00	1.55E-01
4.00E+02	1.37E-05	5.17E-02	0.00E+00	1.53E-01
5.00E+02	1.35E-05	5.26E-02	0.00E+00	1.52E-01
7.00E+02	1.31E-05	5.44E-02	0.00E+00	1.49E-01
8.00E+02	1.30E-05	5.52E-02	0.00E+00	1.48E-01
9.00E+02	1.28E-05	5.60E-02	0.00E+00	1.47E-01
1.00E+03	1.27E-05	5.68E-02	0.00E+00	1.46E-01
2.00E+03	1.12E-05	6.34E-02	0.00E+00	1.33E-01
3.00E+03	9.83E-06	6.81E-02	0.00E+00	1.22E-01
4.00E+03	8.67E-06	7.13E-02	0.00E+00	1.12E-01
5.00E+03	7.65E-06	7.31E-02	0.00E+00	1.03E-01
7.00E+03	5.95E-06	7.38E-02	0.00E+00	8.63E-02
8.00E+03	5.25E-06	7.30E-02	0.00E+00	7.91E-02
9.00E+03	4.63E-06	7.16E-02	0.00E+00	7.25E-02
1.00E+04	4.09E-06	6.98E-02	0.00E+00	6.64E-02
2.00E+04	1.19E-06	4.35E-02	0.00E+00	2.78E-02

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	2.35E-01	2.26E-01	3.03E-04	1.54E-01	6.15E-01
2.00E-01	2.35E-01	2.01E-01	2.96E-07	1.52E-01	5.88E-01
3.00E-01	2.35E-01	1.79E-01	0.00E+00	1.49E-01	5.63E-01
4.00E-01	2.33E-01	1.60E-01	0.00E+00	1.45E-01	5.38E-01
5.00E-01	2.31E-01	1.43E-01	0.00E+00	1.41E-01	5.15E-01
6.00E-01	2.30E-01	1.27E-01	0.00E+00	1.35E-01	4.92E-01
7.00E-01	2.28E-01	1.13E-01	0.00E+00	1.29E-01	4.70E-01
8.00E-01	2.26E-01	1.01E-01	0.00E+00	1.22E-01	4.49E-01
9.00E-01	2.24E-01	8.96E-02	0.00E+00	1.16E-01	4.29E-01
1.00E+00	2.22E-01	7.97E-02	0.00E+00	1.09E-01	4.10E-01
2.00E+00	2.05E-01	2.42E-02	0.00E+00	4.95E-02	2.78E-01
3.00E+00	1.90E-01	7.13E-03	0.00E+00	1.97E-02	2.16E-01
4.00E+00	1.76E-01	2.05E-03	0.00E+00	7.49E-03	1.86E-01
5.00E+00	1.65E-01	5.81E-04	0.00E+00	2.79E-03	1.68E-01
6.00E+00	1.54E-01	1.62E-04	0.00E+00	1.03E-03	1.55E-01
7.00E+00	1.45E-01	4.47E-05	0.00E+00	3.81E-04	1.45E-01
8.00E+00	1.36E-01	1.22E-05	0.00E+00	1.40E-04	1.36E-01
9.00E+00	1.28E-01	3.32E-06	0.00E+00	5.16E-05	1.28E-01
1.00E+01	1.21E-01	8.96E-07	0.00E+00	1.90E-05	1.21E-01
2.00E+01	7.36E-02	0.00E+00	0.00E+00	0.00E+00	7.36E-02
3.00E+01	5.06E-02	0.00E+00	0.00E+00	0.00E+00	5.06E-02
4.00E+01	3.77E-02	0.00E+00	0.00E+00	0.00E+00	3.77E-02
5.00E+01	2.96E-02	0.00E+00	0.00E+00	0.00E+00	2.96E-02
6.00E+01	2.42E-02	0.00E+00	0.00E+00	0.00E+00	2.42E-02
7.00E+01	2.04E-02	0.00E+00	0.00E+00	0.00E+00	2.04E-02
8.00E+01	1.78E-02	0.00E+00	0.00E+00	0.00E+00	1.78E-02
9.00E+01	1.60E-02	0.00E+00	0.00E+00	0.00E+00	1.60E-02
1.00E+02	1.47E-02	0.00E+00	0.00E+00	0.00E+00	1.47E-02
2.00E+02	1.15E-02	0.00E+00	0.00E+00	0.00E+00	1.15E-02
3.00E+02	1.12E-02	0.00E+00	0.00E+00	0.00E+00	1.12E-02
4.00E+02	1.10E-02	0.00E+00	0.00E+00	0.00E+00	1.10E-02
5.00E+02	1.09E-02	0.00E+00	0.00E+00	0.00E+00	1.09E-02
6.00E+02	1.07E-02	0.00E+00	0.00E+00	0.00E+00	1.07E-02
7.00E+02	1.06E-02	0.00E+00	0.00E+00	0.00E+00	1.06E-02
8.00E+02	1.04E-02	0.00E+00	0.00E+00	0.00E+00	1.04E-02
9.00E+02	1.02E-02	0.00E+00	0.00E+00	0.00E+00	1.02E-02
1.00E+03	1.01E-02	0.00E+00	0.00E+00	0.00E+00	1.01E-02
2.00E+03	8.71E-03	0.00E+00	0.00E+00	0.00E+00	8.71E-03
4.00E+03	6.53E-03	0.00E+00	0.00E+00	0.00E+00	6.53E-03
8.00E+03	3.72E-03	0.00E+00	0.00E+00	0.00E+00	3.72E-03
1.00E+04	2.81E-03	0.00E+00	0.00E+00	0.00E+00	2.81E-03
2.00E+04	7.02E-04	0.00E+00	0.00E+00	0.00E+00	7.02E-04

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	24-HOUR URINE	ACCUMULATED URINE	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		2.41E-02		6.04E-05
2.00E-01		5.00E-02		7.33E-04
3.00E-01		7.36E-02		2.60E-03
4.00E-01		9.50E-02		5.81E-03
5.00E-01		1.14E-01		1.02E-02
6.00E-01		1.32E-01		1.56E-02
7.00E-01		1.48E-01		2.18E-02
8.00E-01		1.62E-01		2.84E-02
9.00E-01		1.75E-01		3.54E-02
1.00E+00	1.87E-01	1.87E-01	4.24E-02	4.24E-02
2.00E+00	7.27E-02	2.59E-01	5.92E-02	1.02E-01
3.00E+00	3.21E-02	2.91E-01	2.98E-02	1.31E-01
4.00E+00	1.82E-02	3.10E-01	1.22E-02	1.44E-01
5.00E+00	1.31E-02	3.23E-01	4.70E-03	1.48E-01
6.00E+00	1.09E-02	3.34E-01	1.76E-03	1.50E-01
7.00E+00	9.64E-03	3.43E-01	6.52E-04	1.51E-01
8.00E+00	8.71E-03	3.52E-01	2.41E-04	1.51E-01
9.00E+00	7.94E-03	3.60E-01	8.87E-05	1.51E-01
1.00E+01	7.26E-03	3.67E-01	3.26E-05	1.51E-01
2.00E+01	3.26E-03	4.14E-01	0.00E+00	1.51E-01
3.00E+01	1.71E-03	4.37E-01	0.00E+00	1.51E-01
4.00E+01	1.03E-03	4.50E-01	0.00E+00	1.51E-01
5.00E+01	6.67E-04	4.59E-01	0.00E+00	1.51E-01
6.00E+01	4.54E-04	4.64E-01	0.00E+00	1.51E-01
7.00E+01	3.16E-04	4.68E-01	0.00E+00	1.51E-01
8.00E+01	2.22E-04	4.70E-01	0.00E+00	1.51E-01
9.00E+01	1.57E-04	4.72E-01	0.00E+00	1.51E-01
1.00E+02	1.11E-04	4.73E-01	0.00E+00	1.51E-01
2.00E+02	5.15E-06	4.77E-01	0.00E+00	1.51E-01
3.00E+02	1.80E-06	4.77E-01	0.00E+00	1.51E-01
4.00E+02	1.67E-06	4.77E-01	0.00E+00	1.51E-01
5.00E+02	1.64E-06	4.77E-01	0.00E+00	1.51E-01
6.00E+02	1.61E-06	4.77E-01	0.00E+00	1.51E-01
7.00E+02	1.58E-06	4.78E-01	0.00E+00	1.51E-01
8.00E+02	1.56E-06	4.78E-01	0.00E+00	1.51E-01
9.00E+02	1.53E-06	4.78E-01	0.00E+00	1.51E-01
1.00E+03	1.50E-06	4.78E-01	0.00E+00	1.51E-01
2.00E+03	1.27E-06	4.79E-01	0.00E+00	1.51E-01
4.00E+03	9.35E-07	4.82E-01	0.00E+00	1.51E-01
8.00E+03	5.27E-07	4.84E-01	0.00E+00	1.51E-01
1.00E+04	4.01E-07	4.85E-01	0.00E+00	1.51E-01
2.00E+04	1.17E-07	4.87E-01	0.00E+00	1.51E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	2.35E-01	2.26E-01	3.03E-04	1.54E-01	6.15E-01
2.00E-01	2.35E-01	2.01E-01	2.96E-07	1.52E-01	5.88E-01
3.00E-01	2.35E-01	1.79E-01	0.00E+00	1.49E-01	5.63E-01
4.00E-01	2.33E-01	1.60E-01	0.00E+00	1.45E-01	5.38E-01
5.00E-01	2.31E-01	1.43E-01	0.00E+00	1.41E-01	5.15E-01
6.00E-01	2.30E-01	1.27E-01	0.00E+00	1.35E-01	4.92E-01
7.00E-01	2.28E-01	1.13E-01	0.00E+00	1.29E-01	4.70E-01
8.00E-01	2.26E-01	1.01E-01	0.00E+00	1.22E-01	4.49E-01
9.00E-01	2.24E-01	8.96E-02	0.00E+00	1.16E-01	4.29E-01
1.00E+00	2.22E-01	7.97E-02	0.00E+00	1.09E-01	4.10E-01
2.00E+00	2.05E-01	2.42E-02	0.00E+00	4.95E-02	2.78E-01
3.00E+00	1.90E-01	7.13E-03	0.00E+00	1.97E-02	2.16E-01
4.00E+00	1.76E-01	2.05E-03	0.00E+00	7.49E-03	1.86E-01
5.00E+00	1.65E-01	5.81E-04	0.00E+00	2.79E-03	1.68E-01
6.00E+00	1.54E-01	1.62E-04	0.00E+00	1.03E-03	1.55E-01
7.00E+00	1.45E-01	4.47E-05	0.00E+00	3.81E-04	1.45E-01
8.00E+00	1.36E-01	1.22E-05	0.00E+00	1.40E-04	1.36E-01
9.00E+00	1.28E-01	3.32E-06	0.00E+00	5.16E-05	1.28E-01
1.00E+01	1.21E-01	8.96E-07	0.00E+00	1.90E-05	1.21E-01
2.00E+01	7.36E-02	0.00E+00	0.00E+00	0.00E+00	7.36E-02
3.00E+01	5.06E-02	0.00E+00	0.00E+00	0.00E+00	5.06E-02
4.00E+01	3.77E-02	0.00E+00	0.00E+00	0.00E+00	3.77E-02
5.00E+01	2.96E-02	0.00E+00	0.00E+00	0.00E+00	2.96E-02
6.00E+01	2.42E-02	0.00E+00	0.00E+00	0.00E+00	2.42E-02
7.00E+01	2.04E-02	0.00E+00	0.00E+00	0.00E+00	2.04E-02
8.00E+01	1.78E-02	0.00E+00	0.00E+00	0.00E+00	1.78E-02
9.00E+01	1.60E-02	0.00E+00	0.00E+00	0.00E+00	1.60E-02
1.00E+02	1.47E-02	0.00E+00	0.00E+00	0.00E+00	1.47E-02
2.00E+02	1.15E-02	0.00E+00	0.00E+00	0.00E+00	1.15E-02
3.00E+02	1.12E-02	0.00E+00	0.00E+00	0.00E+00	1.12E-02
4.00E+02	1.10E-02	0.00E+00	0.00E+00	0.00E+00	1.10E-02
5.00E+02	1.09E-02	0.00E+00	0.00E+00	0.00E+00	1.09E-02
6.00E+02	1.07E-02	0.00E+00	0.00E+00	0.00E+00	1.07E-02
7.00E+02	1.06E-02	0.00E+00	0.00E+00	0.00E+00	1.06E-02
8.00E+02	1.04E-02	0.00E+00	0.00E+00	0.00E+00	1.04E-02
9.00E+02	1.02E-02	0.00E+00	0.00E+00	0.00E+00	1.02E-02
1.00E+03	1.01E-02	0.00E+00	0.00E+00	0.00E+00	1.01E-02
2.00E+03	8.71E-03	0.00E+00	0.00E+00	0.00E+00	8.71E-03
4.00E+03	6.53E-03	0.00E+00	0.00E+00	0.00E+00	6.53E-03
8.00E+03	3.72E-03	0.00E+00	0.00E+00	0.00E+00	3.72E-03
1.00E+04	2.81E-03	0.00E+00	0.00E+00	0.00E+00	2.81E-03
2.00E+04	7.02E-04	0.00E+00	0.00E+00	0.00E+00	7.02E-04

CLASS D

AMAD = 1 MICRON

HALFLIFE= 2.57E+11 DAYS

URANIUM 235

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		2.41E-02		6.04E-05
2.00E-01		5.00E-02		7.33E-04
3.00E-01		7.36E-02		2.60E-03
4.00E-01		9.50E-02		5.81E-03
5.00E-01		1.14E-01		1.02E-02
6.00E-01		1.32E-01		1.56E-02
7.00E-01		1.48E-01		2.18E-02
8.00E-01		1.62E-01		2.84E-02
9.00E-01		1.75E-01		3.54E-02
1.00E+00	1.87E-01	1.87E-01	4.24E-02	4.24E-02
2.00E+00	7.27E-02	2.59E-01	5.92E-02	1.02E-01
3.00E+00	3.21E-02	2.91E-01	2.98E-02	1.31E-01
4.00E+00	1.82E-02	3.10E-01	1.22E-02	1.44E-01
5.00E+00	1.31E-02	3.23E-01	4.70E-03	1.48E-01
6.00E+00	1.09E-02	3.34E-01	1.76E-03	1.50E-01
7.00E+00	9.64E-03	3.43E-01	6.52E-04	1.51E-01
8.00E+00	8.71E-03	3.52E-01	2.41E-04	1.51E-01
9.00E+00	7.94E-03	3.60E-01	8.87E-05	1.51E-01
1.00E+01	7.26E-03	3.67E-01	3.26E-05	1.51E-01
2.00E+01	3.26E-03	4.14E-01	0.00E+00	1.51E-01
3.00E+01	1.71E-03	4.37E-01	0.00E+00	1.51E-01
4.00E+01	1.03E-03	4.50E-01	0.00E+00	1.51E-01
5.00E+01	6.67E-04	4.59E-01	0.00E+00	1.51E-01
6.00E+01	4.54E-04	4.64E-01	0.00E+00	1.51E-01
7.00E+01	3.16E-04	4.68E-01	0.00E+00	1.51E-01
8.00E+01	2.22E-04	4.70E-01	0.00E+00	1.51E-01
9.00E+01	1.57E-04	4.72E-01	0.00E+00	1.51E-01
1.00E+02	1.11E-04	4.73E-01	0.00E+00	1.51E-01
2.00E+02	5.15E-06	4.77E-01	0.00E+00	1.51E-01
3.00E+02	1.80E-06	4.77E-01	0.00E+00	1.51E-01
4.00E+02	1.67E-06	4.77E-01	0.00E+00	1.51E-01
5.00E+02	1.64E-06	4.77E-01	0.00E+00	1.51E-01
6.00E+02	1.61E-06	4.77E-01	0.00E+00	1.51E-01
7.00E+02	1.58E-06	4.78E-01	0.00E+00	1.51E-01
8.00E+02	1.56E-06	4.78E-01	0.00E+00	1.51E-01
9.00E+02	1.53E-06	4.78E-01	0.00E+00	1.51E-01
1.00E+03	1.50E-06	4.78E-01	0.00E+00	1.51E-01
2.00E+03	1.27E-06	4.79E-01	0.00E+00	1.51E-01
4.00E+03	9.35E-07	4.82E-01	0.00E+00	1.51E-01
8.00E+03	5.27E-07	4.84E-01	0.00E+00	1.51E-01
1.00E+04	4.01E-07	4.85E-01	0.00E+00	1.51E-01
2.00E+04	1.17E-07	4.87E-01	0.00E+00	1.51E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	2.35E-01	2.26E-01	3.03E-04	1.54E-01	6.15E-01
2.00E-01	2.35E-01	2.01E-01	2.96E-07	1.52E-01	5.88E-01
3.00E-01	2.35E-01	1.79E-01	0.00E+00	1.49E-01	5.63E-01
4.00E-01	2.33E-01	1.60E-01	0.00E+00	1.45E-01	5.38E-01
5.00E-01	2.31E-01	1.43E-01	0.00E+00	1.41E-01	5.15E-01
6.00E-01	2.30E-01	1.27E-01	0.00E+00	1.35E-01	4.92E-01
7.00E-01	2.28E-01	1.13E-01	0.00E+00	1.29E-01	4.70E-01
8.00E-01	2.26E-01	1.01E-01	0.00E+00	1.22E-01	4.49E-01
9.00E-01	2.24E-01	8.96E-02	0.00E+00	1.16E-01	4.29E-01
1.00E+00	2.22E-01	7.97E-02	0.00E+00	1.09E-01	4.10E-01
2.00E+00	2.05E-01	2.42E-02	0.00E+00	4.95E-02	2.78E-01
3.00E+00	1.90E-01	7.13E-03	0.00E+00	1.97E-02	2.16E-01
4.00E+00	1.76E-01	2.05E-03	0.00E+00	7.49E-03	1.86E-01
5.00E+00	1.65E-01	5.81E-04	0.00E+00	2.79E-03	1.68E-01
6.00E+00	1.54E-01	1.62E-04	0.00E+00	1.03E-03	1.55E-01
7.00E+00	1.45E-01	4.47E-05	0.00E+00	3.81E-04	1.45E-01
8.00E+00	1.36E-01	1.22E-05	0.00E+00	1.40E-04	1.36E-01
9.00E+00	1.28E-01	3.32E-06	0.00E+00	5.16E-05	1.28E-01
1.00E+01	1.21E-01	8.96E-07	0.00E+00	1.90E-05	1.21E-01
2.00E+01	7.36E-02	0.00E+00	0.00E+00	0.00E+00	7.36E-02
3.00E+01	5.06E-02	0.00E+00	0.00E+00	0.00E+00	5.06E-02
4.00E+01	3.77E-02	0.00E+00	0.00E+00	0.00E+00	3.77E-02
5.00E+01	2.96E-02	0.00E+00	0.00E+00	0.00E+00	2.96E-02
6.00E+01	2.42E-02	0.00E+00	0.00E+00	0.00E+00	2.42E-02
7.00E+01	2.04E-02	0.00E+00	0.00E+00	0.00E+00	2.04E-02
8.00E+01	1.78E-02	0.00E+00	0.00E+00	0.00E+00	1.78E-02
9.00E+01	1.60E-02	0.00E+00	0.00E+00	0.00E+00	1.60E-02
1.00E+02	1.47E-02	0.00E+00	0.00E+00	0.00E+00	1.47E-02
2.00E+02	1.15E-02	0.00E+00	0.00E+00	0.00E+00	1.15E-02
3.00E+02	1.12E-02	0.00E+00	0.00E+00	0.00E+00	1.12E-02
4.00E+02	1.10E-02	0.00E+00	0.00E+00	0.00E+00	1.10E-02
5.00E+02	1.09E-02	0.00E+00	0.00E+00	0.00E+00	1.09E-02
6.00E+02	1.07E-02	0.00E+00	0.00E+00	0.00E+00	1.07E-02
7.00E+02	1.06E-02	0.00E+00	0.00E+00	0.00E+00	1.06E-02
8.00E+02	1.04E-02	0.00E+00	0.00E+00	0.00E+00	1.04E-02
9.00E+02	1.02E-02	0.00E+00	0.00E+00	0.00E+00	1.02E-02
1.00E+03	1.01E-02	0.00E+00	0.00E+00	0.00E+00	1.01E-02
2.00E+03	8.71E-03	0.00E+00	0.00E+00	0.00E+00	8.71E-03
4.00E+03	6.53E-03	0.00E+00	0.00E+00	0.00E+00	6.53E-03
6.00E+03	4.92E-03	0.00E+00	0.00E+00	0.00E+00	6.53E-03
8.00E+03	3.72E-03	0.00E+00	0.00E+00	0.00E+00	3.72E-03
1.00E+04	2.81E-03	0.00E+00	0.00E+00	0.00E+00	2.81E-03
2.00E+04	7.02E-04	0.00E+00	0.00E+00	0.00E+00	7.02E-04

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	24-HOUR URINE	ACCUMULATED URINE	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		2.41E-02		6.04E-05
2.00E-01		5.00E-02		7.33E-04
3.00E-01		7.36E-02		2.60E-03
4.00E-01		9.50E-02		5.81E-03
5.00E-01		1.14E-01		1.02E-02
6.00E-01		1.32E-01		1.56E-02
7.00E-01		1.48E-01		2.18E-02
8.00E-01		1.62E-01		2.84E-02
9.00E-01		1.75E-01		3.54E-02
1.00E+00	1.87E-01	1.87E-01	4.24E-02	4.24E-02
2.00E+00	7.27E-02	2.59E-01	5.92E-02	1.02E-01
3.00E+00	3.21E-02	2.91E-01	2.98E-02	1.31E-01
4.00E+00	1.82E-02	3.10E-01	1.22E-02	1.44E-01
5.00E+00	1.31E-02	3.23E-01	4.70E-03	1.48E-01
6.00E+00	1.09E-02	3.34E-01	1.76E-03	1.50E-01
7.00E+00	9.64E-03	3.43E-01	6.52E-04	1.51E-01
8.00E+00	8.71E-03	3.52E-01	2.41E-04	1.51E-01
9.00E+00	7.94E-03	3.60E-01	8.87E-05	1.51E-01
1.00E+01	7.26E-03	3.67E-01	3.26E-05	1.51E-01
2.00E+01	3.26E-03	4.14E-01	0.00E+00	1.51E-01
3.00E+01	1.71E-03	4.37E-01	0.00E+00	1.51E-01
4.00E+01	1.03E-03	4.50E-01	0.00E+00	1.51E-01
5.00E+01	6.67E-04	4.59E-01	0.00E+00	1.51E-01
6.00E+01	4.54E-04	4.64E-01	0.00E+00	1.51E-01
7.00E+01	3.16E-04	4.68E-01	0.00E+00	1.51E-01
8.00E+01	2.22E-04	4.70E-01	0.00E+00	1.51E-01
9.00E+01	1.57E-04	4.72E-01	0.00E+00	1.51E-01
1.00E+02	1.11E-04	4.73E-01	0.00E+00	1.51E-01
2.00E+02	5.15E-06	4.77E-01	0.00E+00	1.51E-01
3.00E+02	1.80E-06	4.77E-01	0.00E+00	1.51E-01
4.00E+02	1.67E-06	4.77E-01	0.00E+00	1.51E-01
5.00E+02	1.64E-06	4.77E-01	0.00E+00	1.51E-01
6.00E+02	1.61E-06	4.77E-01	0.00E+00	1.51E-01
7.00E+02	1.58E-06	4.78E-01	0.00E+00	1.51E-01
8.00E+02	1.56E-06	4.78E-01	0.00E+00	1.51E-01
9.00E+02	1.53E-06	4.78E-01	0.00E+00	1.51E-01
1.00E+03	1.50E-06	4.78E-01	0.00E+00	1.51E-01
2.00E+03	1.27E-06	4.79E-01	0.00E+00	1.51E-01
4.00E+03	9.35E-07	4.82E-01	0.00E+00	1.51E-01
8.00E+03	5.27E-07	4.84E-01	0.00E+00	1.51E-01
1.00E+04	4.01E-07	4.85E-01	0.00E+00	1.51E-01
2.00E+04	1.17E-07	4.87E-01	0.00E+00	1.51E-01



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3. TABLES FOR RETENTION AND EXCRETION FRACTIONS FOR SINGLE INHALATION
OF CLASS M AEROSOLS

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TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	6.50E-02	2.76E-01	2.35E-01	5.71E-02	6.33E-01
2.00E-01	5.97E-02	2.65E-01	1.97E-01	1.05E-01	6.27E-01
3.00E-01	5.58E-02	2.56E-01	1.66E-01	1.45E-01	6.23E-01
4.00E-01	5.28E-02	2.47E-01	1.39E-01	1.78E-01	6.18E-01
5.00E-01	5.05E-02	2.40E-01	1.17E-01	2.05E-01	6.12E-01
6.00E-01	4.89E-02	2.33E-01	9.86E-02	2.26E-01	6.06E-01
7.00E-01	4.76E-02	2.27E-01	8.29E-02	2.42E-01	5.99E-01
8.00E-01	4.66E-02	2.21E-01	6.97E-02	2.53E-01	5.90E-01
9.00E-01	4.59E-02	2.16E-01	5.86E-02	2.60E-01	5.80E-01
1.00E+00	4.53E-02	2.11E-01	4.93E-02	2.64E-01	5.70E-01
2.00E+00	4.35E-02	1.77E-01	8.72E-03	2.02E-01	4.32E-01
3.00E+00	4.33E-02	1.60E-01	1.54E-03	1.13E-01	3.17E-01
4.00E+00	4.31E-02	1.50E-01	2.72E-04	5.69E-02	2.51E-01
5.00E+00	4.29E-02	1.45E-01	4.82E-05	2.83E-02	2.16E-01
6.00E+00	4.28E-02	1.41E-01	8.51E-06	1.46E-02	1.98E-01
7.00E+00	4.27E-02	1.38E-01	1.51E-06	8.09E-03	1.89E-01
8.00E+00	4.25E-02	1.36E-01	2.66E-07	5.01E-03	1.83E-01
9.00E+00	4.24E-02	1.34E-01	4.70E-08	3.53E-03	1.80E-01
1.00E+01	4.23E-02	1.32E-01	0.00E+00	2.80E-03	1.77E-01
2.00E+01	4.18E-02	1.16E-01	0.00E+00	1.86E-03	1.60E-01
3.00E+01	4.18E-02	1.02E-01	0.00E+00	1.62E-03	1.46E-01
4.00E+01	4.23E-02	9.01E-02	0.00E+00	1.41E-03	1.34E-01
5.00E+01	4.29E-02	7.93E-02	0.00E+00	1.23E-03	1.23E-01
6.00E+01	4.36E-02	6.98E-02	0.00E+00	1.07E-03	1.14E-01
7.00E+01	4.42E-02	6.14E-02	0.00E+00	9.31E-04	1.07E-01
8.00E+01	4.49E-02	5.40E-02	0.00E+00	8.11E-04	9.97E-02
9.00E+01	4.55E-02	4.75E-02	0.00E+00	7.06E-04	9.37E-02
1.00E+02	4.60E-02	4.18E-02	0.00E+00	6.15E-04	8.84E-02
2.00E+02	4.83E-02	1.15E-02	0.00E+00	1.54E-04	5.99E-02
3.00E+02	4.75E-02	3.15E-03	0.00E+00	3.84E-05	5.07E-02
4.00E+02	4.58E-02	8.55E-04	0.00E+00	9.60E-06	4.66E-02
5.00E+02	4.38E-02	2.31E-04	0.00E+00	2.40E-06	4.40E-02
6.00E+02	4.19E-02	6.19E-05	0.00E+00	6.00E-07	4.19E-02
7.00E+02	4.00E-02	1.65E-05	0.00E+00	1.50E-07	4.00E-02
8.00E+02	3.82E-02	4.40E-06	0.00E+00	3.75E-08	3.82E-02
9.00E+02	3.65E-02	1.16E-06	0.00E+00	0.00E+00	3.65E-02
1.00E+03	3.48E-02	3.08E-07	0.00E+00	0.00E+00	3.48E-02
2.00E+03	2.19E-02	0.00E+00	0.00E+00	0.00E+00	2.19E-02
4.00E+03	8.71E-03	0.00E+00	0.00E+00	0.00E+00	8.71E-03
5.00E+03	5.49E-03	0.00E+00	0.00E+00	0.00E+00	5.49E-03
7.00E+03	2.18E-03	0.00E+00	0.00E+00	0.00E+00	2.18E-03
8.00E+03	1.37E-03	0.00E+00	0.00E+00	0.00E+00	1.37E-03
1.00E+04	5.45E-04	0.00E+00	0.00E+00	0.00E+00	5.45E-04
2.00E+04	5.36E-06	0.00E+00	0.00E+00	0.00E+00	5.36E-06

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		6.03E-03		8.10E-06
2.00E-01		1.15E-02		1.64E-04
3.00E-01		1.57E-02		8.28E-04
4.00E-01		1.89E-02		2.42E-03
5.00E-01		2.14E-02		5.27E-03
6.00E-01		2.33E-02		9.59E-03
7.00E-01		2.48E-02		1.55E-02
8.00E-01		2.60E-02		2.29E-02
9.00E-01		2.69E-02		3.18E-02
1.00E+00	2.76E-02	2.76E-02	4.20E-02	4.20E-02
2.00E+00	2.77E-03	3.04E-02	1.35E-01	1.77E-01
3.00E+00	9.19E-04	3.13E-02	1.14E-01	2.90E-01
4.00E+00	7.32E-04	3.20E-02	6.61E-02	3.57E-01
5.00E+00	6.87E-04	3.27E-02	3.40E-02	3.91E-01
6.00E+00	6.60E-04	3.33E-02	1.70E-02	4.08E-01
7.00E+00	6.39E-04	3.40E-02	8.73E-03	4.16E-01
8.00E+00	6.20E-04	3.46E-02	4.81E-03	4.21E-01
9.00E+00	6.03E-04	3.52E-02	2.95E-03	4.24E-01
1.00E+01	5.86E-04	3.58E-02	2.06E-03	4.26E-01
2.00E+01	4.57E-04	4.09E-02	1.08E-03	4.38E-01
3.00E+01	3.68E-04	4.50E-02	9.40E-04	4.48E-01
4.00E+01	3.05E-04	4.83E-02	8.18E-04	4.57E-01
5.00E+01	2.59E-04	5.11E-02	7.12E-04	4.65E-01
6.00E+01	2.24E-04	5.34E-02	6.20E-04	4.71E-01
7.00E+01	1.97E-04	5.55E-02	5.40E-04	4.77E-01
8.00E+01	1.75E-04	5.74E-02	4.70E-04	4.82E-01
9.00E+01	1.57E-04	5.90E-02	4.09E-04	4.86E-01
1.00E+02	1.42E-04	6.05E-02	3.56E-04	4.90E-01
2.00E+02	6.09E-05	6.99E-02	8.90E-05	5.09E-01
3.00E+02	3.39E-05	7.43E-02	2.23E-05	5.14E-01
4.00E+02	2.47E-05	7.72E-02	5.56E-06	5.15E-01
5.00E+02	2.13E-05	7.95E-02	1.39E-06	5.16E-01
6.00E+02	1.96E-05	8.15E-02	3.48E-07	5.16E-01
7.00E+02	1.86E-05	8.34E-02	8.69E-08	5.16E-01
8.00E+02	1.77E-05	8.52E-02	2.17E-08	5.16E-01
9.00E+02	1.69E-05	8.70E-02	0.00E+00	5.16E-01
1.00E+03	1.61E-05	8.86E-02	0.00E+00	5.16E-01
2.00E+03	1.01E-05	1.01E-01	0.00E+00	5.16E-01
4.00E+03	4.02E-06	1.15E-01	0.00E+00	5.16E-01
8.00E+03	6.34E-07	1.22E-01	0.00E+00	5.16E-01
1.00E+04	2.52E-07	1.23E-01	0.00E+00	5.16E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	1.07E-01	2.76E-01	2.35E-01	2.10E-02	6.39E-01
2.00E-01	1.57E-01	2.65E-01	1.97E-01	1.96E-02	6.39E-01
3.00E-01	2.01E-01	2.56E-01	1.66E-01	1.68E-02	6.39E-01
4.00E-01	2.38E-01	2.47E-01	1.39E-01	1.43E-02	6.39E-01
5.00E-01	2.70E-01	2.40E-01	1.17E-01	1.22E-02	6.39E-01
6.00E-01	2.97E-01	2.33E-01	9.86E-02	1.05E-02	6.39E-01
7.00E-01	3.21E-01	2.27E-01	8.29E-02	9.01E-03	6.39E-01
8.00E-01	3.41E-01	2.21E-01	6.97E-02	7.77E-03	6.39E-01
9.00E-01	3.58E-01	2.16E-01	5.86E-02	6.72E-03	6.39E-01
1.00E+00	3.73E-01	2.11E-01	4.93E-02	5.83E-03	6.39E-01
2.00E+00	4.51E-01	1.77E-01	8.72E-03	1.66E-03	6.39E-01
3.00E+00	4.77E-01	1.60E-01	1.54E-03	6.39E-04	6.39E-01
4.00E+00	4.88E-01	1.50E-01	2.72E-04	3.08E-04	6.39E-01
5.00E+00	4.94E-01	1.45E-01	4.82E-05	1.74E-04	6.39E-01
6.00E+00	4.98E-01	1.41E-01	8.51E-06	1.12E-04	6.39E-01
7.00E+00	5.01E-01	1.38E-01	1.51E-06	8.16E-05	6.39E-01
8.00E+00	5.03E-01	1.36E-01	2.66E-07	6.63E-05	6.39E-01
9.00E+00	5.05E-01	1.34E-01	4.70E-08	5.83E-05	6.39E-01
1.00E+01	5.07E-01	1.32E-01	0.00E+00	5.40E-05	6.39E-01
2.00E+01	5.23E-01	1.16E-01	0.00E+00	4.38E-05	6.39E-01
3.00E+01	5.37E-01	1.02E-01	0.00E+00	3.82E-05	6.39E-01
4.00E+01	5.49E-01	9.01E-02	0.00E+00	3.32E-05	6.39E-01
5.00E+01	5.60E-01	7.93E-02	0.00E+00	2.89E-05	6.39E-01
6.00E+01	5.69E-01	6.98E-02	0.00E+00	2.52E-05	6.39E-01
7.00E+01	5.78E-01	6.14E-02	0.00E+00	2.19E-05	6.39E-01
8.00E+01	5.85E-01	5.40E-02	0.00E+00	1.91E-05	6.39E-01
9.00E+01	5.92E-01	4.75E-02	0.00E+00	1.66E-05	6.39E-01
1.00E+02	5.97E-01	4.18E-02	0.00E+00	1.45E-05	6.39E-01
2.00E+02	6.28E-01	1.15E-02	0.00E+00	3.61E-06	6.39E-01
3.00E+02	6.36E-01	3.15E-03	0.00E+00	9.04E-07	6.39E-01
4.00E+02	6.38E-01	8.55E-04	0.00E+00	2.26E-07	6.39E-01
5.00E+02	6.39E-01	2.31E-04	0.00E+00	5.65E-08	6.39E-01
6.00E+02	6.39E-01	6.19E-05	0.00E+00	1.41E-08	6.39E-01
7.00E+02	6.39E-01	1.65E-05	0.00E+00	0.00E+00	6.39E-01
8.00E+02	6.39E-01	4.40E-06	0.00E+00	0.00E+00	6.39E-01
9.00E+02	6.39E-01	1.16E-06	0.00E+00	0.00E+00	6.39E-01
1.00E+03	6.39E-01	3.08E-07	0.00E+00	0.00E+00	6.39E-01
2.00E+03	6.39E-01	0.00E+00	0.00E+00	0.00E+00	6.39E-01
4.00E+03	6.39E-01	0.00E+00	0.00E+00	0.00E+00	6.39E-01
5.00E+03	6.39E-01	0.00E+00	0.00E+00	0.00E+00	6.39E-01
7.00E+03	6.39E-01	0.00E+00	0.00E+00	0.00E+00	6.39E-01
8.00E+03	6.39E-01	0.00E+00	0.00E+00	0.00E+00	6.39E-01
1.00E+04	6.39E-01	0.00E+00	0.00E+00	0.00E+00	6.39E-01
2.00E+04	6.39E-01	0.00E+00	0.00E+00	0.00E+00	6.39E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	7.42E-02	2.76E-01	2.35E-01	5.08E-02	6.36E-01
2.00E-01	8.95E-02	2.65E-01	1.97E-01	8.03E-02	6.32E-01
3.00E-01	1.08E-01	2.56E-01	1.66E-01	9.89E-02	6.28E-01
4.00E-01	1.24E-01	2.47E-01	1.39E-01	1.12E-01	6.23E-01
5.00E-01	1.39E-01	2.40E-01	1.17E-01	1.22E-01	6.17E-01
6.00E-01	1.50E-01	2.33E-01	9.86E-02	1.29E-01	6.11E-01
7.00E-01	1.60E-01	2.27E-01	8.29E-02	1.34E-01	6.04E-01
8.00E-01	1.68E-01	2.21E-01	6.97E-02	1.37E-01	5.96E-01
9.00E-01	1.75E-01	2.16E-01	5.86E-02	1.38E-01	5.88E-01
1.00E+00	1.81E-01	2.11E-01	4.93E-02	1.38E-01	5.79E-01
2.00E+00	2.09E-01	1.77E-01	8.72E-03	9.86E-02	4.93E-01
3.00E+00	2.17E-01	1.60E-01	1.54E-03	5.38E-02	4.32E-01
4.00E+00	2.20E-01	1.50E-01	2.72E-04	2.70E-02	3.97E-01
5.00E+00	2.21E-01	1.45E-01	4.82E-05	1.35E-02	3.79E-01
6.00E+00	2.21E-01	1.41E-01	8.51E-06	6.98E-03	3.69E-01
7.00E+00	2.21E-01	1.38E-01	1.51E-06	3.92E-03	3.63E-01
8.00E+00	2.20E-01	1.36E-01	2.66E-07	2.46E-03	3.58E-01
9.00E+00	2.20E-01	1.34E-01	4.70E-08	1.76E-03	3.55E-01
1.00E+01	2.19E-01	1.32E-01	0.00E+00	1.41E-03	3.52E-01
2.00E+01	2.12E-01	1.16E-01	0.00E+00	9.57E-04	3.29E-01
3.00E+01	2.05E-01	1.02E-01	0.00E+00	8.33E-04	3.08E-01
4.00E+01	1.97E-01	9.01E-02	0.00E+00	7.25E-04	2.88E-01
5.00E+01	1.90E-01	7.93E-02	0.00E+00	6.31E-04	2.69E-01
6.00E+01	1.82E-01	6.98E-02	0.00E+00	5.50E-04	2.52E-01
7.00E+01	1.74E-01	6.14E-02	0.00E+00	4.78E-04	2.36E-01
8.00E+01	1.66E-01	5.40E-02	0.00E+00	4.17E-04	2.20E-01
9.00E+01	1.58E-01	4.75E-02	0.00E+00	3.63E-04	2.06E-01
1.00E+02	1.51E-01	4.18E-02	0.00E+00	3.16E-04	1.93E-01
2.00E+02	8.66E-02	1.15E-02	0.00E+00	7.89E-05	9.82E-02
3.00E+02	4.65E-02	3.15E-03	0.00E+00	1.97E-05	4.97E-02
4.00E+02	2.42E-02	8.55E-04	0.00E+00	4.93E-06	2.51E-02
5.00E+02	1.24E-02	2.31E-04	0.00E+00	1.23E-06	1.26E-02
6.00E+02	6.25E-03	6.19E-05	0.00E+00	3.08E-07	6.31E-03
7.00E+02	3.14E-03	1.65E-05	0.00E+00	7.71E-08	3.16E-03
8.00E+02	1.58E-03	4.40E-06	0.00E+00	1.93E-08	1.58E-03
9.00E+02	7.90E-04	1.16E-06	0.00E+00	0.00E+00	7.91E-04
1.00E+03	3.96E-04	3.08E-07	0.00E+00	0.00E+00	3.96E-04
2.00E+03	3.87E-07	0.00E+00	0.00E+00	0.00E+00	3.87E-07

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		3.12E-03		7.37E-06
2.00E-01		6.61E-03		1.37E-04
3.00E-01		1.03E-02		6.46E-04
4.00E-01		1.42E-02		1.78E-03
5.00E-01		1.80E-02		3.68E-03
6.00E-01		2.18E-02		6.43E-03
7.00E-01		2.54E-02		1.00E-02
8.00E-01		2.88E-02		1.44E-02
9.00E-01		3.19E-02		1.95E-02
1.00E+00	3.47E-02	3.47E-02	2.52E-02	2.52E-02
2.00E+00	1.66E-02	5.13E-02	6.94E-02	9.46E-02
3.00E+00	6.20E-03	5.75E-02	5.52E-02	1.50E-01
4.00E+00	3.29E-03	6.08E-02	3.14E-02	1.81E-01
5.00E+00	2.40E-03	6.32E-02	1.60E-02	1.97E-01
6.00E+00	2.05E-03	6.52E-02	8.02E-03	2.05E-01
7.00E+00	1.90E-03	6.71E-02	4.14E-03	2.09E-01
8.00E+00	1.82E-03	6.89E-02	2.30E-03	2.12E-01
9.00E+00	1.78E-03	7.07E-02	1.43E-03	2.13E-01
1.00E+01	1.75E-03	7.25E-02	1.01E-03	2.14E-01
2.00E+01	1.67E-03	8.95E-02	5.42E-04	2.20E-01
3.00E+01	1.59E-03	1.06E-01	4.72E-04	2.25E-01
4.00E+01	1.52E-03	1.21E-01	4.11E-04	2.30E-01
5.00E+01	1.45E-03	1.36E-01	3.57E-04	2.34E-01
6.00E+01	1.38E-03	1.50E-01	3.11E-04	2.37E-01
7.00E+01	1.31E-03	1.64E-01	2.71E-04	2.40E-01
8.00E+01	1.25E-03	1.76E-01	2.36E-04	2.42E-01
9.00E+01	1.18E-03	1.89E-01	2.05E-04	2.44E-01
1.00E+02	1.12E-03	2.00E-01	1.79E-04	2.46E-01
2.00E+02	6.23E-04	2.85E-01	4.47E-05	2.56E-01
3.00E+02	3.30E-04	3.31E-01	1.12E-05	2.58E-01
4.00E+02	1.70E-04	3.55E-01	2.79E-06	2.59E-01
5.00E+02	8.64E-05	3.67E-01	6.98E-07	2.59E-01
6.00E+02	4.36E-05	3.74E-01	1.75E-07	2.59E-01
7.00E+02	2.19E-05	3.77E-01	4.36E-08	2.59E-01
8.00E+02	1.10E-05	3.78E-01	1.09E-08	2.59E-01
9.00E+02	5.50E-06	3.79E-01	0.00E+00	2.59E-01
1.00E+03	2.75E-06	3.80E-01	0.00E+00	2.59E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	7.10E-02	2.76E-01	2.35E-01	5.71E-02	6.39E-01
2.00E-01	7.13E-02	2.65E-01	1.97E-01	1.05E-01	6.39E-01
3.00E-01	7.17E-02	2.56E-01	1.66E-01	1.45E-01	6.38E-01
4.00E-01	7.21E-02	2.47E-01	1.39E-01	1.78E-01	6.37E-01
5.00E-01	7.24E-02	2.40E-01	1.17E-01	2.04E-01	6.34E-01
6.00E-01	7.28E-02	2.33E-01	9.86E-02	2.25E-01	6.29E-01
7.00E-01	7.31E-02	2.27E-01	8.29E-02	2.41E-01	6.23E-01
8.00E-01	7.33E-02	2.21E-01	6.97E-02	2.52E-01	6.16E-01
9.00E-01	7.35E-02	2.16E-01	5.86E-02	2.59E-01	6.07E-01
1.00E+00	7.37E-02	2.11E-01	4.93E-02	2.63E-01	5.97E-01
2.00E+00	7.47E-02	1.77E-01	8.72E-03	2.01E-01	4.62E-01
3.00E+00	7.50E-02	1.60E-01	1.54E-03	1.12E-01	3.48E-01
4.00E+00	7.51E-02	1.50E-01	2.72E-04	5.66E-02	2.82E-01
5.00E+00	7.52E-02	1.45E-01	4.82E-05	2.82E-02	2.48E-01
6.00E+00	7.52E-02	1.41E-01	8.51E-06	1.45E-02	2.31E-01
7.00E+00	7.52E-02	1.38E-01	1.51E-06	8.05E-03	2.21E-01
8.00E+00	7.51E-02	1.36E-01	2.66E-07	4.99E-03	2.16E-01
9.00E+00	7.51E-02	1.34E-01	4.70E-08	3.51E-03	2.13E-01
1.00E+01	7.51E-02	1.32E-01	0.00E+00	2.79E-03	2.10E-01
2.00E+01	7.45E-02	1.16E-01	0.00E+00	1.85E-03	1.93E-01
3.00E+01	7.36E-02	1.02E-01	0.00E+00	1.61E-03	1.77E-01
4.00E+01	7.23E-02	9.01E-02	0.00E+00	1.40E-03	1.64E-01
5.00E+01	7.08E-02	7.93E-02	0.00E+00	1.22E-03	1.51E-01
6.00E+01	6.90E-02	6.98E-02	0.00E+00	1.06E-03	1.40E-01
7.00E+01	6.71E-02	6.14E-02	0.00E+00	9.27E-04	1.29E-01
8.00E+01	6.50E-02	5.40E-02	0.00E+00	8.07E-04	1.20E-01
9.00E+01	6.29E-02	4.75E-02	0.00E+00	7.02E-04	1.11E-01
1.00E+02	6.06E-02	4.18E-02	0.00E+00	6.12E-04	1.03E-01
2.00E+02	3.82E-02	1.15E-02	0.00E+00	1.53E-04	4.99E-02
3.00E+02	2.16E-02	3.15E-03	0.00E+00	3.82E-05	2.48E-02
4.00E+02	1.16E-02	8.55E-04	0.00E+00	9.56E-06	1.24E-02
5.00E+02	6.02E-03	2.31E-04	0.00E+00	2.39E-06	6.25E-03
6.00E+02	3.07E-03	6.19E-05	0.00E+00	5.97E-07	3.14E-03
7.00E+02	1.56E-03	1.65E-05	0.00E+00	1.49E-07	1.57E-03
8.00E+02	7.83E-04	4.40E-06	0.00E+00	3.73E-08	7.87E-04
9.00E+02	3.93E-04	1.16E-06	0.00E+00	0.00E+00	3.94E-04
1.00E+03	1.97E-04	3.08E-07	0.00E+00	0.00E+00	1.97E-04
2.00E+03	1.93E-07	0.00E+00	0.00E+00	0.00E+00	1.93E-07

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		4.21E-05		8.09E-06
2.00E-01		9.15E-05		1.64E-04
3.00E-01		1.41E-04		8.27E-04
4.00E-01		1.91E-04		2.41E-03
5.00E-01		2.41E-04		5.26E-03
6.00E-01		2.91E-04		9.57E-03
7.00E-01		3.42E-04		1.54E-02
8.00E-01		3.92E-04		2.29E-02
9.00E-01		4.43E-04		3.17E-02
1.00E+00	4.94E-04	4.94E-04	4.19E-02	4.19E-02
2.00E+00	5.15E-04	1.01E-03	1.34E-01	1.76E-01
3.00E+00	5.19E-04	1.53E-03	1.13E-01	2.89E-01
4.00E+00	5.20E-04	2.05E-03	6.57E-02	3.55E-01
5.00E+00	5.21E-04	2.57E-03	3.38E-02	3.89E-01
6.00E+00	5.21E-04	3.09E-03	1.69E-02	4.06E-01
7.00E+00	5.21E-04	3.61E-03	8.68E-03	4.14E-01
8.00E+00	5.21E-04	4.13E-03	4.78E-03	4.19E-01
9.00E+00	5.21E-04	4.65E-03	2.93E-03	4.22E-01
1.00E+01	5.20E-04	5.17E-03	2.05E-03	4.24E-01
2.00E+01	5.17E-04	1.04E-02	1.07E-03	4.36E-01
3.00E+01	5.10E-04	1.55E-02	9.35E-04	4.46E-01
4.00E+01	5.02E-04	2.05E-02	8.14E-04	4.55E-01
5.00E+01	4.91E-04	2.55E-02	7.08E-04	4.62E-01
6.00E+01	4.79E-04	3.04E-02	6.17E-04	4.69E-01
7.00E+01	4.66E-04	3.51E-02	5.37E-04	4.75E-01
8.00E+01	4.51E-04	3.96E-02	4.67E-04	4.80E-01
9.00E+01	4.36E-04	4.41E-02	4.07E-04	4.84E-01
1.00E+02	4.21E-04	4.84E-02	3.54E-04	4.88E-01
2.00E+02	2.66E-04	8.24E-02	8.86E-05	5.07E-01
3.00E+02	1.50E-04	1.03E-01	2.21E-05	5.12E-01
4.00E+02	8.05E-05	1.14E-01	5.53E-06	5.13E-01
5.00E+02	4.18E-05	1.20E-01	1.38E-06	5.13E-01
6.00E+02	2.14E-05	1.23E-01	3.46E-07	5.13E-01
7.00E+02	1.08E-05	1.24E-01	8.65E-08	5.13E-01
8.00E+02	5.44E-06	1.25E-01	2.16E-08	5.13E-01
9.00E+02	2.73E-06	1.26E-01	0.00E+00	5.13E-01
1.00E+03	1.37E-06	1.26E-01	0.00E+00	5.13E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	7.07E-02	2.76E-01	2.35E-01	5.71E-02	6.39E-01
2.00E-01	7.07E-02	2.65E-01	1.97E-01	1.05E-01	6.38E-01
3.00E-01	7.06E-02	2.56E-01	1.66E-01	1.45E-01	6.37E-01
4.00E-01	7.07E-02	2.47E-01	1.39E-01	1.78E-01	6.35E-01
5.00E-01	7.07E-02	2.40E-01	1.17E-01	2.04E-01	6.32E-01
6.00E-01	7.06E-02	2.33E-01	9.86E-02	2.25E-01	6.27E-01
7.00E-01	7.06E-02	2.27E-01	8.29E-02	2.41E-01	6.21E-01
8.00E-01	7.05E-02	2.21E-01	6.97E-02	2.52E-01	6.13E-01
9.00E-01	7.04E-02	2.16E-01	5.86E-02	2.59E-01	6.04E-01
1.00E+00	7.02E-02	2.11E-01	4.93E-02	2.63E-01	5.93E-01
2.00E+00	6.80E-02	1.77E-01	8.72E-03	2.01E-01	4.55E-01
3.00E+00	6.55E-02	1.60E-01	1.54E-03	1.12E-01	3.39E-01
4.00E+00	6.31E-02	1.50E-01	2.72E-04	5.66E-02	2.70E-01
5.00E+00	6.10E-02	1.45E-01	4.82E-05	2.82E-02	2.34E-01
6.00E+00	5.91E-02	1.41E-01	8.51E-06	1.45E-02	2.14E-01
7.00E+00	5.75E-02	1.38E-01	1.51E-06	8.05E-03	2.04E-01
8.00E+00	5.61E-02	1.36E-01	2.66E-07	4.99E-03	1.97E-01
9.00E+00	5.48E-02	1.34E-01	4.70E-08	3.51E-03	1.92E-01
1.00E+01	5.37E-02	1.32E-01	0.00E+00	2.79E-03	1.89E-01
2.00E+01	4.78E-02	1.16E-01	0.00E+00	1.85E-03	1.66E-01
3.00E+01	4.58E-02	1.02E-01	0.00E+00	1.61E-03	1.50E-01
4.00E+01	4.46E-02	9.01E-02	0.00E+00	1.40E-03	1.36E-01
5.00E+01	4.35E-02	7.93E-02	0.00E+00	1.22E-03	1.24E-01
6.00E+01	4.23E-02	6.98E-02	0.00E+00	1.06E-03	1.13E-01
7.00E+01	4.11E-02	6.14E-02	0.00E+00	9.27E-04	1.03E-01
8.00E+01	3.98E-02	5.40E-02	0.00E+00	8.07E-04	9.46E-02
9.00E+01	3.84E-02	4.75E-02	0.00E+00	7.02E-04	8.66E-02
1.00E+02	3.70E-02	4.18E-02	0.00E+00	6.12E-04	7.94E-02
2.00E+02	2.31E-02	1.15E-02	0.00E+00	1.53E-04	3.48E-02
3.00E+02	1.30E-02	3.15E-03	0.00E+00	3.82E-05	1.62E-02
4.00E+02	6.97E-03	8.55E-04	0.00E+00	9.56E-06	7.83E-03
5.00E+02	3.62E-03	2.31E-04	0.00E+00	2.39E-06	3.85E-03
6.00E+02	1.85E-03	6.19E-05	0.00E+00	5.97E-07	1.91E-03
7.00E+02	9.34E-04	1.65E-05	0.00E+00	1.49E-07	9.50E-04
8.00E+02	4.70E-04	4.40E-06	0.00E+00	3.73E-08	4.74E-04
9.00E+02	2.36E-04	1.16E-06	0.00E+00	0.00E+00	2.37E-04
1.00E+03	1.18E-04	3.08E-07	0.00E+00	0.00E+00	1.18E-04
2.00E+03	1.16E-07	0.00E+00	0.00E+00	0.00E+00	1.16E-07

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		3.61E-04		8.09E-06
2.00E-01		7.80E-04		1.64E-04
3.00E-01		1.19E-03		8.27E-04
4.00E-01		1.61E-03		2.41E-03
5.00E-01		2.02E-03		5.26E-03
6.00E-01		2.42E-03		9.57E-03
7.00E-01		2.83E-03		1.54E-02
8.00E-01		3.23E-03		2.29E-02
9.00E-01		3.62E-03		3.17E-02
1.00E+00	4.02E-03	4.02E-03	4.19E-02	4.19E-02
2.00E+00	3.72E-03	7.74E-03	1.34E-01	1.76E-01
3.00E+00	3.34E-03	1.11E-02	1.13E-01	2.89E-01
4.00E+00	2.98E-03	1.41E-02	6.57E-02	3.55E-01
5.00E+00	2.67E-03	1.67E-02	3.38E-02	3.89E-01
6.00E+00	2.39E-03	1.91E-02	1.69E-02	4.06E-01
7.00E+00	2.15E-03	2.13E-02	8.68E-03	4.14E-01
8.00E+00	1.94E-03	2.32E-02	4.78E-03	4.19E-01
9.00E+00	1.75E-03	2.50E-02	2.93E-03	4.22E-01
1.00E+01	1.59E-03	2.65E-02	2.05E-03	4.24E-01
2.00E+01	7.66E-04	3.70E-02	1.07E-03	4.36E-01
3.00E+01	5.45E-04	4.32E-02	9.35E-04	4.46E-01
4.00E+01	4.74E-04	4.82E-02	8.14E-04	4.55E-01
5.00E+01	4.40E-04	5.28E-02	7.08E-04	4.62E-01
6.00E+01	4.16E-04	5.70E-02	6.17E-04	4.69E-01
7.00E+01	3.95E-04	6.11E-02	5.37E-04	4.75E-01
8.00E+01	3.75E-04	6.49E-02	4.67E-04	4.80E-01
9.00E+01	3.55E-04	6.86E-02	4.07E-04	4.84E-01
1.00E+02	3.37E-04	7.20E-02	3.54E-04	4.88E-01
2.00E+02	1.87E-04	9.75E-02	8.86E-05	5.07E-01
3.00E+02	9.88E-05	1.11E-01	2.21E-05	5.12E-01
4.00E+02	5.09E-05	1.19E-01	5.53E-06	5.13E-01
5.00E+02	2.59E-05	1.22E-01	1.38E-06	5.13E-01
6.00E+02	1.30E-05	1.24E-01	3.46E-07	5.13E-01
7.00E+02	6.55E-06	1.25E-01	8.65E-08	5.13E-01
8.00E+02	3.28E-06	1.26E-01	2.16E-08	5.13E-01
9.00E+02	1.64E-06	1.26E-01	0.00E+00	5.13E-01
1.00E+03	8.23E-07	1.26E-01	0.00E+00	5.13E-01

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	8.68E-02	2.76E-01	2.35E-01	3.96E-02	6.37E-01
2.00E-01	1.22E-01	2.65E-01	1.97E-01	4.96E-02	6.35E-01
3.00E-01	1.56E-01	2.56E-01	1.66E-01	5.37E-02	6.31E-01
4.00E-01	1.83E-01	2.47E-01	1.39E-01	5.64E-02	6.27E-01
5.00E-01	2.06E-01	2.40E-01	1.17E-01	5.84E-02	6.21E-01
6.00E-01	2.25E-01	2.33E-01	9.86E-02	5.96E-02	6.16E-01
7.00E-01	2.40E-01	2.27E-01	8.29E-02	6.02E-02	6.09E-01
8.00E-01	2.52E-01	2.21E-01	6.97E-02	6.02E-02	6.03E-01
9.00E-01	2.62E-01	2.16E-01	5.86E-02	5.98E-02	5.96E-01
1.00E+00	2.70E-01	2.11E-01	4.93E-02	5.89E-02	5.89E-01
2.00E+00	2.98E-01	1.77E-01	8.72E-03	3.95E-02	5.23E-01
3.00E+00	2.95E-01	1.60E-01	1.54E-03	2.12E-02	4.77E-01
4.00E+00	2.87E-01	1.50E-01	2.72E-04	1.06E-02	4.48E-01
5.00E+00	2.79E-01	1.45E-01	4.82E-05	5.30E-03	4.29E-01
6.00E+00	2.72E-01	1.41E-01	8.51E-06	2.77E-03	4.15E-01
7.00E+00	2.65E-01	1.38E-01	1.51E-06	1.57E-03	4.05E-01
8.00E+00	2.60E-01	1.36E-01	2.66E-07	1.00E-03	3.97E-01
9.00E+00	2.55E-01	1.34E-01	4.70E-08	7.29E-04	3.89E-01
1.00E+01	2.50E-01	1.32E-01	0.00E+00	5.93E-04	3.83E-01
2.00E+01	2.18E-01	1.16E-01	0.00E+00	4.09E-04	3.35E-01
3.00E+01	1.98E-01	1.02E-01	0.00E+00	3.56E-04	3.01E-01
4.00E+01	1.84E-01	9.01E-02	0.00E+00	3.10E-04	2.75E-01
5.00E+01	1.74E-01	7.93E-02	0.00E+00	2.70E-04	2.54E-01
6.00E+01	1.68E-01	6.98E-02	0.00E+00	2.35E-04	2.38E-01
7.00E+01	1.63E-01	6.14E-02	0.00E+00	2.04E-04	2.24E-01
8.00E+01	1.59E-01	5.40E-02	0.00E+00	1.78E-04	2.14E-01
9.00E+01	1.57E-01	4.75E-02	0.00E+00	1.55E-04	2.05E-01
1.00E+02	1.55E-01	4.18E-02	0.00E+00	1.35E-04	1.97E-01
2.00E+02	1.47E-01	1.15E-02	0.00E+00	3.37E-05	1.59E-01
3.00E+02	1.41E-01	3.15E-03	0.00E+00	8.43E-06	1.44E-01
4.00E+02	1.35E-01	8.55E-04	0.00E+00	2.11E-06	1.36E-01
5.00E+02	1.29E-01	2.31E-04	0.00E+00	5.27E-07	1.29E-01
6.00E+02	1.23E-01	6.19E-05	0.00E+00	1.32E-07	1.23E-01
7.00E+02	1.17E-01	1.65E-05	0.00E+00	3.29E-08	1.17E-01
8.00E+02	1.12E-01	4.40E-06	0.00E+00	0.00E+00	1.12E-01
9.00E+02	1.07E-01	1.16E-06	0.00E+00	0.00E+00	1.07E-01
1.00E+03	1.02E-01	3.08E-07	0.00E+00	0.00E+00	1.02E-01
2.00E+03	6.44E-02	0.00E+00	0.00E+00	0.00E+00	6.44E-02
4.00E+03	2.55E-02	0.00E+00	0.00E+00	0.00E+00	2.55E-02
5.00E+03	1.61E-02	0.00E+00	0.00E+00	0.00E+00	1.61E-02
7.00E+03	6.39E-03	0.00E+00	0.00E+00	0.00E+00	6.39E-03
8.00E+03	4.03E-03	0.00E+00	0.00E+00	0.00E+00	4.03E-03
1.00E+04	1.60E-03	0.00E+00	0.00E+00	0.00E+00	1.60E-03
2.00E+04	1.57E-05	0.00E+00	0.00E+00	0.00E+00	1.57E-05

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	24-HOUR URINE	ACCUMULATED URINE	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		1.57E-03		1.80E-04
2.00E-01		3.92E-03		5.26E-04
3.00E-01		6.93E-03		1.15E-03
4.00E-01		1.04E-02		2.12E-03
5.00E-01		1.43E-02		3.47E-03
6.00E-01		1.83E-02		5.18E-03
7.00E-01		2.25E-02		7.24E-03
8.00E-01		2.66E-02		9.61E-03
9.00E-01		3.08E-02		1.22E-02
1.00E+00	3.49E-02	3.49E-02	1.51E-02	1.51E-02
2.00E+00	3.40E-02	6.89E-02	3.18E-02	4.68E-02
3.00E+00	2.23E-02	9.11E-02	2.41E-02	7.09E-02
4.00E+00	1.54E-02	1.06E-01	1.39E-02	8.48E-02
5.00E+00	1.16E-02	1.18E-01	7.48E-03	9.23E-02
6.00E+00	9.33E-03	1.27E-01	4.13E-03	9.64E-02
7.00E+00	7.85E-03	1.35E-01	2.47E-03	9.89E-02
8.00E+00	6.81E-03	1.42E-01	1.65E-03	1.01E-01
9.00E+00	6.06E-03	1.48E-01	1.23E-03	1.02E-01
1.00E+01	5.50E-03	1.54E-01	1.01E-03	1.03E-01
2.00E+01	3.39E-03	1.94E-01	5.93E-04	1.10E-01
3.00E+01	2.55E-03	2.23E-01	4.72E-04	1.15E-01
4.00E+01	1.96E-03	2.45E-01	3.82E-04	1.19E-01
5.00E+01	1.53E-03	2.63E-01	3.13E-04	1.23E-01
6.00E+01	1.22E-03	2.76E-01	2.60E-04	1.25E-01
7.00E+01	9.86E-04	2.87E-01	2.18E-04	1.28E-01
8.00E+01	8.09E-04	2.96E-01	1.84E-04	1.30E-01
9.00E+01	6.74E-04	3.03E-01	1.57E-04	1.31E-01
1.00E+02	5.69E-04	3.09E-01	1.35E-04	1.33E-01
2.00E+02	1.73E-04	3.40E-01	3.71E-05	1.40E-01
3.00E+02	8.91E-05	3.53E-01	1.44E-05	1.43E-01
4.00E+02	6.44E-05	3.60E-01	8.28E-06	1.44E-01
5.00E+02	5.58E-05	3.66E-01	6.48E-06	1.44E-01
6.00E+02	5.17E-05	3.71E-01	5.82E-06	1.45E-01
7.00E+02	4.90E-05	3.76E-01	5.46E-06	1.45E-01
8.00E+02	4.66E-05	3.81E-01	5.19E-06	1.46E-01
9.00E+02	4.45E-05	3.86E-01	4.95E-06	1.47E-01
1.00E+03	4.25E-05	3.90E-01	4.72E-06	1.47E-01
2.00E+03	2.68E-05	4.24E-01	2.97E-06	1.51E-01
4.00E+03	1.06E-05	4.59E-01	1.18E-06	1.55E-01
5.00E+03	6.69E-06	4.67E-01	7.44E-07	1.56E-01
7.00E+03	2.66E-06	4.76E-01	2.95E-07	1.57E-01
8.00E+03	1.67E-06	4.78E-01	1.86E-07	1.57E-01
9.00E+03	1.05E-06	4.80E-01	1.17E-07	1.57E-01
1.00E+04	6.64E-07	4.80E-01	7.38E-08	1.57E-01

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	8.64E-02	2.75E-01	2.33E-01	3.94E-02	6.34E-01
2.00E-01	1.21E-01	2.63E-01	1.95E-01	4.91E-02	6.29E-01
3.00E-01	1.53E-01	2.52E-01	1.63E-01	5.29E-02	6.22E-01
4.00E-01	1.80E-01	2.42E-01	1.37E-01	5.54E-02	6.15E-01
5.00E-01	2.01E-01	2.34E-01	1.14E-01	5.70E-02	6.06E-01
6.00E-01	2.18E-01	2.26E-01	9.58E-02	5.79E-02	5.98E-01
7.00E-01	2.32E-01	2.19E-01	8.02E-02	5.82E-02	5.89E-01
8.00E-01	2.42E-01	2.12E-01	6.71E-02	5.79E-02	5.80E-01
9.00E-01	2.51E-01	2.06E-01	5.61E-02	5.72E-02	5.71E-01
1.00E+00	2.57E-01	2.01E-01	4.70E-02	5.61E-02	5.61E-01
2.00E+00	2.70E-01	1.61E-01	7.91E-03	3.58E-02	4.75E-01
3.00E+00	2.55E-01	1.38E-01	1.33E-03	1.83E-02	4.12E-01
4.00E+00	2.36E-01	1.24E-01	2.24E-04	8.73E-03	3.69E-01
5.00E+00	2.19E-01	1.13E-01	3.78E-05	4.16E-03	3.36E-01
6.00E+00	2.03E-01	1.05E-01	6.36E-06	2.07E-03	3.10E-01
7.00E+00	1.89E-01	9.83E-02	1.07E-06	1.12E-03	2.88E-01
8.00E+00	1.76E-01	9.22E-02	1.80E-07	6.81E-04	2.69E-01
9.00E+00	1.65E-01	8.65E-02	3.04E-08	4.71E-04	2.52E-01
1.00E+01	1.54E-01	8.13E-02	0.00E+00	3.65E-04	2.36E-01
2.00E+01	8.28E-02	4.40E-02	0.00E+00	1.55E-04	1.27E-01
4.00E+01	2.65E-02	1.29E-02	0.00E+00	4.45E-05	3.95E-02
5.00E+01	1.54E-02	7.01E-03	0.00E+00	2.39E-05	2.25E-02
7.00E+01	5.46E-03	2.06E-03	0.00E+00	6.85E-06	7.52E-03
8.00E+01	3.29E-03	1.11E-03	0.00E+00	3.67E-06	4.41E-03
9.00E+01	1.99E-03	6.04E-04	0.00E+00	1.97E-06	2.60E-03
1.00E+02	1.21E-03	3.27E-04	0.00E+00	1.06E-06	1.54E-03
2.00E+02	9.00E-06	7.06E-07	0.00E+00	0.00E+00	9.71E-06
3.00E+02	6.75E-08	0.00E+00	0.00E+00	0.00E+00	6.75E-08

CLASS W AMAD = 1 MICRON

HALFLIFE= 1.43E+01 DAYS

PHOSPHORUS 32

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	24-HOUR URINE	ACCUMULATED URINE	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		1.56E-03		1.79E-04
2.00E-01		3.89E-03		5.21E-04
3.00E-01		6.83E-03		1.13E-03
4.00E-01		1.02E-02		2.08E-03
5.00E-01		1.39E-02		3.38E-03
6.00E-01		1.78E-02		5.03E-03
7.00E-01		2.17E-02		7.00E-03
8.00E-01		2.56E-02		9.25E-03
9.00E-01		2.95E-02		1.17E-02
1.00E+00	3.32E-02	3.32E-02	1.44E-02	1.44E-02
2.00E+00	3.09E-02	6.25E-02	2.88E-02	4.25E-02
3.00E+00	1.92E-02	7.88E-02	2.08E-02	6.13E-02
4.00E+00	1.27E-02	8.77E-02	1.14E-02	6.98E-02
5.00E+00	9.10E-03	9.26E-02	5.87E-03	7.24E-02
6.00E+00	6.98E-03	9.52E-02	3.09E-03	7.21E-02
7.00E+00	5.59E-03	9.63E-02	1.76E-03	7.04E-02
8.00E+00	4.62E-03	9.64E-02	1.12E-03	6.82E-02
9.00E+00	3.91E-03	9.57E-02	7.96E-04	6.58E-02
1.00E+01	3.38E-03	9.46E-02	6.20E-04	6.33E-02
2.00E+01	1.28E-03	7.36E-02	2.25E-04	4.16E-02
3.00E+01	5.95E-04	5.21E-02	1.10E-04	2.68E-02
4.00E+01	2.82E-04	3.53E-02	5.49E-05	1.71E-02
5.00E+01	1.36E-04	2.32E-02	2.77E-05	1.08E-02
6.00E+01	6.64E-05	1.50E-02	1.42E-05	6.83E-03
7.00E+01	3.31E-05	9.62E-03	7.30E-06	4.28E-03
8.00E+01	1.67E-05	6.10E-03	3.80E-06	2.68E-03
9.00E+01	8.56E-06	3.85E-03	1.99E-06	1.67E-03
1.00E+02	4.45E-06	2.42E-03	1.05E-06	1.04E-03
2.00E+02	1.06E-08	2.08E-05	0.00E+00	8.58E-06

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	7.54E-02	2.76E-01	2.35E-01	3.96E-02	6.26E-01
2.00E-01	9.58E-02	2.65E-01	1.97E-01	4.96E-02	6.08E-01
3.00E-01	1.12E-01	2.56E-01	1.66E-01	5.37E-02	5.87E-01
4.00E-01	1.21E-01	2.47E-01	1.39E-01	5.64E-02	5.64E-01
5.00E-01	1.25E-01	2.40E-01	1.17E-01	5.84E-02	5.40E-01
6.00E-01	1.26E-01	2.33E-01	9.86E-02	5.96E-02	5.17E-01
7.00E-01	1.25E-01	2.27E-01	8.29E-02	6.02E-02	4.94E-01
8.00E-01	1.22E-01	2.21E-01	6.97E-02	6.02E-02	4.73E-01
9.00E-01	1.19E-01	2.16E-01	5.86E-02	5.98E-02	4.53E-01
1.00E+00	1.16E-01	2.11E-01	4.93E-02	5.89E-02	4.35E-01
2.00E+00	8.90E-02	1.77E-01	8.72E-03	3.95E-02	3.14E-01
3.00E+00	8.02E-02	1.60E-01	1.54E-03	2.12E-02	2.63E-01
4.00E+00	7.69E-02	1.50E-01	2.72E-04	1.06E-02	2.38E-01
5.00E+00	7.49E-02	1.45E-01	4.82E-05	5.30E-03	2.25E-01
6.00E+00	7.33E-02	1.41E-01	8.51E-06	2.77E-03	2.17E-01
7.00E+00	7.17E-02	1.38E-01	1.51E-06	1.57E-03	2.11E-01
8.00E+00	7.03E-02	1.36E-01	2.66E-07	1.00E-03	2.07E-01
9.00E+00	6.88E-02	1.34E-01	4.70E-08	7.29E-04	2.03E-01
1.00E+01	6.75E-02	1.32E-01	0.00E+00	5.93E-04	2.00E-01
2.00E+01	5.63E-02	1.16E-01	0.00E+00	4.09E-04	1.73E-01
3.00E+01	4.82E-02	1.02E-01	0.00E+00	3.56E-04	1.51E-01
4.00E+01	4.24E-02	9.01E-02	0.00E+00	3.10E-04	1.33E-01
5.00E+01	3.82E-02	7.93E-02	0.00E+00	2.70E-04	1.18E-01
6.00E+01	3.51E-02	6.98E-02	0.00E+00	2.35E-04	1.05E-01
7.00E+01	3.29E-02	6.14E-02	0.00E+00	2.04E-04	9.45E-02
8.00E+01	3.12E-02	5.40E-02	0.00E+00	1.78E-04	8.54E-02
9.00E+01	3.00E-02	4.75E-02	0.00E+00	1.55E-04	7.77E-02
1.00E+02	2.91E-02	4.18E-02	0.00E+00	1.35E-04	7.10E-02
2.00E+02	2.56E-02	1.15E-02	0.00E+00	3.37E-05	3.72E-02
3.00E+02	2.44E-02	3.15E-03	0.00E+00	8.43E-06	2.76E-02
4.00E+02	2.35E-02	8.55E-04	0.00E+00	2.11E-06	2.44E-02
5.00E+02	2.27E-02	2.31E-04	0.00E+00	5.27E-07	2.29E-02
6.00E+02	2.19E-02	6.19E-05	0.00E+00	1.32E-07	2.20E-02
7.00E+02	2.12E-02	1.65E-05	0.00E+00	3.29E-08	2.12E-02
8.00E+02	2.04E-02	4.40E-06	0.00E+00	0.00E+00	2.04E-02
9.00E+02	1.97E-02	1.16E-06	0.00E+00	0.00E+00	1.97E-02
1.00E+03	1.91E-02	3.08E-07	0.00E+00	0.00E+00	1.91E-02
2.00E+03	1.35E-02	0.00E+00	0.00E+00	0.00E+00	1.35E-02
4.00E+03	6.74E-03	0.00E+00	0.00E+00	0.00E+00	6.74E-03
5.00E+03	4.77E-03	0.00E+00	0.00E+00	0.00E+00	4.77E-03
7.00E+03	2.38E-03	0.00E+00	0.00E+00	0.00E+00	2.38E-03
8.00E+03	1.69E-03	0.00E+00	0.00E+00	0.00E+00	1.69E-03
9.00E+03	1.19E-03	0.00E+00	0.00E+00	0.00E+00	1.19E-03
1.00E+04	8.43E-04	0.00E+00	0.00E+00	0.00E+00	8.43E-04
2.00E+04	2.64E-05	0.00E+00	0.00E+00	0.00E+00	2.64E-05

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	24-HOUR URINE	ACCUMULATED URINE	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		1.18E-02		1.32E-03
2.00E-01		2.79E-02		3.19E-03
3.00E-01		4.67E-02		5.57E-03
4.00E-01		6.70E-02		8.40E-03
5.00E-01		8.74E-02		1.16E-02
6.00E-01		1.07E-01		1.51E-02
7.00E-01		1.26E-01		1.88E-02
8.00E-01		1.44E-01		2.26E-02
9.00E-01		1.60E-01		2.65E-02
1.00E+00	1.74E-01	1.74E-01	3.06E-02	3.06E-02
2.00E+00	8.28E-02	2.57E-01	3.72E-02	6.77E-02
3.00E+00	2.71E-02	2.84E-01	2.46E-02	9.23E-02
4.00E+00	1.13E-02	2.95E-01	1.34E-02	1.06E-01
5.00E+00	6.34E-03	3.02E-01	6.89E-03	1.13E-01
6.00E+00	4.39E-03	3.06E-01	3.58E-03	1.16E-01
7.00E+00	3.49E-03	3.10E-01	1.99E-03	1.18E-01
8.00E+00	3.02E-03	3.13E-01	1.23E-03	1.19E-01
9.00E+00	2.77E-03	3.15E-01	8.66E-04	1.20E-01
1.00E+01	2.61E-03	3.18E-01	6.87E-04	1.21E-01
2.00E+01	2.02E-03	3.40E-01	4.41E-04	1.26E-01
3.00E+01	1.64E-03	3.58E-01	3.71E-04	1.30E-01
4.00E+01	1.35E-03	3.73E-01	3.14E-04	1.33E-01
5.00E+01	1.12E-03	3.85E-01	2.67E-04	1.36E-01
6.00E+01	9.37E-04	3.95E-01	2.28E-04	1.39E-01
7.00E+01	7.92E-04	4.04E-01	1.96E-04	1.41E-01
8.00E+01	6.74E-04	4.11E-01	1.69E-04	1.43E-01
9.00E+01	5.78E-04	4.17E-01	1.46E-04	1.44E-01
1.00E+02	4.98E-04	4.23E-01	1.27E-04	1.46E-01
2.00E+02	1.33E-04	4.50E-01	3.27E-05	1.52E-01
3.00E+02	4.22E-05	4.57E-01	9.15E-06	1.54E-01
4.00E+02	1.69E-05	4.60E-01	2.99E-06	1.55E-01
5.00E+02	9.68E-06	4.61E-01	1.35E-06	1.55E-01
6.00E+02	7.54E-06	4.62E-01	9.07E-07	1.55E-01
7.00E+02	6.79E-06	4.63E-01	7.72E-07	1.55E-01
8.00E+02	6.42E-06	4.64E-01	7.18E-07	1.55E-01
9.00E+02	6.17E-06	4.64E-01	6.87E-07	1.55E-01
1.00E+03	5.95E-06	4.65E-01	6.61E-07	1.55E-01
2.00E+03	4.21E-06	4.70E-01	4.67E-07	1.56E-01
4.00E+03	2.10E-06	4.76E-01	2.34E-07	1.57E-01
5.00E+03	1.49E-06	4.78E-01	1.65E-07	1.57E-01
7.00E+03	7.44E-07	4.80E-01	8.26E-08	1.57E-01
8.00E+03	5.26E-07	4.80E-01	5.84E-08	1.57E-01
9.00E+03	3.72E-07	4.81E-01	4.13E-08	1.57E-01
1.00E+04	2.63E-07	4.81E-01	2.92E-08	1.57E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	7.53E-02	2.76E-01	2.34E-01	3.95E-02	6.25E-01
2.00E-01	9.57E-02	2.65E-01	1.97E-01	4.96E-02	6.07E-01
3.00E-01	1.11E-01	2.55E-01	1.65E-01	5.36E-02	5.85E-01
4.00E-01	1.20E-01	2.46E-01	1.39E-01	5.63E-02	5.62E-01
5.00E-01	1.24E-01	2.39E-01	1.17E-01	5.81E-02	5.38E-01
6.00E-01	1.25E-01	2.32E-01	9.82E-02	5.93E-02	5.14E-01
7.00E-01	1.24E-01	2.25E-01	8.25E-02	5.99E-02	4.92E-01
8.00E-01	1.21E-01	2.19E-01	6.93E-02	5.98E-02	4.70E-01
9.00E-01	1.18E-01	2.14E-01	5.82E-02	5.93E-02	4.50E-01
1.00E+00	1.15E-01	2.09E-01	4.89E-02	5.84E-02	4.31E-01
2.00E+00	8.76E-02	1.74E-01	8.58E-03	3.88E-02	3.10E-01
3.00E+00	7.83E-02	1.56E-01	1.50E-03	2.07E-02	2.57E-01
4.00E+00	7.45E-02	1.46E-01	2.64E-04	1.03E-02	2.31E-01
5.00E+00	7.20E-02	1.39E-01	4.63E-05	5.10E-03	2.16E-01
6.00E+00	6.99E-02	1.34E-01	8.12E-06	2.64E-03	2.07E-01
7.00E+00	6.78E-02	1.31E-01	1.42E-06	1.49E-03	2.00E-01
8.00E+00	6.59E-02	1.28E-01	2.50E-07	9.42E-04	1.94E-01
9.00E+00	6.41E-02	1.25E-01	4.38E-08	6.78E-04	1.89E-01
1.00E+01	6.24E-02	1.22E-01	0.00E+00	5.48E-04	1.85E-01
2.00E+01	4.80E-02	9.92E-02	0.00E+00	3.49E-04	1.48E-01
3.00E+01	3.80E-02	8.07E-02	0.00E+00	2.81E-04	1.19E-01
4.00E+01	3.09E-02	6.56E-02	0.00E+00	2.26E-04	9.67E-02
5.00E+01	2.57E-02	5.33E-02	0.00E+00	1.81E-04	7.92E-02
6.00E+01	2.18E-02	4.34E-02	0.00E+00	1.46E-04	6.53E-02
7.00E+01	1.89E-02	3.52E-02	0.00E+00	1.17E-04	5.42E-02
8.00E+01	1.66E-02	2.86E-02	0.00E+00	9.44E-05	4.53E-02
9.00E+01	1.47E-02	2.33E-02	0.00E+00	7.59E-05	3.81E-02
1.00E+02	1.32E-02	1.89E-02	0.00E+00	6.10E-05	3.21E-02
2.00E+02	5.25E-03	2.36E-03	0.00E+00	6.91E-06	7.62E-03
3.00E+02	2.26E-03	2.92E-04	0.00E+00	7.82E-07	2.56E-03
4.00E+02	9.86E-04	3.59E-05	0.00E+00	8.84E-08	1.02E-03
5.00E+02	4.31E-04	4.38E-06	0.00E+00	1.00E-08	4.35E-04
6.00E+02	1.88E-04	5.32E-07	0.00E+00	0.00E+00	1.89E-04
7.00E+02	8.23E-05	6.43E-08	0.00E+00	0.00E+00	8.24E-05
8.00E+02	3.60E-05	0.00E+00	0.00E+00	0.00E+00	3.60E-05
9.00E+02	1.57E-05	0.00E+00	0.00E+00	0.00E+00	1.57E-05
1.00E+03	6.88E-06	0.00E+00	0.00E+00	0.00E+00	6.88E-06

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	24-HOUR URINE	ACCUMULATED URINE	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		1.18E-02		1.32E-03
2.00E-01		2.79E-02		3.18E-03
3.00E-01		4.66E-02		5.56E-03
4.00E-01		6.68E-02		8.38E-03
5.00E-01		8.71E-02		1.15E-02
6.00E-01		1.07E-01		1.50E-02
7.00E-01		1.25E-01		1.87E-02
8.00E-01		1.43E-01		2.25E-02
9.00E-01		1.58E-01		2.64E-02
1.00E+00	1.73E-01	1.73E-01	3.03E-02	3.03E-02
2.00E+00	8.15E-02	2.53E-01	3.66E-02	6.67E-02
3.00E+00	2.64E-02	2.77E-01	2.40E-02	9.02E-02
4.00E+00	1.10E-02	2.86E-01	1.30E-02	1.02E-01
5.00E+00	6.09E-03	2.90E-01	6.63E-03	1.08E-01
6.00E+00	4.18E-03	2.92E-01	3.42E-03	1.11E-01
7.00E+00	3.30E-03	2.93E-01	1.88E-03	1.12E-01
8.00E+00	2.84E-03	2.93E-01	1.16E-03	1.12E-01
9.00E+00	2.58E-03	2.94E-01	8.07E-04	1.12E-01
1.00E+01	2.41E-03	2.94E-01	6.35E-04	1.12E-01
2.00E+01	1.72E-03	2.90E-01	3.76E-04	1.07E-01
3.00E+01	1.29E-03	2.82E-01	2.92E-04	1.02E-01
4.00E+01	9.80E-04	2.72E-01	2.28E-04	9.71E-02
5.00E+01	7.52E-04	2.59E-01	1.80E-04	9.16E-02
6.00E+01	5.82E-04	2.46E-01	1.42E-04	8.62E-02
7.00E+01	4.55E-04	2.32E-01	1.13E-04	8.08E-02
8.00E+01	3.58E-04	2.18E-01	8.97E-05	7.56E-02
9.00E+01	2.83E-04	2.04E-01	7.17E-05	7.06E-02
1.00E+02	2.25E-04	1.91E-01	5.74E-05	6.59E-02
2.00E+02	2.73E-05	9.21E-02	6.69E-06	3.12E-02
3.00E+02	3.91E-06	4.24E-02	8.49E-07	1.43E-02
4.00E+02	7.07E-07	1.93E-02	1.25E-07	6.49E-03
5.00E+02	1.84E-07	8.76E-03	2.57E-08	2.94E-03
6.00E+02	6.48E-08	3.97E-03	0.00E+00	1.33E-03
7.00E+02	2.64E-08	1.80E-03	0.00E+00	6.04E-04
8.00E+02	1.13E-08	8.16E-04	0.00E+00	2.73E-04

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	1.07E-01	2.76E-01	2.35E-01	2.10E-02	6.39E-01
2.00E-01	1.55E-01	2.65E-01	1.97E-01	1.96E-02	6.38E-01
3.00E-01	1.98E-01	2.56E-01	1.66E-01	1.68E-02	6.36E-01
4.00E-01	2.34E-01	2.47E-01	1.39E-01	1.43E-02	6.35E-01
5.00E-01	2.64E-01	2.40E-01	1.17E-01	1.22E-02	6.33E-01
6.00E-01	2.89E-01	2.33E-01	9.86E-02	1.05E-02	6.31E-01
7.00E-01	3.11E-01	2.27E-01	8.29E-02	9.01E-03	6.29E-01
8.00E-01	3.29E-01	2.21E-01	6.97E-02	7.77E-03	6.27E-01
9.00E-01	3.44E-01	2.16E-01	5.86E-02	6.72E-03	6.25E-01
1.00E+00	3.56E-01	2.11E-01	4.93E-02	5.83E-03	6.22E-01
2.00E+00	4.08E-01	1.77E-01	8.72E-03	1.66E-03	5.95E-01
3.00E+00	4.05E-01	1.60E-01	1.54E-03	6.39E-04	5.67E-01
4.00E+00	3.89E-01	1.50E-01	2.72E-04	3.08E-04	5.39E-01
5.00E+00	3.68E-01	1.45E-01	4.82E-05	1.74E-04	5.13E-01
6.00E+00	3.47E-01	1.41E-01	8.51E-06	1.12E-04	4.88E-01
7.00E+00	3.27E-01	1.38E-01	1.51E-06	8.16E-05	4.65E-01
8.00E+00	3.07E-01	1.36E-01	2.66E-07	6.63E-05	4.43E-01
9.00E+00	2.88E-01	1.34E-01	4.70E-08	5.83E-05	4.22E-01
1.00E+01	2.71E-01	1.32E-01	0.00E+00	5.40E-05	4.03E-01
2.00E+01	1.47E-01	1.16E-01	0.00E+00	4.38E-05	2.63E-01
3.00E+01	8.34E-02	1.02E-01	0.00E+00	3.82E-05	1.86E-01
4.00E+01	5.05E-02	9.01E-02	0.00E+00	3.32E-05	1.41E-01
5.00E+01	3.30E-02	7.93E-02	0.00E+00	2.89E-05	1.12E-01
6.00E+01	2.33E-02	6.98E-02	0.00E+00	2.52E-05	9.31E-02
7.00E+01	1.77E-02	6.14E-02	0.00E+00	2.19E-05	7.91E-02
8.00E+01	1.41E-02	5.40E-02	0.00E+00	1.91E-05	6.81E-02
9.00E+01	1.17E-02	4.75E-02	0.00E+00	1.66E-05	5.92E-02
1.00E+02	9.95E-03	4.18E-02	0.00E+00	1.45E-05	5.18E-02
2.00E+02	2.64E-03	1.15E-02	0.00E+00	3.61E-06	1.42E-02
3.00E+02	7.27E-04	3.15E-03	0.00E+00	9.04E-07	3.88E-03
4.00E+02	1.99E-04	8.55E-04	0.00E+00	2.26E-07	1.05E-03
5.00E+02	5.39E-05	2.31E-04	0.00E+00	5.65E-08	2.85E-04
6.00E+02	1.45E-05	6.19E-05	0.00E+00	1.41E-08	7.64E-05
7.00E+02	3.90E-06	1.65E-05	0.00E+00	0.00E+00	2.04E-05
8.00E+02	1.04E-06	4.40E-06	0.00E+00	0.00E+00	5.44E-06
9.00E+02	2.76E-07	1.16E-06	0.00E+00	0.00E+00	1.44E-06
1.00E+03	7.32E-08	3.08E-07	0.00E+00	0.00E+00	3.81E-07

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		5.19E-04		0.00E-00
2.00E-01		1.43E-03		0.00E-00
3.00E-01		2.66E-03		0.00E-00
4.00E-01		4.16E-03		0.00E-00
5.00E-01		5.89E-03		0.00E-00
6.00E-01		7.81E-03		0.00E-00
7.00E-01		9.89E-03		0.00E-00
8.00E-01		1.21E-02		0.00E-00
9.00E-01		1.44E-02		0.00E-00
1.00E+00	1.69E-02	1.69E-02	0.00E-00	0.00E-00
2.00E+00	2.70E-02	4.39E-02	0.00E-00	0.00E-00
3.00E+00	2.83E-02	7.22E-02	0.00E-00	0.00E-00
4.00E+00	2.75E-02	9.97E-02	0.00E-00	0.00E-00
5.00E+00	2.62E-02	1.26E-01	0.00E-00	0.00E-00
6.00E+00	2.48E-02	1.51E-01	0.00E-00	0.00E-00
7.00E+00	2.34E-02	1.74E-01	0.00E+00	0.00E-00
8.00E+00	2.20E-02	1.96E-01	0.00E+00	0.00E-00
9.00E+00	2.06E-02	2.17E-01	0.00E+00	0.00E-00
1.00E+01	1.94E-02	2.36E-01	0.00E+00	0.00E-00
2.00E+01	1.05E-02	3.76E-01	0.00E+00	0.00E-00
3.00E+01	5.94E-03	4.53E-01	0.00E+00	0.00E-00
4.00E+01	3.58E-03	4.99E-01	0.00E+00	0.00E-00
5.00E+01	2.33E-03	5.27E-01	0.00E+00	0.00E-00
6.00E+01	1.64E-03	5.46E-01	0.00E+00	0.00E-00
7.00E+01	1.24E-03	5.60E-01	0.00E+00	0.00E-00
8.00E+01	9.88E-04	5.71E-01	0.00E+00	0.00E-00
9.00E+01	8.19E-04	5.80E-01	0.00E+00	0.00E-00
1.00E+02	6.95E-04	5.87E-01	0.00E+00	0.00E-00
2.00E+02	1.84E-04	6.25E-01	0.00E+00	0.00E-00
3.00E+02	5.07E-05	6.35E-01	0.00E+00	0.00E-00
4.00E+02	1.39E-05	6.38E-01	0.00E+00	0.00E-00
5.00E+02	3.76E-06	6.39E-01	0.00E+00	0.00E-00
6.00E+02	1.01E-06	6.39E-01	0.00E+00	0.00E-00
7.00E+02	2.72E-07	6.39E-01	0.00E+00	0.00E-00
8.00E+02	7.25E-08	6.39E-01	0.00E+00	0.00E-00
9.00E+02	1.93E-08	6.39E-01	0.00E+00	0.00E-00

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	1.07E-01	2.76E-01	2.35E-01	2.10E-02	6.39E-01
2.00E-01	1.55E-01	2.65E-01	1.97E-01	1.96E-02	6.38E-01
3.00E-01	1.98E-01	2.56E-01	1.66E-01	1.68E-02	6.36E-01
4.00E-01	2.34E-01	2.47E-01	1.39E-01	1.43E-02	6.35E-01
5.00E-01	2.64E-01	2.40E-01	1.17E-01	1.22E-02	6.33E-01
6.00E-01	2.89E-01	2.33E-01	9.86E-02	1.05E-02	6.31E-01
7.00E-01	3.11E-01	2.27E-01	8.29E-02	9.01E-03	6.29E-01
8.00E-01	3.29E-01	2.21E-01	6.97E-02	7.77E-03	6.27E-01
9.00E-01	3.44E-01	2.16E-01	5.86E-02	6.72E-03	6.25E-01
1.00E+00	3.56E-01	2.11E-01	4.93E-02	5.83E-03	6.22E-01
2.00E+00	4.08E-01	1.77E-01	8.72E-03	1.66E-03	5.95E-01
3.00E+00	4.05E-01	1.60E-01	1.54E-03	6.39E-04	5.67E-01
4.00E+00	3.89E-01	1.50E-01	2.72E-04	3.08E-04	5.39E-01
5.00E+00	3.68E-01	1.45E-01	4.82E-05	1.74E-04	5.13E-01
6.00E+00	3.47E-01	1.41E-01	8.51E-06	1.12E-04	4.88E-01
7.00E+00	3.27E-01	1.38E-01	1.51E-06	8.16E-05	4.65E-01
8.00E+00	3.07E-01	1.36E-01	2.66E-07	6.63E-05	4.43E-01
9.00E+00	2.88E-01	1.34E-01	4.70E-08	5.83E-05	4.22E-01
1.00E+01	2.71E-01	1.32E-01	0.00E+00	5.40E-05	4.03E-01
2.00E+01	1.47E-01	1.16E-01	0.00E+00	4.38E-05	2.63E-01
3.00E+01	8.34E-02	1.02E-01	0.00E+00	3.82E-05	1.86E-01
4.00E+01	5.05E-02	9.01E-02	0.00E+00	3.32E-05	1.41E-01
5.00E+01	3.30E-02	7.93E-02	0.00E+00	2.89E-05	1.12E-01
6.00E+01	2.33E-02	6.98E-02	0.00E+00	2.52E-05	9.31E-02
7.00E+01	1.77E-02	6.14E-02	0.00E+00	2.19E-05	7.91E-02
8.00E+01	1.41E-02	5.40E-02	0.00E+00	1.91E-05	6.81E-02
9.00E+01	1.17E-02	4.75E-02	0.00E+00	1.66E-05	5.92E-02
1.00E+02	9.95E-03	4.18E-02	0.00E+00	1.45E-05	5.18E-02
2.00E+02	2.64E-03	1.15E-02	0.00E+00	3.61E-06	1.42E-02
3.00E+02	7.27E-04	3.15E-03	0.00E+00	9.04E-07	3.88E-03
4.00E+02	1.99E-04	8.55E-04	0.00E+00	2.26E-07	1.05E-03
5.00E+02	5.39E-05	2.31E-04	0.00E+00	5.65E-08	2.85E-04
6.00E+02	1.45E-05	6.19E-05	0.00E+00	1.41E-08	7.64E-05
7.00E+02	3.90E-06	1.65E-05	0.00E+00	0.00E+00	2.04E-05
8.00E+02	1.04E-06	4.40E-06	0.00E+00	0.00E+00	5.44E-06
9.00E+02	2.76E-07	1.16E-06	0.00E+00	0.00E+00	1.44E-06
1.00E+03	7.32E-08	3.08E-07	0.00E+00	0.00E+00	3.81E-07

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		5.19E-04		0.00E-00
2.00E-01		1.43E-03		0.00E-00
3.00E-01		2.66E-03		0.00E-00
4.00E-01		4.16E-03		0.00E-00
5.00E-01		5.89E-03		0.00E-00
6.00E-01		7.81E-03		0.00E-00
7.00E-01		9.89E-03		0.00E-00
8.00E-01		1.21E-02		0.00E-00
9.00E-01		1.44E-02		0.00E-00
1.00E+00	1.69E-02	1.69E-02	0.00E-00	0.00E-00
2.00E+00	2.70E-02	4.39E-02	0.00E-00	0.00E-00
3.00E+00	2.83E-02	7.22E-02	0.00E-00	0.00E-00
4.00E+00	2.75E-02	9.97E-02	0.00E-00	0.00E-00
5.00E+00	2.62E-02	1.26E-01	0.00E-00	0.00E-00
6.00E+00	2.48E-02	1.51E-01	0.00E-00	0.00E-00
7.00E+00	2.34E-02	1.74E-01	0.00E+00	0.00E-00
8.00E+00	2.20E-02	1.96E-01	0.00E+00	0.00E-00
9.00E+00	2.06E-02	2.17E-01	0.00E+00	0.00E-00
1.00E+01	1.94E-02	2.36E-01	0.00E+00	0.00E-00
2.00E+01	1.05E-02	3.76E-01	0.00E+00	0.00E-00
3.00E+01	5.94E-03	4.53E-01	0.00E+00	0.00E-00
4.00E+01	3.58E-03	4.99E-01	0.00E+00	0.00E-00
5.00E+01	2.33E-03	5.27E-01	0.00E+00	0.00E-00
6.00E+01	1.64E-03	5.46E-01	0.00E+00	0.00E-00
7.00E+01	1.24E-03	5.60E-01	0.00E+00	0.00E-00
8.00E+01	9.88E-04	5.71E-01	0.00E+00	0.00E-00
9.00E+01	8.19E-04	5.80E-01	0.00E+00	0.00E-00
1.00E+02	6.95E-04	5.87E-01	0.00E+00	0.00E-00
2.00E+02	1.84E-04	6.25E-01	0.00E+00	0.00E-00
3.00E+02	5.07E-05	6.35E-01	0.00E+00	0.00E-00
4.00E+02	1.39E-05	6.38E-01	0.00E+00	0.00E-00
5.00E+02	3.76E-06	6.39E-01	0.00E+00	0.00E-00
6.00E+02	1.01E-06	6.39E-01	0.00E+00	0.00E-00
7.00E+02	2.72E-07	6.39E-01	0.00E+00	0.00E-00
8.00E+02	7.25E-08	6.39E-01	0.00E+00	0.00E-00
9.00E+02	1.93E-08	6.39E-01	0.00E+00	0.00E-00

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	7.14E-02	2.76E-01	2.35E-01	5.42E-02	6.37E-01
2.00E-01	8.02E-02	2.65E-01	1.97E-01	9.29E-02	6.36E-01
3.00E-01	9.15E-02	2.56E-01	1.66E-01	1.21E-01	6.34E-01
4.00E-01	1.03E-01	2.47E-01	1.39E-01	1.43E-01	6.32E-01
5.00E-01	1.13E-01	2.40E-01	1.17E-01	1.59E-01	6.29E-01
6.00E-01	1.22E-01	2.33E-01	9.86E-02	1.71E-01	6.24E-01
7.00E-01	1.29E-01	2.27E-01	8.29E-02	1.80E-01	6.19E-01
8.00E-01	1.36E-01	2.21E-01	6.97E-02	1.86E-01	6.12E-01
9.00E-01	1.41E-01	2.16E-01	5.86E-02	1.89E-01	6.05E-01
1.00E+00	1.46E-01	2.11E-01	4.93E-02	1.90E-01	5.96E-01
2.00E+00	1.67E-01	1.77E-01	8.72E-03	1.40E-01	4.93E-01
3.00E+00	1.69E-01	1.60E-01	1.54E-03	7.68E-02	4.08E-01
4.00E+00	1.67E-01	1.50E-01	2.72E-04	3.86E-02	3.56E-01
5.00E+00	1.64E-01	1.45E-01	4.82E-05	1.92E-02	3.28E-01
6.00E+00	1.60E-01	1.41E-01	8.51E-06	9.95E-03	3.11E-01
7.00E+00	1.57E-01	1.38E-01	1.51E-06	5.55E-03	3.00E-01
8.00E+00	1.53E-01	1.36E-01	2.66E-07	3.47E-03	2.93E-01
9.00E+00	1.50E-01	1.34E-01	4.70E-08	2.46E-03	2.86E-01
1.00E+01	1.47E-01	1.32E-01	0.00E+00	1.97E-03	2.81E-01
2.00E+01	1.29E-01	1.16E-01	0.00E+00	1.32E-03	2.46E-01
3.00E+01	1.22E-01	1.02E-01	0.00E+00	1.15E-03	2.25E-01
4.00E+01	1.20E-01	9.01E-02	0.00E+00	1.00E-03	2.11E-01
5.00E+01	1.19E-01	7.93E-02	0.00E+00	8.73E-04	1.99E-01
6.00E+01	1.20E-01	6.98E-02	0.00E+00	7.60E-04	1.90E-01
7.00E+01	1.20E-01	6.14E-02	0.00E+00	6.61E-04	1.82E-01
8.00E+01	1.20E-01	5.40E-02	0.00E+00	5.76E-04	1.75E-01
9.00E+01	1.21E-01	4.75E-02	0.00E+00	5.01E-04	1.69E-01
1.00E+02	1.21E-01	4.18E-02	0.00E+00	4.36E-04	1.63E-01
2.00E+02	1.18E-01	1.15E-02	0.00E+00	1.09E-04	1.29E-01
3.00E+02	1.12E-01	3.15E-03	0.00E+00	2.73E-05	1.15E-01
4.00E+02	1.07E-01	8.55E-04	0.00E+00	6.82E-06	1.08E-01
5.00E+02	1.03E-01	2.31E-04	0.00E+00	1.70E-06	1.03E-01
6.00E+02	9.95E-02	6.19E-05	0.00E+00	4.26E-07	9.96E-02
7.00E+02	9.66E-02	1.65E-05	0.00E+00	1.07E-07	9.66E-02
8.00E+02	9.40E-02	4.40E-06	0.00E+00	2.66E-08	9.40E-02
9.00E+02	9.17E-02	1.16E-06	0.00E+00	0.00E+00	9.17E-02
1.00E+03	8.96E-02	3.08E-07	0.00E+00	0.00E+00	8.96E-02
2.00E+03	7.46E-02	0.00E+00	0.00E+00	0.00E+00	7.46E-02
4.00E+03	5.69E-02	0.00E+00	0.00E+00	0.00E+00	5.69E-02
5.00E+03	5.07E-02	0.00E+00	0.00E+00	0.00E+00	5.07E-02
7.00E+03	4.12E-02	0.00E+00	0.00E+00	0.00E+00	4.12E-02
8.00E+03	3.74E-02	0.00E+00	0.00E+00	0.00E+00	3.74E-02
9.00E+03	3.42E-02	0.00E+00	0.00E+00	0.00E+00	3.42E-02
1.00E+04	3.13E-02	0.00E+00	0.00E+00	0.00E+00	3.13E-02
2.00E+04	1.39E-02	0.00E+00	0.00E+00	0.00E+00	1.39E-02

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	24-HOUR URINE	ACCUMULATED URINE	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		1.25E-03		1.26E-03
2.00E-01		1.70E-03		1.85E-03
3.00E-01		2.09E-03		2.83E-03
4.00E-01		2.52E-03		4.62E-03
5.00E-01		2.95E-03		7.41E-03
6.00E-01		3.38E-03		1.13E-02
7.00E-01		3.80E-03		1.64E-02
8.00E-01		4.21E-03		2.26E-02
9.00E-01		4.62E-03		2.97E-02
1.00E+00	5.02E-03	5.02E-03	3.78E-02	3.78E-02
2.00E+00	3.67E-03	8.68E-03	1.00E-01	1.38E-01
3.00E+00	3.30E-03	1.20E-02	8.18E-02	2.20E-01
4.00E+00	3.04E-03	1.50E-02	4.81E-02	2.68E-01
5.00E+00	2.81E-03	1.78E-02	2.58E-02	2.94E-01
6.00E+00	2.60E-03	2.04E-02	1.41E-02	3.08E-01
7.00E+00	2.41E-03	2.29E-02	8.34E-03	3.16E-01
8.00E+00	2.23E-03	2.51E-02	5.52E-03	3.21E-01
9.00E+00	2.07E-03	2.72E-02	4.10E-03	3.26E-01
1.00E+01	1.92E-03	2.91E-02	3.34E-03	3.29E-01
2.00E+01	9.48E-04	4.22E-02	1.71E-03	3.51E-01
3.00E+01	5.33E-04	4.92E-02	1.19E-03	3.65E-01
4.00E+01	3.50E-04	5.34E-02	9.25E-04	3.75E-01
5.00E+01	2.64E-04	5.63E-02	7.64E-04	3.83E-01
6.00E+01	2.19E-04	5.87E-02	6.54E-04	3.90E-01
7.00E+01	1.91E-04	6.07E-02	5.71E-04	3.96E-01
8.00E+01	1.72E-04	6.25E-02	5.03E-04	4.02E-01
9.00E+01	1.57E-04	6.42E-02	4.45E-04	4.06E-01
1.00E+02	1.45E-04	6.57E-02	3.95E-04	4.11E-01
2.00E+02	7.02E-05	7.58E-02	1.33E-04	4.34E-01
3.00E+02	4.00E-05	8.11E-02	5.56E-05	4.43E-01
4.00E+02	2.65E-05	8.43E-02	3.04E-05	4.47E-01
5.00E+02	1.98E-05	8.66E-02	2.08E-05	4.49E-01
6.00E+02	1.61E-05	8.84E-02	1.63E-05	4.51E-01
7.00E+02	1.38E-05	8.98E-02	1.38E-05	4.53E-01
8.00E+02	1.22E-05	9.11E-02	1.22E-05	4.54E-01
9.00E+02	1.10E-05	9.23E-02	1.10E-05	4.55E-01
1.00E+03	1.01E-05	9.33E-02	1.01E-05	4.56E-01
2.00E+03	5.85E-06	1.01E-01	5.85E-06	4.64E-01
4.00E+03	3.44E-06	1.10E-01	3.44E-06	4.73E-01
5.00E+03	2.82E-06	1.13E-01	2.82E-06	4.76E-01
7.00E+03	2.01E-06	1.18E-01	2.01E-06	4.80E-01
8.00E+03	1.74E-06	1.19E-01	1.74E-06	4.82E-01
1.00E+04	1.36E-06	1.23E-01	1.36E-06	4.85E-01
2.00E+04	5.49E-07	1.31E-01	5.49E-07	4.94E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	7.14E-02	2.76E-01	2.35E-01	5.42E-02	6.36E-01
2.00E-01	8.01E-02	2.65E-01	1.97E-01	9.28E-02	6.35E-01
3.00E-01	9.14E-02	2.55E-01	1.66E-01	1.21E-01	6.33E-01
4.00E-01	1.03E-01	2.47E-01	1.39E-01	1.42E-01	6.31E-01
5.00E-01	1.13E-01	2.39E-01	1.17E-01	1.59E-01	6.27E-01
6.00E-01	1.21E-01	2.32E-01	9.84E-02	1.71E-01	6.23E-01
7.00E-01	1.29E-01	2.26E-01	8.27E-02	1.79E-01	6.17E-01
8.00E-01	1.35E-01	2.20E-01	6.95E-02	1.85E-01	6.10E-01
9.00E-01	1.41E-01	2.15E-01	5.84E-02	1.88E-01	6.02E-01
1.00E+00	1.45E-01	2.10E-01	4.91E-02	1.89E-01	5.94E-01
2.00E+00	1.65E-01	1.76E-01	8.64E-03	1.39E-01	4.88E-01
3.00E+00	1.67E-01	1.58E-01	1.52E-03	7.58E-02	4.02E-01
4.00E+00	1.64E-01	1.48E-01	2.68E-04	3.80E-02	3.50E-01
5.00E+00	1.60E-01	1.42E-01	4.71E-05	1.88E-02	3.21E-01
6.00E+00	1.56E-01	1.37E-01	8.30E-06	9.70E-03	3.03E-01
7.00E+00	1.52E-01	1.34E-01	1.46E-06	5.39E-03	2.91E-01
8.00E+00	1.48E-01	1.31E-01	2.57E-07	3.35E-03	2.83E-01
9.00E+00	1.44E-01	1.29E-01	4.53E-08	2.37E-03	2.76E-01
1.00E+01	1.41E-01	1.27E-01	0.00E+00	1.89E-03	2.69E-01
2.00E+01	1.18E-01	1.07E-01	0.00E+00	1.22E-03	2.26E-01
3.00E+01	1.07E-01	9.01E-02	0.00E+00	1.01E-03	1.98E-01
4.00E+01	1.01E-01	7.60E-02	0.00E+00	8.46E-04	1.78E-01
5.00E+01	9.65E-02	6.41E-02	0.00E+00	7.06E-04	1.61E-01
6.00E+01	9.27E-02	5.40E-02	0.00E+00	5.89E-04	1.47E-01
7.00E+01	8.91E-02	4.56E-02	0.00E+00	4.91E-04	1.35E-01
8.00E+01	8.56E-02	3.84E-02	0.00E+00	4.10E-04	1.24E-01
9.00E+01	8.22E-02	3.24E-02	0.00E+00	3.42E-04	1.15E-01
1.00E+02	7.89E-02	2.73E-02	0.00E+00	2.85E-04	1.06E-01
2.00E+02	5.02E-02	4.92E-03	0.00E+00	4.66E-05	5.52E-02
3.00E+02	3.13E-02	8.80E-04	0.00E+00	7.61E-06	3.22E-02
4.00E+02	1.95E-02	1.56E-04	0.00E+00	1.24E-06	1.97E-02
5.00E+02	1.23E-02	2.75E-05	0.00E+00	2.03E-07	1.23E-02
6.00E+02	7.76E-03	4.83E-06	0.00E+00	3.32E-08	7.77E-03
7.00E+02	4.92E-03	8.42E-07	0.00E+00	0.00E+00	4.92E-03
8.00E+02	3.13E-03	1.46E-07	0.00E+00	0.00E+00	3.13E-03
9.00E+02	2.00E-03	2.54E-08	0.00E+00	0.00E+00	2.00E-03
1.00E+03	1.28E-03	0.00E+00	0.00E+00	0.00E+00	1.28E-03
2.00E+03	1.51E-05	0.00E+00	0.00E+00	0.00E+00	1.51E-05
3.00E+03	1.86E-07	0.00E+00	0.00E+00	0.00E+00	1.86E-07

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	24-HOUR URINE	ACCUMULATED URINE	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		1.25E-03		1.26E-03
2.00E-01		1.70E-03		1.85E-03
3.00E-01		2.09E-03		2.83E-03
4.00E-01		2.51E-03		4.61E-03
5.00E-01		2.94E-03		7.40E-03
6.00E-01		3.37E-03		1.13E-02
7.00E-01		3.79E-03		1.63E-02
8.00E-01		4.20E-03		2.25E-02
9.00E-01		4.60E-03		2.96E-02
1.00E+00	5.00E-03	5.00E-03	3.76E-02	3.76E-02
2.00E+00	3.64E-03	8.61E-03	9.92E-02	1.37E-01
3.00E+00	3.26E-03	1.18E-02	8.07E-02	2.17E-01
4.00E+00	2.99E-03	1.48E-02	4.72E-02	2.63E-01
5.00E+00	2.75E-03	1.75E-02	2.53E-02	2.87E-01
6.00E+00	2.54E-03	1.99E-02	1.38E-02	3.00E-01
7.00E+00	2.34E-03	2.22E-02	8.10E-03	3.07E-01
8.00E+00	2.16E-03	2.43E-02	5.33E-03	3.11E-01
9.00E+00	1.99E-03	2.61E-02	3.94E-03	3.13E-01
1.00E+01	1.84E-03	2.79E-02	3.20E-03	3.15E-01
2.00E+01	8.71E-04	3.88E-02	1.57E-03	3.22E-01
3.00E+01	4.70E-04	4.33E-02	1.05E-03	3.21E-01
4.00E+01	2.95E-04	4.50E-02	7.81E-04	3.16E-01
5.00E+01	2.13E-04	4.55E-02	6.18E-04	3.10E-01
6.00E+01	1.69E-04	4.55E-02	5.07E-04	3.02E-01
7.00E+01	1.42E-04	4.51E-02	4.24E-04	2.94E-01
8.00E+01	1.23E-04	4.45E-02	3.58E-04	2.86E-01
9.00E+01	1.07E-04	4.38E-02	3.03E-04	2.77E-01
1.00E+02	9.45E-05	4.29E-02	2.58E-04	2.68E-01
2.00E+02	3.00E-05	3.24E-02	5.67E-05	1.85E-01
3.00E+02	1.12E-05	2.26E-02	1.55E-05	1.24E-01
4.00E+02	4.84E-06	1.54E-02	5.55E-06	8.16E-02
5.00E+02	2.37E-06	1.03E-02	2.48E-06	5.36E-02
6.00E+02	1.26E-06	6.89E-03	1.27E-06	3.52E-02
7.00E+02	7.02E-07	4.58E-03	7.05E-07	2.31E-02
8.00E+02	4.05E-07	3.04E-03	4.06E-07	1.51E-02
9.00E+02	2.39E-07	2.01E-03	2.39E-07	9.91E-03
1.00E+03	1.43E-07	1.33E-03	1.43E-07	6.49E-03

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	7.03E-02	2.72E-01	2.31E-01	5.34E-02	6.27E-01
2.00E-01	7.77E-02	2.57E-01	1.91E-01	9.01E-02	6.16E-01
3.00E-01	8.74E-02	2.44E-01	1.58E-01	1.16E-01	6.06E-01
4.00E-01	9.66E-02	2.33E-01	1.31E-01	1.34E-01	5.94E-01
5.00E-01	1.05E-01	2.22E-01	1.09E-01	1.47E-01	5.82E-01
6.00E-01	1.11E-01	2.12E-01	9.00E-02	1.56E-01	5.70E-01
7.00E-01	1.16E-01	2.04E-01	7.45E-02	1.62E-01	5.56E-01
8.00E-01	1.20E-01	1.95E-01	6.17E-02	1.64E-01	5.42E-01
9.00E-01	1.23E-01	1.88E-01	5.11E-02	1.65E-01	5.27E-01
1.00E+00	1.25E-01	1.81E-01	4.23E-02	1.63E-01	5.12E-01
2.00E+00	1.23E-01	1.31E-01	6.42E-03	1.03E-01	3.63E-01
3.00E+00	1.07E-01	1.01E-01	9.74E-04	4.85E-02	2.58E-01
4.00E+00	9.07E-02	8.15E-02	1.48E-04	2.10E-02	1.93E-01
5.00E+00	7.63E-02	6.73E-02	2.24E-05	8.96E-03	1.53E-01
6.00E+00	6.40E-02	5.62E-02	3.40E-06	3.97E-03	1.24E-01
7.00E+00	5.37E-02	4.73E-02	5.16E-07	1.90E-03	1.03E-01
8.00E+00	4.50E-02	4.00E-02	7.82E-08	1.02E-03	8.60E-02
9.00E+00	3.78E-02	3.38E-02	1.19E-08	6.21E-04	7.23E-02
1.00E+01	3.18E-02	2.86E-02	0.00E+00	4.26E-04	6.09E-02
2.00E+01	6.03E-03	5.45E-03	0.00E+00	6.20E-05	1.15E-02
3.00E+01	1.24E-03	1.04E-03	0.00E+00	1.17E-05	2.29E-03
4.00E+01	2.63E-04	1.98E-04	0.00E+00	2.20E-06	4.63E-04
5.00E+01	5.68E-05	3.77E-05	0.00E+00	4.15E-07	9.49E-05
6.00E+01	1.23E-05	7.18E-06	0.00E+00	7.83E-08	1.96E-05
7.00E+01	2.68E-06	1.37E-06	0.00E+00	1.47E-08	4.06E-06
8.00E+01	5.81E-07	2.61E-07	0.00E+00	0.00E+00	8.42E-07
9.00E+01	1.26E-07	4.97E-08	0.00E+00	0.00E+00	1.76E-07
1.00E+02	2.73E-08	0.00E+00	0.00E+00	0.00E+00	2.73E-08

CLASS W

AMAD = 1 MICRON

HALFLIFE= 4.53E+00 DAYS

CALCIUM 47

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	24-HOUR URINE	ACCUMULATED URINE	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		1.23E-03		1.24E-03
2.00E-01		1.65E-03		1.79E-03
3.00E-01		2.00E-03		2.71E-03
4.00E-01		2.37E-03		4.34E-03
5.00E-01		2.73E-03		6.87E-03
6.00E-01		3.08E-03		1.03E-02
7.00E-01		3.42E-03		1.47E-02
8.00E-01		3.73E-03		2.00E-02
9.00E-01		4.03E-03		2.59E-02
1.00E+00	4.31E-03	4.31E-03	3.24E-02	3.24E-02
2.00E+00	2.70E-03	6.40E-03	7.37E-02	1.02E-01
3.00E+00	2.09E-03	7.58E-03	5.17E-02	1.39E-01
4.00E+00	1.65E-03	8.15E-03	2.61E-02	1.45E-01
5.00E+00	1.31E-03	8.30E-03	1.20E-02	1.37E-01
6.00E+00	1.04E-03	8.16E-03	5.64E-03	1.23E-01
7.00E+00	8.26E-04	7.83E-03	2.86E-03	1.08E-01
8.00E+00	6.56E-04	7.38E-03	1.62E-03	9.45E-02
9.00E+00	5.22E-04	6.85E-03	1.03E-03	8.21E-02
1.00E+01	4.15E-04	6.29E-03	7.24E-04	7.12E-02
2.00E+01	4.44E-05	1.98E-03	8.00E-05	1.64E-02
3.00E+01	5.41E-06	4.99E-04	1.21E-05	3.70E-03
4.00E+01	7.70E-07	1.17E-04	2.03E-06	8.24E-04
5.00E+01	1.26E-07	2.68E-05	3.64E-07	1.82E-04
6.00E+01	2.25E-08	6.05E-06	6.74E-08	4.02E-05

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	7.10E-02	2.76E-01	2.35E-01	5.71E-02	6.39E-01
2.00E-01	7.14E-02	2.65E-01	1.97E-01	1.05E-01	6.39E-01
3.00E-01	7.18E-02	2.56E-01	1.66E-01	1.45E-01	6.38E-01
4.00E-01	7.22E-02	2.47E-01	1.39E-01	1.78E-01	6.37E-01
5.00E-01	7.26E-02	2.40E-01	1.17E-01	2.04E-01	6.34E-01
6.00E-01	7.30E-02	2.33E-01	9.86E-02	2.25E-01	6.30E-01
7.00E-01	7.33E-02	2.27E-01	8.29E-02	2.41E-01	6.24E-01
8.00E-01	7.36E-02	2.21E-01	6.97E-02	2.52E-01	6.16E-01
9.00E-01	7.39E-02	2.16E-01	5.86E-02	2.59E-01	6.07E-01
1.00E+00	7.41E-02	2.11E-01	4.93E-02	2.63E-01	5.97E-01
2.00E+00	7.56E-02	1.77E-01	8.72E-03	2.01E-01	4.63E-01
3.00E+00	7.63E-02	1.60E-01	1.54E-03	1.12E-01	3.50E-01
4.00E+00	7.68E-02	1.50E-01	2.72E-04	5.66E-02	2.84E-01
5.00E+00	7.73E-02	1.45E-01	4.82E-05	2.82E-02	2.50E-01
6.00E+00	7.77E-02	1.41E-01	8.51E-06	1.45E-02	2.33E-01
7.00E+00	7.82E-02	1.38E-01	1.51E-06	8.05E-03	2.24E-01
8.00E+00	7.86E-02	1.36E-01	2.66E-07	4.99E-03	2.19E-01
9.00E+00	7.90E-02	1.34E-01	4.70E-08	3.51E-03	2.16E-01
1.00E+01	7.94E-02	1.32E-01	0.00E+00	2.79E-03	2.14E-01
2.00E+01	8.30E-02	1.16E-01	0.00E+00	1.85E-03	2.01E-01
3.00E+01	8.63E-02	1.02E-01	0.00E+00	1.61E-03	1.90E-01
4.00E+01	8.90E-02	9.01E-02	0.00E+00	1.40E-03	1.80E-01
5.00E+01	9.14E-02	7.93E-02	0.00E+00	1.22E-03	1.72E-01
6.00E+01	9.34E-02	6.98E-02	0.00E+00	1.06E-03	1.64E-01
7.00E+01	9.52E-02	6.14E-02	0.00E+00	9.27E-04	1.57E-01
8.00E+01	9.66E-02	5.40E-02	0.00E+00	8.07E-04	1.51E-01
9.00E+01	9.77E-02	4.75E-02	0.00E+00	7.02E-04	1.46E-01
1.00E+02	9.86E-02	4.18E-02	0.00E+00	6.12E-04	1.41E-01
2.00E+02	9.88E-02	1.15E-02	0.00E+00	1.53E-04	1.10E-01
3.00E+02	9.15E-02	3.15E-03	0.00E+00	3.82E-05	9.47E-02
4.00E+02	8.26E-02	8.55E-04	0.00E+00	9.56E-06	8.34E-02
5.00E+02	7.39E-02	2.31E-04	0.00E+00	2.39E-06	7.41E-02
6.00E+02	6.59E-02	6.19E-05	0.00E+00	5.97E-07	6.60E-02
7.00E+02	5.87E-02	1.65E-05	0.00E+00	1.49E-07	5.88E-02
8.00E+02	5.23E-02	4.40E-06	0.00E+00	3.73E-08	5.23E-02
9.00E+02	4.66E-02	1.16E-06	0.00E+00	0.00E+00	4.66E-02
1.00E+03	4.15E-02	3.08E-07	0.00E+00	0.00E+00	4.15E-02
2.00E+03	1.31E-02	0.00E+00	0.00E+00	0.00E+00	1.31E-02
4.00E+03	1.30E-03	0.00E+00	0.00E+00	0.00E+00	1.30E-03
5.00E+03	4.09E-04	0.00E+00	0.00E+00	0.00E+00	4.09E-04
6.00E+03	1.29E-04	0.00E+00	0.00E+00	0.00E+00	1.29E-04
7.00E+03	4.06E-05	0.00E+00	0.00E+00	0.00E+00	4.06E-05
8.00E+03	1.28E-05	0.00E+00	0.00E+00	0.00E+00	1.28E-05
9.00E+03	4.03E-06	0.00E+00	0.00E+00	0.00E+00	4.03E-06
1.00E+04	1.27E-06	0.00E+00	0.00E+00	0.00E+00	1.27E-06

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		7.02E-06		8.09E-06
2.00E-01		1.53E-05		1.64E-04
3.00E-01		2.35E-05		8.27E-04
4.00E-01		3.18E-05		2.41E-03
5.00E-01		4.02E-05		5.26E-03
6.00E-01		4.86E-05		9.57E-03
7.00E-01		5.71E-05		1.54E-02
8.00E-01		6.56E-05		2.29E-02
9.00E-01		7.41E-05		3.17E-02
1.00E+00	8.26E-05	8.26E-05	4.19E-02	4.19E-02
2.00E+00	8.66E-05	1.69E-04	1.34E-01	1.76E-01
3.00E+00	8.77E-05	2.57E-04	1.13E-01	2.89E-01
4.00E+00	8.84E-05	3.45E-04	6.57E-02	3.55E-01
5.00E+00	8.90E-05	4.34E-04	3.38E-02	3.89E-01
6.00E+00	8.95E-05	5.24E-04	1.69E-02	4.06E-01
7.00E+00	9.00E-05	6.14E-04	8.68E-03	4.14E-01
8.00E+00	9.05E-05	7.04E-04	4.78E-03	4.19E-01
9.00E+00	9.10E-05	7.95E-04	2.93E-03	4.22E-01
1.00E+01	9.14E-05	8.87E-04	2.05E-03	4.24E-01
2.00E+01	9.57E-05	1.83E-03	1.07E-03	4.36E-01
3.00E+01	9.94E-05	2.80E-03	9.35E-04	4.46E-01
4.00E+01	1.03E-04	3.82E-03	8.14E-04	4.55E-01
5.00E+01	1.05E-04	4.86E-03	7.08E-04	4.62E-01
6.00E+01	1.08E-04	5.93E-03	6.17E-04	4.69E-01
7.00E+01	1.10E-04	7.02E-03	5.37E-04	4.75E-01
8.00E+01	1.11E-04	8.12E-03	4.67E-04	4.80E-01
9.00E+01	1.13E-04	9.25E-03	4.07E-04	4.84E-01
1.00E+02	1.14E-04	1.04E-02	3.54E-04	4.88E-01
2.00E+02	1.14E-04	2.19E-02	8.86E-05	5.07E-01
3.00E+02	1.06E-04	3.29E-02	2.21E-05	5.12E-01
4.00E+02	9.54E-05	4.30E-02	5.53E-06	5.13E-01
5.00E+02	8.54E-05	5.20E-02	1.38E-06	5.13E-01
6.00E+02	7.62E-05	6.01E-02	3.46E-07	5.13E-01
7.00E+02	6.79E-05	6.73E-02	8.65E-08	5.13E-01
8.00E+02	6.05E-05	7.37E-02	2.16E-08	5.13E-01
9.00E+02	5.39E-05	7.94E-02	0.00E+00	5.13E-01
1.00E+03	4.80E-05	8.45E-02	0.00E+00	5.13E-01
2.00E+03	1.51E-05	1.13E-01	0.00E+00	5.13E-01
4.00E+03	1.50E-06	1.25E-01	0.00E+00	5.13E-01
5.00E+03	4.73E-07	1.26E-01	0.00E+00	5.13E-01
7.00E+03	4.70E-08	1.26E-01	0.00E+00	5.13E-01
8.00E+03	1.48E-08	1.26E-01	0.00E+00	5.13E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	6.06E-02	2.76E-01	2.35E-01	5.71E-02	6.29E-01
2.00E-01	5.14E-02	2.65E-01	1.97E-01	1.05E-01	6.19E-01
3.00E-01	4.45E-02	2.56E-01	1.66E-01	1.45E-01	6.11E-01
4.00E-01	3.93E-02	2.47E-01	1.39E-01	1.78E-01	6.03E-01
5.00E-01	3.54E-02	2.39E-01	1.17E-01	2.04E-01	5.96E-01
6.00E-01	3.25E-02	2.32E-01	9.85E-02	2.25E-01	5.88E-01
7.00E-01	3.02E-02	2.26E-01	8.28E-02	2.40E-01	5.80E-01
8.00E-01	2.85E-02	2.20E-01	6.96E-02	2.52E-01	5.70E-01
9.00E-01	2.72E-02	2.15E-01	5.85E-02	2.59E-01	5.60E-01
1.00E+00	2.62E-02	2.10E-01	4.92E-02	2.62E-01	5.48E-01
2.00E+00	2.32E-02	1.77E-01	8.68E-03	2.01E-01	4.09E-01
3.00E+00	2.30E-02	1.59E-01	1.53E-03	1.11E-01	2.95E-01
4.00E+00	2.31E-02	1.49E-01	2.70E-04	5.61E-02	2.28E-01
5.00E+00	2.32E-02	1.43E-01	4.77E-05	2.79E-02	1.94E-01
6.00E+00	2.33E-02	1.39E-01	8.41E-06	1.43E-02	1.77E-01
7.00E+00	2.34E-02	1.36E-01	1.48E-06	7.93E-03	1.67E-01
8.00E+00	2.35E-02	1.34E-01	2.62E-07	4.90E-03	1.62E-01
9.00E+00	2.36E-02	1.31E-01	4.62E-08	3.45E-03	1.58E-01
1.00E+01	2.37E-02	1.29E-01	0.00E+00	2.73E-03	1.56E-01
2.00E+01	2.45E-02	1.11E-01	0.00E+00	1.78E-03	1.38E-01
3.00E+01	2.51E-02	9.61E-02	0.00E+00	1.52E-03	1.23E-01
4.00E+01	2.56E-02	8.28E-02	0.00E+00	1.29E-03	1.10E-01
5.00E+01	2.60E-02	7.14E-02	0.00E+00	1.10E-03	9.85E-02
6.00E+01	2.63E-02	6.15E-02	0.00E+00	9.39E-04	8.87E-02
7.00E+01	2.64E-02	5.30E-02	0.00E+00	8.00E-04	8.02E-02
8.00E+01	2.65E-02	4.56E-02	0.00E+00	6.82E-04	7.28E-02
9.00E+01	2.65E-02	3.93E-02	0.00E+00	5.81E-04	6.64E-02
1.00E+02	2.64E-02	3.39E-02	0.00E+00	4.96E-04	6.07E-02
2.00E+02	2.35E-02	7.57E-03	0.00E+00	1.00E-04	3.12E-02
3.00E+02	1.95E-02	1.68E-03	0.00E+00	2.04E-05	2.12E-02
4.00E+02	1.59E-02	3.69E-04	0.00E+00	4.12E-06	1.62E-02
5.00E+02	1.28E-02	8.07E-05	0.00E+00	8.36E-07	1.29E-02
6.00E+02	1.03E-02	1.76E-05	0.00E+00	1.69E-07	1.03E-02
7.00E+02	8.30E-03	3.80E-06	0.00E+00	3.43E-08	8.30E-03
8.00E+02	6.68E-03	8.19E-07	0.00E+00	0.00E+00	6.68E-03
9.00E+02	5.38E-03	1.76E-07	0.00E+00	0.00E+00	5.38E-03
1.00E+03	4.33E-03	3.77E-08	0.00E+00	0.00E+00	4.33E-03
2.00E+03	4.94E-04	0.00E+00	0.00E+00	0.00E+00	4.94E-04
3.00E+03	5.65E-05	0.00E+00	0.00E+00	0.00E+00	5.65E-05
4.00E+03	6.45E-06	0.00E+00	0.00E+00	0.00E+00	6.45E-06
5.00E+03	7.36E-07	0.00E+00	0.00E+00	0.00E+00	7.36E-07
6.00E+03	8.41E-08	0.00E+00	0.00E+00	0.00E+00	8.41E-08

CLASS W

AMAD = 1 MICRON

HALFLIFE= 3.30E+02 DAYS

VANADIUM 49

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		1.05E-02		8.09E-06
2.00E-01		2.00E-02		1.63E-04
3.00E-01		2.73E-02		8.26E-04
4.00E-01		3.29E-02		2.41E-03
5.00E-01		3.72E-02		5.25E-03
6.00E-01		4.05E-02		9.56E-03
7.00E-01		4.31E-02		1.54E-02
8.00E-01		4.51E-02		2.28E-02
9.00E-01		4.67E-02		3.17E-02
1.00E+00	4.79E-02	4.79E-02	4.18E-02	4.18E-02
2.00E+00	4.46E-03	5.23E-02	1.34E-01	1.75E-01
3.00E+00	8.98E-04	5.30E-02	1.12E-01	2.87E-01
4.00E+00	4.90E-04	5.34E-02	6.52E-02	3.52E-01
5.00E+00	4.05E-04	5.37E-02	3.34E-02	3.85E-01
6.00E+00	3.74E-04	5.40E-02	1.67E-02	4.00E-01
7.00E+00	3.59E-04	5.42E-02	8.56E-03	4.08E-01
8.00E+00	3.49E-04	5.45E-02	4.70E-03	4.12E-01
9.00E+00	3.43E-04	5.47E-02	2.88E-03	4.14E-01
1.00E+01	3.37E-04	5.49E-02	2.00E-03	4.15E-01
2.00E+01	2.99E-04	5.69E-02	1.03E-03	4.18E-01
3.00E+01	2.66E-04	5.85E-02	8.78E-04	4.19E-01
4.00E+01	2.36E-04	5.97E-02	7.48E-04	4.18E-01
5.00E+01	2.09E-04	6.07E-02	6.38E-04	4.16E-01
6.00E+01	1.85E-04	6.14E-02	5.44E-04	4.13E-01
7.00E+01	1.63E-04	6.18E-02	4.63E-04	4.10E-01
8.00E+01	1.44E-04	6.20E-02	3.95E-04	4.05E-01
9.00E+01	1.27E-04	6.21E-02	3.37E-04	4.01E-01
1.00E+02	1.12E-04	6.20E-02	2.87E-04	3.95E-01
2.00E+02	3.10E-05	5.58E-02	5.82E-05	3.33E-01
3.00E+02	8.71E-06	4.67E-02	1.18E-05	2.72E-01
4.00E+02	2.88E-06	3.83E-02	2.39E-06	2.21E-01
5.00E+02	1.30E-06	3.12E-02	4.84E-07	1.79E-01
6.00E+02	8.11E-07	2.54E-02	9.81E-08	1.46E-01
7.00E+02	5.97E-07	2.07E-02	1.99E-08	1.18E-01
8.00E+02	4.68E-07	1.68E-02	0.00E+00	9.56E-02
9.00E+02	3.74E-07	1.37E-02	0.00E+00	7.75E-02
1.00E+03	3.00E-07	1.11E-02	0.00E+00	6.28E-02
2.00E+03	3.43E-08	1.39E-03	0.00E+00	7.69E-03

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	6.89E-02	2.76E-01	2.34E-01	5.62E-02	6.35E-01
2.00E-01	6.87E-02	2.64E-01	1.96E-01	1.01E-01	6.30E-01
3.00E-01	6.96E-02	2.54E-01	1.65E-01	1.37E-01	6.25E-01
4.00E-01	7.07E-02	2.45E-01	1.38E-01	1.66E-01	6.20E-01
5.00E-01	7.18E-02	2.37E-01	1.16E-01	1.89E-01	6.13E-01
6.00E-01	7.26E-02	2.29E-01	9.72E-02	2.06E-01	6.05E-01
7.00E-01	7.31E-02	2.23E-01	8.15E-02	2.19E-01	5.96E-01
8.00E-01	7.34E-02	2.16E-01	6.84E-02	2.28E-01	5.86E-01
9.00E-01	7.35E-02	2.11E-01	5.73E-02	2.33E-01	5.74E-01
1.00E+00	7.34E-02	2.06E-01	4.81E-02	2.35E-01	5.62E-01
2.00E+00	6.85E-02	1.69E-01	8.29E-03	1.73E-01	4.19E-01
3.00E+00	6.29E-02	1.48E-01	1.43E-03	9.36E-02	3.06E-01
4.00E+00	5.81E-02	1.36E-01	2.46E-04	4.60E-02	2.40E-01
5.00E+00	5.40E-02	1.28E-01	4.25E-05	2.24E-02	2.04E-01
6.00E+00	5.02E-02	1.21E-01	7.33E-06	1.12E-02	1.83E-01
7.00E+00	4.69E-02	1.16E-01	1.26E-06	6.09E-03	1.69E-01
8.00E+00	4.39E-02	1.11E-01	2.18E-07	3.69E-03	1.59E-01
9.00E+00	4.12E-02	1.07E-01	3.75E-08	2.54E-03	1.51E-01
1.00E+01	3.88E-02	1.03E-01	0.00E+00	1.97E-03	1.44E-01
2.00E+01	2.38E-02	7.05E-02	0.00E+00	1.02E-03	9.53E-02
3.00E+01	1.66E-02	4.83E-02	0.00E+00	6.94E-04	6.56E-02
4.00E+01	1.22E-02	3.31E-02	0.00E+00	4.70E-04	4.58E-02
5.00E+01	9.12E-03	2.27E-02	0.00E+00	3.19E-04	3.21E-02
6.00E+01	6.84E-03	1.55E-02	0.00E+00	2.16E-04	2.26E-02
7.00E+01	5.13E-03	1.07E-02	0.00E+00	1.47E-04	1.59E-02
8.00E+01	3.84E-03	7.30E-03	0.00E+00	9.93E-05	1.12E-02
9.00E+01	2.88E-03	5.00E-03	0.00E+00	6.73E-05	7.94E-03
1.00E+02	2.15E-03	3.42E-03	0.00E+00	4.56E-05	5.62E-03
2.00E+02	1.17E-04	7.74E-05	0.00E+00	9.35E-07	1.95E-04
3.00E+02	6.54E-06	1.73E-06	0.00E+00	1.91E-08	8.29E-06
4.00E+02	3.99E-07	3.85E-08	0.00E+00	0.00E+00	4.38E-07
5.00E+02	2.66E-08	0.00E+00	0.00E+00	0.00E+00	2.66E-08

CLASS W

AMAD = 1 MICRON

HALFLIFE= 2.77E+01 DAYS

CHROMIUM 51

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		2.68E-03		7.99E-06
2.00E-01		5.54E-03		1.60E-04
3.00E-01		8.20E-03		7.98E-04
4.00E-01		1.07E-02		2.31E-03
5.00E-01		1.31E-02		4.98E-03
6.00E-01		1.53E-02		8.99E-03
7.00E-01		1.75E-02		1.44E-02
8.00E-01		1.95E-02		2.12E-02
9.00E-01		2.14E-02		2.92E-02
1.00E+00	2.31E-02	2.31E-02	3.83E-02	3.83E-02
2.00E+00	1.28E-02	3.54E-02	1.17E-01	1.54E-01
3.00E+00	7.16E-03	4.16E-02	9.48E-02	2.45E-01
4.00E+00	4.78E-03	4.54E-02	5.35E-02	2.93E-01
5.00E+00	3.72E-03	4.80E-02	2.68E-02	3.12E-01
6.00E+00	3.12E-03	4.99E-02	1.31E-02	3.17E-01
7.00E+00	2.71E-03	5.14E-02	6.55E-03	3.16E-01
8.00E+00	2.38E-03	5.25E-02	3.53E-03	3.12E-01
9.00E+00	2.12E-03	5.33E-02	2.11E-03	3.06E-01
1.00E+01	1.89E-03	5.39E-02	1.44E-03	3.00E-01
2.00E+01	7.13E-04	5.18E-02	5.92E-04	2.40E-01
3.00E+01	3.56E-04	4.46E-02	4.01E-04	1.91E-01
4.00E+01	2.18E-04	3.72E-02	2.72E-04	1.52E-01
5.00E+01	1.47E-04	3.05E-02	1.84E-04	1.20E-01
6.00E+01	1.04E-04	2.48E-02	1.25E-04	9.50E-02
7.00E+01	7.38E-05	2.01E-02	8.47E-05	7.49E-02
8.00E+01	5.28E-05	1.62E-02	5.74E-05	5.89E-02
9.00E+01	3.78E-05	1.30E-02	3.89E-05	4.63E-02
1.00E+02	2.71E-05	1.04E-02	2.64E-05	3.63E-02
2.00E+02	9.59E-07	1.00E-03	5.40E-07	3.09E-03
3.00E+02	3.42E-08	8.74E-05	1.11E-08	2.56E-04

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	6.91E-02	2.76E-01	2.35E-01	5.64E-02	6.36E-01
2.00E-01	6.91E-02	2.65E-01	1.97E-01	1.02E-01	6.33E-01
3.00E-01	7.01E-02	2.56E-01	1.66E-01	1.38E-01	6.30E-01
4.00E-01	7.14E-02	2.47E-01	1.39E-01	1.68E-01	6.26E-01
5.00E-01	7.27E-02	2.40E-01	1.17E-01	1.91E-01	6.21E-01
6.00E-01	7.37E-02	2.33E-01	9.86E-02	2.09E-01	6.14E-01
7.00E-01	7.44E-02	2.27E-01	8.29E-02	2.23E-01	6.07E-01
8.00E-01	7.49E-02	2.21E-01	6.97E-02	2.32E-01	5.98E-01
9.00E-01	7.52E-02	2.16E-01	5.86E-02	2.38E-01	5.87E-01
1.00E+00	7.53E-02	2.11E-01	4.93E-02	2.41E-01	5.76E-01
2.00E+00	7.21E-02	1.77E-01	8.72E-03	1.82E-01	4.40E-01
3.00E+00	6.78E-02	1.60E-01	1.54E-03	1.01E-01	3.30E-01
4.00E+00	6.43E-02	1.50E-01	2.72E-04	5.09E-02	2.66E-01
5.00E+00	6.11E-02	1.45E-01	4.82E-05	2.53E-02	2.31E-01
6.00E+00	5.84E-02	1.41E-01	8.51E-06	1.31E-02	2.12E-01
7.00E+00	5.59E-02	1.38E-01	1.51E-06	7.26E-03	2.01E-01
8.00E+00	5.36E-02	1.36E-01	2.66E-07	4.51E-03	1.94E-01
9.00E+00	5.16E-02	1.34E-01	4.70E-08	3.18E-03	1.89E-01
1.00E+01	4.98E-02	1.32E-01	0.00E+00	2.53E-03	1.84E-01
2.00E+01	3.92E-02	1.16E-01	0.00E+00	1.69E-03	1.57E-01
3.00E+01	3.52E-02	1.02E-01	0.00E+00	1.47E-03	1.39E-01
4.00E+01	3.32E-02	9.01E-02	0.00E+00	1.28E-03	1.25E-01
5.00E+01	3.19E-02	7.93E-02	0.00E+00	1.11E-03	1.12E-01
6.00E+01	3.07E-02	6.98E-02	0.00E+00	9.70E-04	1.01E-01
7.00E+01	2.96E-02	6.14E-02	0.00E+00	8.44E-04	9.18E-02
8.00E+01	2.84E-02	5.40E-02	0.00E+00	7.35E-04	8.32E-02
9.00E+01	2.74E-02	4.75E-02	0.00E+00	6.40E-04	7.55E-02
1.00E+02	2.63E-02	4.18E-02	0.00E+00	5.57E-04	6.86E-02
2.00E+02	1.74E-02	1.15E-02	0.00E+00	1.39E-04	2.90E-02
3.00E+02	1.19E-02	3.15E-03	0.00E+00	3.48E-05	1.51E-02
4.00E+02	8.87E-03	8.55E-04	0.00E+00	8.71E-06	9.73E-03
5.00E+02	7.21E-03	2.31E-04	0.00E+00	2.18E-06	7.45E-03
6.00E+02	6.25E-03	6.19E-05	0.00E+00	5.44E-07	6.31E-03
7.00E+02	5.62E-03	1.65E-05	0.00E+00	1.36E-07	5.63E-03
8.00E+02	5.15E-03	4.40E-06	0.00E+00	3.40E-08	5.15E-03
9.00E+02	4.76E-03	1.16E-06	0.00E+00	0.00E+00	4.76E-03
1.00E+03	4.43E-03	3.08E-07	0.00E+00	0.00E+00	4.43E-03
2.00E+03	2.21E-03	0.00E+00	0.00E+00	0.00E+00	2.21E-03
4.00E+03	5.52E-04	0.00E+00	0.00E+00	0.00E+00	5.52E-04
5.00E+03	2.76E-04	0.00E+00	0.00E+00	0.00E+00	2.76E-04
7.00E+03	6.90E-05	0.00E+00	0.00E+00	0.00E+00	6.90E-05
8.00E+03	3.45E-05	0.00E+00	0.00E+00	0.00E+00	3.45E-05
1.00E+04	8.63E-06	0.00E+00	0.00E+00	0.00E+00	8.63E-06

CLASS W

AMAD = 1 MICRON

STABLE

CHROMIUM 52

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		2.68E-03		8.01E-06
2.00E-01		5.56E-03		1.60E-04
3.00E-01		8.26E-03		8.04E-04
4.00E-01		1.08E-02		2.33E-03
5.00E-01		1.33E-02		5.04E-03
6.00E-01		1.56E-02		9.13E-03
7.00E-01		1.78E-02		1.47E-02
8.00E-01		1.99E-02		2.16E-02
9.00E-01		2.18E-02		2.98E-02
1.00E+00	2.37E-02	2.37E-02	3.93E-02	3.93E-02
2.00E+00	1.35E-02	3.72E-02	1.23E-01	1.62E-01
3.00E+00	7.71E-03	4.49E-02	1.02E-01	2.64E-01
4.00E+00	5.29E-03	5.02E-02	5.92E-02	3.23E-01
5.00E+00	4.21E-03	5.44E-02	3.04E-02	3.54E-01
6.00E+00	3.62E-03	5.80E-02	1.52E-02	3.69E-01
7.00E+00	3.22E-03	6.12E-02	7.81E-03	3.77E-01
8.00E+00	2.91E-03	6.42E-02	4.31E-03	3.81E-01
9.00E+00	2.65E-03	6.68E-02	2.65E-03	3.84E-01
1.00E+01	2.42E-03	6.92E-02	1.85E-03	3.85E-01
2.00E+01	1.18E-03	8.55E-02	9.77E-04	3.97E-01
3.00E+01	7.55E-04	9.45E-02	8.50E-04	4.06E-01
4.00E+01	5.93E-04	1.01E-01	7.40E-04	4.13E-01
5.00E+01	5.15E-04	1.07E-01	6.44E-04	4.20E-01
6.00E+01	4.65E-04	1.11E-01	5.61E-04	4.26E-01
7.00E+01	4.25E-04	1.16E-01	4.88E-04	4.32E-01
8.00E+01	3.91E-04	1.20E-01	4.25E-04	4.36E-01
9.00E+01	3.60E-04	1.24E-01	3.70E-04	4.40E-01
1.00E+02	3.31E-04	1.27E-01	3.22E-04	4.43E-01
2.00E+02	1.43E-04	1.49E-01	8.05E-05	4.61E-01
3.00E+02	6.22E-05	1.59E-01	2.01E-05	4.65E-01
4.00E+02	2.83E-05	1.63E-01	5.03E-06	4.66E-01
5.00E+02	1.41E-05	1.65E-01	1.26E-06	4.66E-01
6.00E+02	8.11E-06	1.66E-01	3.14E-07	4.66E-01
7.00E+02	5.46E-06	1.67E-01	7.86E-08	4.66E-01
8.00E+02	4.22E-06	1.68E-01	1.97E-08	4.66E-01
9.00E+02	3.58E-06	1.68E-01	0.00E+00	4.66E-01
1.00E+03	3.18E-06	1.68E-01	0.00E+00	4.66E-01
2.00E+03	1.53E-06	1.70E-01	0.00E+00	4.66E-01
4.00E+03	3.83E-07	1.72E-01	0.00E+00	4.66E-01
5.00E+03	1.91E-07	1.72E-01	0.00E+00	4.66E-01
7.00E+03	4.79E-08	1.73E-01	0.00E+00	4.66E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	7.14E-02	2.76E-01	2.35E-01	5.63E-02	6.39E-01
2.00E-01	7.37E-02	2.65E-01	1.97E-01	1.02E-01	6.38E-01
3.00E-01	7.70E-02	2.56E-01	1.66E-01	1.38E-01	6.37E-01
4.00E-01	8.04E-02	2.47E-01	1.39E-01	1.68E-01	6.34E-01
5.00E-01	8.35E-02	2.39E-01	1.17E-01	1.91E-01	6.31E-01
6.00E-01	8.63E-02	2.32E-01	9.85E-02	2.09E-01	6.26E-01
7.00E-01	8.87E-02	2.26E-01	8.28E-02	2.22E-01	6.20E-01
8.00E-01	9.07E-02	2.20E-01	6.96E-02	2.32E-01	6.13E-01
9.00E-01	9.24E-02	2.15E-01	5.85E-02	2.38E-01	6.04E-01
1.00E+00	9.38E-02	2.10E-01	4.92E-02	2.40E-01	5.93E-01
2.00E+00	9.81E-02	1.76E-01	8.68E-03	1.81E-01	4.65E-01
3.00E+00	9.61E-02	1.59E-01	1.53E-03	1.00E-01	3.57E-01
4.00E+00	9.29E-02	1.49E-01	2.70E-04	5.04E-02	2.93E-01
5.00E+00	8.96E-02	1.43E-01	4.76E-05	2.50E-02	2.58E-01
6.00E+00	8.64E-02	1.39E-01	8.40E-06	1.29E-02	2.38E-01
7.00E+00	8.36E-02	1.36E-01	1.48E-06	7.15E-03	2.27E-01
8.00E+00	8.10E-02	1.33E-01	2.61E-07	4.43E-03	2.19E-01
9.00E+00	7.86E-02	1.31E-01	4.61E-08	3.12E-03	2.13E-01
1.00E+01	7.65E-02	1.29E-01	0.00E+00	2.48E-03	2.08E-01
2.00E+01	6.25E-02	1.11E-01	0.00E+00	1.62E-03	1.75E-01
3.00E+01	5.38E-02	9.57E-02	0.00E+00	1.38E-03	1.51E-01
4.00E+01	4.68E-02	8.24E-02	0.00E+00	1.17E-03	1.30E-01
5.00E+01	4.09E-02	7.09E-02	0.00E+00	9.97E-04	1.13E-01
6.00E+01	3.57E-02	6.11E-02	0.00E+00	8.49E-04	9.77E-02
7.00E+01	3.12E-02	5.26E-02	0.00E+00	7.23E-04	8.45E-02
8.00E+01	2.73E-02	4.52E-02	0.00E+00	6.16E-04	7.32E-02
9.00E+01	2.39E-02	3.89E-02	0.00E+00	5.24E-04	6.33E-02
1.00E+02	2.09E-02	3.35E-02	0.00E+00	4.46E-04	5.48E-02
2.00E+02	5.42E-03	7.40E-03	0.00E+00	8.94E-05	1.29E-02
3.00E+02	1.38E-03	1.62E-03	0.00E+00	1.79E-05	3.01E-03
4.00E+02	3.40E-04	3.52E-04	0.00E+00	3.58E-06	6.96E-04
5.00E+02	8.18E-05	7.61E-05	0.00E+00	7.18E-07	1.59E-04
6.00E+02	1.92E-05	1.64E-05	0.00E+00	1.44E-07	3.57E-05
7.00E+02	4.44E-06	3.50E-06	0.00E+00	2.88E-08	7.97E-06
8.00E+02	1.01E-06	7.45E-07	0.00E+00	0.00E+00	1.76E-06
9.00E+02	2.27E-07	1.58E-07	0.00E+00	0.00E+00	3.85E-07
1.00E+03	5.04E-08	3.35E-08	0.00E+00	0.00E+00	8.39E-08

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		3.88E-04		8.01E-06
2.00E-01		8.47E-04		1.60E-04
3.00E-01		1.32E-03		8.04E-04
4.00E-01		1.81E-03		2.33E-03
5.00E-01		2.32E-03		5.04E-03
6.00E-01		2.84E-03		9.11E-03
7.00E-01		3.38E-03		1.46E-02
8.00E-01		3.92E-03		2.15E-02
9.00E-01		4.48E-03		2.98E-02
1.00E+00	5.03E-03	5.03E-03	3.92E-02	3.92E-02
2.00E+00	5.60E-03	1.06E-02	1.22E-01	1.61E-01
3.00E+00	5.23E-03	1.58E-02	1.02E-01	2.62E-01
4.00E+00	4.71E-03	2.05E-02	5.86E-02	3.20E-01
5.00E+00	4.22E-03	2.47E-02	3.00E-02	3.50E-01
6.00E+00	3.78E-03	2.84E-02	1.50E-02	3.64E-01
7.00E+00	3.40E-03	3.17E-02	7.69E-03	3.71E-01
8.00E+00	3.07E-03	3.47E-02	4.23E-03	3.74E-01
9.00E+00	2.79E-03	3.75E-02	2.60E-03	3.76E-01
1.00E+01	2.55E-03	3.99E-02	1.81E-03	3.77E-01
2.00E+01	1.42E-03	5.68E-02	9.34E-04	3.79E-01
3.00E+01	1.10E-03	6.76E-02	7.95E-04	3.79E-01
4.00E+01	9.36E-04	7.61E-02	6.77E-04	3.78E-01
5.00E+01	8.14E-04	8.30E-02	5.76E-04	3.76E-01
6.00E+01	7.11E-04	8.86E-02	4.91E-04	3.73E-01
7.00E+01	6.22E-04	9.32E-02	4.18E-04	3.69E-01
8.00E+01	5.44E-04	9.69E-02	3.56E-04	3.65E-01
9.00E+01	4.76E-04	9.98E-02	3.03E-04	3.60E-01
1.00E+02	4.16E-04	1.02E-01	2.58E-04	3.55E-01
2.00E+02	1.08E-04	1.02E-01	5.17E-05	2.96E-01
3.00E+02	2.72E-05	8.65E-02	1.03E-05	2.39E-01
4.00E+02	6.68E-06	7.06E-02	2.07E-06	1.92E-01
5.00E+02	1.60E-06	5.68E-02	4.15E-07	1.54E-01
6.00E+02	3.75E-07	4.56E-02	8.31E-08	1.23E-01
7.00E+02	8.63E-08	3.65E-02	1.66E-08	9.87E-02
8.00E+02	1.96E-08	2.93E-02	0.00E+00	7.91E-02

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	7.14E-02	2.76E-01	2.35E-01	5.64E-02	6.39E-01
2.00E-01	7.38E-02	2.65E-01	1.97E-01	1.02E-01	6.38E-01
3.00E-01	7.70E-02	2.56E-01	1.66E-01	1.38E-01	6.37E-01
4.00E-01	8.04E-02	2.47E-01	1.39E-01	1.68E-01	6.35E-01
5.00E-01	8.36E-02	2.40E-01	1.17E-01	1.91E-01	6.32E-01
6.00E-01	8.64E-02	2.33E-01	9.86E-02	2.09E-01	6.27E-01
7.00E-01	8.88E-02	2.27E-01	8.29E-02	2.23E-01	6.21E-01
8.00E-01	9.09E-02	2.21E-01	6.97E-02	2.32E-01	6.14E-01
9.00E-01	9.26E-02	2.16E-01	5.86E-02	2.38E-01	6.05E-01
1.00E+00	9.40E-02	2.11E-01	4.93E-02	2.41E-01	5.95E-01
2.00E+00	9.86E-02	1.77E-01	8.72E-03	1.82E-01	4.67E-01
3.00E+00	9.68E-02	1.60E-01	1.54E-03	1.01E-01	3.59E-01
4.00E+00	9.37E-02	1.50E-01	2.72E-04	5.09E-02	2.95E-01
5.00E+00	9.06E-02	1.45E-01	4.82E-05	2.53E-02	2.61E-01
6.00E+00	8.76E-02	1.41E-01	8.51E-06	1.31E-02	2.41E-01
7.00E+00	8.49E-02	1.38E-01	1.51E-06	7.26E-03	2.30E-01
8.00E+00	8.24E-02	1.36E-01	2.66E-07	4.51E-03	2.23E-01
9.00E+00	8.02E-02	1.34E-01	4.70E-08	3.18E-03	2.17E-01
1.00E+01	7.82E-02	1.32E-01	0.00E+00	2.53E-03	2.13E-01
2.00E+01	6.53E-02	1.16E-01	0.00E+00	1.69E-03	1.83E-01
3.00E+01	5.75E-02	1.02E-01	0.00E+00	1.47E-03	1.61E-01
4.00E+01	5.12E-02	9.01E-02	0.00E+00	1.28E-03	1.43E-01
5.00E+01	4.57E-02	7.93E-02	0.00E+00	1.11E-03	1.26E-01
6.00E+01	4.08E-02	6.98E-02	0.00E+00	9.70E-04	1.12E-01
7.00E+01	3.65E-02	6.14E-02	0.00E+00	8.44E-04	9.87E-02
8.00E+01	3.26E-02	5.40E-02	0.00E+00	7.35E-04	8.74E-02
9.00E+01	2.92E-02	4.75E-02	0.00E+00	6.40E-04	7.73E-02
1.00E+02	2.61E-02	4.18E-02	0.00E+00	5.57E-04	6.84E-02
2.00E+02	8.45E-03	1.15E-02	0.00E+00	1.39E-04	2.01E-02
3.00E+02	2.68E-03	3.15E-03	0.00E+00	3.48E-05	5.86E-03
4.00E+02	8.26E-04	8.55E-04	0.00E+00	8.71E-06	1.69E-03
5.00E+02	2.48E-04	2.31E-04	0.00E+00	2.18E-06	4.81E-04
6.00E+02	7.28E-05	6.19E-05	0.00E+00	5.44E-07	1.35E-04
7.00E+02	2.10E-05	1.65E-05	0.00E+00	1.36E-07	3.77E-05
8.00E+02	5.96E-06	4.40E-06	0.00E+00	3.40E-08	1.04E-05
9.00E+02	1.67E-06	1.16E-06	0.00E+00	0.00E+00	2.83E-06
1.00E+03	4.63E-07	3.08E-07	0.00E+00	0.00E+00	7.71E-07

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		3.88E-04		8.01E-06
2.00E-01		8.47E-04		1.60E-04
3.00E-01		1.32E-03		8.04E-04
4.00E-01		1.81E-03		2.33E-03
5.00E-01		2.32E-03		5.04E-03
6.00E-01		2.85E-03		9.13E-03
7.00E-01		3.38E-03		1.47E-02
8.00E-01		3.93E-03		2.16E-02
9.00E-01		4.48E-03		2.98E-02
1.00E+00	5.05E-03	5.05E-03	3.93E-02	3.93E-02
2.00E+00	5.63E-03	1.07E-02	1.23E-01	1.62E-01
3.00E+00	5.27E-03	1.59E-02	1.02E-01	2.64E-01
4.00E+00	4.76E-03	2.07E-02	5.92E-02	3.23E-01
5.00E+00	4.27E-03	2.50E-02	3.04E-02	3.54E-01
6.00E+00	3.83E-03	2.88E-02	1.52E-02	3.69E-01
7.00E+00	3.45E-03	3.22E-02	7.81E-03	3.77E-01
8.00E+00	3.13E-03	3.54E-02	4.31E-03	3.81E-01
9.00E+00	2.85E-03	3.82E-02	2.65E-03	3.84E-01
1.00E+01	2.61E-03	4.08E-02	1.85E-03	3.85E-01
2.00E+01	1.48E-03	5.94E-02	9.77E-04	3.97E-01
3.00E+01	1.17E-03	7.23E-02	8.50E-04	4.06E-01
4.00E+01	1.02E-03	8.31E-02	7.40E-04	4.13E-01
5.00E+01	9.10E-04	9.27E-02	6.44E-04	4.20E-01
6.00E+01	8.13E-04	1.01E-01	5.61E-04	4.26E-01
7.00E+01	7.26E-04	1.09E-01	4.88E-04	4.32E-01
8.00E+01	6.49E-04	1.16E-01	4.25E-04	4.36E-01
9.00E+01	5.81E-04	1.22E-01	3.70E-04	4.40E-01
1.00E+02	5.19E-04	1.27E-01	3.22E-04	4.43E-01
2.00E+02	1.68E-04	1.58E-01	8.05E-05	4.61E-01
3.00E+02	5.30E-05	1.68E-01	2.01E-05	4.65E-01
4.00E+02	1.62E-05	1.71E-01	5.03E-06	4.66E-01
5.00E+02	4.85E-06	1.72E-01	1.26E-06	4.66E-01
6.00E+02	1.42E-06	1.73E-01	3.14E-07	4.66E-01
7.00E+02	4.08E-07	1.73E-01	7.86E-08	4.66E-01
8.00E+02	1.15E-07	1.73E-01	1.97E-08	4.66E-01
9.00E+02	3.23E-08	1.73E-01	0.00E+00	4.66E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	7.18E-02	2.76E-01	2.35E-01	5.64E-02	6.39E-01
2.00E-01	7.46E-02	2.65E-01	1.97E-01	1.02E-01	6.39E-01
3.00E-01	7.83E-02	2.56E-01	1.66E-01	1.38E-01	6.38E-01
4.00E-01	8.22E-02	2.47E-01	1.39E-01	1.68E-01	6.37E-01
5.00E-01	8.59E-02	2.40E-01	1.17E-01	1.91E-01	6.34E-01
6.00E-01	8.92E-02	2.33E-01	9.86E-02	2.09E-01	6.30E-01
7.00E-01	9.21E-02	2.26E-01	8.29E-02	2.23E-01	6.24E-01
8.00E-01	9.47E-02	2.21E-01	6.97E-02	2.32E-01	6.17E-01
9.00E-01	9.70E-02	2.15E-01	5.86E-02	2.38E-01	6.09E-01
1.00E+00	9.89E-02	2.11E-01	4.93E-02	2.41E-01	5.99E-01
2.00E+00	1.09E-01	1.77E-01	8.71E-03	1.82E-01	4.77E-01
3.00E+00	1.12E-01	1.60E-01	1.54E-03	1.01E-01	3.74E-01
4.00E+00	1.14E-01	1.50E-01	2.72E-04	5.07E-02	3.15E-01
5.00E+00	1.15E-01	1.44E-01	4.80E-05	2.52E-02	2.84E-01
6.00E+00	1.16E-01	1.40E-01	8.48E-06	1.30E-02	2.69E-01
7.00E+00	1.16E-01	1.37E-01	1.50E-06	7.22E-03	2.61E-01
8.00E+00	1.17E-01	1.35E-01	2.65E-07	4.48E-03	2.56E-01
9.00E+00	1.17E-01	1.33E-01	4.67E-08	3.16E-03	2.54E-01
1.00E+01	1.18E-01	1.31E-01	0.00E+00	2.51E-03	2.52E-01
2.00E+01	1.22E-01	1.15E-01	0.00E+00	1.67E-03	2.38E-01
3.00E+01	1.26E-01	1.00E-01	0.00E+00	1.44E-03	2.27E-01
4.00E+01	1.29E-01	8.76E-02	0.00E+00	1.24E-03	2.18E-01
5.00E+01	1.32E-01	7.65E-02	0.00E+00	1.08E-03	2.09E-01
6.00E+01	1.34E-01	6.69E-02	0.00E+00	9.30E-04	2.01E-01
7.00E+01	1.35E-01	5.84E-02	0.00E+00	8.04E-04	1.95E-01
8.00E+01	1.37E-01	5.10E-02	0.00E+00	6.95E-04	1.89E-01
9.00E+01	1.38E-01	4.46E-02	0.00E+00	6.01E-04	1.83E-01
1.00E+02	1.39E-01	3.90E-02	0.00E+00	5.19E-04	1.78E-01
2.00E+02	1.36E-01	1.00E-02	0.00E+00	1.21E-04	1.46E-01
3.00E+02	1.26E-01	2.55E-03	0.00E+00	2.82E-05	1.29E-01
4.00E+02	1.14E-01	6.46E-04	0.00E+00	6.57E-06	1.15E-01
5.00E+02	1.03E-01	1.62E-04	0.00E+00	1.53E-06	1.03E-01
6.00E+02	9.29E-02	4.06E-05	0.00E+00	3.57E-07	9.30E-02
7.00E+02	8.37E-02	1.01E-05	0.00E+00	8.31E-08	8.37E-02
8.00E+02	7.54E-02	2.50E-06	0.00E+00	1.94E-08	7.54E-02
9.00E+02	6.78E-02	6.18E-07	0.00E+00	0.00E+00	6.78E-02
1.00E+03	6.11E-02	1.52E-07	0.00E+00	0.00E+00	6.11E-02
2.00E+03	2.14E-02	0.00E+00	0.00E+00	0.00E+00	2.14E-02
4.00E+03	2.62E-03	0.00E+00	0.00E+00	0.00E+00	2.62E-03
5.00E+03	9.17E-04	0.00E+00	0.00E+00	0.00E+00	9.17E-04
7.00E+03	1.12E-04	0.00E+00	0.00E+00	0.00E+00	1.12E-04
8.00E+03	3.93E-05	0.00E+00	0.00E+00	0.00E+00	3.93E-05
9.00E+03	1.38E-05	0.00E+00	0.00E+00	0.00E+00	1.38E-05
1.00E+04	4.81E-06	0.00E+00	0.00E+00	0.00E+00	4.81E-06

CLASS W

AMAD = 1 MICRON

HALFLIFE= 9.86E+02 DAYS

IRON 55

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		2.11E-06		8.01E-06
2.00E-01		4.65E-06		1.60E-04
3.00E-01		7.29E-06		8.04E-04
4.00E-01		1.01E-05		2.33E-03
5.00E-01		1.30E-05		5.04E-03
6.00E-01		1.60E-05		9.12E-03
7.00E-01		1.92E-05		1.46E-02
8.00E-01		2.24E-05		2.16E-02
9.00E-01		2.57E-05		2.98E-02
1.00E+00	2.91E-05	2.91E-05	3.92E-02	3.92E-02
2.00E+00	3.64E-05	6.55E-05	1.22E-01	1.62E-01
3.00E+00	3.84E-05	1.04E-04	1.02E-01	2.64E-01
4.00E+00	3.92E-05	1.43E-04	5.90E-02	3.22E-01
5.00E+00	3.97E-05	1.83E-04	3.03E-02	3.52E-01
6.00E+00	3.99E-05	2.22E-04	1.51E-02	3.67E-01
7.00E+00	4.02E-05	2.62E-04	7.77E-03	3.75E-01
8.00E+00	4.04E-05	3.03E-04	4.29E-03	3.79E-01
9.00E+00	4.06E-05	3.43E-04	2.63E-03	3.81E-01
1.00E+01	4.07E-05	3.83E-04	1.84E-03	3.83E-01
2.00E+01	4.22E-05	7.95E-04	9.63E-04	3.91E-01
3.00E+01	4.35E-05	1.22E-03	8.32E-04	3.97E-01
4.00E+01	4.46E-05	1.65E-03	7.19E-04	4.02E-01
5.00E+01	4.55E-05	2.09E-03	6.22E-04	4.06E-01
6.00E+01	4.63E-05	2.53E-03	5.37E-04	4.09E-01
7.00E+01	4.69E-05	2.98E-03	4.65E-04	4.11E-01
8.00E+01	4.74E-05	3.43E-03	4.02E-04	4.12E-01
9.00E+01	4.77E-05	3.88E-03	3.47E-04	4.13E-01
1.00E+02	4.80E-05	4.33E-03	3.00E-04	4.13E-01
2.00E+02	4.72E-05	8.67E-03	6.99E-05	4.00E-01
3.00E+02	4.36E-05	1.25E-02	1.63E-05	3.77E-01
4.00E+02	3.96E-05	1.56E-02	3.80E-06	3.52E-01
5.00E+02	3.57E-05	1.82E-02	8.85E-07	3.28E-01
6.00E+02	3.22E-05	2.03E-02	2.06E-07	3.06E-01
7.00E+02	2.90E-05	2.18E-02	4.80E-08	2.85E-01
8.00E+02	2.61E-05	2.30E-02	1.12E-08	2.66E-01
9.00E+02	2.35E-05	2.38E-02	0.00E+00	2.48E-01
1.00E+03	2.12E-05	2.44E-02	0.00E+00	2.31E-01
2.00E+03	7.41E-06	2.09E-02	0.00E+00	1.14E-01
4.00E+03	9.08E-07	7.74E-03	0.00E+00	2.80E-02
5.00E+03	3.18E-07	4.21E-03	0.00E+00	1.39E-02
7.00E+03	3.89E-08	1.14E-03	0.00E+00	3.39E-03

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	7.17E-02	2.76E-01	2.34E-01	5.63E-02	6.38E-01
2.00E-01	7.44E-02	2.64E-01	1.97E-01	1.01E-01	6.37E-01
3.00E-01	7.80E-02	2.55E-01	1.65E-01	1.38E-01	6.35E-01
4.00E-01	8.17E-02	2.46E-01	1.39E-01	1.67E-01	6.33E-01
5.00E-01	8.52E-02	2.38E-01	1.16E-01	1.90E-01	6.29E-01
6.00E-01	8.84E-02	2.31E-01	9.77E-02	2.07E-01	6.24E-01
7.00E-01	9.12E-02	2.24E-01	8.20E-02	2.20E-01	6.18E-01
8.00E-01	9.36E-02	2.18E-01	6.89E-02	2.29E-01	6.10E-01
9.00E-01	9.57E-02	2.13E-01	5.78E-02	2.35E-01	6.01E-01
1.00E+00	9.75E-02	2.07E-01	4.86E-02	2.37E-01	5.91E-01
2.00E+00	1.06E-01	1.72E-01	8.45E-03	1.76E-01	4.63E-01
3.00E+00	1.07E-01	1.53E-01	1.47E-03	9.63E-02	3.58E-01
4.00E+00	1.07E-01	1.41E-01	2.56E-04	4.78E-02	2.97E-01
5.00E+00	1.07E-01	1.34E-01	4.46E-05	2.34E-02	2.64E-01
6.00E+00	1.06E-01	1.28E-01	7.75E-06	1.19E-02	2.46E-01
7.00E+00	1.05E-01	1.24E-01	1.35E-06	6.51E-03	2.35E-01
8.00E+00	1.04E-01	1.20E-01	2.35E-07	3.98E-03	2.28E-01
9.00E+00	1.03E-01	1.16E-01	4.09E-08	2.77E-03	2.22E-01
1.00E+01	1.02E-01	1.13E-01	0.00E+00	2.17E-03	2.17E-01
2.00E+01	9.07E-02	8.51E-02	0.00E+00	1.24E-03	1.77E-01
3.00E+01	8.06E-02	6.41E-02	0.00E+00	9.22E-04	1.46E-01
4.00E+01	7.11E-02	4.83E-02	0.00E+00	6.87E-04	1.20E-01
5.00E+01	6.26E-02	3.64E-02	0.00E+00	5.12E-04	9.95E-02
6.00E+01	5.48E-02	2.74E-02	0.00E+00	3.81E-04	8.26E-02
7.00E+01	4.79E-02	2.06E-02	0.00E+00	2.84E-04	6.88E-02
8.00E+01	4.17E-02	1.55E-02	0.00E+00	2.12E-04	5.74E-02
9.00E+01	3.62E-02	1.17E-02	0.00E+00	1.58E-04	4.80E-02
1.00E+02	3.14E-02	8.81E-03	0.00E+00	1.17E-04	4.03E-02
2.00E+02	6.97E-03	5.12E-04	0.00E+00	6.19E-06	7.49E-03
3.00E+02	1.46E-03	2.95E-05	0.00E+00	3.26E-07	1.49E-03
4.00E+02	2.99E-04	1.69E-06	0.00E+00	1.72E-08	3.01E-04
5.00E+02	6.11E-05	9.62E-08	0.00E+00	0.00E+00	6.12E-05
6.00E+02	1.25E-05	0.00E+00	0.00E+00	0.00E+00	1.25E-05
7.00E+02	2.54E-06	0.00E+00	0.00E+00	0.00E+00	2.54E-06
8.00E+02	5.17E-07	0.00E+00	0.00E+00	0.00E+00	5.17E-07
9.00E+02	1.05E-07	0.00E+00	0.00E+00	0.00E+00	1.05E-07
1.00E+03	2.14E-08	0.00E+00	0.00E+00	0.00E+00	2.14E-08

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		2.11E-06		8.00E-06
2.00E-01		4.63E-06		1.60E-04
3.00E-01		7.26E-06		8.00E-04
4.00E-01		1.00E-05		2.31E-03
5.00E-01		1.29E-05		5.00E-03
6.00E-01		1.59E-05		9.04E-03
7.00E-01		1.90E-05		1.45E-02
8.00E-01		2.21E-05		2.13E-02
9.00E-01		2.54E-05		2.94E-02
1.00E+00	2.87E-05	2.87E-05	3.87E-02	3.87E-02
2.00E+00	3.53E-05	6.35E-05	1.19E-01	1.57E-01
3.00E+00	3.68E-05	9.93E-05	9.76E-02	2.52E-01
4.00E+00	3.70E-05	1.35E-04	5.56E-02	3.04E-01
5.00E+00	3.68E-05	1.69E-04	2.81E-02	3.27E-01
6.00E+00	3.65E-05	2.03E-04	1.38E-02	3.36E-01
7.00E+00	3.62E-05	2.36E-04	7.00E-03	3.38E-01
8.00E+00	3.58E-05	2.69E-04	3.80E-03	3.36E-01
9.00E+00	3.55E-05	3.00E-04	2.30E-03	3.33E-01
1.00E+01	3.51E-05	3.30E-04	1.58E-03	3.30E-01
2.00E+01	3.14E-05	5.91E-04	7.15E-04	2.90E-01
3.00E+01	2.79E-05	7.80E-04	5.33E-04	2.54E-01
4.00E+01	2.46E-05	9.10E-04	3.97E-04	2.22E-01
5.00E+01	2.17E-05	9.93E-04	2.96E-04	1.93E-01
6.00E+01	1.90E-05	1.04E-03	2.20E-04	1.68E-01
7.00E+01	1.66E-05	1.05E-03	1.64E-04	1.45E-01
8.00E+01	1.44E-05	1.04E-03	1.22E-04	1.26E-01
9.00E+01	1.25E-05	1.02E-03	9.11E-05	1.08E-01
1.00E+02	1.09E-05	9.79E-04	6.79E-05	9.35E-02
2.00E+02	2.42E-06	4.44E-04	3.58E-06	2.05E-02
3.00E+02	5.05E-07	1.44E-04	1.89E-07	4.36E-03
4.00E+02	1.04E-07	4.10E-05	0.00E+00	9.21E-04
5.00E+02	2.12E-08	1.08E-05	0.00E+00	1.94E-04

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	6.71E-02	2.76E-01	2.34E-01	5.67E-02	6.34E-01
2.00E-01	6.41E-02	2.65E-01	1.97E-01	1.03E-01	6.29E-01
3.00E-01	6.19E-02	2.55E-01	1.65E-01	1.42E-01	6.24E-01
4.00E-01	6.02E-02	2.46E-01	1.39E-01	1.73E-01	6.18E-01
5.00E-01	5.86E-02	2.38E-01	1.17E-01	1.98E-01	6.11E-01
6.00E-01	5.73E-02	2.31E-01	9.81E-02	2.17E-01	6.04E-01
7.00E-01	5.59E-02	2.25E-01	8.24E-02	2.31E-01	5.95E-01
8.00E-01	5.47E-02	2.19E-01	6.92E-02	2.41E-01	5.84E-01
9.00E-01	5.34E-02	2.14E-01	5.81E-02	2.48E-01	5.73E-01
1.00E+00	5.23E-02	2.09E-01	4.88E-02	2.51E-01	5.60E-01
2.00E+00	4.36E-02	1.74E-01	8.55E-03	1.89E-01	4.15E-01
3.00E+00	3.89E-02	1.55E-01	1.50E-03	1.04E-01	3.00E-01
4.00E+00	3.59E-02	1.44E-01	2.62E-04	5.20E-02	2.33E-01
5.00E+00	3.36E-02	1.38E-01	4.59E-05	2.56E-02	1.97E-01
6.00E+00	3.17E-02	1.33E-01	8.03E-06	1.31E-02	1.78E-01
7.00E+00	3.00E-02	1.29E-01	1.41E-06	7.19E-03	1.66E-01
8.00E+00	2.85E-02	1.26E-01	2.46E-07	4.41E-03	1.59E-01
9.00E+00	2.71E-02	1.23E-01	4.31E-08	3.08E-03	1.53E-01
1.00E+01	2.59E-02	1.20E-01	0.00E+00	2.42E-03	1.48E-01
2.00E+01	1.85E-02	9.55E-02	0.00E+00	1.46E-03	1.16E-01
3.00E+01	1.53E-02	7.63E-02	0.00E+00	1.16E-03	9.27E-02
4.00E+01	1.33E-02	6.09E-02	0.00E+00	9.12E-04	7.51E-02
5.00E+01	1.17E-02	4.86E-02	0.00E+00	7.20E-04	6.10E-02
6.00E+01	1.04E-02	3.88E-02	0.00E+00	5.68E-04	4.98E-02
7.00E+01	9.30E-03	3.09E-02	0.00E+00	4.49E-04	4.07E-02
8.00E+01	8.29E-03	2.47E-02	0.00E+00	3.54E-04	3.33E-02
9.00E+01	7.38E-03	1.97E-02	0.00E+00	2.80E-04	2.73E-02
1.00E+02	6.57E-03	1.57E-02	0.00E+00	2.21E-04	2.25E-02
2.00E+02	2.05E-03	1.63E-03	0.00E+00	2.07E-05	3.70E-03
3.00E+02	6.60E-04	1.67E-04	0.00E+00	1.95E-06	8.29E-04
4.00E+02	2.19E-04	1.70E-05	0.00E+00	1.83E-07	2.37E-04
5.00E+02	7.43E-05	1.73E-06	0.00E+00	1.72E-08	7.60E-05
6.00E+02	2.54E-05	1.74E-07	0.00E+00	0.00E+00	2.56E-05
7.00E+02	8.73E-06	1.75E-08	0.00E+00	0.00E+00	8.75E-06
8.00E+02	3.00E-06	0.00E+00	0.00E+00	0.00E+00	3.00E-06
9.00E+02	1.03E-06	0.00E+00	0.00E+00	0.00E+00	1.03E-06
1.00E+03	3.56E-07	0.00E+00	0.00E+00	0.00E+00	3.56E-07

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	24-HOUR URINE	ACCUMULATED URINE	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		3.35E-03		8.4 E-04
2.00E-01		6.86E-03		1.83E-03
3.00E-01		1.00E-02		3.05E-03
4.00E-01		1.29E-02		4.81E-03
5.00E-01		1.55E-02		7.3 E-03
6.00E-01		1.80E-02		1.07E-02
7.00E-01		2.01E-02		1.50E-02
8.00E-01		2.22E-02		2.03E-02
9.00E-01		2.40E-02		2.64E-02
1.00E+00	2.56E-02	2.55E-02	3.33E-02	3.33E-02
2.00E+00	1.08E-02	3.63E-02	8.73E-02	1.20E-01
3.00E+00	4.99E-03	4.09E-02	7.13E-02	1.90E-01
4.00E+00	2.94E-03	4.34E-02	4.10E-02	2.29E-01
5.00E+00	2.16E-03	4.52E-02	2.10E-02	2.48E-01
6.00E+00	1.79E-03	4.65E-02	1.06E-02	2.56E-01
7.00E+00	1.56E-03	4.75E-02	5.55E-03	2.59E-01
8.00E+00	1.40E-03	4.86E-02	3.17E-03	2.60E-01
9.00E+00	1.27E-03	4.94E-02	2.03E-03	2.59E-01
1.00E+01	1.15E-03	5.01E-02	1.47E-03	2.59E-01
2.00E+01	5.47E-04	5.26E-02	7.00E-04	2.43E-01
3.00E+01	3.37E-04	5.17E-02	5.30E-04	2.26E-01
4.00E+01	2.46E-04	4.96E-02	4.13E-04	2.09E-01
5.00E+01	1.94E-04	4.70E-02	3.26E-04	1.93E-01
6.00E+01	1.58E-04	4.42E-02	2.59E-04	1.70E-01
7.00E+01	1.29E-04	4.15E-02	2.05E-04	1.63E-01
8.00E+01	1.06E-04	3.87E-02	1.63E-04	1.50E-01
9.00E+01	8.77E-05	3.60E-02	1.30E-04	1.37E-01
1.00E+02	7.23E-05	3.35E-02	1.03E-04	1.25E-01
2.00E+02	1.04E-05	1.43E-02	1.06E-05	4.93E-02
3.00E+02	1.60E-06	5.62E-03	1.15E-06	1.87E-02
4.00E+02	2.93E-07	2.16E-03	1.43E-07	7.1 E-03
5.00E+02	6.85E-08	8.18E-04	2.37E-08	2.66E-03
6.00E+02	1.97E-08	3.10E-04	0.00E+00	1.00E-03

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	6.72E-02	2.76E-01	2.35E-01	5.68E-02	6.35E-01
2.00E-01	6.42E-02	2.65E-01	1.97E-01	1.04E-01	6.30E-01
3.00E-01	6.21E-02	2.56E-01	1.66E-01	1.42E-01	6.26E-01
4.00E-01	6.04E-02	2.47E-01	1.39E-01	1.73E-01	6.21E-01
5.00E-01	5.89E-02	2.40E-01	1.17E-01	1.99E-01	6.14E-01
6.00E-01	5.76E-02	2.33E-01	9.86E-02	2.18E-01	6.07E-01
7.00E-01	5.63E-02	2.27E-01	8.29E-02	2.33E-01	5.99E-01
8.00E-01	5.51E-02	2.21E-01	6.97E-02	2.43E-01	5.89E-01
9.00E-01	5.39E-02	2.16E-01	5.86E-02	2.50E-01	5.78E-01
1.00E+00	5.28E-02	2.11E-01	4.93E-02	2.53E-01	5.66E-01
2.00E+00	4.44E-02	1.77E-01	8.72E-03	1.93E-01	4.23E-01
3.00E+00	4.00E-02	1.60E-01	1.54E-03	1.07E-01	3.08E-01
4.00E+00	3.73E-02	1.50E-01	2.72E-04	5.40E-02	2.42E-01
5.00E+00	3.53E-02	1.45E-01	4.82E-05	2.69E-02	2.07E-01
6.00E+00	3.36E-02	1.41E-01	8.51E-06	1.39E-02	1.88E-01
7.00E+00	3.21E-02	1.38E-01	1.51E-06	7.70E-03	1.78E-01
8.00E+00	3.08E-02	1.36E-01	2.66E-07	4.77E-03	1.71E-01
9.00E+00	2.96E-02	1.34E-01	4.70E-08	3.36E-03	1.67E-01
1.00E+01	2.86E-02	1.32E-01	0.00E+00	2.67E-03	1.63E-01
2.00E+01	2.26E-02	1.16E-01	0.00E+00	1.78E-03	1.41E-01
3.00E+01	2.05E-02	1.02E-01	0.00E+00	1.55E-03	1.24E-01
4.00E+01	1.96E-02	9.01E-02	0.00E+00	1.35E-03	1.11E-01
5.00E+01	1.92E-02	7.93E-02	0.00E+00	1.17E-03	9.96E-02
6.00E+01	1.88E-02	6.98E-02	0.00E+00	1.02E-03	8.96E-02
7.00E+01	1.85E-02	6.14E-02	0.00E+00	8.90E-04	8.07E-02
8.00E+01	1.81E-02	5.40E-02	0.00E+00	7.75E-04	7.29E-02
9.00E+01	1.78E-02	4.75E-02	0.00E+00	6.75E-04	6.60E-02
1.00E+02	1.75E-02	4.18E-02	0.00E+00	5.87E-04	5.99E-02
2.00E+02	1.45E-02	1.15E-02	0.00E+00	1.47E-04	2.62E-02
3.00E+02	1.25E-02	3.15E-03	0.00E+00	3.67E-05	1.56E-02
4.00E+02	1.10E-02	8.55E-04	0.00E+00	9.18E-06	1.19E-02
5.00E+02	9.93E-03	2.31E-04	0.00E+00	2.29E-06	1.02E-02
6.00E+02	9.04E-03	6.19E-05	0.00E+00	5.74E-07	9.10E-03
7.00E+02	8.27E-03	1.65E-05	0.00E+00	1.43E-07	8.28E-03
8.00E+02	7.57E-03	4.40E-06	0.00E+00	3.58E-08	7.58E-03
9.00E+02	6.94E-03	1.16E-06	0.00E+00	0.00E+00	6.94E-03
1.00E+03	6.36E-03	3.08E-07	0.00E+00	0.00E+00	6.36E-03
2.00E+03	2.68E-03	0.00E+00	0.00E+00	0.00E+00	2.68E-03
4.00E+03	4.73E-04	0.00E+00	0.00E+00	0.00E+00	4.73E-04
5.00E+03	1.99E-04	0.00E+00	0.00E+00	0.00E+00	1.99E-04
6.00E+03	8.37E-05	0.00E+00	0.00E+00	0.00E+00	8.37E-05
7.00E+03	3.52E-05	0.00E+00	0.00E+00	0.00E+00	3.52E-05
8.00E+03	1.48E-05	0.00E+00	0.00E+00	0.00E+00	1.48E-05
9.00E+03	6.22E-06	0.00E+00	0.00E+00	0.00E+00	6.22E-06
1.00E+04	2.62E-06	0.00E+00	0.00E+00	0.00E+00	2.62E-06

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	24-HOUR URINE	ACCUMULATED URINE	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		3.35E-03		8.47E-04
2.00E-01		6.88E-03		1.83E-03
3.00E-01		1.01E-03		3.06E-03
4.00E-01		1.29E-02		4.83E-03
5.00E-01		1.57E-02		7.33E-03
6.00E-01		1.81E-02		1.07E-02
7.00E-01		2.02E-02		1.51E-02
8.00E-01		2.23E-02		2.05E-02
9.00E-01		2.42E-02		2.67E-02
1.00E+00	2.59E-02	2.59E-02	3.37E-02	3.37E-02
2.00E+00	1.10E-02	3.69E-02	8.87E-02	1.23E-01
3.00E+00	5.14E-03	4.21E-02	7.33E-01	1.96E-01
4.00E+00	3.05E-03	4.51E-02	4.27E-02	2.39E-01
5.00E+00	2.26E-03	4.73E-02	2.21E-02	2.61E-01
6.00E+00	1.90E-03	4.93E-02	1.12E-02	2.72E-01
7.00E+00	1.68E-03	5.10E-02	5.95E-03	2.78E-01
8.00E+00	1.52E-03	5.25E-02	3.43E-03	2.81E-01
9.00E+00	1.38E-03	5.38E-02	2.22E-03	2.83E-01
1.00E+01	1.28E-03	5.52E-02	1.63E-03	2.85E-01
2.00E+01	6.66E-04	6.40E-02	8.53E-01	2.95E-01
3.00E+01	4.53E-04	6.94E-02	7.13E-01	3.03E-01
4.00E+01	3.65E-04	7.33E-02	6.11E-04	3.09E-01
5.00E+01	3.17E-04	7.67E-02	5.33E-04	3.15E-01
6.00E+01	2.83E-04	7.97E-02	4.65E-04	3.20E-01
7.00E+01	2.57E-04	8.23E-02	4.07E-04	3.24E-01
8.00E+01	2.33E-04	8.48E-02	3.57E-04	3.28E-01
9.00E+01	2.11E-04	8.70E-02	3.13E-04	3.31E-01
1.00E+02	1.92E-04	8.90E-02	2.75E-04	3.34E-01
2.00E+02	7.37E-05	1.01E-01	7.53E-05	3.49E-01
3.00E+02	3.01E-05	1.06E-01	2.17E-05	3.54E-01
4.00E+02	1.46E-05	1.08E-01	7.20E-06	3.55E-01
5.00E+02	9.15E-06	1.09E-01	3.17E-06	3.55E-01
6.00E+02	6.99E-06	1.10E-01	1.97E-06	3.56E-01
7.00E+02	5.95E-06	1.11E-01	1.55E-06	3.56E-01
8.00E+02	5.33E-06	1.11E-01	1.35E-06	3.56E-01
9.00E+02	4.83E-06	1.12E-01	1.21E-06	3.56E-01
1.00E+03	4.42E-06	1.12E-01	1.11E-06	3.56E-01
2.00E+03	1.85E-06	1.15E-01	4.64E-07	3.57E-01
3.00E+03	7.81E-07	1.17E-01	1.95E-07	3.57E-01
4.00E+03	3.28E-07	1.17E-01	8.20E-08	3.57E-01
5.00E+03	1.38E-07	1.18E-01	3.45E-08	3.57E-01
6.00E+03	5.79E-08	1.18E-01	1.45E-08	3.57E-01
7.00E+03	2.43E-08	1.18E-01	0.00E+00	3.57E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	6.72E-02	2.76E-01	2.35E-01	5.68E-02	6.35E-01
2.00E-01	6.42E-02	2.65E-01	1.97E-01	1.04E-01	6.30E-01
3.00E-01	6.21E-02	2.56E-01	1.66E-01	1.42E-01	6.26E-01
4.00E-01	6.04E-02	2.47E-01	1.39E-01	1.73E-01	6.20E-01
5.00E-01	5.89E-02	2.40E-01	1.17E-01	1.99E-01	6.14E-01
6.00E-01	5.76E-02	2.33E-01	9.86E-02	2.18E-01	6.07E-01
7.00E-01	5.63E-02	2.26E-01	8.29E-02	2.33E-01	5.99E-01
8.00E-01	5.51E-02	2.21E-01	6.97E-02	2.43E-01	5.89E-01
9.00E-01	5.39E-02	2.16E-01	5.86E-02	2.50E-01	5.78E-01
1.00E+00	5.28E-02	2.11E-01	4.93E-02	2.53E-01	5.66E-01
2.00E+00	4.44E-02	1.77E-01	8.71E-03	1.93E-01	4.23E-01
3.00E+00	4.00E-02	1.60E-01	1.54E-03	1.07E-01	3.08E-01
4.00E+00	3.73E-02	1.50E-01	2.72E-04	5.40E-02	2.42E-01
5.00E+00	3.52E-02	1.44E-01	4.81E-05	2.68E-02	2.06E-01
6.00E+00	3.35E-02	1.41E-01	8.50E-06	1.38E-02	1.88E-01
7.00E+00	3.20E-02	1.38E-01	1.50E-06	7.68E-03	1.77E-01
8.00E+00	3.07E-02	1.35E-01	2.65E-07	4.76E-03	1.71E-01
9.00E+00	2.95E-02	1.33E-01	4.69E-08	3.35E-03	1.66E-01
1.00E+01	2.84E-02	1.32E-01	0.00E+00	2.66E-03	1.63E-01
2.00E+01	2.24E-02	1.15E-01	0.00E+00	1.77E-03	1.40E-01
3.00E+01	2.03E-02	1.01E-01	0.00E+00	1.53E-03	1.23E-01
4.00E+01	1.94E-02	8.88E-02	0.00E+00	1.33E-03	1.09E-01
5.00E+01	1.88E-02	7.78E-02	0.00E+00	1.15E-03	9.78E-02
6.00E+01	1.84E-02	6.83E-02	0.00E+00	1.00E-03	8.77E-02
7.00E+01	1.80E-02	5.98E-02	0.00E+00	8.68E-04	7.87E-02
8.00E+01	1.76E-02	5.25E-02	0.00E+00	7.53E-04	7.08E-02
9.00E+01	1.72E-02	4.60E-02	0.00E+00	6.53E-04	6.39E-02
1.00E+02	1.69E-02	4.03E-02	0.00E+00	5.67E-04	5.77E-02
2.00E+02	1.35E-02	1.07E-02	0.00E+00	1.37E-04	2.44E-02
3.00E+02	1.12E-02	2.83E-03	0.00E+00	3.29E-05	1.40E-02
4.00E+02	9.54E-03	7.41E-04	0.00E+00	7.95E-06	1.03E-02
5.00E+02	8.29E-03	1.93E-04	0.00E+00	1.92E-06	8.49E-03
6.00E+02	7.28E-03	4.99E-05	0.00E+00	4.62E-07	7.33E-03
7.00E+02	6.42E-03	1.28E-05	0.00E+00	1.11E-07	6.44E-03
8.00E+02	5.68E-03	3.29E-06	0.00E+00	2.69E-08	5.68E-03
9.00E+02	5.02E-03	8.42E-07	0.00E+00	0.00E+00	5.02E-03
1.00E+03	4.44E-03	2.15E-07	0.00E+00	0.00E+00	4.44E-03
2.00E+03	1.30E-03	0.00E+00	0.00E+00	0.00E+00	1.30E-03
4.00E+03	1.12E-04	0.00E+00	0.00E+00	0.00E+00	1.12E-04
5.00E+03	3.28E-05	0.00E+00	0.00E+00	0.00E+00	3.28E-05
7.00E+03	2.83E-06	0.00E+00	0.00E+00	0.00E+00	2.83E-06
8.00E+03	8.29E-07	0.00E+00	0.00E+00	0.00E+00	8.29E-07
9.00E+03	2.43E-07	0.00E+00	0.00E+00	0.00E+00	2.43E-07
1.00E+04	7.13E-08	0.00E+00	0.00E+00	0.00E+00	7.13E-08

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	24-HOUR URINE	ACCUMULATED URINE	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		3.35E-03		8.47E-04
2.00E-01		7.09E-03		1.83E-03
3.00E-01		1.01E-03		3.06E-03
4.00E-01		1.29E-02		4.82E-03
5.00E-01		1.57E-02		7.33E-03
6.00E-01		1.81E-02		1.07E-02
7.00E-01		2.02E-02		1.51E-02
8.00E-01		2.23E-02		2.05E-02
9.00E-01		2.42E-02		2.67E-02
1.00E+00	2.59E-02	2.59E-02	3.36E-02	3.36E-02
2.00E+00	1.10E-02	3.69E-02	8.87E-02	1.22E-01
3.00E+00	5.13E-03	4.21E-02	7.33E-02	1.95E-01
4.00E+00	3.05E-03	4.50E-02	4.26E-02	2.38E-01
5.00E+00	2.26E-03	4.73E-02	2.20E-02	2.60E-01
6.00E+00	1.90E-03	4.91E-02	1.12E-02	2.71E-01
7.00E+00	1.67E-03	5.09E-02	5.93E-03	2.77E-01
8.00E+00	1.51E-03	5.23E-02	3.42E-03	2.81E-01
9.00E+00	1.38E-03	5.37E-02	2.21E-03	2.83E-01
1.00E+01	1.27E-03	5.50E-02	1.62E-03	2.84E-01
2.00E+01	6.62E-04	6.35E-02	8.47E-04	2.93E-01
3.00E+01	4.48E-04	6.86E-02	7.07E-04	2.99E-01
4.00E+01	3.59E-04	7.22E-02	6.03E-04	3.05E-01
5.00E+01	3.11E-04	7.53E-02	5.23E-04	3.09E-01
6.00E+01	2.78E-04	7.79E-02	4.55E-04	3.13E-01
7.00E+01	2.50E-04	8.02E-02	3.97E-04	3.16E-01
8.00E+01	2.26E-04	8.24E-02	3.47E-04	3.19E-01
9.00E+01	2.05E-04	8.42E-02	3.03E-04	3.21E-01
1.00E+02	1.85E-04	8.58E-02	2.65E-04	3.23E-01
2.00E+02	6.86E-05	9.43E-02	7.00E-05	3.25E-01
3.00E+02	2.70E-05	9.52E-02	1.95E-05	3.17E-01
4.00E+02	1.27E-05	9.37E-02	6.24E-06	3.07E-01
5.00E+02	7.65E-06	9.13E-02	2.65E-06	2.97E-01
6.00E+02	5.63E-06	8.87E-02	1.59E-06	2.87E-01
7.00E+02	4.63E-06	8.61E-02	1.20E-06	2.77E-01
8.00E+02	3.99E-06	8.34E-02	1.01E-06	2.67E-01
9.00E+02	3.50E-06	8.09E-02	8.73E-07	2.57E-01
1.00E+03	3.09E-06	7.83E-02	7.73E-07	2.49E-01
2.00E+03	9.03E-07	5.61E-02	2.25E-07	1.74E-01
3.00E+03	2.65E-07	3.95E-02	6.62E-08	1.21E-01
4.00E+03	7.76E-08	2.77E-02	1.94E-08	8.47E-02
5.00E+03	2.27E-08	2.24E-02	0.00E+00	5.90E-02

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	6.08E-02	2.76E-01	2.35E-01	5.68E-02	6.29E-01
2.00E-01	5.25E-02	2.65E-01	1.97E-01	1.04E-01	6.19E-01
3.00E-01	4.68E-02	2.56E-01	1.66E-01	1.42E-01	6.10E-01
4.00E-01	4.26E-02	2.47E-01	1.39E-01	1.73E-01	6.03E-01
5.00E-01	3.95E-02	2.40E-01	1.17E-01	1.99E-01	5.95E-01
6.00E-01	3.72E-02	2.33E-01	9.86E-02	2.18E-01	5.87E-01
7.00E-01	3.54E-02	2.27E-01	8.29E-02	2.33E-01	5.78E-01
8.00E-01	3.39E-02	2.21E-01	6.97E-02	2.43E-01	5.68E-01
9.00E-01	3.28E-02	2.16E-01	5.86E-02	2.50E-01	5.57E-01
1.00E+00	3.19E-02	2.11E-01	4.93E-02	2.53E-01	5.45E-01
2.00E+00	2.85E-02	1.77E-01	8.72E-03	1.93E-01	4.07E-01
3.00E+00	2.82E-02	1.60E-01	1.54E-03	1.07E-01	2.97E-01
4.00E+00	2.83E-02	1.50E-01	2.72E-04	5.40E-02	2.33E-01
5.00E+00	2.85E-02	1.45E-01	4.82E-05	2.69E-02	2.00E-01
6.00E+00	2.86E-02	1.41E-01	8.51E-06	1.39E-02	1.83E-01
7.00E+00	2.88E-02	1.38E-01	1.51E-06	7.70E-03	1.75E-01
8.00E+00	2.89E-02	1.36E-01	2.66E-07	4.77E-03	1.70E-01
9.00E+00	2.91E-02	1.34E-01	4.70E-08	3.36E-03	1.66E-01
1.00E+01	2.92E-02	1.32E-01	0.00E+00	2.67E-03	1.64E-01
2.00E+01	3.06E-02	1.16E-01	0.00E+00	1.78E-03	1.49E-01
3.00E+01	3.17E-02	1.02E-01	0.00E+00	1.55E-03	1.36E-01
4.00E+01	3.28E-02	9.01E-02	0.00E+00	1.35E-03	1.24E-01
5.00E+01	3.37E-02	7.93E-02	0.00E+00	1.17E-03	1.14E-01
6.00E+01	3.45E-02	6.98E-02	0.00E+00	1.02E-03	1.05E-01
7.00E+01	3.52E-02	6.14E-02	0.00E+00	8.90E-04	9.75E-02
8.00E+01	3.58E-02	5.40E-02	0.00E+00	7.75E-04	9.06E-02
9.00E+01	3.63E-02	4.75E-02	0.00E+00	6.75E-04	8.45E-02
1.00E+02	3.68E-02	4.18E-02	0.00E+00	5.87E-04	7.91E-02
2.00E+02	3.83E-02	1.15E-02	0.00E+00	1.47E-04	4.99E-02
3.00E+02	3.72E-02	3.15E-03	0.00E+00	3.67E-05	4.04E-02
4.00E+02	3.55E-02	8.55E-04	0.00E+00	9.18E-06	3.64E-02
5.00E+02	3.36E-02	2.31E-04	0.00E+00	2.29E-06	3.38E-02
6.00E+02	3.17E-02	6.19E-05	0.00E+00	5.74E-07	3.18E-02
7.00E+02	3.00E-02	1.65E-05	0.00E+00	1.43E-07	3.00E-02
8.00E+02	2.83E-02	4.40E-06	0.00E+00	3.58E-08	2.83E-02
9.00E+02	2.67E-02	1.16E-06	0.00E+00	0.00E+00	2.67E-02
1.00E+03	2.52E-02	3.08E-07	0.00E+00	0.00E+00	2.52E-02
2.00E+03	1.41E-02	0.00E+00	0.00E+00	0.00E+00	1.41E-02
4.00E+03	4.46E-03	0.00E+00	0.00E+00	0.00E+00	4.46E-03
5.00E+03	2.50E-03	0.00E+00	0.00E+00	0.00E+00	2.50E-03
7.00E+03	7.88E-04	0.00E+00	0.00E+00	0.00E+00	7.88E-04
8.00E+03	4.43E-04	0.00E+00	0.00E+00	0.00E+00	4.43E-04
9.00E+03	2.48E-04	0.00E+00	0.00E+00	0.00E+00	2.48E-04
1.00E+04	1.39E-04	0.00E+00	0.00E+00	0.00E+00	1.39E-04
2.00E+04	4.33E-07	0.00E+00	0.00E+00	0.00E+00	4.33E-07

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		1.05E-02		8.06E-06
2.00E-01		2.03E-02		1.62E-04
3.00E-01		2.79E-02		8.17E-04
4.00E-01		3.40E-02		2.38E-03
5.00E-01		3.89E-02		5.16E-03
6.00E-01		4.30E-02		9.38E-03
7.00E-01		4.63E-02		1.51E-02
8.00E-01		4.91E-02		2.23E-02
9.00E-01		5.14E-02		3.09E-02
1.00E+00	5.33E-02	5.33E-02	4.07E-02	4.07E-02
2.00E+00	8.77E-03	6.21E-02	1.29E-01	1.70E-01
3.00E+00	2.32E-03	6.44E-02	1.08E-01	2.78E-01
4.00E+00	1.01E-03	6.54E-02	6.28E-02	3.41E-01
5.00E+00	6.52E-04	6.61E-02	3.23E-02	3.73E-01
6.00E+00	5.18E-04	6.66E-02	1.61E-02	3.89E-01
7.00E+00	4.57E-04	6.70E-02	8.29E-03	3.98E-01
8.00E+00	4.26E-04	6.75E-02	4.57E-03	4.02E-01
9.00E+00	4.09E-04	6.79E-02	2.81E-03	4.05E-01
1.00E+01	3.99E-04	6.83E-02	1.96E-03	4.07E-01
2.00E+01	3.58E-04	7.20E-02	1.03E-03	4.19E-01
3.00E+01	3.25E-04	7.54E-02	8.97E-04	4.28E-01
4.00E+01	2.96E-04	7.85E-02	7.81E-04	4.36E-01
5.00E+01	2.69E-04	8.13E-02	6.80E-04	4.44E-01
6.00E+01	2.45E-04	8.39E-02	5.92E-04	4.50E-01
7.00E+01	2.22E-04	8.62E-02	5.15E-04	4.55E-01
8.00E+01	2.02E-04	8.83E-02	4.48E-04	4.60E-01
9.00E+01	1.84E-04	9.02E-02	3.90E-04	4.64E-01
1.00E+02	1.67E-04	9.20E-02	3.40E-04	4.68E-01
2.00E+02	6.92E-05	1.03E-01	8.50E-05	4.86E-01
3.00E+02	3.59E-05	1.08E-01	2.12E-05	4.91E-01
4.00E+02	2.48E-05	1.11E-01	5.31E-06	4.92E-01
5.00E+02	2.06E-05	1.13E-01	1.33E-06	4.92E-01
6.00E+02	1.87E-05	1.15E-01	3.32E-07	4.92E-01
7.00E+02	1.74E-05	1.17E-01	8.30E-08	4.92E-01
8.00E+02	1.64E-05	1.18E-01	2.07E-08	4.92E-01
9.00E+02	1.54E-05	1.20E-01	0.00E+00	4.92E-01
1.00E+03	1.46E-05	1.22E-01	0.00E+00	4.92E-01
2.00E+03	8.17E-06	1.33E-01	0.00E+00	4.92E-01
4.00E+03	2.58E-06	1.42E-01	0.00E+00	4.92E-01
8.00E+03	2.56E-07	1.46E-01	0.00E+00	4.92E-01
1.00E+04	8.05E-08	1.47E-01	0.00E+00	4.92E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	7.72E-02	2.76E-01	2.35E-01	5.08E-02	6.39E-01
2.00E-01	9.59E-02	2.65E-01	1.97E-01	8.03E-02	6.39E-01
3.00E-01	1.18E-01	2.56E-01	1.66E-01	9.89E-02	6.38E-01
4.00E-01	1.38E-01	2.47E-01	1.39E-01	1.12E-01	6.37E-01
5.00E-01	1.56E-01	2.40E-01	1.17E-01	1.22E-01	6.35E-01
6.00E-01	1.71E-01	2.33E-01	9.86E-02	1.29E-01	6.31E-01
7.00E-01	1.84E-01	2.27E-01	8.29E-02	1.34E-01	6.28E-01
8.00E-01	1.95E-01	2.21E-01	6.97E-02	1.37E-01	6.23E-01
9.00E-01	2.05E-01	2.16E-01	5.86E-02	1.38E-01	6.17E-01
1.00E+00	2.13E-01	2.11E-01	4.93E-02	1.38E-01	6.11E-01
2.00E+00	2.53E-01	1.77E-01	8.72E-03	9.86E-02	5.38E-01
3.00E+00	2.63E-01	1.60E-01	1.54E-03	5.38E-02	4.78E-01
4.00E+00	2.65E-01	1.50E-01	2.72E-04	2.70E-02	4.42E-01
5.00E+00	2.63E-01	1.45E-01	4.82E-05	1.35E-02	4.22E-01
6.00E+00	2.61E-01	1.41E-01	8.51E-06	6.98E-03	4.09E-01
7.00E+00	2.58E-01	1.38E-01	1.51E-06	3.92E-03	4.00E-01
8.00E+00	2.55E-01	1.36E-01	2.66E-07	2.46E-03	3.94E-01
9.00E+00	2.52E-01	1.34E-01	4.70E-08	1.76E-03	3.88E-01
1.00E+01	2.49E-01	1.32E-01	0.00E+00	1.41E-03	3.82E-01
2.00E+01	2.19E-01	1.16E-01	0.00E+00	9.57E-04	3.36E-01
3.00E+01	1.92E-01	1.02E-01	0.00E+00	8.33E-04	2.95E-01
4.00E+01	1.69E-01	9.01E-02	0.00E+00	7.25E-04	2.60E-01
5.00E+01	1.48E-01	7.93E-02	0.00E+00	6.31E-04	2.28E-01
6.00E+01	1.31E-01	6.98E-02	0.00E+00	5.50E-04	2.01E-01
7.00E+01	1.15E-01	6.14E-02	0.00E+00	4.78E-04	1.77E-01
8.00E+01	1.01E-01	5.40E-02	0.00E+00	4.17E-04	1.56E-01
9.00E+01	8.91E-02	4.75E-02	0.00E+00	3.63E-04	1.37E-01
1.00E+02	7.84E-02	4.18E-02	0.00E+00	3.16E-04	1.21E-01
2.00E+02	2.22E-02	1.15E-02	0.00E+00	7.89E-05	3.38E-02
3.00E+02	6.33E-03	3.15E-03	0.00E+00	1.97E-05	9.50E-03
4.00E+02	1.80E-03	8.55E-04	0.00E+00	4.93E-06	2.66E-03
5.00E+02	5.08E-04	2.31E-04	0.00E+00	1.23E-06	7.40E-04
6.00E+02	1.42E-04	6.19E-05	0.00E+00	3.08E-07	2.04E-04
7.00E+02	3.95E-05	1.65E-05	0.00E+00	7.71E-08	5.61E-05
8.00E+02	1.09E-05	4.40E-06	0.00E+00	1.93E-08	1.53E-05
9.00E+02	2.97E-06	1.16E-06	0.00E+00	0.00E+00	4.14E-06
1.00E+03	8.07E-07	3.08E-07	0.00E+00	0.00E+00	1.11E-06

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		1.08E-04		7.37E-06
2.00E-01		2.57E-04		1.37E-04
3.00E-01		4.42E-04		6.46E-04
4.00E-01		6.64E-04		1.78E-03
5.00E-01		9.19E-04		3.68E-03
6.00E-01		1.20E-03		6.43E-03
7.00E-01		1.51E-03		1.00E-02
8.00E-01		1.84E-03		1.44E-02
9.00E-01		2.19E-03		1.95E-02
1.00E+00	2.55E-03	2.55E-03	2.52E-02	2.52E-02
2.00E+00	4.12E-03	6.67E-03	6.94E-02	9.46E-02
3.00E+00	4.49E-03	1.12E-02	5.52E-02	1.50E-01
4.00E+00	4.58E-03	1.57E-02	3.14E-02	1.81E-01
5.00E+00	4.58E-03	2.03E-02	1.60E-02	1.97E-01
6.00E+00	4.55E-03	2.49E-02	8.02E-03	2.05E-01
7.00E+00	4.50E-03	2.94E-02	4.14E-03	2.09E-01
8.00E+00	4.45E-03	3.38E-02	2.30E-03	2.12E-01
9.00E+00	4.39E-03	3.82E-02	1.43E-03	2.13E-01
1.00E+01	4.34E-03	4.25E-02	1.01E-03	2.14E-01
2.00E+01	3.81E-03	8.30E-02	5.42E-04	2.20E-01
3.00E+01	3.35E-03	1.19E-01	4.72E-04	2.25E-01
4.00E+01	2.94E-03	1.50E-01	4.11E-04	2.30E-01
5.00E+01	2.59E-03	1.77E-01	3.57E-04	2.34E-01
6.00E+01	2.28E-03	2.01E-01	3.11E-04	2.37E-01
7.00E+01	2.00E-03	2.23E-01	2.71E-04	2.40E-01
8.00E+01	1.76E-03	2.41E-01	2.36E-04	2.42E-01
9.00E+01	1.55E-03	2.58E-01	2.05E-04	2.44E-01
1.00E+02	1.37E-03	2.72E-01	1.79E-04	2.46E-01
2.00E+02	3.87E-04	3.49E-01	4.47E-05	2.56E-01
3.00E+02	1.10E-04	3.71E-01	1.12E-05	2.58E-01
4.00E+02	3.14E-05	3.78E-01	2.79E-06	2.59E-01
5.00E+02	8.85E-06	3.79E-01	6.98E-07	2.59E-01
6.00E+02	2.48E-06	3.80E-01	1.75E-07	2.59E-01
7.00E+02	6.88E-07	3.80E-01	4.36E-08	2.59E-01
8.00E+02	1.89E-07	3.80E-01	1.09E-08	2.59E-01
9.00E+02	5.18E-08	3.80E-01	0.00E+00	2.59E-01
1.00E+03	1.41E-08	3.80E-01	0.00E+00	2.59E-01

CLASS W

AMAD = 1 MICRON

STABLE

GALLIUM 69

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	6.97E-02	2.76E-01	2.35E-01	5.72E-02	6.38E-01
2.00E-01	6.84E-02	2.65E-01	1.97E-01	1.05E-01	6.36E-01
3.00E-01	6.72E-02	2.56E-01	1.66E-01	1.45E-01	6.34E-01
4.00E-01	6.60E-02	2.47E-01	1.39E-01	1.79E-01	6.31E-01
5.00E-01	6.50E-02	2.40E-01	1.17E-01	2.06E-01	6.27E-01
6.00E-01	6.39E-02	2.33E-01	9.86E-02	2.27E-01	6.22E-01
7.00E-01	6.30E-02	2.27E-01	8.29E-02	2.43E-01	6.15E-01
8.00E-01	6.21E-02	2.21E-01	6.97E-02	2.54E-01	6.07E-01
9.00E-01	6.13E-02	2.16E-01	5.86E-02	2.61E-01	5.97E-01
1.00E+00	6.05E-02	2.11E-01	4.93E-02	2.65E-01	5.86E-01
2.00E+00	5.49E-02	1.77E-01	8.72E-03	2.03E-01	4.44E-01
3.00E+00	5.19E-02	1.60E-01	1.54E-03	1.13E-01	3.27E-01
4.00E+00	5.03E-02	1.50E-01	2.72E-04	5.72E-02	2.58E-01
5.00E+00	4.93E-02	1.45E-01	4.82E-05	2.85E-02	2.22E-01
6.00E+00	4.86E-02	1.41E-01	8.51E-06	1.47E-02	2.04E-01
7.00E+00	4.81E-02	1.38E-01	1.51E-06	8.13E-03	1.94E-01
8.00E+00	4.77E-02	1.36E-01	2.66E-07	5.03E-03	1.89E-01
9.00E+00	4.73E-02	1.34E-01	4.70E-08	3.54E-03	1.85E-01
1.00E+01	4.70E-02	1.32E-01	0.00E+00	2.81E-03	1.82E-01
2.00E+01	4.39E-02	1.16E-01	0.00E+00	1.87E-03	1.62E-01
3.00E+01	4.09E-02	1.02E-01	0.00E+00	1.63E-03	1.45E-01
4.00E+01	3.80E-02	9.01E-02	0.00E+00	1.42E-03	1.29E-01
5.00E+01	3.53E-02	7.93E-02	0.00E+00	1.23E-03	1.16E-01
6.00E+01	3.27E-02	6.98E-02	0.00E+00	1.07E-03	1.04E-01
7.00E+01	3.03E-02	6.14E-02	0.00E+00	9.35E-04	9.26E-02
8.00E+01	2.80E-02	5.40E-02	0.00E+00	8.14E-04	8.28E-02
9.00E+01	2.58E-02	4.75E-02	0.00E+00	7.09E-04	7.40E-02
1.00E+02	2.38E-02	4.18E-02	0.00E+00	6.17E-04	6.62E-02
2.00E+02	9.80E-03	1.15E-02	0.00E+00	1.54E-04	2.15E-02
3.00E+02	3.67E-03	3.15E-03	0.00E+00	3.86E-05	6.86E-03
4.00E+02	1.29E-03	8.55E-04	0.00E+00	9.64E-06	2.16E-03
5.00E+02	4.32E-04	2.31E-04	0.00E+00	2.41E-06	6.65E-04
6.00E+02	1.39E-04	6.19E-05	0.00E+00	6.03E-07	2.02E-04
7.00E+02	4.37E-05	1.65E-05	0.00E+00	1.51E-07	6.04E-05
8.00E+02	1.34E-05	4.40E-06	0.00E+00	3.77E-08	1.78E-05
9.00E+02	4.04E-06	1.16E-06	0.00E+00	0.00E+00	5.20E-06
1.00E+03	1.20E-06	3.08E-07	0.00E+00	0.00E+00	1.50E-06

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		1.29E-03		8.10E-06
2.00E-01		2.70E-03		1.64E-04
3.00E-01		4.03E-03		8.29E-04
4.00E-01		5.27E-03		2.42E-03
5.00E-01		6.44E-03		5.28E-03
6.00E-01		7.53E-03		9.61E-03
7.00E-01		8.56E-03		1.55E-02
8.00E-01		9.53E-03		2.30E-02
9.00E-01		1.04E-02		3.19E-02
1.00E+00	1.13E-02	1.13E-02	4.21E-02	4.21E-02
2.00E+00	6.20E-03	1.75E-02	1.35E-01	1.77E-01
3.00E+00	3.52E-03	2.10E-02	1.14E-01	2.92E-01
4.00E+00	2.18E-03	2.32E-02	6.64E-02	3.58E-01
5.00E+00	1.50E-03	2.47E-02	3.41E-02	3.92E-01
6.00E+00	1.16E-03	2.58E-02	1.71E-02	4.09E-01
7.00E+00	9.82E-04	2.68E-02	8.77E-03	4.18E-01
8.00E+00	8.91E-04	2.77E-02	4.83E-03	4.23E-01
9.00E+00	8.43E-04	2.86E-02	2.96E-03	4.26E-01
1.00E+01	8.16E-04	2.94E-02	2.07E-03	4.28E-01
2.00E+01	7.39E-04	3.70E-02	1.08E-03	4.40E-01
3.00E+01	6.85E-04	4.41E-02	9.43E-04	4.50E-01
4.00E+01	6.35E-04	5.07E-02	8.21E-04	4.59E-01
5.00E+01	5.87E-04	5.68E-02	7.15E-04	4.67E-01
6.00E+01	5.42E-04	6.24E-02	6.22E-04	4.73E-01
7.00E+01	4.99E-04	6.76E-02	5.42E-04	4.79E-01
8.00E+01	4.60E-04	7.23E-02	4.72E-04	4.84E-01
9.00E+01	4.22E-04	7.67E-02	4.11E-04	4.88E-01
1.00E+02	3.88E-04	8.08E-02	3.57E-04	4.92E-01
2.00E+02	1.55E-04	1.06E-01	8.94E-05	5.11E-01
3.00E+02	5.70E-05	1.16E-01	2.23E-05	5.16E-01
4.00E+02	1.97E-05	1.20E-01	5.59E-06	5.17E-01
5.00E+02	6.53E-06	1.21E-01	1.40E-06	5.18E-01
6.00E+02	2.09E-06	1.21E-01	3.49E-07	5.18E-01
7.00E+02	6.50E-07	1.21E-01	8.73E-08	5.18E-01
8.00E+02	1.98E-07	1.21E-01	2.18E-08	5.18E-01
9.00E+02	5.94E-08	1.21E-01	0.00E+00	5.18E-01
1.00E+03	1.75E-08	1.21E-01	0.00E+00	5.18E-01

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	7.07E-02	2.76E-01	2.35E-01	5.08E-02	6.32E-01
2.00E-01	8.18E-02	2.65E-01	1.97E-01	8.03E-02	6.25E-01
3.00E-01	9.53E-02	2.56E-01	1.66E-01	9.89E-02	6.16E-01
4.00E-01	1.07E-01	2.47E-01	1.39E-01	1.12E-01	6.06E-01
5.00E-01	1.16E-01	2.40E-01	1.17E-01	1.22E-01	5.95E-01
6.00E-01	1.22E-01	2.33E-01	9.86E-02	1.29E-01	5.83E-01
7.00E-01	1.27E-01	2.27E-01	8.29E-02	1.34E-01	5.70E-01
8.00E-01	1.30E-01	2.21E-01	6.97E-02	1.37E-01	5.57E-01
9.00E-01	1.31E-01	2.16E-01	5.86E-02	1.38E-01	5.44E-01
1.00E+00	1.32E-01	2.11E-01	4.93E-02	1.38E-01	5.30E-01
2.00E+00	1.22E-01	1.77E-01	8.72E-03	9.86E-02	4.07E-01
3.00E+00	1.08E-01	1.60E-01	1.54E-03	5.38E-02	3.23E-01
4.00E+00	9.64E-02	1.50E-01	2.72E-04	2.70E-02	2.74E-01
5.00E+00	8.78E-02	1.45E-01	4.82E-05	1.35E-02	2.46E-01
6.00E+00	8.08E-02	1.41E-01	8.51E-06	6.98E-03	2.29E-01
7.00E+00	7.51E-02	1.38E-01	1.51E-06	3.92E-03	2.17E-01
8.00E+00	7.00E-02	1.36E-01	2.66E-07	2.46E-03	2.08E-01
9.00E+00	6.55E-02	1.34E-01	4.70E-08	1.76E-03	2.01E-01
1.00E+01	6.14E-02	1.32E-01	0.00E+00	1.41E-03	1.95E-01
2.00E+01	3.37E-02	1.16E-01	0.00E+00	9.57E-04	1.51E-01
3.00E+01	1.95E-02	1.02E-01	0.00E+00	8.33E-04	1.23E-01
4.00E+01	1.22E-02	9.01E-02	0.00E+00	7.25E-04	1.03E-01
5.00E+01	8.21E-03	7.93E-02	0.00E+00	6.31E-04	8.81E-02
6.00E+01	5.99E-03	6.98E-02	0.00E+00	5.50E-04	7.63E-02
7.00E+01	4.67E-03	6.14E-02	0.00E+00	4.78E-04	6.65E-02
8.00E+01	3.81E-03	5.40E-02	0.00E+00	4.17E-04	5.82E-02
9.00E+01	3.22E-03	4.75E-02	0.00E+00	3.63E-04	5.11E-02
1.00E+02	2.77E-03	4.18E-02	0.00E+00	3.16E-04	4.49E-02
2.00E+02	7.79E-04	1.15E-02	0.00E+00	7.89E-05	1.24E-02
3.00E+02	2.23E-04	3.15E-03	0.00E+00	1.97E-05	3.39E-03
4.00E+02	6.28E-05	8.55E-04	0.00E+00	4.93E-06	9.23E-04
5.00E+02	1.75E-05	2.31E-04	0.00E+00	1.23E-06	2.49E-04
6.00E+02	4.81E-06	6.19E-05	0.00E+00	3.08E-07	6.70E-05
7.00E+02	1.31E-06	1.65E-05	0.00E+00	7.71E-08	1.79E-05
8.00E+02	3.55E-07	4.40E-06	0.00E+00	1.93E-08	4.77E-06
9.00E+02	9.58E-08	1.16E-06	0.00E+00	0.00E+00	1.26E-06
1.00E+03	2.57E-08	3.08E-07	0.00E+00	0.00E+00	3.33E-07

CLASS W

AMAD = 1 MICRON

STABLE

ARSENIC 75

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		6.67E-03		7.37E-06
2.00E-01		1.44E-02		1.37E-04
3.00E-01		2.27E-02		6.46E-04
4.00E-01		3.16E-02		1.78E-03
5.00E-01		4.08E-02		3.68E-03
6.00E-01		5.00E-02		6.43E-03
7.00E-01		5.90E-02		1.00E-02
8.00E-01		6.77E-02		1.44E-02
9.00E-01		7.59E-02		1.95E-02
1.00E+00	8.36E-02	8.36E-02	2.52E-02	2.52E-02
2.00E+00	5.44E-02	1.38E-01	6.94E-02	9.46E-02
3.00E+00	2.85E-02	1.67E-01	5.52E-02	1.50E-01
4.00E+00	1.74E-02	1.84E-01	3.14E-02	1.81E-01
5.00E+00	1.20E-02	1.96E-01	1.60E-02	1.97E-01
6.00E+00	9.13E-03	2.05E-01	8.02E-03	2.05E-01
7.00E+00	7.45E-03	2.13E-01	4.14E-03	2.09E-01
8.00E+00	6.41E-03	2.19E-01	2.30E-03	2.12E-01
9.00E+00	5.72E-03	2.25E-01	1.43E-03	2.13E-01
1.00E+01	5.23E-03	2.30E-01	1.01E-03	2.14E-01
2.00E+01	2.96E-03	2.68E-01	5.42E-04	2.20E-01
3.00E+01	1.89E-03	2.91E-01	4.72E-04	2.25E-01
4.00E+01	1.30E-03	3.06E-01	4.11E-04	2.30E-01
5.00E+01	9.69E-04	3.17E-01	3.57E-04	2.34E-01
6.00E+01	7.66E-04	3.26E-01	3.11E-04	2.37E-01
7.00E+01	6.33E-04	3.33E-01	2.71E-04	2.40E-01
8.00E+01	5.37E-04	3.39E-01	2.36E-04	2.42E-01
9.00E+01	4.64E-04	3.44E-01	2.05E-04	2.44E-01
1.00E+02	4.05E-04	3.48E-01	1.79E-04	2.46E-01
2.00E+02	1.16E-04	3.71E-01	4.47E-05	2.56E-01
3.00E+02	3.32E-05	3.77E-01	1.12E-05	2.58E-01
4.00E+02	9.34E-06	3.79E-01	2.79E-06	2.59E-01
5.00E+02	2.59E-06	3.80E-01	6.98E-07	2.59E-01
6.00E+02	7.14E-07	3.80E-01	1.75E-07	2.59E-01
7.00E+02	1.95E-07	3.80E-01	4.36E-08	2.59E-01
8.00E+02	5.27E-08	3.80E-01	1.09E-08	2.59E-01
9.00E+02	1.42E-08	3.80E-01	0.00E+00	2.59E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	8.83E-02	2.76E-01	2.35E-01	3.96E-02	6.39E-01
2.00E-01	1.26E-01	2.65E-01	1.97E-01	4.96E-02	6.38E-01
3.00E-01	1.62E-01	2.56E-01	1.66E-01	5.37E-02	6.38E-01
4.00E-01	1.93E-01	2.47E-01	1.39E-01	5.64E-02	6.36E-01
5.00E-01	2.20E-01	2.40E-01	1.17E-01	5.84E-02	6.35E-01
6.00E-01	2.42E-01	2.33E-01	9.86E-02	5.96E-02	6.33E-01
7.00E-01	2.61E-01	2.27E-01	8.29E-02	6.02E-02	6.30E-01
8.00E-01	2.77E-01	2.21E-01	6.97E-02	6.02E-02	6.28E-01
9.00E-01	2.91E-01	2.16E-01	5.86E-02	5.98E-02	6.25E-01
1.00E+00	3.02E-01	2.11E-01	4.93E-02	5.89E-02	6.21E-01
2.00E+00	3.57E-01	1.77E-01	8.72E-03	3.95E-02	5.83E-01
3.00E+00	3.69E-01	1.60E-01	1.54E-03	2.12E-02	5.51E-01
4.00E+00	3.69E-01	1.50E-01	2.72E-04	1.06E-02	5.30E-01
5.00E+00	3.65E-01	1.45E-01	4.82E-05	5.30E-03	5.15E-01
6.00E+00	3.61E-01	1.41E-01	8.51E-06	2.77E-03	5.05E-01
7.00E+00	3.56E-01	1.38E-01	1.51E-06	1.57E-03	4.96E-01
8.00E+00	3.52E-01	1.36E-01	2.66E-07	1.00E-03	4.89E-01
9.00E+00	3.48E-01	1.34E-01	4.70E-08	7.29E-04	4.82E-01
1.00E+01	3.44E-01	1.32E-01	0.00E+00	5.93E-04	4.76E-01
2.00E+01	3.13E-01	1.16E-01	0.00E+00	4.09E-04	4.30E-01
3.00E+01	2.91E-01	1.02E-01	0.00E+00	3.56E-04	3.93E-01
4.00E+01	2.71E-01	9.01E-02	0.00E+00	3.10E-04	3.62E-01
5.00E+01	2.54E-01	7.93E-02	0.00E+00	2.70E-04	3.34E-01
6.00E+01	2.39E-01	6.98E-02	0.00E+00	2.35E-04	3.09E-01
7.00E+01	2.26E-01	6.14E-02	0.00E+00	2.04E-04	2.87E-01
8.00E+01	2.13E-01	5.40E-02	0.00E+00	1.78E-04	2.67E-01
9.00E+01	2.02E-01	4.75E-02	0.00E+00	1.55E-04	2.50E-01
1.00E+02	1.92E-01	4.18E-02	0.00E+00	1.35E-04	2.34E-01
2.00E+02	1.19E-01	1.15E-02	0.00E+00	3.37E-05	1.31E-01
3.00E+02	7.57E-02	3.15E-03	0.00E+00	8.43E-06	7.89E-02
4.00E+02	4.80E-02	8.55E-04	0.00E+00	2.11E-06	4.88E-02
5.00E+02	3.03E-02	2.31E-04	0.00E+00	5.27E-07	3.05E-02
6.00E+02	1.91E-02	6.19E-05	0.00E+00	1.32E-07	1.92E-02
7.00E+02	1.20E-02	1.65E-05	0.00E+00	3.29E-08	1.21E-02
8.00E+02	7.58E-03	4.40E-06	0.00E+00	0.00E+00	7.59E-03
9.00E+02	4.78E-03	1.16E-06	0.00E+00	0.00E+00	4.78E-03
1.00E+03	3.01E-03	3.08E-07	0.00E+00	0.00E+00	3.01E-03
2.00E+03	2.97E-05	0.00E+00	0.00E+00	0.00E+00	2.97E-05
3.00E+03	2.92E-07	0.00E+00	0.00E+00	0.00E+00	2.92E-07

CLASS W

AMAD = 1 MICRON

STABLE

SELENIUM 78

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		2.28E-04		5.74E-06
2.00E-01		5.94E-04		9.01E-05
3.00E-01		1.09E-03		3.78E-04
4.00E-01		1.69E-03		9.61E-04
5.00E-01		2.38E-03		1.88E-03
6.00E-01		3.14E-03		3.15E-03
7.00E-01		3.97E-03		4.75E-03
8.00E-01		4.85E-03		6.65E-03
9.00E-01		5.77E-03		8.82E-03
1.00E+00	6.72E-03	6.72E-03	1.12E-02	1.12E-02
2.00E+00	1.03E-02	1.70E-02	2.80E-02	3.92E-02
3.00E+00	1.01E-02	2.71E-02	2.16E-02	6.08E-02
4.00E+00	9.26E-03	3.63E-02	1.22E-02	7.30E-02
5.00E+00	8.39E-03	4.47E-02	6.19E-03	7.91E-02
6.00E+00	7.61E-03	5.23E-02	3.10E-03	8.22E-02
7.00E+00	6.94E-03	5.93E-02	1.60E-03	8.38E-02
8.00E+00	6.38E-03	6.56E-02	8.95E-04	8.47E-02
9.00E+00	5.91E-03	7.16E-02	5.59E-04	8.53E-02
1.00E+01	5.53E-03	7.71E-02	3.97E-04	8.57E-02
2.00E+01	3.82E-03	1.21E-01	2.17E-04	8.81E-02
3.00E+01	3.23E-03	1.56E-01	1.89E-04	9.02E-02
4.00E+01	2.82E-03	1.86E-01	1.64E-04	9.19E-02
5.00E+01	2.49E-03	2.12E-01	1.43E-04	9.34E-02
6.00E+01	2.21E-03	2.35E-01	1.24E-04	9.48E-02
7.00E+01	1.98E-03	2.56E-01	1.08E-04	9.59E-02
8.00E+01	1.78E-03	2.75E-01	9.43E-05	9.69E-02
9.00E+01	1.61E-03	2.92E-01	8.21E-05	9.78E-02
1.00E+02	1.46E-03	3.07E-01	7.14E-05	9.85E-02
2.00E+02	6.79E-04	4.06E-01	1.79E-05	1.02E-01
3.00E+02	3.83E-04	4.57E-01	4.46E-06	1.03E-01
4.00E+02	2.31E-04	4.87E-01	1.12E-06	1.04E-01
5.00E+02	1.43E-04	5.05E-01	2.79E-07	1.04E-01
6.00E+02	8.91E-05	5.16E-01	6.98E-08	1.04E-01
7.00E+02	5.59E-05	5.23E-01	1.74E-08	1.04E-01
8.00E+02	3.52E-05	5.28E-01	0.00E+00	1.04E-01
9.00E+02	2.21E-05	5.31E-01	0.00E+00	1.04E-01
1.00E+03	1.39E-05	5.32E-01	0.00E+00	1.04E-01
2.00E+03	1.37E-07	5.35E-01	0.00E+00	1.04E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	1.07E-01	2.76E-01	2.35E-01	2.10E-02	6.39E-01
2.00E-01	1.55E-01	2.65E-01	1.97E-01	1.96E-02	6.38E-01
3.00E-01	1.98E-01	2.56E-01	1.66E-01	1.68E-02	6.36E-01
4.00E-01	2.34E-01	2.47E-01	1.39E-01	1.43E-02	6.35E-01
5.00E-01	2.64E-01	2.40E-01	1.17E-01	1.22E-02	6.33E-01
6.00E-01	2.89E-01	2.33E-01	9.86E-02	1.05E-02	6.31E-01
7.00E-01	3.11E-01	2.27E-01	8.29E-02	9.01E-03	6.29E-01
8.00E-01	3.29E-01	2.21E-01	6.97E-02	7.77E-03	6.27E-01
9.00E-01	3.44E-01	2.16E-01	5.86E-02	6.72E-03	6.25E-01
1.00E+00	3.56E-01	2.11E-01	4.93E-02	5.83E-03	6.22E-01
2.00E+00	4.08E-01	1.77E-01	8.72E-03	1.66E-03	5.95E-01
3.00E+00	4.05E-01	1.60E-01	1.54E-03	6.39E-04	5.67E-01
4.00E+00	3.89E-01	1.50E-01	2.72E-04	3.08E-04	5.39E-01
5.00E+00	3.68E-01	1.45E-01	4.82E-05	1.74E-04	5.13E-01
6.00E+00	3.47E-01	1.41E-01	8.51E-06	1.12E-04	4.88E-01
7.00E+00	3.27E-01	1.38E-01	1.51E-06	8.16E-05	4.65E-01
8.00E+00	3.07E-01	1.36E-01	2.66E-07	6.63E-05	4.43E-01
9.00E+00	2.88E-01	1.34E-01	4.70E-08	5.83E-05	4.22E-01
1.00E+01	2.71E-01	1.32E-01	0.00E+00	5.40E-05	4.03E-01
2.00E+01	1.47E-01	1.16E-01	0.00E+00	4.38E-05	2.63E-01
3.00E+01	8.34E-02	1.02E-01	0.00E+00	3.82E-05	1.86E-01
4.00E+01	5.05E-02	9.01E-02	0.00E+00	3.32E-05	1.41E-01
5.00E+01	3.30E-02	7.93E-02	0.00E+00	2.89E-05	1.12E-01
6.00E+01	2.33E-02	6.98E-02	0.00E+00	2.52E-05	9.31E-02
7.00E+01	1.77E-02	6.14E-02	0.00E+00	2.19E-05	7.91E-02
8.00E+01	1.41E-02	5.40E-02	0.00E+00	1.91E-05	6.81E-02
9.00E+01	1.17E-02	4.75E-02	0.00E+00	1.66E-05	5.92E-02
1.00E+02	9.95E-03	4.18E-02	0.00E+00	1.45E-05	5.18E-02
2.00E+02	2.64E-03	1.15E-02	0.00E+00	3.61E-06	1.42E-02
3.00E+02	7.27E-04	3.15E-03	0.00E+00	9.04E-07	3.88E-03
4.00E+02	1.99E-04	8.55E-04	0.00E+00	2.26E-07	1.05E-03
5.00E+02	5.39E-05	2.31E-04	0.00E+00	5.65E-08	2.85E-04
6.00E+02	1.45E-05	6.19E-05	0.00E+00	1.41E-08	7.64E-05
7.00E+02	3.90E-06	1.65E-05	0.00E+00	0.00E+00	2.04E-05
8.00E+02	1.04E-06	4.40E-06	0.00E+00	0.00E+00	5.44E-06
9.00E+02	2.76E-07	1.16E-06	0.00E+00	0.00E+00	1.44E-06
1.00E+03	7.32E-08	3.08E-07	0.00E+00	0.00E+00	3.81E-07

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		5.19E-04		6.90E-11
2.00E-01		1.43E-03		7.29E-10
3.00E-01		2.66E-03		2.60E-09
4.00E-01		4.16E-03		6.05E-09
5.00E-01		5.89E-03		1.12E-08
6.00E-01		7.81E-03		1.81E-08
7.00E-01		9.89E-03		2.67E-08
8.00E-01		1.21E-02		3.67E-08
9.00E-01		1.44E-02		4.79E-08
1.00E+00	1.69E-02	1.69E-02	6.02E-08	6.02E-08
2.00E+00	2.70E-02	4.39E-02	1.40E-07	2.00E-07
3.00E+00	2.83E-02	7.22E-02	1.06E-07	3.07E-07
4.00E+00	2.75E-02	9.97E-02	5.95E-08	3.66E-07
5.00E+00	2.62E-02	1.26E-01	3.02E-08	3.96E-07
6.00E+00	2.48E-02	1.51E-01	1.51E-08	4.12E-07
7.00E+00	2.34E-02	1.74E-01	0.00E+00	4.19E-07
8.00E+00	2.20E-02	1.96E-01	0.00E+00	4.24E-07
9.00E+00	2.06E-02	2.17E-01	0.00E+00	4.27E-07
1.00E+01	1.94E-02	2.36E-01	0.00E+00	4.29E-07
2.00E+01	1.05E-02	3.76E-01	0.00E+00	4.41E-07
3.00E+01	5.94E-03	4.53E-01	0.00E+00	4.51E-07
4.00E+01	3.58E-03	4.99E-01	0.00E+00	4.60E-07
5.00E+01	2.33E-03	5.27E-01	0.00E+00	4.67E-07
6.00E+01	1.64E-03	5.46E-01	0.00E+00	4.74E-07
7.00E+01	1.24E-03	5.60E-01	0.00E+00	4.80E-07
8.00E+01	9.88E-04	5.71E-01	0.00E+00	4.85E-07
9.00E+01	8.19E-04	5.80E-01	0.00E+00	4.89E-07
1.00E+02	6.95E-04	5.87E-01	0.00E+00	4.93E-07
2.00E+02	1.84E-04	6.25E-01	0.00E+00	5.12E-07
3.00E+02	5.07E-05	6.35E-01	0.00E+00	5.17E-07
4.00E+02	1.39E-05	6.38E-01	0.00E+00	5.18E-07
5.00E+02	3.76E-06	6.39E-01	0.00E+00	5.18E-07
6.00E+02	1.01E-06	6.39E-01	0.00E+00	5.18E-07
7.00E+02	2.72E-07	6.39E-01	0.00E+00	5.18E-07
8.00E+02	7.25E-08	6.39E-01	0.00E+00	5.18E-07
9.00E+02	1.93E-08	6.39E-01	0.00E+00	5.18E-07

CLASS W

AMAD = 1 MICRON

HALFLIFE= 1.47E+00 DAYS

BROMINE 82

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	1.02E-01	2.64E-01	2.24E-01	2.00E-02	6.09E-01
2.00E-01	1.41E-01	2.41E-01	1.80E-01	1.79E-02	5.80E-01
3.00E-01	1.72E-01	2.22E-01	1.44E-01	1.46E-02	5.53E-01
4.00E-01	1.94E-01	2.05E-01	1.16E-01	1.19E-02	5.26E-01
5.00E-01	2.09E-01	1.89E-01	9.27E-02	9.67E-03	5.00E-01
6.00E-01	2.18E-01	1.75E-01	7.43E-02	7.90E-03	4.76E-01
7.00E-01	2.23E-01	1.63E-01	5.96E-02	6.48E-03	4.52E-01
8.00E-01	2.25E-01	1.51E-01	4.78E-02	5.33E-03	4.30E-01
9.00E-01	2.25E-01	1.41E-01	3.84E-02	4.39E-03	4.09E-01
1.00E+00	2.22E-01	1.32E-01	3.08E-02	3.64E-03	3.88E-01
2.00E+00	1.59E-01	6.90E-02	3.40E-03	6.48E-04	2.32E-01
3.00E+00	9.84E-02	3.88E-02	3.75E-04	1.55E-04	1.38E-01
4.00E+00	5.89E-02	2.28E-02	4.13E-05	4.66E-05	8.18E-02
5.00E+00	3.49E-02	1.37E-02	4.56E-06	1.64E-05	4.86E-02
6.00E+00	2.05E-02	8.32E-03	5.03E-07	6.60E-06	2.88E-02
7.00E+00	1.20E-02	5.09E-03	5.55E-08	3.01E-06	1.71E-02
8.00E+00	7.06E-03	3.13E-03	0.00E+00	1.52E-06	1.02E-02
9.00E+00	4.14E-03	1.92E-03	0.00E+00	8.37E-07	6.06E-03
1.00E+01	2.43E-03	1.18E-03	0.00E+00	4.83E-07	3.61E-03
2.00E+01	1.18E-05	9.32E-06	0.00E+00	0.00E+00	2.11E-05
3.00E+01	5.99E-08	7.35E-08	0.00E+00	0.00E+00	1.33E-07

CLASS W

AMAD = 1 MICRON

HALFLIFE= 1.47E+00 DAYS

BROMINE 82

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		4.95E-04		6.58E-11
2.00E-01		1.30E-03		6.64E-10
3.00E-01		2.31E-03		2.26E-09
4.00E-01		3.44E-03		5.01E-09
5.00E-01		4.65E-03		8.87E-09
6.00E-01		5.88E-03		1.37E-08
7.00E-01		7.11E-03		1.92E-08
8.00E-01		8.30E-03		2.52E-08
9.00E-01		9.45E-03		3.14E-08
1.00E+00	1.05E-02	1.05E-02	3.76E-08	3.76E-08
2.00E+00	1.05E-02	1.71E-02	5.46E-08	7.80E-08
3.00E+00	6.87E-03	1.75E-02	2.58E-08	7.45E-08
4.00E+00	4.18E-03	1.51E-02	0.00E+00	5.55E-08
5.00E+00	2.48E-03	1.19E-02	0.00E+00	3.75E-08
6.00E+00	1.46E-03	8.90E-03	0.00E+00	2.43E-08
7.00E+00	8.61E-04	6.42E-03	0.00E+00	1.55E-08
8.00E+00	5.05E-04	4.51E-03	0.00E+00	9.75E-09
9.00E+00	2.96E-04	3.11E-03	0.00E+00	6.12E-09
1.00E+01	1.74E-04	2.11E-03	0.00E+00	3.84E-09
2.00E+01	8.41E-07	3.02E-05	0.00E+00	3.54E-11

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	6.72E-02	2.76E-01	2.35E-01	5.72E-02	6.35E-01
2.00E-01	6.40E-02	2.65E-01	1.97E-01	1.05E-01	6.32E-01
3.00E-01	6.15E-02	2.56E-01	1.66E-01	1.46E-01	6.29E-01
4.00E-01	5.95E-02	2.47E-01	1.39E-01	1.79E-01	6.25E-01
5.00E-01	5.81E-02	2.40E-01	1.17E-01	2.06E-01	6.21E-01
6.00E-01	5.70E-02	2.33E-01	9.86E-02	2.27E-01	6.15E-01
7.00E-01	5.62E-02	2.27E-01	8.29E-02	2.43E-01	6.08E-01
8.00E-01	5.56E-02	2.21E-01	6.97E-02	2.54E-01	6.00E-01
9.00E-01	5.52E-02	2.16E-01	5.86E-02	2.61E-01	5.91E-01
1.00E+00	5.49E-02	2.11E-01	4.93E-02	2.65E-01	5.80E-01
2.00E+00	5.42E-02	1.77E-01	8.72E-03	2.04E-01	4.44E-01
3.00E+00	5.45E-02	1.60E-01	1.54E-03	1.13E-01	3.29E-01
4.00E+00	5.49E-02	1.50E-01	2.72E-04	5.72E-02	2.63E-01
5.00E+00	5.52E-02	1.45E-01	4.82E-05	2.85E-02	2.28E-01
6.00E+00	5.56E-02	1.41E-01	8.51E-06	1.47E-02	2.11E-01
7.00E+00	5.60E-02	1.38E-01	1.51E-06	8.14E-03	2.02E-01
8.00E+00	5.63E-02	1.36E-01	2.66E-07	5.04E-03	1.97E-01
9.00E+00	5.67E-02	1.34E-01	4.70E-08	3.55E-03	1.94E-01
1.00E+01	5.70E-02	1.32E-01	0.00E+00	2.82E-03	1.92E-01
2.00E+01	6.04E-02	1.16E-01	0.00E+00	1.87E-03	1.78E-01
3.00E+01	6.35E-02	1.02E-01	0.00E+00	1.63E-03	1.67E-01
4.00E+01	6.62E-02	9.01E-02	0.00E+00	1.42E-03	1.58E-01
5.00E+01	6.88E-02	7.93E-02	0.00E+00	1.24E-03	1.49E-01
6.00E+01	7.10E-02	6.98E-02	0.00E+00	1.08E-03	1.42E-01
7.00E+01	7.31E-02	6.14E-02	0.00E+00	9.36E-04	1.35E-01
8.00E+01	7.49E-02	5.40E-02	0.00E+00	8.15E-04	1.30E-01
9.00E+01	7.66E-02	4.75E-02	0.00E+00	7.09E-04	1.25E-01
1.00E+02	7.81E-02	4.18E-02	0.00E+00	6.18E-04	1.21E-01
2.00E+02	8.67E-02	1.15E-02	0.00E+00	1.54E-04	9.84E-02
3.00E+02	8.95E-02	3.15E-03	0.00E+00	3.86E-05	9.27E-02
4.00E+02	9.03E-02	8.55E-04	0.00E+00	9.65E-06	9.12E-02
5.00E+02	9.06E-02	2.31E-04	0.00E+00	2.41E-06	9.08E-02
6.00E+02	9.06E-02	6.19E-05	0.00E+00	6.03E-07	9.07E-02
7.00E+02	9.07E-02	1.65E-05	0.00E+00	1.51E-07	9.07E-02
8.00E+02	9.07E-02	4.40E-06	0.00E+00	3.77E-08	9.07E-02
9.00E+02	9.07E-02	1.16E-06	0.00E+00	0.00E+00	9.07E-02
1.00E+03	9.07E-02	3.08E-07	0.00E+00	0.00E+00	9.07E-02
2.00E+03	9.07E-02	0.00E+00	0.00E+00	0.00E+00	9.07E-02
4.00E+03	9.07E-02	0.00E+00	0.00E+00	0.00E+00	9.07E-02
5.00E+03	9.07E-02	0.00E+00	0.00E+00	0.00E+00	9.07E-02
7.00E+03	9.07E-02	0.00E+00	0.00E+00	0.00E+00	9.07E-02
8.00E+03	9.07E-02	0.00E+00	0.00E+00	0.00E+00	9.07E-02
1.00E+04	9.07E-02	0.00E+00	0.00E+00	0.00E+00	9.07E-02
2.00E+04	9.07E-02	0.00E+00	0.00E+00	0.00E+00	9.07E-02

CLASS W

AMAD = 1 MICRON

STABLE

YTTRIUM 89

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		3.74E-03		8.10E-06
2.00E-01		7.13E-03		1.64E-04
3.00E-01		9.71E-03		8.29E-04
4.00E-01		1.17E-02		2.42E-03
5.00E-01		1.32E-02		5.28E-03
6.00E-01		1.43E-02		9.62E-03
7.00E-01		1.51E-02		1.55E-02
8.00E-01		1.58E-02		2.30E-02
9.00E-01		1.63E-02		3.19E-02
1.00E+00	1.67E-02	1.67E-02	4.22E-02	4.22E-02
2.00E+00	1.22E-03	1.79E-02	1.35E-01	1.78E-01
3.00E+00	1.96E-04	1.81E-02	1.14E-01	2.92E-01
4.00E+00	1.31E-04	1.82E-02	6.65E-02	3.58E-01
5.00E+00	1.25E-04	1.83E-02	3.42E-02	3.92E-01
6.00E+00	1.24E-04	1.85E-02	1.71E-02	4.10E-01
7.00E+00	1.22E-04	1.86E-02	8.78E-03	4.18E-01
8.00E+00	1.21E-04	1.87E-02	4.84E-03	4.23E-01
9.00E+00	1.20E-04	1.88E-02	2.97E-03	4.26E-01
1.00E+01	1.19E-04	1.90E-02	2.07E-03	4.28E-01
2.00E+01	1.08E-04	2.01E-02	1.09E-03	4.41E-01
3.00E+01	9.81E-05	2.11E-02	9.44E-04	4.51E-01
4.00E+01	8.89E-05	2.20E-02	8.22E-04	4.59E-01
5.00E+01	8.04E-05	2.29E-02	7.16E-04	4.67E-01
6.00E+01	7.27E-05	2.36E-02	6.23E-04	4.74E-01
7.00E+01	6.56E-05	2.43E-02	5.42E-04	4.79E-01
8.00E+01	5.91E-05	2.49E-02	4.72E-04	4.84E-01
9.00E+01	5.32E-05	2.55E-02	4.11E-04	4.89E-01
1.00E+02	4.78E-05	2.60E-02	3.58E-04	4.93E-01
2.00E+02	1.57E-05	2.89E-02	8.94E-05	5.12E-01
3.00E+02	4.88E-06	2.98E-02	2.24E-05	5.17E-01
4.00E+02	1.46E-06	3.01E-02	5.59E-06	5.18E-01
5.00E+02	4.23E-07	3.02E-02	1.40E-06	5.18E-01
6.00E+02	1.21E-07	3.02E-02	3.49E-07	5.18E-01
7.00E+02	3.39E-08	3.02E-02	8.73E-08	5.18E-01

CLASS W

AMAD = 1 MICRON

HALFLIFE= 5.85E+01 DAYS

YTTRIUM 91

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	6.72E-02	2.76E-01	2.34E-01	5.71E-02	6.35E-01
2.00E-01	6.38E-02	2.65E-01	1.97E-01	1.05E-01	6.30E-01
3.00E-01	6.12E-02	2.55E-01	1.65E-01	1.45E-01	6.26E-01
4.00E-01	5.93E-02	2.46E-01	1.39E-01	1.78E-01	6.22E-01
5.00E-01	5.78E-02	2.38E-01	1.17E-01	2.04E-01	6.17E-01
6.00E-01	5.66E-02	2.31E-01	9.79E-02	2.25E-01	6.11E-01
7.00E-01	5.58E-02	2.25E-01	8.23E-02	2.41E-01	6.03E-01
8.00E-01	5.51E-02	2.19E-01	6.91E-02	2.52E-01	5.95E-01
9.00E-01	5.46E-02	2.13E-01	5.80E-02	2.59E-01	5.85E-01
1.00E+00	5.42E-02	2.08E-01	4.87E-02	2.62E-01	5.73E-01
2.00E+00	5.29E-02	1.73E-01	8.51E-03	1.99E-01	4.33E-01
3.00E+00	5.26E-02	1.54E-01	1.49E-03	1.09E-01	3.18E-01
4.00E+00	5.23E-02	1.43E-01	2.60E-04	5.46E-02	2.50E-01
5.00E+00	5.20E-02	1.36E-01	4.54E-05	2.68E-02	2.15E-01
6.00E+00	5.18E-02	1.31E-01	7.93E-06	1.37E-02	1.97E-01
7.00E+00	5.15E-02	1.27E-01	1.39E-06	7.49E-03	1.86E-01
8.00E+00	5.12E-02	1.24E-01	2.42E-07	4.58E-03	1.79E-01
9.00E+00	5.09E-02	1.20E-01	4.23E-08	3.19E-03	1.75E-01
1.00E+01	5.07E-02	1.17E-01	0.00E+00	2.50E-03	1.71E-01
2.00E+01	4.77E-02	9.17E-02	0.00E+00	1.48E-03	1.41E-01
3.00E+01	4.45E-02	7.17E-02	0.00E+00	1.14E-03	1.17E-01
4.00E+01	4.12E-02	5.61E-02	0.00E+00	8.83E-04	9.82E-02
5.00E+01	3.80E-02	4.38E-02	0.00E+00	6.83E-04	8.25E-02
6.00E+01	3.49E-02	3.43E-02	0.00E+00	5.28E-04	6.97E-02
7.00E+01	3.19E-02	2.68E-02	0.00E+00	4.08E-04	5.91E-02
8.00E+01	2.90E-02	2.09E-02	0.00E+00	3.16E-04	5.03E-02
9.00E+01	2.64E-02	1.64E-02	0.00E+00	2.44E-04	4.30E-02
1.00E+02	2.39E-02	1.28E-02	0.00E+00	1.89E-04	3.69E-02
2.00E+02	8.11E-03	1.08E-03	0.00E+00	1.44E-05	9.20E-03
3.00E+02	2.56E-03	9.02E-05	0.00E+00	1.10E-06	2.65E-03
4.00E+02	7.90E-04	7.48E-06	0.00E+00	8.44E-08	7.98E-04
5.00E+02	2.42E-04	6.17E-07	0.00E+00	0.00E+00	2.43E-04
6.00E+02	7.42E-05	5.07E-08	0.00E+00	0.00E+00	7.42E-05
7.00E+02	2.27E-05	0.00E+00	0.00E+00	0.00E+00	2.27E-05
8.00E+02	6.94E-06	0.00E+00	0.00E+00	0.00E+00	6.94E-06
9.00E+02	2.12E-06	0.00E+00	0.00E+00	0.00E+00	2.12E-06
1.00E+03	6.49E-07	0.00E+00	0.00E+00	0.00E+00	6.49E-07

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		3.73E-03		8.09E-06
2.00E-01		7.11E-03		1.63E-04
3.00E-01		9.67E-03		8.26E-04
4.00E-01		1.16E-02		2.41E-03
5.00E-01		1.31E-02		5.25E-03
6.00E-01		1.42E-02		9.55E-03
7.00E-01		1.50E-02		1.54E-02
8.00E-01		1.56E-02		2.28E-02
9.00E-01		1.61E-02		3.16E-02
1.00E+00	1.65E-02	1.65E-02	4.17E-02	4.17E-02
2.00E+00	1.19E-03	1.75E-02	1.32E-01	1.73E-01
3.00E+00	1.89E-04	1.75E-02	1.10E-01	2.82E-01
4.00E+00	1.24E-04	1.74E-02	6.34E-02	3.42E-01
5.00E+00	1.18E-04	1.73E-02	3.22E-02	3.70E-01
6.00E+00	1.15E-04	1.72E-02	1.59E-02	3.81E-01
7.00E+00	1.13E-04	1.71E-02	8.08E-03	3.85E-01
8.00E+00	1.10E-04	1.70E-02	4.40E-03	3.85E-01
9.00E+00	1.08E-04	1.69E-02	2.67E-03	3.83E-01
1.00E+01	1.06E-04	1.68E-02	1.84E-03	3.80E-01
2.00E+01	8.53E-05	1.58E-02	8.56E-04	3.48E-01
3.00E+01	6.88E-05	1.48E-02	6.62E-04	3.16E-01
4.00E+01	5.54E-05	1.37E-02	5.12E-04	2.86E-01
5.00E+01	4.45E-05	1.27E-02	3.96E-04	2.58E-01
6.00E+01	3.57E-05	1.16E-02	3.06E-04	2.33E-01
7.00E+01	2.86E-05	1.06E-02	2.37E-04	2.09E-01
8.00E+01	2.29E-05	9.67E-03	1.83E-04	1.88E-01
9.00E+01	1.83E-05	8.78E-03	1.42E-04	1.68E-01
1.00E+02	1.46E-05	7.95E-03	1.09E-04	1.51E-01
2.00E+02	1.47E-06	2.70E-03	8.37E-06	4.79E-02
3.00E+02	1.40E-07	8.53E-04	6.40E-07	1.48E-02
4.00E+02	1.27E-08	2.63E-04	4.89E-08	4.53E-03

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	7.07E-02	2.76E-01	2.35E-01	5.71E-02	6.39E-01
2.00E-01	7.05E-02	2.65E-01	1.97E-01	1.05E-01	6.38E-01
3.00E-01	7.03E-02	2.56E-01	1.66E-01	1.45E-01	6.37E-01
4.00E-01	7.01E-02	2.47E-01	1.39E-01	1.79E-01	6.35E-01
5.00E-01	6.99E-02	2.40E-01	1.17E-01	2.05E-01	6.32E-01
6.00E-01	6.96E-02	2.33E-01	9.86E-02	2.26E-01	6.28E-01
7.00E-01	6.94E-02	2.27E-01	8.29E-02	2.42E-01	6.21E-01
8.00E-01	6.92E-02	2.21E-01	6.97E-02	2.54E-01	6.13E-01
9.00E-01	6.90E-02	2.16E-01	5.86E-02	2.61E-01	6.04E-01
1.00E+00	6.87E-02	2.11E-01	4.93E-02	2.65E-01	5.94E-01
2.00E+00	6.63E-02	1.77E-01	8.72E-03	2.03E-01	4.55E-01
3.00E+00	6.41E-02	1.60E-01	1.54E-03	1.13E-01	3.39E-01
4.00E+00	6.20E-02	1.50E-01	2.72E-04	5.71E-02	2.70E-01
5.00E+00	6.01E-02	1.45E-01	4.82E-05	2.84E-02	2.33E-01
6.00E+00	5.84E-02	1.41E-01	8.51E-06	1.46E-02	2.14E-01
7.00E+00	5.69E-02	1.38E-01	1.51E-06	8.12E-03	2.03E-01
8.00E+00	5.56E-02	1.36E-01	2.66E-07	5.03E-03	1.96E-01
9.00E+00	5.44E-02	1.34E-01	4.70E-08	3.54E-03	1.92E-01
1.00E+01	5.33E-02	1.32E-01	0.00E+00	2.81E-03	1.88E-01
2.00E+01	4.76E-02	1.16E-01	0.00E+00	1.87E-03	1.66E-01
3.00E+01	4.65E-02	1.02E-01	0.00E+00	1.63E-03	1.50E-01
4.00E+01	4.71E-02	9.01E-02	0.00E+00	1.42E-03	1.39E-01
5.00E+01	4.81E-02	7.93E-02	0.00E+00	1.23E-03	1.29E-01
6.00E+01	4.93E-02	6.98E-02	0.00E+00	1.07E-03	1.20E-01
7.00E+01	5.04E-02	6.14E-02	0.00E+00	9.34E-04	1.13E-01
8.00E+01	5.14E-02	5.40E-02	0.00E+00	8.13E-04	1.06E-01
9.00E+01	5.24E-02	4.75E-02	0.00E+00	7.08E-04	1.01E-01
1.00E+02	5.32E-02	4.18E-02	0.00E+00	6.16E-04	9.56E-02
2.00E+02	5.78E-02	1.15E-02	0.00E+00	1.54E-04	6.95E-02
3.00E+02	5.89E-02	3.15E-03	0.00E+00	3.85E-05	6.21E-02
4.00E+02	5.88E-02	8.55E-04	0.00E+00	9.63E-06	5.97E-02
5.00E+02	5.85E-02	2.31E-04	0.00E+00	2.41E-06	5.87E-02
6.00E+02	5.80E-02	6.19E-05	0.00E+00	6.02E-07	5.81E-02
7.00E+02	5.75E-02	1.65E-05	0.00E+00	1.50E-07	5.75E-02
8.00E+02	5.70E-02	4.40E-06	0.00E+00	3.76E-08	5.70E-02
9.00E+02	5.65E-02	1.16E-06	0.00E+00	0.00E+00	5.65E-02
1.00E+03	5.61E-02	3.08E-07	0.00E+00	0.00E+00	5.61E-02
2.00E+03	5.14E-02	0.00E+00	0.00E+00	0.00E+00	5.14E-02
4.00E+03	4.32E-02	0.00E+00	0.00E+00	0.00E+00	4.32E-02
5.00E+03	3.96E-02	0.00E+00	0.00E+00	0.00E+00	3.96E-02
7.00E+03	3.33E-02	0.00E+00	0.00E+00	0.00E+00	3.33E-02
8.00E+03	3.06E-02	0.00E+00	0.00E+00	0.00E+00	3.06E-02
1.00E+04	2.57E-02	0.00E+00	0.00E+00	0.00E+00	2.57E-02
2.00E+04	1.08E-02	0.00E+00	0.00E+00	0.00E+00	1.08E-02

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		3.00E-04		8.10E-06
2.00E-01		6.47E-04		1.64E-04
3.00E-01		9.92E-04		8.28E-04
4.00E-01		1.33E-03		2.42E-03
5.00E-01		1.67E-03		5.27E-03
6.00E-01		2.01E-03		9.61E-03
7.00E-01		2.34E-03		1.55E-02
8.00E-01		2.67E-03		2.30E-02
9.00E-01		3.00E-03		3.19E-02
1.00E+00	3.33E-03	3.33E-03	4.21E-02	4.21E-02
2.00E+00	3.10E-03	6.43E-03	1.35E-01	1.77E-01
3.00E+00	2.84E-03	9.27E-03	1.14E-01	2.91E-01
4.00E+00	2.60E-03	1.19E-02	6.63E-02	3.58E-01
5.00E+00	2.38E-03	1.43E-02	3.41E-02	3.92E-01
6.00E+00	2.18E-03	1.64E-02	1.71E-02	4.09E-01
7.00E+00	2.00E-03	1.84E-02	8.76E-03	4.18E-01
8.00E+00	1.83E-03	2.03E-02	4.83E-03	4.22E-01
9.00E+00	1.68E-03	2.19E-02	2.96E-03	4.25E-01
1.00E+01	1.55E-03	2.35E-02	2.06E-03	4.27E-01
2.00E+01	7.19E-04	3.38E-02	1.08E-03	4.40E-01
3.00E+01	3.98E-04	3.89E-02	9.42E-04	4.50E-01
4.00E+01	2.67E-04	4.21E-02	8.20E-04	4.58E-01
5.00E+01	2.07E-04	4.44E-02	7.14E-04	4.66E-01
6.00E+01	1.75E-04	4.63E-02	6.22E-04	4.73E-01
7.00E+01	1.54E-04	4.79E-02	5.41E-04	4.78E-01
8.00E+01	1.38E-04	4.94E-02	4.71E-04	4.84E-01
9.00E+01	1.24E-04	5.07E-02	4.10E-04	4.88E-01
1.00E+02	1.12E-04	5.18E-02	3.57E-04	4.92E-01
2.00E+02	4.05E-05	5.88E-02	8.93E-05	5.11E-01
3.00E+02	1.62E-05	6.14E-02	2.23E-05	5.16E-01
4.00E+02	8.41E-06	6.26E-02	5.58E-06	5.17E-01
5.00E+02	6.03E-06	6.33E-02	1.39E-06	5.17E-01
6.00E+02	5.30E-06	6.38E-02	3.49E-07	5.17E-01
7.00E+02	5.06E-06	6.43E-02	8.72E-08	5.17E-01
8.00E+02	4.96E-06	6.48E-02	2.18E-08	5.17E-01
9.00E+02	4.90E-06	6.53E-02	0.00E+00	5.17E-01
1.00E+03	4.86E-06	6.58E-02	0.00E+00	5.17E-01
2.00E+03	4.45E-06	7.05E-02	0.00E+00	5.17E-01
4.00E+03	3.74E-06	7.86E-02	0.00E+00	5.17E-01
8.00E+03	2.65E-06	9.13E-02	0.00E+00	5.17E-01
1.00E+04	2.23E-06	9.62E-02	0.00E+00	5.17E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	7.07E-02	2.76E-01	2.35E-01	5.71E-02	6.39E-01
2.00E-01	7.07E-02	2.65E-01	1.97E-01	1.05E-01	6.38E-01
3.00E-01	7.06E-02	2.56E-01	1.66E-01	1.45E-01	6.37E-01
4.00E-01	7.06E-02	2.47E-01	1.39E-01	1.78E-01	6.35E-01
5.00E-01	7.06E-02	2.40E-01	1.17E-01	2.04E-01	6.32E-01
6.00E-01	7.06E-02	2.33E-01	9.86E-02	2.25E-01	6.27E-01
7.00E-01	7.06E-02	2.27E-01	8.29E-02	2.41E-01	6.21E-01
8.00E-01	7.05E-02	2.21E-01	6.97E-02	2.52E-01	6.13E-01
9.00E-01	7.03E-02	2.16E-01	5.86E-02	2.59E-01	6.04E-01
1.00E+00	7.02E-02	2.11E-01	4.93E-02	2.63E-01	5.93E-01
2.00E+00	6.79E-02	1.77E-01	8.72E-03	2.01E-01	4.55E-01
3.00E+00	6.52E-02	1.60E-01	1.54E-03	1.12E-01	3.39E-01
4.00E+00	6.27E-02	1.50E-01	2.72E-04	5.66E-02	2.70E-01
5.00E+00	6.04E-02	1.45E-01	4.82E-05	2.82E-02	2.33E-01
6.00E+00	5.84E-02	1.41E-01	8.51E-06	1.45E-02	2.14E-01
7.00E+00	5.65E-02	1.38E-01	1.51E-06	8.05E-03	2.03E-01
8.00E+00	5.49E-02	1.36E-01	2.66E-07	4.99E-03	1.96E-01
9.00E+00	5.35E-02	1.34E-01	4.70E-08	3.51E-03	1.91E-01
1.00E+01	5.22E-02	1.32E-01	0.00E+00	2.79E-03	1.87E-01
2.00E+01	4.53E-02	1.16E-01	0.00E+00	1.85E-03	1.63E-01
3.00E+01	4.34E-02	1.02E-01	0.00E+00	1.61E-03	1.47E-01
4.00E+01	4.30E-02	9.01E-02	0.00E+00	1.40E-03	1.34E-01
5.00E+01	4.29E-02	7.93E-02	0.00E+00	1.22E-03	1.23E-01
6.00E+01	4.28E-02	6.98E-02	0.00E+00	1.06E-03	1.14E-01
7.00E+01	4.26E-02	6.14E-02	0.00E+00	9.27E-04	1.05E-01
8.00E+01	4.23E-02	5.40E-02	0.00E+00	8.07E-04	9.71E-02
9.00E+01	4.19E-02	4.75E-02	0.00E+00	7.02E-04	9.01E-02
1.00E+02	4.14E-02	4.18E-02	0.00E+00	6.12E-04	8.38E-02
2.00E+02	3.37E-02	1.15E-02	0.00E+00	1.53E-04	4.54E-02
3.00E+02	2.52E-02	3.15E-03	0.00E+00	3.82E-05	2.84E-02
4.00E+02	1.82E-02	8.55E-04	0.00E+00	9.56E-06	1.91E-02
5.00E+02	1.30E-02	2.31E-04	0.00E+00	2.39E-06	1.33E-02
6.00E+02	9.24E-03	6.19E-05	0.00E+00	5.97E-07	9.30E-03
7.00E+02	6.54E-03	1.65E-05	0.00E+00	1.49E-07	6.56E-03
8.00E+02	4.62E-03	4.40E-06	0.00E+00	3.73E-08	4.63E-03
9.00E+02	3.27E-03	1.16E-06	0.00E+00	0.00E+00	3.27E-03
1.00E+03	2.31E-03	3.08E-07	0.00E+00	0.00E+00	2.31E-03
2.00E+03	7.19E-05	0.00E+00	0.00E+00	0.00E+00	7.19E-05
3.00E+03	2.24E-06	0.00E+00	0.00E+00	0.00E+00	2.24E-06
4.00E+03	6.96E-08	0.00E+00	0.00E+00	0.00E+00	6.96E-08

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		3.61E-04		8.09E-06
2.00E-01		7.81E-04		1.64E-04
3.00E-01		1.20E-03		8.27E-04
4.00E-01		1.61E-03		2.41E-03
5.00E-01		2.02E-03		5.26E-03
6.00E-01		2.43E-03		9.57E-03
7.00E-01		2.84E-03		1.54E-02
8.00E-01		3.25E-03		2.29E-02
9.00E-01		3.65E-03		3.17E-02
1.00E+00	4.05E-03	4.05E-03	4.19E-02	4.19E-02
2.00E+00	3.81E-03	7.86E-03	1.34E-01	1.76E-01
3.00E+00	3.47E-03	1.13E-02	1.13E-01	2.89E-01
4.00E+00	3.14E-03	1.45E-02	6.57E-02	3.55E-01
5.00E+00	2.85E-03	1.73E-02	3.38E-02	3.89E-01
6.00E+00	2.58E-03	1.99E-02	1.69E-02	4.06E-01
7.00E+00	2.34E-03	2.22E-02	8.68E-03	4.14E-01
8.00E+00	2.13E-03	2.44E-02	4.78E-03	4.19E-01
9.00E+00	1.94E-03	2.63E-02	2.93E-03	4.22E-01
1.00E+01	1.77E-03	2.81E-02	2.05E-03	4.24E-01
2.00E+01	8.07E-04	3.96E-02	1.07E-03	4.36E-01
3.00E+01	4.93E-04	4.56E-02	9.35E-04	4.46E-01
4.00E+01	3.82E-04	4.99E-02	8.14E-04	4.55E-01
5.00E+01	3.36E-04	5.34E-02	7.08E-04	4.62E-01
6.00E+01	3.10E-04	5.66E-02	6.17E-04	4.69E-01
7.00E+01	2.91E-04	5.96E-02	5.37E-04	4.75E-01
8.00E+01	2.75E-04	6.24E-02	4.67E-04	4.80E-01
9.00E+01	2.61E-04	6.51E-02	4.07E-04	4.84E-01
1.00E+02	2.47E-04	6.76E-02	3.54E-04	4.88E-01
2.00E+02	1.51E-04	8.70E-02	8.86E-05	5.07E-01
3.00E+02	9.82E-05	9.92E-02	2.21E-05	5.12E-01
4.00E+02	6.66E-05	1.07E-01	5.53E-06	5.13E-01
5.00E+02	4.62E-05	1.13E-01	1.38E-06	5.13E-01
6.00E+02	3.24E-05	1.17E-01	3.46E-07	5.13E-01
7.00E+02	2.28E-05	1.19E-01	8.65E-08	5.13E-01
8.00E+02	1.61E-05	1.21E-01	2.16E-08	5.13E-01
9.00E+02	1.14E-05	1.23E-01	0.00E+00	5.13E-01
1.00E+03	8.03E-06	1.24E-01	0.00E+00	5.13E-01
2.00E+03	2.50E-07	1.26E-01	0.00E+00	5.13E-01

CLASS W

AMAD = 1 MICRON

HALFLIFE= 3.52E+01 DAYS

NIOBIUM 95

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	7.06E-02	2.76E-01	2.34E-01	5.70E-02	6.37E-01
2.00E-01	7.04E-02	2.64E-01	1.96E-01	1.05E-01	6.36E-01
3.00E-01	7.02E-02	2.54E-01	1.65E-01	1.44E-01	6.33E-01
4.00E-01	7.01E-02	2.45E-01	1.38E-01	1.76E-01	6.30E-01
5.00E-01	7.00E-02	2.37E-01	1.16E-01	2.02E-01	6.26E-01
6.00E-01	6.98E-02	2.30E-01	9.75E-02	2.22E-01	6.20E-01
7.00E-01	6.96E-02	2.23E-01	8.18E-02	2.38E-01	6.12E-01
8.00E-01	6.94E-02	2.17E-01	6.87E-02	2.48E-01	6.03E-01
9.00E-01	6.91E-02	2.12E-01	5.76E-02	2.55E-01	5.93E-01
1.00E+00	6.88E-02	2.07E-01	4.84E-02	2.58E-01	5.82E-01
2.00E+00	6.53E-02	1.70E-01	8.38E-03	1.94E-01	4.38E-01
3.00E+00	6.15E-02	1.51E-01	1.45E-03	1.06E-01	3.19E-01
4.00E+00	5.79E-02	1.39E-01	2.52E-04	5.23E-02	2.49E-01
5.00E+00	5.47E-02	1.31E-01	4.36E-05	2.55E-02	2.11E-01
6.00E+00	5.18E-02	1.25E-01	7.56E-06	1.29E-02	1.90E-01
7.00E+00	4.92E-02	1.20E-01	1.31E-06	7.01E-03	1.77E-01
8.00E+00	4.69E-02	1.16E-01	2.27E-07	4.26E-03	1.67E-01
9.00E+00	4.48E-02	1.12E-01	3.94E-08	2.94E-03	1.60E-01
1.00E+01	4.28E-02	1.08E-01	0.00E+00	2.29E-03	1.54E-01
2.00E+01	3.05E-02	7.83E-02	0.00E+00	1.25E-03	1.10E-01
3.00E+01	2.40E-02	5.66E-02	0.00E+00	8.93E-04	8.15E-02
4.00E+01	1.95E-02	4.09E-02	0.00E+00	6.38E-04	6.11E-02
5.00E+01	1.60E-02	2.96E-02	0.00E+00	4.56E-04	4.60E-02
6.00E+01	1.31E-02	2.14E-02	0.00E+00	3.26E-04	3.48E-02
7.00E+01	1.07E-02	1.54E-02	0.00E+00	2.33E-04	2.64E-02
8.00E+01	8.73E-03	1.12E-02	0.00E+00	1.67E-04	2.00E-02
9.00E+01	7.10E-03	8.05E-03	0.00E+00	1.19E-04	1.53E-02
1.00E+02	5.76E-03	5.82E-03	0.00E+00	8.51E-05	1.17E-02
2.00E+02	6.52E-04	2.23E-04	0.00E+00	2.96E-06	8.79E-04
3.00E+02	6.80E-05	8.50E-06	0.00E+00	1.03E-07	7.66E-05
4.00E+02	6.85E-06	3.21E-07	0.00E+00	0.00E+00	7.17E-06
5.00E+02	6.80E-07	1.20E-08	0.00E+00	0.00E+00	6.92E-07
6.00E+02	6.71E-08	0.00E+00	0.00E+00	0.00E+00	6.71E-08

CLASS W

AMAD = 1 MICRON

HALFLIFE= 3.52E+01 DAYS

NIOBIUM 95

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		3.61E-04		8.08E-06
2.00E-01		7.78E-04		1.63E-04
3.00E-01		1.19E-03		8.22E-04
4.00E-01		1.60E-03		2.39E-03
5.00E-01		2.00E-03		5.20E-03
6.00E-01		2.41E-03		9.46E-03
7.00E-01		2.80E-03		1.52E-02
8.00E-01		3.20E-03		2.25E-02
9.00E-01		3.59E-03		3.12E-02
1.00E+00	3.97E-03	3.97E-03	4.11E-02	4.11E-02
2.00E+00	3.67E-03	7.56E-03	1.29E-01	1.69E-01
3.00E+00	3.27E-03	1.07E-02	1.07E-01	2.72E-01
4.00E+00	2.90E-03	1.34E-02	6.08E-02	3.28E-01
5.00E+00	2.58E-03	1.57E-02	3.06E-02	3.52E-01
6.00E+00	2.29E-03	1.77E-02	1.50E-02	3.60E-01
7.00E+00	2.04E-03	1.94E-02	7.56E-03	3.61E-01
8.00E+00	1.82E-03	2.08E-02	4.09E-03	3.58E-01
9.00E+00	1.62E-03	2.20E-02	2.46E-03	3.53E-01
1.00E+01	1.45E-03	2.30E-02	1.68E-03	3.48E-01
2.00E+01	5.44E-04	2.67E-02	7.24E-04	2.94E-01
3.00E+01	2.73E-04	2.53E-02	5.17E-04	2.47E-01
4.00E+01	1.74E-04	2.27E-02	3.70E-04	2.07E-01
5.00E+01	1.25E-04	1.99E-02	2.64E-04	1.72E-01
6.00E+01	9.48E-05	1.73E-02	1.89E-04	1.44E-01
7.00E+01	7.32E-05	1.50E-02	1.35E-04	1.19E-01
8.00E+01	5.68E-05	1.29E-02	9.65E-05	9.90E-02
9.00E+01	4.42E-05	1.10E-02	6.90E-05	8.20E-02
1.00E+02	3.44E-05	9.41E-03	4.93E-05	6.79E-02
2.00E+02	2.93E-06	1.69E-03	1.72E-06	9.82E-03
3.00E+02	2.65E-07	2.67E-04	5.97E-08	1.38E-03
4.00E+02	2.50E-08	4.03E-05	0.00E+00	1.92E-04

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	8.59E-02	2.76E-01	2.35E-01	3.96E-02	6.36E-01
2.00E-01	1.20E-01	2.65E-01	1.97E-01	4.96E-02	6.32E-01
3.00E-01	1.51E-01	2.56E-01	1.66E-01	5.37E-02	6.27E-01
4.00E-01	1.76E-01	2.47E-01	1.39E-01	5.64E-02	6.20E-01
5.00E-01	1.96E-01	2.40E-01	1.17E-01	5.84E-02	6.11E-01
6.00E-01	2.11E-01	2.33E-01	9.86E-02	5.96E-02	6.02E-01
7.00E-01	2.23E-01	2.27E-01	8.29E-02	6.02E-02	5.92E-01
8.00E-01	2.31E-01	2.21E-01	6.97E-02	6.02E-02	5.82E-01
9.00E-01	2.37E-01	2.16E-01	5.86E-02	5.98E-02	5.71E-01
1.00E+00	2.40E-01	2.11E-01	4.93E-02	5.89E-02	5.59E-01
2.00E+00	2.20E-01	1.77E-01	8.72E-03	3.95E-02	4.45E-01
3.00E+00	1.74E-01	1.60E-01	1.54E-03	2.12E-02	3.57E-01
4.00E+00	1.35E-01	1.50E-01	2.72E-04	1.06E-02	2.96E-01
5.00E+00	1.04E-01	1.45E-01	4.82E-05	5.30E-03	2.54E-01
6.00E+00	8.23E-02	1.41E-01	8.51E-06	2.77E-03	2.26E-01
7.00E+00	6.61E-02	1.38E-01	1.51E-06	1.57E-03	2.06E-01
8.00E+00	5.43E-02	1.36E-01	2.66E-07	1.00E-03	1.91E-01
9.00E+00	4.56E-02	1.34E-01	4.70E-08	7.29E-04	1.80E-01
1.00E+01	3.91E-02	1.32E-01	0.00E+00	5.93E-04	1.72E-01
2.00E+01	1.74E-02	1.16E-01	0.00E+00	4.09E-04	1.34E-01
3.00E+01	1.25E-02	1.02E-01	0.00E+00	3.56E-04	1.15E-01
4.00E+01	9.85E-03	9.01E-02	0.00E+00	3.10E-04	1.00E-01
5.00E+01	7.97E-03	7.93E-02	0.00E+00	2.70E-04	8.75E-02
6.00E+01	6.53E-03	6.98E-02	0.00E+00	2.35E-04	7.65E-02
7.00E+01	5.40E-03	6.14E-02	0.00E+00	2.04E-04	6.70E-02
8.00E+01	4.50E-03	5.40E-02	0.00E+00	1.78E-04	5.87E-02
9.00E+01	3.77E-03	4.75E-02	0.00E+00	1.55E-04	5.14E-02
1.00E+02	3.19E-03	4.18E-02	0.00E+00	1.35E-04	4.51E-02
2.00E+02	7.39E-04	1.15E-02	0.00E+00	3.37E-05	1.23E-02
3.00E+02	2.00E-04	3.15E-03	0.00E+00	8.43E-06	3.36E-03
4.00E+02	5.48E-05	8.55E-04	0.00E+00	2.11E-06	9.12E-04
5.00E+02	1.50E-05	2.31E-04	0.00E+00	5.27E-07	2.46E-04
6.00E+02	4.08E-06	6.19E-05	0.00E+00	1.32E-07	6.61E-05
7.00E+02	1.10E-06	1.65E-05	0.00E+00	3.29E-08	1.77E-05
8.00E+02	2.96E-07	4.40E-06	0.00E+00	0.00E+00	4.69E-06
9.00E+02	7.90E-08	1.16E-06	0.00E+00	0.00E+00	1.24E-06
1.00E+03	2.10E-08	3.08E-07	0.00E+00	0.00E+00	3.29E-07

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		2.63E-03		5.74E-06
2.00E-01		6.73E-03		9.01E-05
3.00E-01		1.21E-02		3.78E-04
4.00E-01		1.86E-02		9.61E-04
5.00E-01		2.59E-02		1.88E-03
6.00E-01		3.38E-02		3.15E-03
7.00E-01		4.22E-02		4.75E-03
8.00E-01		5.09E-02		6.65E-03
9.00E-01		5.97E-02		8.82E-03
1.00E+00	6.88E-02	6.88E-02	1.12E-02	1.12E-02
2.00E+00	8.58E-02	1.55E-01	2.80E-02	3.92E-02
3.00E+00	6.71E-02	2.22E-01	2.16E-02	6.08E-02
4.00E+00	4.89E-02	2.70E-01	1.22E-02	7.30E-02
5.00E+00	3.51E-02	3.06E-01	6.19E-03	7.91E-02
6.00E+00	2.54E-02	3.31E-01	3.10E-03	8.22E-02
7.00E+00	1.85E-02	3.50E-01	1.60E-03	8.38E-02
8.00E+00	1.37E-02	3.63E-01	8.95E-04	8.47E-02
9.00E+00	1.04E-02	3.74E-01	5.59E-04	8.53E-02
1.00E+01	8.03E-03	3.82E-01	3.97E-04	8.57E-02
2.00E+01	2.11E-03	4.17E-01	2.17E-04	8.81E-02
3.00E+01	1.47E-03	4.34E-01	1.89E-04	9.02E-02
4.00E+01	1.22E-03	4.47E-01	1.64E-04	9.19E-02
5.00E+01	1.05E-03	4.58E-01	1.43E-04	9.34E-02
6.00E+01	9.05E-04	4.68E-01	1.24E-04	9.48E-02
7.00E+01	7.87E-04	4.76E-01	1.08E-04	9.59E-02
8.00E+01	6.86E-04	4.84E-01	9.43E-05	9.69E-02
9.00E+01	5.99E-04	4.90E-01	8.21E-05	9.78E-02
1.00E+02	5.23E-04	4.95E-01	7.14E-05	9.85E-02
2.00E+02	1.43E-04	5.24E-01	1.79E-05	1.02E-01
3.00E+02	3.95E-05	5.32E-01	4.46E-06	1.03E-01
4.00E+02	1.09E-05	5.35E-01	1.12E-06	1.04E-01
5.00E+02	2.97E-06	5.35E-01	2.79E-07	1.04E-01
6.00E+02	8.07E-07	5.35E-01	6.98E-08	1.04E-01
7.00E+02	2.18E-07	5.35E-01	1.74E-08	1.04E-01
8.00E+02	5.84E-08	5.35E-01	0.00E+00	1.04E-01
9.00E+02	1.56E-08	5.35E-01	0.00E+00	1.04E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	6.92E-02	2.76E-01	2.35E-01	5.68E-02	6.37E-01
2.00E-01	6.86E-02	2.65E-01	1.97E-01	1.04E-01	6.35E-01
3.00E-01	6.86E-02	2.56E-01	1.66E-01	1.42E-01	6.32E-01
4.00E-01	6.91E-02	2.47E-01	1.39E-01	1.73E-01	6.29E-01
5.00E-01	6.96E-02	2.40E-01	1.17E-01	1.99E-01	6.25E-01
6.00E-01	7.01E-02	2.33E-01	9.86E-02	2.18E-01	6.20E-01
7.00E-01	7.06E-02	2.27E-01	8.29E-02	2.33E-01	6.13E-01
8.00E-01	7.10E-02	2.21E-01	6.97E-02	2.43E-01	6.05E-01
9.00E-01	7.13E-02	2.16E-01	5.86E-02	2.50E-01	5.95E-01
1.00E+00	7.16E-02	2.11E-01	4.93E-02	2.53E-01	5.85E-01
2.00E+00	7.18E-02	1.77E-01	8.72E-03	1.93E-01	4.51E-01
3.00E+00	7.04E-02	1.60E-01	1.54E-03	1.07E-01	3.39E-01
4.00E+00	6.87E-02	1.50E-01	2.72E-04	5.40E-02	2.73E-01
5.00E+00	6.68E-02	1.45E-01	4.82E-05	2.69E-02	2.38E-01
6.00E+00	6.50E-02	1.41E-01	8.51E-06	1.39E-02	2.20E-01
7.00E+00	6.33E-02	1.38E-01	1.51E-06	7.70E-03	2.09E-01
8.00E+00	6.17E-02	1.36E-01	2.66E-07	4.77E-03	2.02E-01
9.00E+00	6.02E-02	1.34E-01	4.70E-08	3.36E-03	1.97E-01
1.00E+01	5.88E-02	1.32E-01	0.00E+00	2.67E-03	1.94E-01
2.00E+01	4.91E-02	1.16E-01	0.00E+00	1.78E-03	1.67E-01
3.00E+01	4.40E-02	1.02E-01	0.00E+00	1.55E-03	1.48E-01
4.00E+01	4.09E-02	9.01E-02	0.00E+00	1.35E-03	1.32E-01
5.00E+01	3.89E-02	7.93E-02	0.00E+00	1.17E-03	1.19E-01
6.00E+01	3.73E-02	6.98E-02	0.00E+00	1.02E-03	1.08E-01
7.00E+01	3.60E-02	6.14E-02	0.00E+00	8.90E-04	9.83E-02
8.00E+01	3.49E-02	5.40E-02	0.00E+00	7.75E-04	8.97E-02
9.00E+01	3.39E-02	4.75E-02	0.00E+00	6.75E-04	8.21E-02
1.00E+02	3.31E-02	4.18E-02	0.00E+00	5.87E-04	7.55E-02
2.00E+02	2.78E-02	1.15E-02	0.00E+00	1.47E-04	3.94E-02
3.00E+02	2.49E-02	3.15E-03	0.00E+00	3.67E-05	2.81E-02
4.00E+02	2.29E-02	8.55E-04	0.00E+00	9.18E-06	2.38E-02
5.00E+02	2.13E-02	2.31E-04	0.00E+00	2.29E-06	2.15E-02
6.00E+02	1.99E-02	6.19E-05	0.00E+00	5.74E-07	1.99E-02
7.00E+02	1.85E-02	1.65E-05	0.00E+00	1.43E-07	1.85E-02
8.00E+02	1.73E-02	4.40E-06	0.00E+00	3.58E-08	1.73E-02
9.00E+02	1.61E-02	1.16E-06	0.00E+00	0.00E+00	1.61E-02
1.00E+03	1.50E-02	3.08E-07	0.00E+00	0.00E+00	1.50E-02
2.00E+03	7.52E-03	0.00E+00	0.00E+00	0.00E+00	7.52E-03
4.00E+03	1.88E-03	0.00E+00	0.00E+00	0.00E+00	1.88E-03
5.00E+03	9.40E-04	0.00E+00	0.00E+00	0.00E+00	9.40E-04
7.00E+03	2.35E-04	0.00E+00	0.00E+00	0.00E+00	2.35E-04
8.00E+03	1.18E-04	0.00E+00	0.00E+00	0.00E+00	1.18E-04
1.00E+04	2.94E-05	0.00E+00	0.00E+00	0.00E+00	2.94E-05
2.00E+04	2.88E-08	0.00E+00	0.00E+00	0.00E+00	2.88E-08

CLASS W

AMAD = 1 MICRON

STABLE

RUTHENIUM 101

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		2.13E-03		8.06E-06
2.00E-01		4.23E-03		1.62E-04
3.00E-01		6.00E-03		8.17E-04
4.00E-01		7.52E-03		2.38E-03
5.00E-01		8.85E-03		5.16E-03
6.00E-01		1.00E-02		9.38E-03
7.00E-01		1.11E-02		1.51E-02
8.00E-01		1.20E-02		2.23E-02
9.00E-01		1.28E-02		3.09E-02
1.00E+00	1.36E-02	1.36E-02	4.07E-02	4.07E-02
2.00E+00	5.16E-03	1.88E-02	1.29E-01	1.70E-01
3.00E+00	3.41E-03	2.22E-02	1.08E-01	2.78E-01
4.00E+00	2.90E-03	2.51E-02	6.28E-02	3.41E-01
5.00E+00	2.65E-03	2.77E-02	3.23E-02	3.73E-01
6.00E+00	2.47E-03	3.02E-02	1.61E-02	3.89E-01
7.00E+00	2.32E-03	3.25E-02	8.29E-03	3.98E-01
8.00E+00	2.18E-03	3.47E-02	4.57E-03	4.02E-01
9.00E+00	2.05E-03	3.68E-02	2.81E-03	4.05E-01
1.00E+01	1.94E-03	3.87E-02	1.96E-03	4.07E-01
2.00E+01	1.19E-03	5.35E-02	1.03E-03	4.19E-01
3.00E+01	8.30E-04	6.32E-02	8.97E-04	4.28E-01
4.00E+01	6.45E-04	7.03E-02	7.81E-04	4.36E-01
5.00E+01	5.35E-04	7.62E-02	6.80E-04	4.44E-01
6.00E+01	4.62E-04	8.11E-02	5.92E-04	4.50E-01
7.00E+01	4.06E-04	8.54E-02	5.15E-04	4.55E-01
8.00E+01	3.61E-04	8.92E-02	4.48E-04	4.60E-01
9.00E+01	3.23E-04	9.26E-02	3.90E-04	4.64E-01
1.00E+02	2.89E-04	9.56E-02	3.40E-04	4.68E-01
2.00E+02	1.03E-04	1.13E-01	8.50E-05	4.86E-01
3.00E+02	4.33E-05	1.20E-01	2.12E-05	4.91E-01
4.00E+02	2.37E-05	1.23E-01	5.31E-06	4.92E-01
5.00E+02	1.71E-05	1.25E-01	1.33E-06	4.92E-01
6.00E+02	1.44E-05	1.27E-01	3.32E-07	4.92E-01
7.00E+02	1.30E-05	1.28E-01	8.30E-08	4.92E-01
8.00E+02	1.20E-05	1.29E-01	2.07E-08	4.92E-01
9.00E+02	1.12E-05	1.31E-01	0.00E+00	4.92E-01
1.00E+03	1.04E-05	1.32E-01	0.00E+00	4.92E-01
2.00E+03	5.21E-06	1.39E-01	0.00E+00	4.92E-01
4.00E+03	1.30E-06	1.45E-01	0.00E+00	4.92E-01
8.00E+03	8.15E-08	1.47E-01	0.00E+00	4.92E-01
1.00E+04	2.04E-08	1.47E-01	0.00E+00	4.92E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	6.92E-02	2.76E-01	2.35E-01	5.68E-02	6.37E-01
2.00E-01	6.86E-02	2.65E-01	1.97E-01	1.04E-01	6.35E-01
3.00E-01	6.86E-02	2.56E-01	1.66E-01	1.42E-01	6.32E-01
4.00E-01	6.91E-02	2.47E-01	1.39E-01	1.73E-01	6.29E-01
5.00E-01	6.96E-02	2.40E-01	1.17E-01	1.99E-01	6.25E-01
6.00E-01	7.01E-02	2.33E-01	9.86E-02	2.18E-01	6.20E-01
7.00E-01	7.06E-02	2.27E-01	8.29E-02	2.33E-01	6.13E-01
8.00E-01	7.10E-02	2.21E-01	6.97E-02	2.43E-01	6.05E-01
9.00E-01	7.13E-02	2.16E-01	5.86E-02	2.50E-01	5.95E-01
1.00E+00	7.16E-02	2.11E-01	4.93E-02	2.53E-01	5.85E-01
2.00E+00	7.18E-02	1.77E-01	8.72E-03	1.93E-01	4.51E-01
3.00E+00	7.04E-02	1.60E-01	1.54E-03	1.07E-01	3.39E-01
4.00E+00	6.87E-02	1.50E-01	2.72E-04	5.40E-02	2.73E-01
5.00E+00	6.68E-02	1.45E-01	4.82E-05	2.69E-02	2.38E-01
6.00E+00	6.50E-02	1.41E-01	8.51E-06	1.39E-02	2.20E-01
7.00E+00	6.33E-02	1.38E-01	1.51E-06	7.70E-03	2.09E-01
8.00E+00	6.17E-02	1.36E-01	2.66E-07	4.77E-03	2.02E-01
9.00E+00	6.02E-02	1.34E-01	4.70E-08	3.36E-03	1.97E-01
1.00E+01	5.88E-02	1.32E-01	0.00E+00	2.67E-03	1.94E-01
2.00E+01	4.91E-02	1.16E-01	0.00E+00	1.78E-03	1.67E-01
3.00E+01	4.40E-02	1.02E-01	0.00E+00	1.55E-03	1.48E-01
4.00E+01	4.09E-02	9.01E-02	0.00E+00	1.35E-03	1.32E-01
5.00E+01	3.89E-02	7.93E-02	0.00E+00	1.17E-03	1.19E-01
6.00E+01	3.73E-02	6.98E-02	0.00E+00	1.02E-03	1.08E-01
7.00E+01	3.60E-02	6.14E-02	0.00E+00	8.90E-04	9.83E-02
8.00E+01	3.49E-02	5.40E-02	0.00E+00	7.75E-04	8.97E-02
9.00E+01	3.39E-02	4.75E-02	0.00E+00	6.75E-04	8.21E-02
1.00E+02	3.31E-02	4.18E-02	0.00E+00	5.87E-04	7.55E-02
2.00E+02	2.78E-02	1.15E-02	0.00E+00	1.47E-04	3.94E-02
3.00E+02	2.49E-02	3.15E-03	0.00E+00	3.67E-05	2.81E-02
4.00E+02	2.29E-02	8.55E-04	0.00E+00	9.18E-06	2.38E-02
5.00E+02	2.13E-02	2.31E-04	0.00E+00	2.29E-06	2.15E-02
6.00E+02	1.99E-02	6.19E-05	0.00E+00	5.74E-07	1.99E-02
7.00E+02	1.85E-02	1.65E-05	0.00E+00	1.43E-07	1.85E-02
8.00E+02	1.73E-02	4.40E-06	0.00E+00	3.58E-08	1.73E-02
9.00E+02	1.61E-02	1.16E-06	0.00E+00	0.00E+00	1.61E-02
1.00E+03	1.50E-02	3.08E-07	0.00E+00	0.00E+00	1.50E-02
2.00E+03	7.52E-03	0.00E+00	0.00E+00	0.00E+00	7.52E-03
4.00E+03	1.88E-03	0.00E+00	0.00E+00	0.00E+00	1.88E-03
5.00E+03	9.40E-04	0.00E+00	0.00E+00	0.00E+00	9.40E-04
7.00E+03	2.35E-04	0.00E+00	0.00E+00	0.00E+00	2.35E-04
8.00E+03	1.18E-04	0.00E+00	0.00E+00	0.00E+00	1.18E-04
1.00E+04	2.94E-05	0.00E+00	0.00E+00	0.00E+00	2.94E-05
2.00E+04	2.88E-08	0.00E+00	0.00E+00	0.00E+00	2.88E-08

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		2.13E-03		8.06E-06
2.00E-01		4.23E-03		1.62E-04
3.00E-01		6.00E-03		8.17E-04
4.00E-01		7.52E-03		2.38E-03
5.00E-01		8.85E-03		5.16E-03
6.00E-01		1.00E-02		9.38E-03
7.00E-01		1.11E-02		1.51E-02
8.00E-01		1.20E-02		2.23E-02
9.00E-01		1.28E-02		3.09E-02
1.00E+00	1.36E-02	1.36E-02	4.07E-02	4.07E-02
2.00E+00	5.16E-03	1.88E-02	1.29E-01	1.70E-01
3.00E+00	3.41E-03	2.22E-02	1.08E-01	2.78E-01
4.00E+00	2.90E-03	2.51E-02	6.28E-02	3.41E-01
5.00E+00	2.65E-03	2.77E-02	3.23E-02	3.73E-01
6.00E+00	2.47E-03	3.02E-02	1.61E-02	3.89E-01
7.00E+00	2.32E-03	3.25E-02	8.29E-03	3.98E-01
8.00E+00	2.18E-03	3.47E-02	4.57E-03	4.02E-01
9.00E+00	2.05E-03	3.68E-02	2.81E-03	4.05E-01
1.00E+01	1.94E-03	3.87E-02	1.96E-03	4.07E-01
2.00E+01	1.19E-03	5.35E-02	1.03E-03	4.19E-01
3.00E+01	8.30E-04	6.32E-02	8.97E-04	4.28E-01
4.00E+01	6.45E-04	7.03E-02	7.81E-04	4.36E-01
5.00E+01	5.35E-04	7.62E-02	6.80E-04	4.44E-01
6.00E+01	4.62E-04	8.11E-02	5.92E-04	4.50E-01
7.00E+01	4.06E-04	8.54E-02	5.15E-04	4.55E-01
8.00E+01	3.61E-04	8.92E-02	4.48E-04	4.60E-01
9.00E+01	3.23E-04	9.26E-02	3.90E-04	4.64E-01
1.00E+02	2.89E-04	9.56E-02	3.40E-04	4.68E-01
2.00E+02	1.03E-04	1.13E-01	8.50E-05	4.86E-01
3.00E+02	4.33E-05	1.20E-01	2.12E-05	4.91E-01
4.00E+02	2.37E-05	1.23E-01	5.31E-06	4.92E-01
5.00E+02	1.71E-05	1.25E-01	1.33E-06	4.92E-01
6.00E+02	1.44E-05	1.27E-01	3.32E-07	4.92E-01
7.00E+02	1.30E-05	1.28E-01	8.30E-08	4.92E-01
8.00E+02	1.20E-05	1.29E-01	2.07E-08	4.92E-01
9.00E+02	1.12E-05	1.31E-01	0.00E+00	4.92E-01
1.00E+03	1.04E-05	1.32E-01	0.00E+00	4.92E-01
2.00E+03	5.21E-06	1.39E-01	0.00E+00	4.92E-01
4.00E+03	1.30E-06	1.45E-01	0.00E+00	4.92E-01
8.00E+03	8.15E-08	1.47E-01	0.00E+00	4.92E-01
1.00E+04	2.04E-08	1.47E-01	0.00E+00	4.92E-01

CLASS W

AMAD = 1 MICRON

STABLE

PALLADIUM 106

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	6.63E-02	2.76E-01	2.35E-01	5.71E-02	6.34E-01
2.00E-01	6.23E-02	2.65E-01	1.97E-01	1.05E-01	6.30E-01
3.00E-01	5.92E-02	2.56E-01	1.66E-01	1.45E-01	6.26E-01
4.00E-01	5.68E-02	2.47E-01	1.39E-01	1.78E-01	6.22E-01
5.00E-01	5.50E-02	2.40E-01	1.17E-01	2.05E-01	6.17E-01
6.00E-01	5.36E-02	2.33E-01	9.86E-02	2.26E-01	6.11E-01
7.00E-01	5.25E-02	2.27E-01	8.29E-02	2.42E-01	6.04E-01
8.00E-01	5.16E-02	2.21E-01	6.97E-02	2.53E-01	5.95E-01
9.00E-01	5.09E-02	2.16E-01	5.86E-02	2.60E-01	5.86E-01
1.00E+00	5.03E-02	2.11E-01	4.93E-02	2.64E-01	5.75E-01
2.00E+00	4.74E-02	1.77E-01	8.72E-03	2.02E-01	4.36E-01
3.00E+00	4.56E-02	1.60E-01	1.54E-03	1.13E-01	3.20E-01
4.00E+00	4.40E-02	1.50E-01	2.72E-04	5.69E-02	2.51E-01
5.00E+00	4.23E-02	1.45E-01	4.82E-05	2.83E-02	2.15E-01
6.00E+00	4.08E-02	1.41E-01	8.51E-06	1.46E-02	1.96E-01
7.00E+00	3.93E-02	1.38E-01	1.51E-06	8.09E-03	1.85E-01
8.00E+00	3.78E-02	1.36E-01	2.66E-07	5.01E-03	1.79E-01
9.00E+00	3.65E-02	1.34E-01	4.70E-08	3.53E-03	1.74E-01
1.00E+01	3.52E-02	1.32E-01	0.00E+00	2.80E-03	1.70E-01
2.00E+01	2.47E-02	1.16E-01	0.00E+00	1.86E-03	1.43E-01
3.00E+01	1.79E-02	1.02E-01	0.00E+00	1.62E-03	1.22E-01
4.00E+01	1.34E-02	9.01E-02	0.00E+00	1.41E-03	1.05E-01
5.00E+01	1.03E-02	7.93E-02	0.00E+00	1.23E-03	9.08E-02
6.00E+01	8.23E-03	6.98E-02	0.00E+00	1.07E-03	7.91E-02
7.00E+01	6.74E-03	6.14E-02	0.00E+00	9.31E-04	6.90E-02
8.00E+01	5.64E-03	5.40E-02	0.00E+00	8.11E-04	6.05E-02
9.00E+01	4.82E-03	4.75E-02	0.00E+00	7.06E-04	5.30E-02
1.00E+02	4.17E-03	4.18E-02	0.00E+00	6.15E-04	4.66E-02
2.00E+02	1.27E-03	1.15E-02	0.00E+00	1.54E-04	1.29E-02
3.00E+02	3.98E-04	3.15E-03	0.00E+00	3.84E-05	3.59E-03
4.00E+02	1.20E-04	8.55E-04	0.00E+00	9.60E-06	9.85E-04
5.00E+02	3.50E-05	2.31E-04	0.00E+00	2.40E-06	2.68E-04
6.00E+02	1.00E-05	6.19E-05	0.00E+00	6.00E-07	7.25E-05
7.00E+02	2.82E-06	1.65E-05	0.00E+00	1.50E-07	1.95E-05
8.00E+02	7.86E-07	4.40E-06	0.00E+00	3.75E-08	5.22E-06
9.00E+02	2.16E-07	1.16E-06	0.00E+00	0.00E+00	1.38E-06
1.00E+03	5.90E-08	3.08E-07	0.00E+00	0.00E+00	3.67E-07

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		4.68E-03		8.10E-06
2.00E-01		8.99E-03		1.64E-04
3.00E-01		1.23E-02		8.28E-04
4.00E-01		1.49E-02		2.42E-03
5.00E-01		1.70E-02		5.27E-03
6.00E-01		1.86E-02		9.59E-03
7.00E-01		1.99E-02		1.55E-02
8.00E-01		2.09E-02		2.29E-02
9.00E-01		2.18E-02		3.18E-02
1.00E+00	2.25E-02	2.25E-02	4.20E-02	4.20E-02
2.00E+00	3.91E-03	2.64E-02	1.35E-01	1.77E-01
3.00E+00	2.45E-03	2.89E-02	1.14E-01	2.90E-01
4.00E+00	2.25E-03	3.11E-02	6.61E-02	3.57E-01
5.00E+00	2.15E-03	3.33E-02	3.40E-02	3.91E-01
6.00E+00	2.07E-03	3.54E-02	1.70E-02	4.08E-01
7.00E+00	2.00E-03	3.74E-02	8.73E-03	4.16E-01
8.00E+00	1.93E-03	3.93E-02	4.81E-03	4.21E-01
9.00E+00	1.86E-03	4.12E-02	2.95E-03	4.24E-01
1.00E+01	1.80E-03	4.29E-02	2.06E-03	4.26E-01
2.00E+01	1.29E-03	5.80E-02	1.08E-03	4.38E-01
3.00E+01	9.56E-04	6.89E-02	9.40E-04	4.48E-01
4.00E+01	7.33E-04	7.72E-02	8.18E-04	4.57E-01
5.00E+01	5.79E-04	8.36E-02	7.12E-04	4.65E-01
6.00E+01	4.71E-04	8.88E-02	6.20E-04	4.71E-01
7.00E+01	3.92E-04	9.30E-02	5.40E-04	4.77E-01
8.00E+01	3.33E-04	9.66E-02	4.70E-04	4.82E-01
9.00E+01	2.87E-04	9.97E-02	4.09E-04	4.86E-01
1.00E+02	2.51E-04	1.02E-01	3.56E-04	4.90E-01
2.00E+02	7.76E-05	1.17E-01	8.90E-05	5.09E-01
3.00E+02	2.43E-05	1.21E-01	2.23E-05	5.14E-01
4.00E+02	7.29E-06	1.23E-01	5.56E-06	5.15E-01
5.00E+02	2.13E-06	1.23E-01	1.39E-06	5.16E-01
6.00E+02	6.09E-07	1.23E-01	3.48E-07	5.16E-01
7.00E+02	1.71E-07	1.23E-01	8.69E-08	5.16E-01
8.00E+02	4.76E-08	1.23E-01	2.17E-08	5.16E-01
9.00E+02	1.31E-08	1.23E-01	0.00E+00	5.16E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	7.12E-02	2.76E-01	2.35E-01	5.68E-02	6.39E-01
2.00E-01	7.24E-02	2.65E-01	1.97E-01	1.04E-01	6.39E-01
3.00E-01	7.40E-02	2.56E-01	1.66E-01	1.42E-01	6.38E-01
4.00E-01	7.57E-02	2.47E-01	1.39E-01	1.73E-01	6.36E-01
5.00E-01	7.73E-02	2.40E-01	1.17E-01	1.99E-01	6.33E-01
6.00E-01	7.88E-02	2.33E-01	9.86E-02	2.18E-01	6.28E-01
7.00E-01	8.00E-02	2.27E-01	8.29E-02	2.33E-01	6.22E-01
8.00E-01	8.11E-02	2.21E-01	6.97E-02	2.43E-01	6.15E-01
9.00E-01	8.21E-02	2.16E-01	5.86E-02	2.50E-01	6.06E-01
1.00E+00	8.28E-02	2.11E-01	4.93E-02	2.53E-01	5.96E-01
2.00E+00	8.58E-02	1.77E-01	8.72E-03	1.93E-01	4.65E-01
3.00E+00	8.56E-02	1.60E-01	1.54E-03	1.07E-01	3.54E-01
4.00E+00	8.46E-02	1.50E-01	2.72E-04	5.40E-02	2.89E-01
5.00E+00	8.35E-02	1.45E-01	4.82E-05	2.69E-02	2.55E-01
6.00E+00	8.24E-02	1.41E-01	8.51E-06	1.39E-02	2.37E-01
7.00E+00	8.13E-02	1.38E-01	1.51E-06	7.70E-03	2.27E-01
8.00E+00	8.03E-02	1.36E-01	2.66E-07	4.77E-03	2.21E-01
9.00E+00	7.94E-02	1.34E-01	4.70E-08	3.36E-03	2.17E-01
1.00E+01	7.85E-02	1.32E-01	0.00E+00	2.67E-03	2.13E-01
2.00E+01	7.17E-02	1.16E-01	0.00E+00	1.78E-03	1.90E-01
3.00E+01	6.61E-02	1.02E-01	0.00E+00	1.55E-03	1.70E-01
4.00E+01	6.10E-02	9.01E-02	0.00E+00	1.35E-03	1.52E-01
5.00E+01	5.63E-02	7.93E-02	0.00E+00	1.17E-03	1.37E-01
6.00E+01	5.18E-02	6.98E-02	0.00E+00	1.02E-03	1.23E-01
7.00E+01	4.76E-02	6.14E-02	0.00E+00	8.90E-04	1.10E-01
8.00E+01	4.38E-02	5.40E-02	0.00E+00	7.75E-04	9.85E-02
9.00E+01	4.01E-02	4.75E-02	0.00E+00	6.75E-04	8.83E-02
1.00E+02	3.68E-02	4.18E-02	0.00E+00	5.87E-04	7.92E-02
2.00E+02	1.45E-02	1.15E-02	0.00E+00	1.47E-04	2.62E-02
3.00E+02	5.30E-03	3.15E-03	0.00E+00	3.67E-05	8.49E-03
4.00E+02	1.83E-03	8.55E-04	0.00E+00	9.18E-06	2.69E-03
5.00E+02	6.04E-04	2.31E-04	0.00E+00	2.29E-06	8.37E-04
6.00E+02	1.93E-04	6.19E-05	0.00E+00	5.74E-07	2.55E-04
7.00E+02	6.00E-05	1.65E-05	0.00E+00	1.43E-07	7.67E-05
8.00E+02	1.83E-05	4.40E-06	0.00E+00	3.58E-08	2.27E-05
9.00E+02	5.47E-06	1.16E-06	0.00E+00	0.00E+00	6.64E-06
1.00E+03	1.61E-06	3.08E-07	0.00E+00	0.00E+00	1.92E-06

CLASS W

AMAD = 1 MICRON

STABLE

SILVER 108

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		1.95E-04		8.06E-06
2.00E-01		4.24E-04		1.62E-04
3.00E-01		6.55E-04		8.17E-04
4.00E-01		8.90E-04		2.38E-03
5.00E-01		1.13E-03		5.16E-03
6.00E-01		1.37E-03		9.38E-03
7.00E-01		1.61E-03		1.51E-02
8.00E-01		1.85E-03		2.23E-02
9.00E-01		2.10E-03		3.09E-02
1.00E+00	2.35E-03	2.35E-03	4.07E-02	4.07E-02
2.00E+00	2.42E-03	4.77E-03	1.29E-01	1.70E-01
3.00E+00	2.27E-03	7.03E-03	1.08E-01	2.78E-01
4.00E+00	2.09E-03	9.12E-03	6.28E-02	3.41E-01
5.00E+00	1.93E-03	1.10E-02	3.23E-02	3.73E-01
6.00E+00	1.79E-03	1.28E-02	1.61E-02	3.89E-01
7.00E+00	1.67E-03	1.45E-02	8.29E-03	3.98E-01
8.00E+00	1.57E-03	1.61E-02	4.57E-03	4.02E-01
9.00E+00	1.48E-03	1.75E-02	2.81E-03	4.05E-01
1.00E+01	1.41E-03	1.90E-02	1.96E-03	4.07E-01
2.00E+01	1.08E-03	3.09E-02	1.03E-03	4.19E-01
3.00E+01	9.68E-04	4.10E-02	8.97E-04	4.28E-01
4.00E+01	8.89E-04	5.02E-02	7.81E-04	4.36E-01
5.00E+01	8.18E-04	5.87E-02	6.80E-04	4.44E-01
6.00E+01	7.52E-04	6.66E-02	5.92E-04	4.50E-01
7.00E+01	6.91E-04	7.37E-02	5.15E-04	4.55E-01
8.00E+01	6.34E-04	8.03E-02	4.48E-04	4.60E-01
9.00E+01	5.82E-04	8.64E-02	3.90E-04	4.64E-01
1.00E+02	5.33E-04	9.19E-02	3.40E-04	4.68E-01
2.00E+02	2.09E-04	1.27E-01	8.50E-05	4.86E-01
3.00E+02	7.59E-05	1.40E-01	2.12E-05	4.91E-01
4.00E+02	2.61E-05	1.44E-01	5.31E-06	4.92E-01
5.00E+02	8.59E-06	1.46E-01	1.33E-06	4.92E-01
6.00E+02	2.74E-06	1.47E-01	3.32E-07	4.92E-01
7.00E+02	8.51E-07	1.47E-01	8.30E-08	4.92E-01
8.00E+02	2.59E-07	1.47E-01	2.07E-08	4.92E-01
9.00E+02	7.74E-08	1.47E-01	0.00E+00	4.92E-01
1.00E+03	2.28E-08	1.47E-01	0.00E+00	4.92E-01

CLASS W

AMAD = 1 MICRON

STABLE

CADMIUM 112

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	7.14E-02	2.76E-01	2.35E-01	5.68E-02	6.39E-01
2.00E-01	7.28E-02	2.65E-01	1.97E-01	1.04E-01	6.39E-01
3.00E-01	7.46E-02	2.56E-01	1.66E-01	1.42E-01	6.38E-01
4.00E-01	7.66E-02	2.47E-01	1.39E-01	1.73E-01	6.37E-01
5.00E-01	7.84E-02	2.40E-01	1.17E-01	1.99E-01	6.34E-01
6.00E-01	8.01E-02	2.33E-01	9.86E-02	2.18E-01	6.30E-01
7.00E-01	8.17E-02	2.27E-01	8.29E-02	2.33E-01	6.24E-01
8.00E-01	8.30E-02	2.21E-01	6.97E-02	2.43E-01	6.17E-01
9.00E-01	8.41E-02	2.16E-01	5.86E-02	2.50E-01	6.08E-01
1.00E+00	8.52E-02	2.11E-01	4.93E-02	2.53E-01	5.98E-01
2.00E+00	9.06E-02	1.77E-01	8.72E-03	1.93E-01	4.69E-01
3.00E+00	9.26E-02	1.60E-01	1.54E-03	1.07E-01	3.61E-01
4.00E+00	9.37E-02	1.50E-01	2.72E-04	5.40E-02	2.98E-01
5.00E+00	9.45E-02	1.45E-01	4.82E-05	2.69E-02	2.66E-01
6.00E+00	9.52E-02	1.41E-01	8.51E-06	1.39E-02	2.50E-01
7.00E+00	9.58E-02	1.38E-01	1.51E-06	7.70E-03	2.42E-01
8.00E+00	9.63E-02	1.36E-01	2.66E-07	4.77E-03	2.37E-01
9.00E+00	9.69E-02	1.34E-01	4.70E-08	3.36E-03	2.34E-01
1.00E+01	9.74E-02	1.32E-01	0.00E+00	2.67E-03	2.32E-01
2.00E+01	1.02E-01	1.16E-01	0.00E+00	1.78E-03	2.20E-01
3.00E+01	1.07E-01	1.02E-01	0.00E+00	1.55E-03	2.11E-01
4.00E+01	1.11E-01	9.01E-02	0.00E+00	1.35E-03	2.02E-01
5.00E+01	1.15E-01	7.93E-02	0.00E+00	1.17E-03	1.95E-01
6.00E+01	1.18E-01	6.98E-02	0.00E+00	1.02E-03	1.89E-01
7.00E+01	1.21E-01	6.14E-02	0.00E+00	8.90E-04	1.83E-01
8.00E+01	1.23E-01	5.40E-02	0.00E+00	7.75E-04	1.78E-01
9.00E+01	1.26E-01	4.75E-02	0.00E+00	6.75E-04	1.74E-01
1.00E+02	1.28E-01	4.18E-02	0.00E+00	5.87E-04	1.70E-01
2.00E+02	1.39E-01	1.15E-02	0.00E+00	1.47E-04	1.51E-01
3.00E+02	1.42E-01	3.15E-03	0.00E+00	3.67E-05	1.45E-01
4.00E+02	1.42E-01	8.55E-04	0.00E+00	9.18E-06	1.43E-01
5.00E+02	1.41E-01	2.31E-04	0.00E+00	2.29E-06	1.42E-01
6.00E+02	1.41E-01	6.19E-05	0.00E+00	5.74E-07	1.41E-01
7.00E+02	1.39E-01	1.65E-05	0.00E+00	1.43E-07	1.40E-01
8.00E+02	1.38E-01	4.40E-06	0.00E+00	3.58E-08	1.38E-01
9.00E+02	1.37E-01	1.16E-06	0.00E+00	0.00E+00	1.37E-01
1.00E+03	1.36E-01	3.08E-07	0.00E+00	0.00E+00	1.36E-01
2.00E+03	1.26E-01	0.00E+00	0.00E+00	0.00E+00	1.26E-01
4.00E+03	1.09E-01	0.00E+00	0.00E+00	0.00E+00	1.09E-01
5.00E+03	1.01E-01	0.00E+00	0.00E+00	0.00E+00	1.01E-01
7.00E+03	8.64E-02	0.00E+00	0.00E+00	0.00E+00	8.64E-02
8.00E+03	8.01E-02	0.00E+00	0.00E+00	0.00E+00	8.01E-02
1.00E+04	6.88E-02	0.00E+00	0.00E+00	0.00E+00	6.88E-02
2.00E+04	3.22E-02	0.00E+00	0.00E+00	0.00E+00	3.22E-02

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		4.63E-07		8.06E-06
2.00E-01		1.01E-06		1.62E-04
3.00E-01		1.57E-06		8.17E-04
4.00E-01		2.14E-06		2.38E-03
5.00E-01		2.73E-06		5.16E-03
6.00E-01		3.33E-06		9.38E-03
7.00E-01		3.95E-06		1.51E-02
8.00E-01		4.57E-06		2.23E-02
9.00E-01		5.21E-06		3.09E-02
1.00E+00	5.85E-06	5.85E-06	4.07E-02	4.07E-02
2.00E+00	6.71E-06	1.26E-05	1.29E-01	1.70E-01
3.00E+00	6.97E-06	1.95E-05	1.08E-01	2.78E-01
4.00E+00	7.08E-06	2.66E-05	6.28E-02	3.41E-01
5.00E+00	7.15E-06	3.38E-05	3.23E-02	3.73E-01
6.00E+00	7.20E-06	4.10E-05	1.61E-02	3.89E-01
7.00E+00	7.25E-06	4.82E-05	8.29E-03	3.98E-01
8.00E+00	7.30E-06	5.55E-05	4.57E-03	4.02E-01
9.00E+00	7.34E-06	6.28E-05	2.81E-03	4.05E-01
1.00E+01	7.38E-06	7.02E-05	1.96E-03	4.07E-01
2.00E+01	7.76E-06	1.46E-04	1.03E-03	4.19E-01
3.00E+01	8.10E-06	2.26E-04	8.97E-04	4.28E-01
4.00E+01	8.41E-06	3.08E-04	7.81E-04	4.36E-01
5.00E+01	8.69E-06	3.94E-04	6.80E-04	4.44E-01
6.00E+01	8.94E-06	4.82E-04	5.92E-04	4.50E-01
7.00E+01	9.16E-06	5.73E-04	5.15E-04	4.55E-01
8.00E+01	9.36E-06	6.66E-04	4.48E-04	4.60E-01
9.00E+01	9.54E-06	7.60E-04	3.90E-04	4.64E-01
1.00E+02	9.70E-06	8.57E-04	3.40E-04	4.68E-01
2.00E+02	1.06E-05	1.88E-03	8.50E-05	4.86E-01
3.00E+02	1.08E-05	2.95E-03	2.12E-05	4.91E-01
4.00E+02	1.08E-05	4.03E-03	5.31E-06	4.92E-01
5.00E+02	1.07E-05	5.11E-03	1.33E-06	4.92E-01
6.00E+02	1.07E-05	6.18E-03	3.32E-07	4.92E-01
7.00E+02	1.06E-05	7.24E-03	8.30E-08	4.92E-01
8.00E+02	1.05E-05	8.30E-03	2.07E-08	4.92E-01
9.00E+02	1.04E-05	9.35E-03	0.00E+00	4.92E-01
1.00E+03	1.04E-05	1.04E-02	0.00E+00	4.92E-01
2.00E+03	9.60E-06	2.04E-02	0.00E+00	4.92E-01
4.00E+03	8.25E-06	3.82E-02	0.00E+00	4.92E-01
8.00E+03	6.09E-06	6.66E-02	0.00E+00	4.92E-01
1.00E+04	5.23E-06	7.79E-02	0.00E+00	4.92E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	7.11E-02	2.76E-01	2.35E-01	5.70E-02	6.39E-01
2.00E-01	7.18E-02	2.65E-01	1.97E-01	1.05E-01	6.39E-01
3.00E-01	7.25E-02	2.56E-01	1.66E-01	1.44E-01	6.38E-01
4.00E-01	7.33E-02	2.47E-01	1.39E-01	1.77E-01	6.37E-01
5.00E-01	7.41E-02	2.40E-01	1.17E-01	2.03E-01	6.34E-01
6.00E-01	7.48E-02	2.33E-01	9.86E-02	2.23E-01	6.30E-01
7.00E-01	7.54E-02	2.27E-01	8.29E-02	2.39E-01	6.24E-01
8.00E-01	7.60E-02	2.21E-01	6.97E-02	2.50E-01	6.16E-01
9.00E-01	7.65E-02	2.16E-01	5.86E-02	2.57E-01	6.08E-01
1.00E+00	7.70E-02	2.11E-01	4.93E-02	2.61E-01	5.98E-01
2.00E+00	7.95E-02	1.77E-01	8.72E-03	1.99E-01	4.65E-01
3.00E+00	8.06E-02	1.60E-01	1.54E-03	1.11E-01	3.53E-01
4.00E+00	8.13E-02	1.50E-01	2.72E-04	5.60E-02	2.88E-01
5.00E+00	8.19E-02	1.45E-01	4.82E-05	2.78E-02	2.54E-01
6.00E+00	8.25E-02	1.41E-01	8.51E-06	1.43E-02	2.38E-01
7.00E+00	8.30E-02	1.38E-01	1.51E-06	7.96E-03	2.29E-01
8.00E+00	8.36E-02	1.36E-01	2.66E-07	4.93E-03	2.24E-01
9.00E+00	8.41E-02	1.34E-01	4.70E-08	3.47E-03	2.21E-01
1.00E+01	8.46E-02	1.32E-01	0.00E+00	2.76E-03	2.19E-01
2.00E+01	8.93E-02	1.16E-01	0.00E+00	1.84E-03	2.07E-01
3.00E+01	9.36E-02	1.02E-01	0.00E+00	1.60E-03	1.97E-01
4.00E+01	9.75E-02	9.01E-02	0.00E+00	1.39E-03	1.89E-01
5.00E+01	1.01E-01	7.93E-02	0.00E+00	1.21E-03	1.81E-01
6.00E+01	1.04E-01	6.98E-02	0.00E+00	1.05E-03	1.75E-01
7.00E+01	1.07E-01	6.14E-02	0.00E+00	9.18E-04	1.69E-01
8.00E+01	1.10E-01	5.40E-02	0.00E+00	7.99E-04	1.64E-01
9.00E+01	1.12E-01	4.75E-02	0.00E+00	6.96E-04	1.60E-01
1.00E+02	1.14E-01	4.18E-02	0.00E+00	6.05E-04	1.56E-01
2.00E+02	1.26E-01	1.15E-02	0.00E+00	1.51E-04	1.37E-01
3.00E+02	1.30E-01	3.15E-03	0.00E+00	3.78E-05	1.33E-01
4.00E+02	1.31E-01	8.55E-04	0.00E+00	9.46E-06	1.32E-01
5.00E+02	1.31E-01	2.31E-04	0.00E+00	2.37E-06	1.31E-01
6.00E+02	1.31E-01	6.19E-05	0.00E+00	5.91E-07	1.31E-01
7.00E+02	1.31E-01	1.65E-05	0.00E+00	1.48E-07	1.31E-01
8.00E+02	1.31E-01	4.40E-06	0.00E+00	3.70E-08	1.31E-01
9.00E+02	1.31E-01	1.16E-06	0.00E+00	0.00E+00	1.31E-01
1.00E+03	1.31E-01	3.08E-07	0.00E+00	0.00E+00	1.31E-01
2.00E+03	1.31E-01	0.00E+00	0.00E+00	0.00E+00	1.31E-01
4.00E+03	1.31E-01	0.00E+00	0.00E+00	0.00E+00	1.31E-01
5.00E+03	1.31E-01	0.00E+00	0.00E+00	0.00E+00	1.31E-01
7.00E+03	1.31E-01	0.00E+00	0.00E+00	0.00E+00	1.31E-01
8.00E+03	1.31E-01	0.00E+00	0.00E+00	0.00E+00	1.31E-01
1.00E+04	1.31E-01	0.00E+00	0.00E+00	0.00E+00	1.31E-01
2.00E+04	1.31E-01	0.00E+00	0.00E+00	0.00E+00	1.31E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	6.35E-02	2.76E-01	2.35E-01	5.70E-02	6.32E-01
2.00E-01	5.72E-02	2.65E-01	1.97E-01	1.05E-01	6.24E-01
3.00E-01	5.25E-02	2.56E-01	1.66E-01	1.44E-01	6.18E-01
4.00E-01	4.91E-02	2.47E-01	1.39E-01	1.77E-01	6.12E-01
5.00E-01	4.65E-02	2.40E-01	1.17E-01	2.03E-01	6.06E-01
6.00E-01	4.46E-02	2.33E-01	9.86E-02	2.23E-01	5.99E-01
7.00E-01	4.31E-02	2.27E-01	8.29E-02	2.39E-01	5.91E-01
8.00E-01	4.20E-02	2.21E-01	6.97E-02	2.50E-01	5.82E-01
9.00E-01	4.11E-02	2.16E-01	5.86E-02	2.57E-01	5.72E-01
1.00E+00	4.03E-02	2.11E-01	4.93E-02	2.61E-01	5.61E-01
2.00E+00	3.76E-02	1.77E-01	8.72E-03	1.99E-01	4.23E-01
3.00E+00	3.66E-02	1.60E-01	1.54E-03	1.11E-01	3.09E-01
4.00E+00	3.59E-02	1.50E-01	2.72E-04	5.60E-02	2.42E-01
5.00E+00	3.52E-02	1.45E-01	4.82E-05	2.78E-02	2.08E-01
6.00E+00	3.47E-02	1.41E-01	8.51E-06	1.43E-02	1.90E-01
7.00E+00	3.42E-02	1.38E-01	1.51E-06	7.96E-03	1.80E-01
8.00E+00	3.38E-02	1.36E-01	2.66E-07	4.93E-03	1.75E-01
9.00E+00	3.35E-02	1.34E-01	4.70E-08	3.47E-03	1.71E-01
1.00E+01	3.32E-02	1.32E-01	0.00E+00	2.76E-03	1.68E-01
2.00E+01	3.19E-02	1.16E-01	0.00E+00	1.84E-03	1.50E-01
3.00E+01	3.15E-02	1.02E-01	0.00E+00	1.60E-03	1.35E-01
4.00E+01	3.14E-02	9.01E-02	0.00E+00	1.39E-03	1.23E-01
5.00E+01	3.14E-02	7.93E-02	0.00E+00	1.21E-03	1.12E-01
6.00E+01	3.13E-02	6.98E-02	0.00E+00	1.05E-03	1.02E-01
7.00E+01	3.13E-02	6.14E-02	0.00E+00	9.18E-04	9.36E-02
8.00E+01	3.12E-02	5.40E-02	0.00E+00	7.99E-04	8.60E-02
9.00E+01	3.11E-02	4.75E-02	0.00E+00	6.96E-04	7.93E-02
1.00E+02	3.10E-02	4.18E-02	0.00E+00	6.05E-04	7.34E-02
2.00E+02	2.84E-02	1.15E-02	0.00E+00	1.51E-04	4.01E-02
3.00E+02	2.47E-02	3.15E-03	0.00E+00	3.78E-05	2.79E-02
4.00E+02	2.10E-02	8.55E-04	0.00E+00	9.46E-06	2.18E-02
5.00E+02	1.77E-02	2.31E-04	0.00E+00	2.37E-06	1.79E-02
6.00E+02	1.49E-02	6.19E-05	0.00E+00	5.91E-07	1.50E-02
7.00E+02	1.25E-02	1.65E-05	0.00E+00	1.48E-07	1.26E-02
8.00E+02	1.06E-02	4.40E-06	0.00E+00	3.70E-08	1.06E-02
9.00E+02	8.87E-03	1.16E-06	0.00E+00	0.00E+00	8.87E-03
1.00E+03	7.46E-03	3.08E-07	0.00E+00	0.00E+00	7.46E-03
2.00E+03	1.32E-03	0.00E+00	0.00E+00	0.00E+00	1.32E-03
3.00E+03	2.33E-04	0.00E+00	0.00E+00	0.00E+00	2.33E-04
4.00E+03	4.13E-05	0.00E+00	0.00E+00	0.00E+00	4.13E-05
5.00E+03	7.30E-06	0.00E+00	0.00E+00	0.00E+00	7.30E-06
6.00E+03	1.29E-06	0.00E+00	0.00E+00	0.00E+00	1.29E-06
7.00E+03	2.28E-07	0.00E+00	0.00E+00	0.00E+00	2.28E-07
8.00E+03	4.04E-08	0.00E+00	0.00E+00	0.00E+00	4.04E-08

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		7.60E-03		8.09E-06
2.00E-01		1.46E-02		1.63E-04
3.00E-01		2.00E-02		8.24E-04
4.00E-01		2.42E-02		2.40E-03
5.00E-01		2.76E-02		5.23E-03
6.00E-01		3.02E-02		9.52E-03
7.00E-01		3.23E-02		1.54E-02
8.00E-01		3.41E-02		2.27E-02
9.00E-01		3.55E-02		3.15E-02
1.00E+00	3.66E-02	3.66E-02	4.16E-02	4.16E-02
2.00E+00	5.29E-03	4.19E-02	1.33E-01	1.74E-01
3.00E+00	2.07E-03	4.40E-02	1.12E-01	2.86E-01
4.00E+00	1.48E-03	4.54E-02	6.50E-02	3.51E-01
5.00E+00	1.25E-03	4.67E-02	3.34E-02	3.85E-01
6.00E+00	1.11E-03	4.78E-02	1.67E-02	4.01E-01
7.00E+00	1.00E-03	4.88E-02	8.58E-03	4.10E-01
8.00E+00	9.17E-04	4.97E-02	4.73E-03	4.15E-01
9.00E+00	8.48E-04	5.06E-02	2.90E-03	4.18E-01
1.00E+01	7.90E-04	5.13E-02	2.03E-03	4.20E-01
2.00E+01	5.15E-04	5.74E-02	1.06E-03	4.32E-01
3.00E+01	4.27E-04	6.20E-02	9.25E-04	4.42E-01
4.00E+01	3.77E-04	6.60E-02	8.06E-04	4.50E-01
5.00E+01	3.39E-04	6.96E-02	7.01E-04	4.58E-01
6.00E+01	3.06E-04	7.28E-02	6.11E-04	4.64E-01
7.00E+01	2.78E-04	7.57E-02	5.31E-04	4.70E-01
8.00E+01	2.53E-04	7.83E-02	4.63E-04	4.75E-01
9.00E+01	2.31E-04	8.07E-02	4.03E-04	4.79E-01
1.00E+02	2.11E-04	8.29E-02	3.51E-04	4.83E-01
2.00E+02	9.90E-05	9.74E-02	8.77E-05	5.02E-01
3.00E+02	5.81E-05	1.05E-01	2.19E-05	5.06E-01
4.00E+02	4.10E-05	1.10E-01	5.48E-06	5.08E-01
5.00E+02	3.20E-05	1.13E-01	1.37E-06	5.08E-01
6.00E+02	2.62E-05	1.16E-01	3.42E-07	5.08E-01
7.00E+02	2.19E-05	1.19E-01	8.56E-08	5.08E-01
8.00E+02	1.83E-05	1.21E-01	2.14E-08	5.08E-01
9.00E+02	1.54E-05	1.22E-01	0.00E+00	5.08E-01
1.00E+03	1.29E-05	1.24E-01	0.00E+00	5.08E-01
2.00E+03	2.29E-06	1.30E-01	0.00E+00	5.08E-01
3.00E+03	4.05E-07	1.31E-01	0.00E+00	5.08E-01
4.00E+03	7.16E-08	1.31E-01	0.00E+00	5.08E-01
5.00E+03	1.27E-08	1.31E-01	0.00E+00	5.08E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	7.01E-02	2.76E-01	2.35E-01	5.54E-02	6.37E-01
2.00E-01	7.31E-02	2.65E-01	1.97E-01	9.77E-02	6.33E-01
3.00E-01	7.78E-02	2.56E-01	1.66E-01	1.30E-01	6.30E-01
4.00E-01	8.26E-02	2.47E-01	1.39E-01	1.56E-01	6.25E-01
5.00E-01	8.68E-02	2.40E-01	1.17E-01	1.76E-01	6.19E-01
6.00E-01	9.01E-02	2.33E-01	9.86E-02	1.91E-01	6.12E-01
7.00E-01	9.26E-02	2.27E-01	8.29E-02	2.02E-01	6.04E-01
8.00E-01	9.45E-02	2.21E-01	6.97E-02	2.09E-01	5.94E-01
9.00E-01	9.57E-02	2.16E-01	5.86E-02	2.14E-01	5.84E-01
1.00E+00	9.64E-02	2.11E-01	4.93E-02	2.16E-01	5.72E-01
2.00E+00	9.14E-02	1.77E-01	8.72E-03	1.61E-01	4.38E-01
3.00E+00	8.37E-02	1.60E-01	1.54E-03	8.87E-02	3.34E-01
4.00E+00	7.88E-02	1.50E-01	2.72E-04	4.47E-02	2.74E-01
5.00E+00	7.59E-02	1.45E-01	4.82E-05	2.22E-02	2.43E-01
6.00E+00	7.42E-02	1.41E-01	8.51E-06	1.15E-02	2.26E-01
7.00E+00	7.29E-02	1.38E-01	1.51E-06	6.40E-03	2.17E-01
8.00E+00	7.20E-02	1.36E-01	2.66E-07	3.98E-03	2.12E-01
9.00E+00	7.11E-02	1.34E-01	4.70E-08	2.82E-03	2.08E-01
1.00E+01	7.04E-02	1.32E-01	0.00E+00	2.25E-03	2.05E-01
2.00E+01	6.47E-02	1.16E-01	0.00E+00	1.51E-03	1.82E-01
3.00E+01	6.09E-02	1.02E-01	0.00E+00	1.31E-03	1.65E-01
4.00E+01	5.83E-02	9.01E-02	0.00E+00	1.14E-03	1.50E-01
5.00E+01	5.66E-02	7.93E-02	0.00E+00	9.93E-04	1.37E-01
6.00E+01	5.55E-02	6.98E-02	0.00E+00	8.65E-04	1.26E-01
7.00E+01	5.48E-02	6.14E-02	0.00E+00	7.53E-04	1.17E-01
8.00E+01	5.43E-02	5.40E-02	0.00E+00	6.55E-04	1.09E-01
9.00E+01	5.41E-02	4.75E-02	0.00E+00	5.71E-04	1.02E-01
1.00E+02	5.39E-02	4.18E-02	0.00E+00	4.97E-04	9.62E-02
2.00E+02	5.41E-02	1.15E-02	0.00E+00	1.24E-04	6.57E-02
3.00E+02	5.38E-02	3.15E-03	0.00E+00	3.10E-05	5.70E-02
4.00E+02	5.32E-02	8.55E-04	0.00E+00	7.76E-06	5.41E-02
5.00E+02	5.25E-02	2.31E-04	0.00E+00	1.94E-06	5.28E-02
6.00E+02	5.18E-02	6.19E-05	0.00E+00	4.85E-07	5.19E-02
7.00E+02	5.11E-02	1.65E-05	0.00E+00	1.21E-07	5.11E-02
8.00E+02	5.04E-02	4.40E-06	0.00E+00	3.03E-08	5.04E-02
9.00E+02	4.97E-02	1.16E-06	0.00E+00	0.00E+00	4.97E-02
1.00E+03	4.90E-02	3.08E-07	0.00E+00	0.00E+00	4.90E-02
2.00E+03	4.27E-02	0.00E+00	0.00E+00	0.00E+00	4.27E-02
4.00E+03	3.24E-02	0.00E+00	0.00E+00	0.00E+00	3.24E-02
5.00E+03	2.82E-02	0.00E+00	0.00E+00	0.00E+00	2.82E-02
7.00E+03	2.14E-02	0.00E+00	0.00E+00	0.00E+00	2.14E-02
8.00E+03	1.86E-02	0.00E+00	0.00E+00	0.00E+00	1.86E-02
1.00E+04	1.41E-02	0.00E+00	0.00E+00	0.00E+00	1.41E-02
2.00E+04	3.52E-03	0.00E+00	0.00E+00	0.00E+00	3.52E-03

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	24-HOUR URINE	ACCUMULATED URINE	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		1.96E-03		6.60E-04
2.00E-01		4.20E-03		1.56E-03
3.00E-01		6.48E-03		2.94E-03
4.00E-01		8.83E-03		5.17E-03
5.00E-01		1.12E-02		8.52E-03
6.00E-01		1.37E-02		1.31E-02
7.00E-01		1.61E-02		1.90E-02
8.00E-01		1.85E-02		2.62E-02
9.00E-01		2.09E-02		3.45E-02
1.00E+00	2.32E-02	2.32E-02	4.39E-02	4.39E-02
2.00E+00	1.83E-02	4.15E-02	1.16E-01	1.60E-01
3.00E+00	1.05E-02	5.20E-02	9.38E-02	2.53E-01
4.00E+00	5.83E-03	5.78E-02	5.40E-02	3.07E-01
5.00E+00	3.42E-03	6.12E-02	2.78E-02	3.35E-01
6.00E+00	2.24E-03	6.35E-02	1.41E-02	3.49E-01
7.00E+00	1.65E-03	6.51E-02	7.41E-03	3.57E-01
8.00E+00	1.36E-03	6.65E-02	4.24E-03	3.61E-01
9.00E+00	1.20E-03	6.77E-02	2.74E-03	3.64E-01
1.00E+01	1.11E-03	6.88E-02	2.01E-03	3.66E-01
2.00E+01	8.35E-04	7.81E-02	1.15E-03	3.79E-01
3.00E+01	6.71E-04	8.55E-02	9.79E-04	3.89E-01
4.00E+01	5.47E-04	9.15E-02	8.40E-04	3.98E-01
5.00E+01	4.52E-04	9.65E-02	7.23E-04	4.06E-01
6.00E+01	3.77E-04	1.01E-01	6.24E-04	4.12E-01
7.00E+01	3.19E-04	1.04E-01	5.40E-04	4.18E-01
8.00E+01	2.72E-04	1.07E-01	4.68E-04	4.23E-01
9.00E+01	2.34E-04	1.09E-01	4.07E-04	4.28E-01
1.00E+02	2.02E-04	1.12E-01	3.54E-04	4.31E-01
2.00E+02	5.96E-05	1.23E-01	9.14E-05	4.50E-01
3.00E+02	2.15E-05	1.27E-01	2.51E-05	4.56E-01
4.00E+02	1.02E-05	1.28E-01	7.86E-06	4.57E-01
5.00E+02	6.78E-06	1.29E-01	3.38E-06	4.58E-01
6.00E+02	5.76E-06	1.29E-01	2.20E-06	4.58E-01
7.00E+02	5.42E-06	1.30E-01	1.88E-06	4.58E-01
8.00E+02	5.27E-06	1.31E-01	1.77E-06	4.58E-01
9.00E+02	5.18E-06	1.31E-01	1.73E-06	4.58E-01
1.00E+03	5.10E-06	1.32E-01	1.70E-06	4.58E-01
2.00E+03	4.44E-06	1.36E-01	1.48E-06	4.60E-01
4.00E+03	3.36E-06	1.44E-01	1.12E-06	4.63E-01
5.00E+03	2.93E-06	1.47E-01	9.76E-07	4.64E-01
7.00E+03	2.22E-06	1.52E-01	7.40E-07	4.65E-01
8.00E+03	1.93E-06	1.54E-01	6.44E-07	4.66E-01
1.00E+04	1.46E-06	1.58E-01	4.88E-07	4.67E-01
2.00E+04	3.66E-07	1.66E-01	1.22E-07	4.70E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	7.10E-02	2.76E-01	2.35E-01	5.72E-02	6.39E-01
2.00E-01	7.11E-02	2.65E-01	1.97E-01	1.05E-01	6.39E-01
3.00E-01	7.12E-02	2.56E-01	1.66E-01	1.45E-01	6.38E-01
4.00E-01	7.13E-02	2.47E-01	1.39E-01	1.79E-01	6.37E-01
5.00E-01	7.14E-02	2.40E-01	1.17E-01	2.06E-01	6.34E-01
6.00E-01	7.15E-02	2.33E-01	9.86E-02	2.27E-01	6.30E-01
7.00E-01	7.16E-02	2.27E-01	8.29E-02	2.43E-01	6.24E-01
8.00E-01	7.16E-02	2.21E-01	6.97E-02	2.54E-01	6.16E-01
9.00E-01	7.17E-02	2.16E-01	5.86E-02	2.61E-01	6.07E-01
1.00E+00	7.18E-02	2.11E-01	4.93E-02	2.65E-01	5.97E-01
2.00E+00	7.24E-02	1.77E-01	8.72E-03	2.03E-01	4.62E-01
3.00E+00	7.29E-02	1.60E-01	1.54E-03	1.13E-01	3.47E-01
4.00E+00	7.34E-02	1.50E-01	2.72E-04	5.72E-02	2.81E-01
5.00E+00	7.39E-02	1.45E-01	4.82E-05	2.85E-02	2.47E-01
6.00E+00	7.44E-02	1.41E-01	8.51E-06	1.47E-02	2.30E-01
7.00E+00	7.48E-02	1.38E-01	1.51E-06	8.13E-03	2.21E-01
8.00E+00	7.53E-02	1.36E-01	2.66E-07	5.03E-03	2.16E-01
9.00E+00	7.58E-02	1.34E-01	4.70E-08	3.54E-03	2.13E-01
1.00E+01	7.62E-02	1.32E-01	0.00E+00	2.81E-03	2.11E-01
2.00E+01	8.06E-02	1.16E-01	0.00E+00	1.87E-03	1.99E-01
3.00E+01	8.45E-02	1.02E-01	0.00E+00	1.63E-03	1.88E-01
4.00E+01	8.81E-02	9.01E-02	0.00E+00	1.42E-03	1.80E-01
5.00E+01	9.12E-02	7.93E-02	0.00E+00	1.23E-03	1.72E-01
6.00E+01	9.41E-02	6.98E-02	0.00E+00	1.07E-03	1.65E-01
7.00E+01	9.67E-02	6.14E-02	0.00E+00	9.35E-04	1.59E-01
8.00E+01	9.89E-02	5.40E-02	0.00E+00	8.14E-04	1.54E-01
9.00E+01	1.01E-01	4.75E-02	0.00E+00	7.09E-04	1.49E-01
1.00E+02	1.03E-01	4.18E-02	0.00E+00	6.17E-04	1.45E-01
2.00E+02	1.12E-01	1.15E-02	0.00E+00	1.54E-04	1.24E-01
3.00E+02	1.14E-01	3.15E-03	0.00E+00	3.86E-05	1.17E-01
4.00E+02	1.12E-01	8.55E-04	0.00E+00	9.64E-06	1.13E-01
5.00E+02	1.11E-01	2.31E-04	0.00E+00	2.41E-06	1.11E-01
6.00E+02	1.09E-01	6.19E-05	0.00E+00	6.03E-07	1.09E-01
7.00E+02	1.06E-01	1.65E-05	0.00E+00	1.51E-07	1.06E-01
8.00E+02	1.04E-01	4.40E-06	0.00E+00	3.77E-08	1.04E-01
9.00E+02	1.02E-01	1.16E-06	0.00E+00	0.00E+00	1.02E-01
1.00E+03	1.00E-01	3.08E-07	0.00E+00	0.00E+00	1.00E-01
2.00E+03	8.23E-02	0.00E+00	0.00E+00	0.00E+00	8.23E-02
4.00E+03	5.54E-02	0.00E+00	0.00E+00	0.00E+00	5.54E-02
5.00E+03	4.54E-02	0.00E+00	0.00E+00	0.00E+00	4.54E-02
7.00E+03	3.06E-02	0.00E+00	0.00E+00	0.00E+00	3.06E-02
8.00E+03	2.51E-02	0.00E+00	0.00E+00	0.00E+00	2.51E-02
1.00E+04	1.69E-02	0.00E+00	0.00E+00	0.00E+00	1.69E-02
2.00E+04	2.33E-03	0.00E+00	0.00E+00	0.00E+00	2.33E-03

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		1.20E-06		8.10E-06
2.00E-01		2.61E-06		1.64E-04
3.00E-01		4.02E-06		8.29E-04
4.00E-01		5.43E-06		2.42E-03
5.00E-01		6.84E-06		5.28E-03
6.00E-01		8.26E-06		9.61E-03
7.00E-01		9.67E-06		1.55E-02
8.00E-01		1.11E-05		2.30E-02
9.00E-01		1.25E-05		3.19E-02
1.00E+00	1.39E-05	1.39E-05	4.21E-02	4.21E-02
2.00E+00	1.43E-05	2.82E-05	1.35E-01	1.77E-01
3.00E+00	1.44E-05	4.26E-05	1.14E-01	2.92E-01
4.00E+00	1.45E-05	5.71E-05	6.64E-02	3.58E-01
5.00E+00	1.46E-05	7.16E-05	3.41E-02	3.92E-01
6.00E+00	1.47E-05	8.63E-05	1.71E-02	4.09E-01
7.00E+00	1.48E-05	1.01E-04	8.77E-03	4.18E-01
8.00E+00	1.49E-05	1.16E-04	4.83E-03	4.23E-01
9.00E+00	1.50E-05	1.31E-04	2.96E-03	4.26E-01
1.00E+01	1.50E-05	1.46E-04	2.07E-03	4.28E-01
2.00E+01	1.59E-05	3.01E-04	1.08E-03	4.40E-01
3.00E+01	1.67E-05	4.65E-04	9.43E-04	4.50E-01
4.00E+01	1.74E-05	6.36E-04	8.21E-04	4.59E-01
5.00E+01	1.80E-05	8.13E-04	7.15E-04	4.67E-01
6.00E+01	1.86E-05	9.97E-04	6.22E-04	4.73E-01
7.00E+01	1.91E-05	1.19E-03	5.42E-04	4.79E-01
8.00E+01	1.96E-05	1.38E-03	4.72E-04	4.84E-01
9.00E+01	2.00E-05	1.58E-03	4.11E-04	4.88E-01
1.00E+02	2.03E-05	1.78E-03	3.57E-04	4.92E-01
2.00E+02	2.22E-05	3.93E-03	8.94E-05	5.11E-01
3.00E+02	2.25E-05	6.17E-03	2.23E-05	5.16E-01
4.00E+02	2.23E-05	8.41E-03	5.59E-06	5.17E-01
5.00E+02	2.19E-05	1.06E-02	1.40E-06	5.18E-01
6.00E+02	2.15E-05	1.28E-02	3.49E-07	5.18E-01
7.00E+02	2.11E-05	1.49E-02	8.73E-08	5.18E-01
8.00E+02	2.07E-05	1.70E-02	2.18E-08	5.18E-01
9.00E+02	2.03E-05	1.90E-02	0.00E+00	5.18E-01
1.00E+03	1.99E-05	2.11E-02	0.00E+00	5.18E-01
2.00E+03	1.63E-05	3.91E-02	0.00E+00	5.18E-01
4.00E+03	1.10E-05	6.60E-02	0.00E+00	5.18E-01
8.00E+03	4.97E-06	9.63E-02	0.00E+00	5.18E-01
1.00E+04	3.34E-06	1.04E-01	0.00E+00	5.18E-01

CLASS W AMAD = 1 MICRON HALFLIFE= 1.68E+00 DAYS LANTHANUM 140

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	6.81E-02	2.65E-01	2.25E-01	5.48E-02	6.13E-01
2.00E-01	6.55E-02	2.44E-01	1.82E-01	9.69E-02	5.88E-01
3.00E-01	6.29E-02	2.26E-01	1.47E-01	1.29E-01	5.64E-01
4.00E-01	6.04E-02	2.10E-01	1.18E-01	1.51E-01	5.40E-01
5.00E-01	5.81E-02	1.95E-01	9.54E-02	1.67E-01	5.16E-01
6.00E-01	5.58E-02	1.82E-01	7.70E-02	1.77E-01	4.91E-01
7.00E-01	5.36E-02	1.70E-01	6.21E-02	1.82E-01	4.67E-01
8.00E-01	5.15E-02	1.59E-01	5.01E-02	1.82E-01	4.43E-01
9.00E-01	4.94E-02	1.49E-01	4.04E-02	1.80E-01	4.19E-01
1.00E+00	4.75E-02	1.39E-01	3.26E-02	1.75E-01	3.95E-01
2.00E+00	3.17E-02	7.76E-02	3.82E-03	8.90E-02	2.02E-01
3.00E+00	2.11E-02	4.63E-02	4.46E-04	3.28E-02	1.01E-01
4.00E+00	1.41E-02	2.88E-02	5.22E-05	1.10E-02	5.39E-02
5.00E+00	9.37E-03	1.83E-02	6.11E-06	3.61E-03	3.13E-02
6.00E+00	6.24E-03	1.18E-02	7.14E-07	1.23E-03	1.93E-02
7.00E+00	4.15E-03	7.66E-03	8.35E-08	4.51E-04	1.23E-02
8.00E+00	2.76E-03	4.99E-03	0.00E+00	1.85E-04	7.94E-03
9.00E+00	1.84E-03	3.25E-03	0.00E+00	8.61E-05	5.18E-03
1.00E+01	1.23E-03	2.12E-03	0.00E+00	4.52E-05	3.39E-03
2.00E+01	2.08E-05	3.00E-05	0.00E+00	4.83E-07	5.13E-05
3.00E+01	3.51E-07	4.25E-07	0.00E+00	0.00E+00	7.75E-07

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		1.15E-06		7.77E-06
2.00E-01		2.40E-06		1.51E-04
3.00E-01		3.55E-06		7.32E-04
4.00E-01		4.60E-06		2.05E-03
5.00E-01		5.57E-06		4.29E-03
6.00E-01		6.45E-06		7.50E-03
7.00E-01		7.25E-06		1.16E-02
8.00E-01		7.97E-06		1.65E-02
9.00E-01		8.63E-06		2.20E-02
1.00E+00	9.22E-06	9.22E-06	2.79E-02	2.79E-02
2.00E+00	6.25E-06	1.23E-05	5.92E-02	7.76E-02
3.00E+00	4.16E-06	1.23E-05	3.31E-02	8.44E-02
4.00E+00	2.77E-06	1.09E-05	1.27E-02	6.86E-02
5.00E+00	1.85E-06	9.08E-06	4.33E-03	4.97E-02
6.00E+00	1.23E-06	7.24E-06	1.43E-03	3.43E-02
7.00E+00	8.20E-07	5.61E-06	4.87E-04	2.32E-02
8.00E+00	5.46E-07	4.26E-06	1.77E-04	1.55E-02
9.00E+00	3.63E-07	3.18E-06	7.20E-05	1.03E-02
1.00E+01	2.42E-07	2.35E-06	3.32E-05	6.88E-03

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	7.10E-02	2.76E-01	2.35E-01	5.72E-02	6.39E-01
2.00E-01	7.11E-02	2.65E-01	1.97E-01	1.05E-01	6.39E-01
3.00E-01	7.12E-02	2.56E-01	1.66E-01	1.46E-01	6.38E-01
4.00E-01	7.12E-02	2.47E-01	1.39E-01	1.79E-01	6.37E-01
5.00E-01	7.13E-02	2.40E-01	1.17E-01	2.06E-01	6.34E-01
6.00E-01	7.14E-02	2.33E-01	9.86E-02	2.27E-01	6.30E-01
7.00E-01	7.14E-02	2.27E-01	8.29E-02	2.43E-01	6.24E-01
8.00E-01	7.15E-02	2.21E-01	6.97E-02	2.54E-01	6.16E-01
9.00E-01	7.15E-02	2.16E-01	5.86E-02	2.61E-01	6.07E-01
1.00E+00	7.16E-02	2.11E-01	4.93E-02	2.65E-01	5.97E-01
2.00E+00	7.21E-02	1.77E-01	8.72E-03	2.03E-01	4.62E-01
3.00E+00	7.26E-02	1.60E-01	1.54E-03	1.13E-01	3.47E-01
4.00E+00	7.31E-02	1.50E-01	2.72E-04	5.72E-02	2.81E-01
5.00E+00	7.36E-02	1.45E-01	4.82E-05	2.85E-02	2.47E-01
6.00E+00	7.41E-02	1.41E-01	8.51E-06	1.47E-02	2.30E-01
7.00E+00	7.45E-02	1.38E-01	1.51E-06	8.14E-03	2.21E-01
8.00E+00	7.50E-02	1.36E-01	2.66E-07	5.04E-03	2.16E-01
9.00E+00	7.55E-02	1.34E-01	4.70E-08	3.55E-03	2.13E-01
1.00E+01	7.59E-02	1.32E-01	0.00E+00	2.82E-03	2.11E-01
2.00E+01	8.03E-02	1.16E-01	0.00E+00	1.87E-03	1.98E-01
3.00E+01	8.42E-02	1.02E-01	0.00E+00	1.63E-03	1.88E-01
4.00E+01	8.77E-02	9.01E-02	0.00E+00	1.42E-03	1.79E-01
5.00E+01	9.09E-02	7.93E-02	0.00E+00	1.23E-03	1.71E-01
6.00E+01	9.38E-02	6.98E-02	0.00E+00	1.07E-03	1.65E-01
7.00E+01	9.63E-02	6.14E-02	0.00E+00	9.36E-04	1.59E-01
8.00E+01	9.86E-02	5.40E-02	0.00E+00	8.15E-04	1.53E-01
9.00E+01	1.01E-01	4.75E-02	0.00E+00	7.09E-04	1.49E-01
1.00E+02	1.02E-01	4.18E-02	0.00E+00	6.17E-04	1.45E-01
2.00E+02	1.12E-01	1.15E-02	0.00E+00	1.54E-04	1.23E-01
3.00E+02	1.13E-01	3.15E-03	0.00E+00	3.86E-05	1.16E-01
4.00E+02	1.12E-01	8.55E-04	0.00E+00	9.65E-06	1.13E-01
5.00E+02	1.10E-01	2.31E-04	0.00E+00	2.41E-06	1.10E-01
6.00E+02	1.08E-01	6.19E-05	0.00E+00	6.03E-07	1.08E-01
7.00E+02	1.06E-01	1.65E-05	0.00E+00	1.51E-07	1.06E-01
8.00E+02	1.04E-01	4.40E-06	0.00E+00	3.77E-08	1.04E-01
9.00E+02	1.02E-01	1.16E-06	0.00E+00	0.00E+00	1.02E-01
1.00E+03	1.00E-01	3.08E-07	0.00E+00	0.00E+00	1.00E-01
2.00E+03	8.20E-02	0.00E+00	0.00E+00	0.00E+00	8.20E-02
4.00E+03	5.52E-02	0.00E+00	0.00E+00	0.00E+00	5.52E-02
5.00E+03	4.53E-02	0.00E+00	0.00E+00	0.00E+00	4.53E-02
7.00E+03	3.05E-02	0.00E+00	0.00E+00	0.00E+00	3.05E-02
8.00E+03	2.50E-02	0.00E+00	0.00E+00	0.00E+00	2.50E-02
1.00E+04	1.68E-02	0.00E+00	0.00E+00	0.00E+00	1.68E-02
2.00E+04	2.32E-03	0.00E+00	0.00E+00	0.00E+00	2.32E-03

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		1.20E-06		8.10E-06
2.00E-01		2.61E-06		1.64E-04
3.00E-01		4.02E-06		8.29E-04
4.00E-01		5.43E-06		2.42E-03
5.00E-01		6.84E-06		5.28E-03
6.00E-01		8.25E-06		9.61E-03
7.00E-01		9.67E-06		1.55E-02
8.00E-01		1.11E-05		2.30E-02
9.00E-01		1.25E-05		3.19E-02
1.00E+00	1.39E-05	1.39E-05	4.21E-02	4.21E-02
2.00E+00	1.42E-05	2.81E-05	1.35E-01	1.77E-01
3.00E+00	1.43E-05	4.25E-05	1.14E-01	2.92E-01
4.00E+00	1.44E-05	5.69E-05	6.65E-02	3.58E-01
5.00E+00	1.45E-05	7.14E-05	3.42E-02	3.92E-01
6.00E+00	1.46E-05	8.60E-05	1.71E-02	4.09E-01
7.00E+00	1.47E-05	1.01E-04	8.78E-03	4.18E-01
8.00E+00	1.48E-05	1.16E-04	4.84E-03	4.23E-01
9.00E+00	1.49E-05	1.30E-04	2.97E-03	4.26E-01
1.00E+01	1.50E-05	1.45E-04	2.07E-03	4.28E-01
2.00E+01	1.59E-05	3.00E-04	1.09E-03	4.40E-01
3.00E+01	1.66E-05	4.63E-04	9.44E-04	4.51E-01
4.00E+01	1.73E-05	6.33E-04	8.22E-04	4.59E-01
5.00E+01	1.80E-05	8.10E-04	7.15E-04	4.67E-01
6.00E+01	1.85E-05	9.93E-04	6.23E-04	4.74E-01
7.00E+01	1.90E-05	1.18E-03	5.42E-04	4.79E-01
8.00E+01	1.95E-05	1.37E-03	4.72E-04	4.84E-01
9.00E+01	1.99E-05	1.57E-03	4.11E-04	4.89E-01
1.00E+02	2.03E-05	1.77E-03	3.58E-04	4.93E-01
2.00E+02	2.21E-05	3.91E-03	8.94E-05	5.12E-01
3.00E+02	2.24E-05	6.15E-03	2.24E-05	5.17E-01
4.00E+02	2.22E-05	8.38E-03	5.59E-06	5.18E-01
5.00E+02	2.18E-05	1.06E-02	1.40E-06	5.18E-01
6.00E+02	2.14E-05	1.27E-02	3.49E-07	5.18E-01
7.00E+02	2.10E-05	1.49E-02	8.73E-08	5.18E-01
8.00E+02	2.06E-05	1.69E-02	2.18E-08	5.18E-01
9.00E+02	2.02E-05	1.90E-02	0.00E+00	5.18E-01
1.00E+03	1.98E-05	2.10E-02	0.00E+00	5.18E-01
2.00E+03	1.62E-05	3.90E-02	0.00E+00	5.18E-01
4.00E+03	1.09E-05	6.58E-02	0.00E+00	5.18E-01
8.00E+03	4.95E-06	9.60E-02	0.00E+00	5.18E-01
1.00E+04	3.33E-06	1.04E-01	0.00E+00	5.18E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	7.08E-02	2.76E-01	2.34E-01	5.70E-02	6.38E-01
2.00E-01	7.08E-02	2.64E-01	1.96E-01	1.05E-01	6.36E-01
3.00E-01	7.07E-02	2.54E-01	1.65E-01	1.45E-01	6.34E-01
4.00E-01	7.06E-02	2.45E-01	1.38E-01	1.77E-01	6.31E-01
5.00E-01	7.05E-02	2.37E-01	1.16E-01	2.03E-01	6.27E-01
6.00E-01	7.04E-02	2.30E-01	9.74E-02	2.24E-01	6.21E-01
7.00E-01	7.04E-02	2.23E-01	8.17E-02	2.39E-01	6.14E-01
8.00E-01	7.03E-02	2.17E-01	6.86E-02	2.50E-01	6.06E-01
9.00E-01	7.02E-02	2.11E-01	5.75E-02	2.56E-01	5.96E-01
1.00E+00	7.01E-02	2.06E-01	4.83E-02	2.60E-01	5.84E-01
2.00E+00	6.91E-02	1.70E-01	8.35E-03	1.95E-01	4.42E-01
3.00E+00	6.81E-02	1.50E-01	1.45E-03	1.06E-01	3.26E-01
4.00E+00	6.71E-02	1.38E-01	2.50E-04	5.25E-02	2.58E-01
5.00E+00	6.61E-02	1.30E-01	4.33E-05	2.56E-02	2.22E-01
6.00E+00	6.52E-02	1.24E-01	7.49E-06	1.29E-02	2.02E-01
7.00E+00	6.42E-02	1.19E-01	1.30E-06	7.01E-03	1.90E-01
8.00E+00	6.32E-02	1.15E-01	2.24E-07	4.25E-03	1.82E-01
9.00E+00	6.23E-02	1.11E-01	3.88E-08	2.93E-03	1.76E-01
1.00E+01	6.13E-02	1.07E-01	0.00E+00	2.28E-03	1.70E-01
2.00E+01	5.24E-02	7.59E-02	0.00E+00	1.22E-03	1.29E-01
3.00E+01	4.44E-02	5.40E-02	0.00E+00	8.59E-04	9.92E-02
4.00E+01	3.74E-02	3.84E-02	0.00E+00	6.04E-04	7.64E-02
5.00E+01	3.13E-02	2.73E-02	0.00E+00	4.25E-04	5.90E-02
6.00E+01	2.61E-02	1.94E-02	0.00E+00	2.99E-04	4.58E-02
7.00E+01	2.16E-02	1.38E-02	0.00E+00	2.10E-04	3.56E-02
8.00E+01	1.79E-02	9.80E-03	0.00E+00	1.48E-04	2.79E-02
9.00E+01	1.48E-02	6.97E-03	0.00E+00	1.04E-04	2.18E-02
1.00E+02	1.21E-02	4.95E-03	0.00E+00	7.32E-05	1.72E-02
2.00E+02	1.57E-03	1.62E-04	0.00E+00	2.17E-06	1.73E-03
3.00E+02	1.88E-04	5.25E-06	0.00E+00	6.42E-08	1.94E-04
4.00E+02	2.21E-05	1.69E-07	0.00E+00	0.00E+00	2.23E-05
5.00E+02	2.58E-06	0.00E+00	0.00E+00	0.00E+00	2.58E-06
6.00E+02	3.00E-07	0.00E+00	0.00E+00	0.00E+00	3.00E-07
7.00E+02	3.48E-08	0.00E+00	0.00E+00	0.00E+00	3.48E-08

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		1.20E-06		8.08E-06
2.00E-01		2.60E-06		1.63E-04
3.00E-01		3.99E-06		8.24E-04
4.00E-01		5.38E-06		2.40E-03
5.00E-01		6.77E-06		5.22E-03
6.00E-01		8.15E-06		9.49E-03
7.00E-01		9.52E-06		1.53E-02
8.00E-01		1.09E-05		2.26E-02
9.00E-01		1.23E-05		3.13E-02
1.00E+00	1.36E-05	1.36E-05	4.13E-02	4.13E-02
2.00E+00	1.36E-05	2.70E-05	1.30E-01	1.70E-01
3.00E+00	1.34E-05	3.98E-05	1.07E-01	2.74E-01
4.00E+00	1.32E-05	5.22E-05	6.10E-02	3.29E-01
5.00E+00	1.31E-05	6.42E-05	3.07E-02	3.53E-01
6.00E+00	1.29E-05	7.57E-05	1.50E-02	3.60E-01
7.00E+00	1.27E-05	8.68E-05	7.56E-03	3.60E-01
8.00E+00	1.25E-05	9.74E-05	4.08E-03	3.57E-01
9.00E+00	1.23E-05	1.08E-04	2.45E-03	3.52E-01
1.00E+01	1.21E-05	1.17E-04	1.67E-03	3.46E-01
2.00E+01	1.03E-05	1.96E-04	7.08E-04	2.88E-01
3.00E+01	8.77E-06	2.44E-04	4.98E-04	2.38E-01
4.00E+01	7.39E-06	2.70E-04	3.50E-04	1.96E-01
5.00E+01	6.19E-06	2.79E-04	2.46E-04	1.61E-01
6.00E+01	5.16E-06	2.76E-04	1.73E-04	1.32E-01
7.00E+01	4.28E-06	2.65E-04	1.22E-04	1.08E-01
8.00E+01	3.54E-06	2.50E-04	8.57E-05	8.79E-02
9.00E+01	2.92E-06	2.31E-04	6.03E-05	7.17E-02
1.00E+02	2.40E-06	2.10E-04	4.24E-05	5.84E-02
2.00E+02	3.11E-07	5.50E-05	1.26E-06	7.19E-03
3.00E+02	3.73E-08	1.02E-05	3.72E-08	8.60E-04

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	7.10E-02	2.76E-01	2.35E-01	5.71E-02	6.39E-01
2.00E-01	7.11E-02	2.65E-01	1.97E-01	1.05E-01	6.39E-01
3.00E-01	7.11E-02	2.56E-01	1.66E-01	1.45E-01	6.38E-01
4.00E-01	7.12E-02	2.47E-01	1.39E-01	1.79E-01	6.36E-01
5.00E-01	7.12E-02	2.39E-01	1.17E-01	2.05E-01	6.33E-01
6.00E-01	7.12E-02	2.32E-01	9.85E-02	2.26E-01	6.29E-01
7.00E-01	7.13E-02	2.26E-01	8.28E-02	2.42E-01	6.23E-01
8.00E-01	7.13E-02	2.20E-01	6.96E-02	2.54E-01	6.15E-01
9.00E-01	7.14E-02	2.15E-01	5.85E-02	2.61E-01	6.06E-01
1.00E+00	7.14E-02	2.10E-01	4.92E-02	2.65E-01	5.96E-01
2.00E+00	7.18E-02	1.76E-01	8.68E-03	2.03E-01	4.59E-01
3.00E+00	7.21E-02	1.59E-01	1.53E-03	1.12E-01	3.45E-01
4.00E+00	7.24E-02	1.49E-01	2.70E-04	5.67E-02	2.78E-01
5.00E+00	7.27E-02	1.43E-01	4.76E-05	2.81E-02	2.44E-01
6.00E+00	7.30E-02	1.39E-01	8.39E-06	1.45E-02	2.26E-01
7.00E+00	7.33E-02	1.36E-01	1.48E-06	8.00E-03	2.17E-01
8.00E+00	7.36E-02	1.33E-01	2.61E-07	4.94E-03	2.12E-01
9.00E+00	7.38E-02	1.31E-01	4.60E-08	3.47E-03	2.08E-01
1.00E+01	7.41E-02	1.29E-01	0.00E+00	2.75E-03	2.06E-01
2.00E+01	7.65E-02	1.11E-01	0.00E+00	1.78E-03	1.89E-01
3.00E+01	7.83E-02	9.51E-02	0.00E+00	1.51E-03	1.75E-01
4.00E+01	7.96E-02	8.17E-02	0.00E+00	1.29E-03	1.63E-01
5.00E+01	8.05E-02	7.02E-02	0.00E+00	1.09E-03	1.52E-01
6.00E+01	8.10E-02	6.03E-02	0.00E+00	9.29E-04	1.42E-01
7.00E+01	8.12E-02	5.17E-02	0.00E+00	7.89E-04	1.34E-01
8.00E+01	8.11E-02	4.44E-02	0.00E+00	6.70E-04	1.26E-01
9.00E+01	8.08E-02	3.81E-02	0.00E+00	5.69E-04	1.20E-01
1.00E+02	8.03E-02	3.27E-02	0.00E+00	4.84E-04	1.13E-01
2.00E+02	6.87E-02	7.08E-03	0.00E+00	9.48E-05	7.58E-02
3.00E+02	5.45E-02	1.52E-03	0.00E+00	1.86E-05	5.60E-02
4.00E+02	4.23E-02	3.23E-04	0.00E+00	3.64E-06	4.26E-02
5.00E+02	3.26E-02	6.82E-05	0.00E+00	7.13E-07	3.27E-02
6.00E+02	2.51E-02	1.43E-05	0.00E+00	1.40E-07	2.51E-02
7.00E+02	1.93E-02	3.00E-06	0.00E+00	2.74E-08	1.93E-02
8.00E+02	1.48E-02	6.25E-07	0.00E+00	0.00E+00	1.48E-02
9.00E+02	1.14E-02	1.30E-07	0.00E+00	0.00E+00	1.14E-02
1.00E+03	8.73E-03	2.69E-08	0.00E+00	0.00E+00	8.73E-03
2.00E+03	6.26E-04	0.00E+00	0.00E+00	0.00E+00	6.26E-04
3.00E+03	4.48E-05	0.00E+00	0.00E+00	0.00E+00	4.48E-05
4.00E+03	3.21E-06	0.00E+00	0.00E+00	0.00E+00	3.21E-06
5.00E+03	2.30E-07	0.00E+00	0.00E+00	0.00E+00	2.30E-07
6.00E+03	1.65E-08	0.00E+00	0.00E+00	0.00E+00	1.65E-08

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		1.20E-06		8.10E-06
2.00E-01		2.61E-06		1.64E-04
3.00E-01		4.02E-06		8.28E-04
4.00E-01		5.42E-06		2.42E-03
5.00E-01		6.83E-06		5.27E-03
6.00E-01		8.24E-06		9.60E-03
7.00E-01		9.65E-06		1.55E-02
8.00E-01		1.11E-05		2.29E-02
9.00E-01		1.25E-05		3.18E-02
1.00E+00	1.39E-05	1.39E-05	4.20E-02	4.20E-02
2.00E+00	1.42E-05	2.80E-05	1.35E-01	1.77E-01
3.00E+00	1.42E-05	4.22E-05	1.13E-01	2.90E-01
4.00E+00	1.43E-05	5.63E-05	6.58E-02	3.55E-01
5.00E+00	1.43E-05	7.05E-05	3.37E-02	3.88E-01
6.00E+00	1.44E-05	8.48E-05	1.68E-02	4.04E-01
7.00E+00	1.45E-05	9.90E-05	8.63E-03	4.11E-01
8.00E+00	1.45E-05	1.13E-04	4.74E-03	4.15E-01
9.00E+00	1.46E-05	1.28E-04	2.90E-03	4.17E-01
1.00E+01	1.46E-05	1.42E-04	2.02E-03	4.18E-01
2.00E+01	1.51E-05	2.86E-04	1.03E-03	4.19E-01
3.00E+01	1.55E-05	4.30E-04	8.77E-04	4.19E-01
4.00E+01	1.57E-05	5.74E-04	7.45E-04	4.17E-01
5.00E+01	1.59E-05	7.17E-04	6.33E-04	4.13E-01
6.00E+01	1.60E-05	8.58E-04	5.38E-04	4.09E-01
7.00E+01	1.61E-05	9.96E-04	4.57E-04	4.04E-01
8.00E+01	1.60E-05	1.13E-03	3.88E-04	3.99E-01
9.00E+01	1.60E-05	1.26E-03	3.30E-04	3.92E-01
1.00E+02	1.59E-05	1.39E-03	2.80E-04	3.86E-01
2.00E+02	1.36E-05	2.40E-03	5.49E-05	3.14E-01
3.00E+02	1.08E-05	2.96E-03	1.08E-05	2.49E-01
4.00E+02	8.37E-06	3.16E-03	2.11E-06	1.95E-01
5.00E+02	6.45E-06	3.13E-03	4.13E-07	1.53E-01
6.00E+02	4.96E-06	2.95E-03	8.09E-08	1.20E-01
7.00E+02	3.81E-06	2.70E-03	1.58E-08	9.40E-02
8.00E+02	2.93E-06	2.41E-03	0.00E+00	7.37E-02
9.00E+02	2.25E-06	2.12E-03	0.00E+00	5.77E-02
1.00E+03	1.73E-06	1.83E-03	0.00E+00	4.52E-02
2.00E+03	1.24E-07	2.97E-04	0.00E+00	3.95E-03

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	6.95E-02	2.76E-01	2.35E-01	5.72E-02	6.38E-01
2.00E-01	6.82E-02	2.65E-01	1.97E-01	1.05E-01	6.36E-01
3.00E-01	6.72E-02	2.56E-01	1.66E-01	1.46E-01	6.34E-01
4.00E-01	6.65E-02	2.47E-01	1.39E-01	1.79E-01	6.32E-01
5.00E-01	6.59E-02	2.40E-01	1.17E-01	2.06E-01	6.28E-01
6.00E-01	6.55E-02	2.33E-01	9.86E-02	2.27E-01	6.24E-01
7.00E-01	6.52E-02	2.27E-01	8.29E-02	2.43E-01	6.17E-01
8.00E-01	6.50E-02	2.21E-01	6.97E-02	2.54E-01	6.10E-01
9.00E-01	6.48E-02	2.16E-01	5.86E-02	2.61E-01	6.00E-01
1.00E+00	6.47E-02	2.11E-01	4.93E-02	2.65E-01	5.90E-01
2.00E+00	6.45E-02	1.77E-01	8.72E-03	2.03E-01	4.54E-01
3.00E+00	6.47E-02	1.60E-01	1.54E-03	1.13E-01	3.39E-01
4.00E+00	6.49E-02	1.50E-01	2.72E-04	5.72E-02	2.73E-01
5.00E+00	6.52E-02	1.45E-01	4.82E-05	2.85E-02	2.38E-01
6.00E+00	6.54E-02	1.41E-01	8.51E-06	1.47E-02	2.21E-01
7.00E+00	6.57E-02	1.38E-01	1.51E-06	8.14E-03	2.12E-01
8.00E+00	6.60E-02	1.36E-01	2.66E-07	5.04E-03	2.07E-01
9.00E+00	6.62E-02	1.34E-01	4.70E-08	3.55E-03	2.04E-01
1.00E+01	6.65E-02	1.32E-01	0.00E+00	2.82E-03	2.01E-01
2.00E+01	6.94E-02	1.16E-01	0.00E+00	1.87E-03	1.87E-01
3.00E+01	7.23E-02	1.02E-01	0.00E+00	1.63E-03	1.76E-01
4.00E+01	7.51E-02	9.01E-02	0.00E+00	1.42E-03	1.67E-01
5.00E+01	7.77E-02	7.93E-02	0.00E+00	1.23E-03	1.58E-01
6.00E+01	8.00E-02	6.98E-02	0.00E+00	1.07E-03	1.51E-01
7.00E+01	8.21E-02	6.14E-02	0.00E+00	9.36E-04	1.44E-01
8.00E+01	8.40E-02	5.40E-02	0.00E+00	8.15E-04	1.39E-01
9.00E+01	8.57E-02	4.75E-02	0.00E+00	7.09E-04	1.34E-01
1.00E+02	8.72E-02	4.18E-02	0.00E+00	6.17E-04	1.30E-01
2.00E+02	9.51E-02	1.15E-02	0.00E+00	1.54E-04	1.07E-01
3.00E+02	9.63E-02	3.15E-03	0.00E+00	3.86E-05	9.95E-02
4.00E+02	9.53E-02	8.55E-04	0.00E+00	9.65E-06	9.62E-02
5.00E+02	9.37E-02	2.31E-04	0.00E+00	2.41E-06	9.40E-02
6.00E+02	9.20E-02	6.19E-05	0.00E+00	6.03E-07	9.20E-02
7.00E+02	9.02E-02	1.65E-05	0.00E+00	1.51E-07	9.02E-02
8.00E+02	8.84E-02	4.40E-06	0.00E+00	3.77E-08	8.84E-02
9.00E+02	8.67E-02	1.16E-06	0.00E+00	0.00E+00	8.67E-02
1.00E+03	8.50E-02	3.08E-07	0.00E+00	0.00E+00	8.50E-02
2.00E+03	6.97E-02	0.00E+00	0.00E+00	0.00E+00	6.97E-02
4.00E+03	4.69E-02	0.00E+00	0.00E+00	0.00E+00	4.69E-02
5.00E+03	3.85E-02	0.00E+00	0.00E+00	0.00E+00	3.85E-02
7.00E+03	2.59E-02	0.00E+00	0.00E+00	0.00E+00	2.59E-02
8.00E+03	2.13E-02	0.00E+00	0.00E+00	0.00E+00	2.13E-02
1.00E+04	1.43E-02	0.00E+00	0.00E+00	0.00E+00	1.43E-02
2.00E+04	1.98E-03	0.00E+00	0.00E+00	0.00E+00	1.98E-03

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		1.52E-03		8.10E-06
2.00E-01		2.90E-03		1.64E-04
3.00E-01		3.96E-03		8.29E-04
4.00E-01		4.77E-03		2.42E-03
5.00E-01		5.39E-03		5.28E-03
6.00E-01		5.86E-03		9.61E-03
7.00E-01		6.23E-03		1.55E-02
8.00E-01		6.52E-03		2.30E-02
9.00E-01		6.75E-03		3.19E-02
1.00E+00	6.92E-03	6.92E-03	4.21E-02	4.21E-02
2.00E+00	7.26E-04	7.65E-03	1.35E-01	1.77E-01
3.00E+00	3.03E-04	7.95E-03	1.14E-01	2.92E-01
4.00E+00	2.64E-04	8.22E-03	6.65E-02	3.58E-01
5.00E+00	2.50E-04	8.47E-03	3.42E-02	3.92E-01
6.00E+00	2.39E-04	8.71E-03	1.71E-02	4.09E-01
7.00E+00	2.28E-04	8.93E-03	8.78E-03	4.18E-01
8.00E+00	2.18E-04	9.15E-03	4.84E-03	4.23E-01
9.00E+00	2.09E-04	9.36E-03	2.97E-03	4.26E-01
1.00E+01	2.00E-04	9.56E-03	2.07E-03	4.28E-01
2.00E+01	1.38E-04	1.12E-02	1.09E-03	4.40E-01
3.00E+01	1.04E-04	1.24E-02	9.44E-04	4.51E-01
4.00E+01	8.50E-05	1.33E-02	8.22E-04	4.59E-01
5.00E+01	7.32E-05	1.41E-02	7.15E-04	4.67E-01
6.00E+01	6.53E-05	1.48E-02	6.23E-04	4.74E-01
7.00E+01	5.95E-05	1.54E-02	5.42E-04	4.79E-01
8.00E+01	5.49E-05	1.59E-02	4.72E-04	4.84E-01
9.00E+01	5.11E-05	1.65E-02	4.11E-04	4.89E-01
1.00E+02	4.78E-05	1.70E-02	3.58E-04	4.93E-01
2.00E+02	2.89E-05	2.06E-02	8.94E-05	5.12E-01
3.00E+02	2.22E-05	2.31E-02	2.24E-05	5.17E-01
4.00E+02	1.98E-05	2.52E-02	5.59E-06	5.18E-01
5.00E+02	1.88E-05	2.71E-02	1.40E-06	5.18E-01
6.00E+02	1.83E-05	2.90E-02	3.49E-07	5.18E-01
7.00E+02	1.79E-05	3.08E-02	8.73E-08	5.18E-01
8.00E+02	1.75E-05	3.26E-02	2.18E-08	5.18E-01
9.00E+02	1.72E-05	3.43E-02	0.00E+00	5.18E-01
1.00E+03	1.68E-05	3.60E-02	0.00E+00	5.18E-01
2.00E+03	1.38E-05	5.13E-02	0.00E+00	5.18E-01
4.00E+03	9.29E-06	7.41E-02	0.00E+00	5.18E-01
8.00E+03	4.21E-06	9.97E-02	0.00E+00	5.18E-01
1.00E+04	2.83E-06	1.07E-01	0.00E+00	5.18E-01

CLASS W

AMAD = 1 MICRON

STABLE

NEODYMIUM 144

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	6.95E-02	2.76E-01	2.35E-01	5.72E-02	6.38E-01
2.00E-01	6.83E-02	2.65E-01	1.97E-01	1.05E-01	6.36E-01
3.00E-01	6.73E-02	2.56E-01	1.66E-01	1.46E-01	6.34E-01
4.00E-01	6.66E-02	2.47E-01	1.39E-01	1.79E-01	6.32E-01
5.00E-01	6.60E-02	2.40E-01	1.17E-01	2.06E-01	6.29E-01
6.00E-01	6.56E-02	2.33E-01	9.86E-02	2.27E-01	6.24E-01
7.00E-01	6.54E-02	2.27E-01	8.29E-02	2.43E-01	6.18E-01
8.00E-01	6.51E-02	2.21E-01	6.97E-02	2.54E-01	6.10E-01
9.00E-01	6.50E-02	2.16E-01	5.86E-02	2.61E-01	6.01E-01
1.00E+00	6.49E-02	2.11E-01	4.93E-02	2.65E-01	5.90E-01
2.00E+00	6.49E-02	1.77E-01	8.72E-03	2.03E-01	4.54E-01
3.00E+00	6.54E-02	1.60E-01	1.54E-03	1.13E-01	3.40E-01
4.00E+00	6.58E-02	1.50E-01	2.72E-04	5.72E-02	2.74E-01
5.00E+00	6.62E-02	1.45E-01	4.82E-05	2.85E-02	2.39E-01
6.00E+00	6.67E-02	1.41E-01	8.51E-06	1.47E-02	2.22E-01
7.00E+00	6.71E-02	1.38E-01	1.51E-06	8.14E-03	2.13E-01
8.00E+00	6.75E-02	1.36E-01	2.66E-07	5.04E-03	2.08E-01
9.00E+00	6.79E-02	1.34E-01	4.70E-08	3.55E-03	2.05E-01
1.00E+01	6.84E-02	1.32E-01	0.00E+00	2.82E-03	2.03E-01
2.00E+01	7.23E-02	1.16E-01	0.00E+00	1.87E-03	1.90E-01
3.00E+01	7.58E-02	1.02E-01	0.00E+00	1.63E-03	1.80E-01
4.00E+01	7.90E-02	9.01E-02	0.00E+00	1.42E-03	1.70E-01
5.00E+01	8.18E-02	7.93E-02	0.00E+00	1.23E-03	1.62E-01
6.00E+01	8.44E-02	6.98E-02	0.00E+00	1.07E-03	1.55E-01
7.00E+01	8.67E-02	6.14E-02	0.00E+00	9.36E-04	1.49E-01
8.00E+01	8.88E-02	5.40E-02	0.00E+00	8.15E-04	1.44E-01
9.00E+01	9.06E-02	4.75E-02	0.00E+00	7.09E-04	1.39E-01
1.00E+02	9.22E-02	4.18E-02	0.00E+00	6.17E-04	1.35E-01
2.00E+02	1.01E-01	1.15E-02	0.00E+00	1.54E-04	1.12E-01
3.00E+02	1.02E-01	3.15E-03	0.00E+00	3.86E-05	1.05E-01
4.00E+02	1.01E-01	8.55E-04	0.00E+00	9.65E-06	1.02E-01
5.00E+02	9.92E-02	2.31E-04	0.00E+00	2.41E-06	9.95E-02
6.00E+02	9.74E-02	6.19E-05	0.00E+00	6.03E-07	9.74E-02
7.00E+02	9.55E-02	1.65E-05	0.00E+00	1.51E-07	9.55E-02
8.00E+02	9.36E-02	4.40E-06	0.00E+00	3.77E-08	9.36E-02
9.00E+02	9.18E-02	1.16E-06	0.00E+00	0.00E+00	9.18E-02
1.00E+03	9.00E-02	3.08E-07	0.00E+00	0.00E+00	9.00E-02
2.00E+03	7.38E-02	0.00E+00	0.00E+00	0.00E+00	7.38E-02
4.00E+03	4.97E-02	0.00E+00	0.00E+00	0.00E+00	4.97E-02
5.00E+03	4.08E-02	0.00E+00	0.00E+00	0.00E+00	4.08E-02
7.00E+03	2.74E-02	0.00E+00	0.00E+00	0.00E+00	2.74E-02
8.00E+03	2.25E-02	0.00E+00	0.00E+00	0.00E+00	2.25E-02
1.00E+04	1.51E-02	0.00E+00	0.00E+00	0.00E+00	1.51E-02
2.00E+04	2.09E-03	0.00E+00	0.00E+00	0.00E+00	2.09E-03

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		1.50E-03		8.10E-06
2.00E-01		2.85E-03		1.64E-04
3.00E-01		3.89E-03		8.29E-04
4.00E-01		4.67E-03		2.42E-03
5.00E-01		5.27E-03		5.28E-03
6.00E-01		5.72E-03		9.61E-03
7.00E-01		6.07E-03		1.55E-02
8.00E-01		6.33E-03		2.30E-02
9.00E-01		6.53E-03		3.19E-02
1.00E+00	6.69E-03	6.69E-03	4.21E-02	4.21E-02
2.00E+00	5.02E-04	7.19E-03	1.35E-01	1.77E-01
3.00E+00	9.24E-05	7.28E-03	1.14E-01	2.92E-01
4.00E+00	6.56E-05	7.35E-03	6.65E-02	3.58E-01
5.00E+00	6.33E-05	7.41E-03	3.42E-02	3.92E-01
6.00E+00	6.27E-05	7.47E-03	1.71E-02	4.09E-01
7.00E+00	6.23E-05	7.54E-03	8.78E-03	4.18E-01
8.00E+00	6.19E-05	7.60E-03	4.84E-03	4.23E-01
9.00E+00	6.15E-05	7.66E-03	2.97E-03	4.26E-01
1.00E+01	6.11E-05	7.72E-03	2.07E-03	4.28E-01
2.00E+01	5.76E-05	8.31E-03	1.09E-03	4.40E-01
3.00E+01	5.42E-05	8.87E-03	9.44E-04	4.51E-01
4.00E+01	5.12E-05	9.40E-03	8.22E-04	4.59E-01
5.00E+01	4.84E-05	9.89E-03	7.15E-04	4.67E-01
6.00E+01	4.58E-05	1.04E-02	6.23E-04	4.74E-01
7.00E+01	4.34E-05	1.08E-02	5.42E-04	4.79E-01
8.00E+01	4.12E-05	1.12E-02	4.72E-04	4.84E-01
9.00E+01	3.92E-05	1.16E-02	4.11E-04	4.89E-01
1.00E+02	3.74E-05	1.20E-02	3.58E-04	4.93E-01
2.00E+02	2.62E-05	1.51E-02	8.94E-05	5.12E-01
3.00E+02	2.21E-05	1.75E-02	2.24E-05	5.17E-01
4.00E+02	2.06E-05	1.96E-02	5.59E-06	5.18E-01
5.00E+02	1.98E-05	2.16E-02	1.40E-06	5.18E-01
6.00E+02	1.93E-05	2.36E-02	3.49E-07	5.18E-01
7.00E+02	1.89E-05	2.55E-02	8.73E-08	5.18E-01
8.00E+02	1.85E-05	2.74E-02	2.18E-08	5.18E-01
9.00E+02	1.82E-05	2.92E-02	0.00E+00	5.18E-01
1.00E+03	1.78E-05	3.10E-02	0.00E+00	5.18E-01
2.00E+03	1.46E-05	4.72E-02	0.00E+00	5.18E-01
4.00E+03	9.84E-06	7.13E-02	0.00E+00	5.18E-01
8.00E+03	4.46E-06	9.85E-02	0.00E+00	5.18E-01
1.00E+04	3.00E-06	1.06E-01	0.00E+00	5.18E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	6.95E-02	2.76E-01	2.35E-01	5.72E-02	6.38E-01
2.00E-01	6.82E-02	2.65E-01	1.97E-01	1.05E-01	6.36E-01
3.00E-01	6.73E-02	2.56E-01	1.66E-01	1.46E-01	6.34E-01
4.00E-01	6.65E-02	2.47E-01	1.39E-01	1.79E-01	6.32E-01
5.00E-01	6.60E-02	2.40E-01	1.17E-01	2.06E-01	6.28E-01
6.00E-01	6.56E-02	2.33E-01	9.86E-02	2.27E-01	6.24E-01
7.00E-01	6.53E-02	2.26E-01	8.29E-02	2.43E-01	6.17E-01
8.00E-01	6.51E-02	2.21E-01	6.97E-02	2.54E-01	6.09E-01
9.00E-01	6.50E-02	2.15E-01	5.86E-02	2.61E-01	6.00E-01
1.00E+00	6.49E-02	2.11E-01	4.93E-02	2.65E-01	5.90E-01
2.00E+00	6.49E-02	1.77E-01	8.71E-03	2.03E-01	4.54E-01
3.00E+00	6.52E-02	1.60E-01	1.54E-03	1.13E-01	3.39E-01
4.00E+00	6.56E-02	1.50E-01	2.72E-04	5.71E-02	2.73E-01
5.00E+00	6.60E-02	1.44E-01	4.80E-05	2.84E-02	2.38E-01
6.00E+00	6.64E-02	1.40E-01	8.48E-06	1.46E-02	2.21E-01
7.00E+00	6.68E-02	1.37E-01	1.50E-06	8.09E-03	2.12E-01
8.00E+00	6.71E-02	1.35E-01	2.65E-07	5.01E-03	2.07E-01
9.00E+00	6.75E-02	1.33E-01	4.67E-08	3.52E-03	2.04E-01
1.00E+01	6.79E-02	1.31E-01	0.00E+00	2.80E-03	2.02E-01
2.00E+01	7.12E-02	1.15E-01	0.00E+00	1.85E-03	1.88E-01
3.00E+01	7.42E-02	1.00E-01	0.00E+00	1.59E-03	1.76E-01
4.00E+01	7.67E-02	8.75E-02	0.00E+00	1.38E-03	1.66E-01
5.00E+01	7.89E-02	7.64E-02	0.00E+00	1.19E-03	1.57E-01
6.00E+01	8.08E-02	6.68E-02	0.00E+00	1.03E-03	1.49E-01
7.00E+01	8.24E-02	5.83E-02	0.00E+00	8.90E-04	1.42E-01
8.00E+01	8.38E-02	5.10E-02	0.00E+00	7.69E-04	1.35E-01
9.00E+01	8.49E-02	4.45E-02	0.00E+00	6.64E-04	1.30E-01
1.00E+02	8.58E-02	3.89E-02	0.00E+00	5.74E-04	1.25E-01
2.00E+02	8.71E-02	9.97E-03	0.00E+00	1.34E-04	9.72E-02
3.00E+02	8.20E-02	2.54E-03	0.00E+00	3.11E-05	8.46E-02
4.00E+02	7.55E-02	6.40E-04	0.00E+00	7.22E-06	7.62E-02
5.00E+02	6.91E-02	1.61E-04	0.00E+00	1.68E-06	6.93E-02
6.00E+02	6.31E-02	4.01E-05	0.00E+00	3.91E-07	6.31E-02
7.00E+02	5.75E-02	9.96E-06	0.00E+00	9.08E-08	5.75E-02
8.00E+02	5.25E-02	2.46E-06	0.00E+00	2.11E-08	5.25E-02
9.00E+02	4.78E-02	6.07E-07	0.00E+00	0.00E+00	4.78E-02
1.00E+03	4.36E-02	1.49E-07	0.00E+00	0.00E+00	4.36E-02
2.00E+03	1.74E-02	0.00E+00	0.00E+00	0.00E+00	1.74E-02
4.00E+03	2.75E-03	0.00E+00	0.00E+00	0.00E+00	2.75E-03
5.00E+03	1.09E-03	0.00E+00	0.00E+00	0.00E+00	1.09E-03
7.00E+03	1.73E-04	0.00E+00	0.00E+00	0.00E+00	1.73E-04
8.00E+03	6.87E-05	0.00E+00	0.00E+00	0.00E+00	6.87E-05
9.00E+03	2.73E-05	0.00E+00	0.00E+00	0.00E+00	2.73E-05
1.00E+04	1.09E-05	0.00E+00	0.00E+00	0.00E+00	1.09E-05

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		1.50E-03		8.10E-06
2.00E-01		2.85E-03		1.64E-04
3.00E-01		3.89E-03		8.29E-04
4.00E-01		4.67E-03		2.42E-03
5.00E-01		5.27E-03		5.28E-03
6.00E-01		5.72E-03		9.61E-03
7.00E-01		6.06E-03		1.55E-02
8.00E-01		6.33E-03		2.30E-02
9.00E-01		6.53E-03		3.19E-02
1.00E+00	6.68E-03	6.68E-03	4.21E-02	4.21E-02
2.00E+00	5.01E-04	7.18E-03	1.35E-01	1.77E-01
3.00E+00	9.22E-05	7.27E-03	1.14E-01	2.91E-01
4.00E+00	6.54E-05	7.33E-03	6.63E-02	3.57E-01
5.00E+00	6.31E-05	7.39E-03	3.40E-02	3.91E-01
6.00E+00	6.24E-05	7.44E-03	1.70E-02	4.08E-01
7.00E+00	6.19E-05	7.50E-03	8.73E-03	4.16E-01
8.00E+00	6.15E-05	7.55E-03	4.81E-03	4.21E-01
9.00E+00	6.11E-05	7.61E-03	2.95E-03	4.23E-01
1.00E+01	6.07E-05	7.67E-03	2.05E-03	4.25E-01
2.00E+01	5.67E-05	8.19E-03	1.07E-03	4.34E-01
3.00E+01	5.31E-05	8.68E-03	9.24E-04	4.41E-01
4.00E+01	4.97E-05	9.13E-03	7.98E-04	4.46E-01
5.00E+01	4.66E-05	9.54E-03	6.90E-04	4.50E-01
6.00E+01	4.38E-05	9.92E-03	5.96E-04	4.53E-01
7.00E+01	4.12E-05	1.03E-02	5.15E-04	4.56E-01
8.00E+01	3.89E-05	1.06E-02	4.45E-04	4.57E-01
9.00E+01	3.67E-05	1.09E-02	3.85E-04	4.58E-01
1.00E+02	3.48E-05	1.12E-02	3.33E-04	4.58E-01
2.00E+02	2.27E-05	1.31E-02	7.74E-05	4.43E-01
3.00E+02	1.78E-05	1.41E-02	1.80E-05	4.16E-01
4.00E+02	1.54E-05	1.47E-02	4.18E-06	3.88E-01
5.00E+02	1.38E-05	1.50E-02	9.73E-07	3.61E-01
6.00E+02	1.25E-05	1.53E-02	2.26E-07	3.36E-01
7.00E+02	1.14E-05	1.54E-02	5.26E-08	3.12E-01
8.00E+02	1.04E-05	1.53E-02	1.22E-08	2.90E-01
9.00E+02	9.48E-06	1.52E-02	0.00E+00	2.70E-01
1.00E+03	8.64E-06	1.50E-02	0.00E+00	2.51E-01
2.00E+03	3.44E-06	1.11E-02	0.00E+00	1.22E-01
4.00E+03	5.44E-07	3.94E-03	0.00E+00	2.86E-02
5.00E+03	2.16E-07	2.15E-03	0.00E+00	1.39E-02
7.00E+03	3.42E-08	5.89E-04	0.00E+00	3.26E-03

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	6.95E-02	2.76E-01	2.35E-01	5.72E-02	6.38E-01
2.00E-01	6.83E-02	2.65E-01	1.97E-01	1.05E-01	6.36E-01
3.00E-01	6.73E-02	2.56E-01	1.66E-01	1.46E-01	6.34E-01
4.00E-01	6.66E-02	2.47E-01	1.39E-01	1.79E-01	6.32E-01
5.00E-01	6.60E-02	2.40E-01	1.17E-01	2.06E-01	6.29E-01
6.00E-01	6.56E-02	2.33E-01	9.86E-02	2.27E-01	6.24E-01
7.00E-01	6.54E-02	2.27E-01	8.29E-02	2.43E-01	6.18E-01
8.00E-01	6.51E-02	2.21E-01	6.97E-02	2.54E-01	6.10E-01
9.00E-01	6.50E-02	2.16E-01	5.86E-02	2.61E-01	6.01E-01
1.00E+00	6.49E-02	2.11E-01	4.93E-02	2.65E-01	5.90E-01
2.00E+00	6.49E-02	1.77E-01	8.72E-03	2.03E-01	4.54E-01
3.00E+00	6.54E-02	1.60E-01	1.54E-03	1.13E-01	3.40E-01
4.00E+00	6.58E-02	1.50E-01	2.72E-04	5.72E-02	2.74E-01
5.00E+00	6.62E-02	1.45E-01	4.82E-05	2.85E-02	2.39E-01
6.00E+00	6.67E-02	1.41E-01	8.51E-06	1.47E-02	2.22E-01
7.00E+00	6.71E-02	1.38E-01	1.51E-06	8.14E-03	2.13E-01
8.00E+00	6.75E-02	1.36E-01	2.66E-07	5.04E-03	2.08E-01
9.00E+00	6.79E-02	1.34E-01	4.70E-08	3.55E-03	2.05E-01
1.00E+01	6.84E-02	1.32E-01	0.00E+00	2.82E-03	2.03E-01
2.00E+01	7.23E-02	1.16E-01	0.00E+00	1.87E-03	1.90E-01
3.00E+01	7.58E-02	1.02E-01	0.00E+00	1.63E-03	1.80E-01
4.00E+01	7.90E-02	9.01E-02	0.00E+00	1.42E-03	1.70E-01
5.00E+01	8.18E-02	7.93E-02	0.00E+00	1.23E-03	1.62E-01
6.00E+01	8.44E-02	6.98E-02	0.00E+00	1.07E-03	1.55E-01
7.00E+01	8.67E-02	6.14E-02	0.00E+00	9.36E-04	1.49E-01
8.00E+01	8.88E-02	5.40E-02	0.00E+00	8.15E-04	1.44E-01
9.00E+01	9.06E-02	4.75E-02	0.00E+00	7.09E-04	1.39E-01
1.00E+02	9.22E-02	4.18E-02	0.00E+00	6.17E-04	1.35E-01
2.00E+02	1.01E-01	1.15E-02	0.00E+00	1.54E-04	1.12E-01
3.00E+02	1.02E-01	3.15E-03	0.00E+00	3.86E-05	1.05E-01
4.00E+02	1.01E-01	8.55E-04	0.00E+00	9.65E-06	1.02E-01
5.00E+02	9.92E-02	2.31E-04	0.00E+00	2.41E-06	9.95E-02
6.00E+02	9.74E-02	6.19E-05	0.00E+00	6.03E-07	9.74E-02
7.00E+02	9.55E-02	1.65E-05	0.00E+00	1.51E-07	9.55E-02
8.00E+02	9.36E-02	4.40E-06	0.00E+00	3.77E-08	9.36E-02
9.00E+02	9.18E-02	1.16E-06	0.00E+00	0.00E+00	9.18E-02
1.00E+03	9.00E-02	3.08E-07	0.00E+00	0.00E+00	9.00E-02
2.00E+03	7.38E-02	0.00E+00	0.00E+00	0.00E+00	7.38E-02
4.00E+03	4.97E-02	0.00E+00	0.00E+00	0.00E+00	4.97E-02
5.00E+03	4.08E-02	0.00E+00	0.00E+00	0.00E+00	4.08E-02
7.00E+03	2.74E-02	0.00E+00	0.00E+00	0.00E+00	2.74E-02
8.00E+03	2.25E-02	0.00E+00	0.00E+00	0.00E+00	2.25E-02
1.00E+04	1.51E-02	0.00E+00	0.00E+00	0.00E+00	1.51E-02
2.00E+04	2.09E-03	0.00E+00	0.00E+00	0.00E+00	2.09E-03

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		1.50E-03		8.10E-06
2.00E-01		2.85E-03		1.64E-04
3.00E-01		3.89E-03		8.29E-04
4.00E-01		4.67E-03		2.42E-03
5.00E-01		5.27E-03		5.28E-03
6.00E-01		5.72E-03		9.61E-03
7.00E-01		6.07E-03		1.55E-02
8.00E-01		6.33E-03		2.30E-02
9.00E-01		6.53E-03		3.19E-02
1.00E+00	6.69E-03	6.69E-03	4.21E-02	4.21E-02
2.00E+00	5.02E-04	7.19E-03	1.35E-01	1.77E-01
3.00E+00	9.24E-05	7.28E-03	1.14E-01	2.92E-01
4.00E+00	6.56E-05	7.35E-03	6.65E-02	3.58E-01
5.00E+00	6.33E-05	7.41E-03	3.42E-02	3.92E-01
6.00E+00	6.27E-05	7.47E-03	1.71E-02	4.09E-01
7.00E+00	6.23E-05	7.54E-03	8.78E-03	4.18E-01
8.00E+00	6.19E-05	7.60E-03	4.84E-03	4.23E-01
9.00E+00	6.15E-05	7.66E-03	2.97E-03	4.26E-01
1.00E+01	6.11E-05	7.72E-03	2.07E-03	4.28E-01
2.00E+01	5.76E-05	8.31E-03	1.09E-03	4.40E-01
3.00E+01	5.42E-05	8.87E-03	9.44E-04	4.51E-01
4.00E+01	5.12E-05	9.40E-03	8.22E-04	4.59E-01
5.00E+01	4.84E-05	9.89E-03	7.15E-04	4.67E-01
6.00E+01	4.58E-05	1.04E-02	6.23E-04	4.74E-01
7.00E+01	4.34E-05	1.08E-02	5.42E-04	4.79E-01
8.00E+01	4.12E-05	1.12E-02	4.72E-04	4.84E-01
9.00E+01	3.92E-05	1.16E-02	4.11E-04	4.89E-01
1.00E+02	3.74E-05	1.20E-02	3.58E-04	4.93E-01
2.00E+02	2.62E-05	1.51E-02	8.94E-05	5.12E-01
3.00E+02	2.21E-05	1.75E-02	2.24E-05	5.17E-01
4.00E+02	2.06E-05	1.96E-02	5.59E-06	5.18E-01
5.00E+02	1.98E-05	2.16E-02	1.40E-06	5.18E-01
6.00E+02	1.93E-05	2.36E-02	3.49E-07	5.18E-01
7.00E+02	1.89E-05	2.55E-02	8.73E-08	5.18E-01
8.00E+02	1.85E-05	2.74E-02	2.18E-08	5.18E-01
9.00E+02	1.82E-05	2.92E-02	0.00E+00	5.18E-01
1.00E+03	1.78E-05	3.10E-02	0.00E+00	5.18E-01
2.00E+03	1.46E-05	4.72E-02	0.00E+00	5.18E-01
4.00E+03	9.84E-06	7.13E-02	0.00E+00	5.18E-01
8.00E+03	4.46E-06	9.85E-02	0.00E+00	5.18E-01
1.00E+04	3.00E-06	1.06E-01	0.00E+00	5.18E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	6.95E-02	2.76E-01	2.35E-01	5.72E-02	6.38E-01
2.00E-01	6.83E-02	2.65E-01	1.97E-01	1.05E-01	6.36E-01
3.00E-01	6.73E-02	2.56E-01	1.66E-01	1.46E-01	6.34E-01
4.00E-01	6.66E-02	2.47E-01	1.39E-01	1.79E-01	6.32E-01
5.00E-01	6.60E-02	2.40E-01	1.17E-01	2.06E-01	6.29E-01
6.00E-01	6.56E-02	2.33E-01	9.86E-02	2.27E-01	6.24E-01
7.00E-01	6.54E-02	2.27E-01	8.29E-02	2.43E-01	6.18E-01
8.00E-01	6.51E-02	2.21E-01	6.97E-02	2.54E-01	6.10E-01
9.00E-01	6.50E-02	2.16E-01	5.86E-02	2.61E-01	6.01E-01
1.00E+00	6.49E-02	2.11E-01	4.93E-02	2.65E-01	5.90E-01
2.00E+00	6.49E-02	1.77E-01	8.72E-03	2.03E-01	4.54E-01
3.00E+00	6.54E-02	1.60E-01	1.54E-03	1.13E-01	3.40E-01
4.00E+00	6.58E-02	1.50E-01	2.72E-04	5.72E-02	2.74E-01
5.00E+00	6.62E-02	1.45E-01	4.82E-05	2.85E-02	2.39E-01
6.00E+00	6.67E-02	1.41E-01	8.51E-06	1.47E-02	2.22E-01
7.00E+00	6.71E-02	1.38E-01	1.51E-06	8.14E-03	2.13E-01
8.00E+00	6.75E-02	1.36E-01	2.66E-07	5.04E-03	2.08E-01
9.00E+00	6.79E-02	1.34E-01	4.70E-08	3.55E-03	2.05E-01
1.00E+01	6.84E-02	1.32E-01	0.00E+00	2.82E-03	2.03E-01
2.00E+01	7.23E-02	1.16E-01	0.00E+00	1.87E-03	1.90E-01
3.00E+01	7.58E-02	1.02E-01	0.00E+00	1.63E-03	1.80E-01
4.00E+01	7.90E-02	9.01E-02	0.00E+00	1.42E-03	1.70E-01
5.00E+01	8.18E-02	7.93E-02	0.00E+00	1.23E-03	1.62E-01
6.00E+01	8.44E-02	6.98E-02	0.00E+00	1.07E-03	1.55E-01
7.00E+01	8.67E-02	6.14E-02	0.00E+00	9.36E-04	1.49E-01
8.00E+01	8.88E-02	5.40E-02	0.00E+00	8.15E-04	1.44E-01
9.00E+01	9.06E-02	4.75E-02	0.00E+00	7.09E-04	1.39E-01
1.00E+02	9.22E-02	4.18E-02	0.00E+00	6.17E-04	1.35E-01
2.00E+02	1.01E-01	1.15E-02	0.00E+00	1.54E-04	1.12E-01
3.00E+02	1.02E-01	3.15E-03	0.00E+00	3.86E-05	1.05E-01
4.00E+02	1.01E-01	8.55E-04	0.00E+00	9.65E-06	1.02E-01
5.00E+02	9.92E-02	2.31E-04	0.00E+00	2.41E-06	9.95E-02
6.00E+02	9.74E-02	6.19E-05	0.00E+00	6.03E-07	9.74E-02
7.00E+02	9.55E-02	1.65E-05	0.00E+00	1.51E-07	9.55E-02
8.00E+02	9.36E-02	4.40E-06	0.00E+00	3.77E-08	9.36E-02
9.00E+02	9.18E-02	1.16E-06	0.00E+00	0.00E+00	9.18E-02
1.00E+03	9.00E-02	3.08E-07	0.00E+00	0.00E+00	9.00E-02
2.00E+03	7.38E-02	0.00E+00	0.00E+00	0.00E+00	7.38E-02
4.00E+03	4.97E-02	0.00E+00	0.00E+00	0.00E+00	4.97E-02
5.00E+03	4.08E-02	0.00E+00	0.00E+00	0.00E+00	4.08E-02
7.00E+03	2.74E-02	0.00E+00	0.00E+00	0.00E+00	2.74E-02
8.00E+03	2.25E-02	0.00E+00	0.00E+00	0.00E+00	2.25E-02
1.00E+04	1.51E-02	0.00E+00	0.00E+00	0.00E+00	1.51E-02
2.00E+04	2.09E-03	0.00E+00	0.00E+00	0.00E+00	2.09E-03

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		1.50E-03		8.10E-06
2.00E-01		2.85E-03		1.64E-04
3.00E-01		3.89E-03		8.29E-04
4.00E-01		4.67E-03		2.42E-03
5.00E-01		5.27E-03		5.28E-03
6.00E-01		5.72E-03		9.61E-03
7.00E-01		6.07E-03		1.55E-02
8.00E-01		6.33E-03		2.30E-02
9.00E-01		6.53E-03		3.19E-02
1.00E+00	6.69E-03	6.69E-03	4.21E-02	4.21E-02
2.00E+00	5.02E-04	7.19E-03	1.35E-01	1.77E-01
3.00E+00	9.24E-05	7.28E-03	1.14E-01	2.92E-01
4.00E+00	6.56E-05	7.35E-03	6.65E-02	3.58E-01
5.00E+00	6.33E-05	7.41E-03	3.42E-02	3.92E-01
6.00E+00	6.27E-05	7.47E-03	1.71E-02	4.09E-01
7.00E+00	6.23E-05	7.54E-03	8.78E-03	4.18E-01
8.00E+00	6.19E-05	7.60E-03	4.84E-03	4.23E-01
9.00E+00	6.15E-05	7.66E-03	2.97E-03	4.26E-01
1.00E+01	6.11E-05	7.72E-03	2.07E-03	4.28E-01
2.00E+01	5.76E-05	8.31E-03	1.09E-03	4.40E-01
3.00E+01	5.42E-05	8.87E-03	9.44E-04	4.51E-01
4.00E+01	5.12E-05	9.40E-03	8.22E-04	4.59E-01
5.00E+01	4.84E-05	9.89E-03	7.15E-04	4.67E-01
6.00E+01	4.58E-05	1.04E-02	6.23E-04	4.74E-01
7.00E+01	4.34E-05	1.08E-02	5.42E-04	4.79E-01
8.00E+01	4.12E-05	1.12E-02	4.72E-04	4.84E-01
9.00E+01	3.92E-05	1.16E-02	4.11E-04	4.89E-01
1.00E+02	3.74E-05	1.20E-02	3.58E-04	4.93E-01
2.00E+02	2.62E-05	1.51E-02	8.94E-05	5.12E-01
3.00E+02	2.21E-05	1.75E-02	2.24E-05	5.17E-01
4.00E+02	2.06E-05	1.96E-02	5.59E-06	5.18E-01
5.00E+02	1.98E-05	2.16E-02	1.40E-06	5.18E-01
6.00E+02	1.93E-05	2.36E-02	3.49E-07	5.18E-01
7.00E+02	1.89E-05	2.55E-02	8.73E-08	5.18E-01
8.00E+02	1.85E-05	2.74E-02	2.18E-08	5.18E-01
9.00E+02	1.82E-05	2.92E-02	0.00E+00	5.18E-01
1.00E+03	1.78E-05	3.10E-02	0.00E+00	5.18E-01
2.00E+03	1.46E-05	4.72E-02	0.00E+00	5.18E-01
4.00E+03	9.84E-06	7.13E-02	0.00E+00	5.18E-01
8.00E+03	4.46E-06	9.85E-02	0.00E+00	5.18E-01
1.00E+04	3.00E-06	1.06E-01	0.00E+00	5.18E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	6.89E-02	2.76E-01	2.35E-01	5.72E-02	6.37E-01
2.00E-01	6.71E-02	2.65E-01	1.97E-01	1.05E-01	6.35E-01
3.00E-01	6.57E-02	2.56E-01	1.66E-01	1.45E-01	6.33E-01
4.00E-01	6.47E-02	2.47E-01	1.39E-01	1.79E-01	6.30E-01
5.00E-01	6.39E-02	2.40E-01	1.17E-01	2.06E-01	6.26E-01
6.00E-01	6.33E-02	2.33E-01	9.86E-02	2.27E-01	6.21E-01
7.00E-01	6.29E-02	2.27E-01	8.29E-02	2.43E-01	6.15E-01
8.00E-01	6.25E-02	2.21E-01	6.97E-02	2.54E-01	6.07E-01
9.00E-01	6.23E-02	2.16E-01	5.86E-02	2.61E-01	5.98E-01
1.00E+00	6.21E-02	2.11E-01	4.93E-02	2.65E-01	5.87E-01
2.00E+00	6.18E-02	1.77E-01	8.72E-03	2.03E-01	4.51E-01
3.00E+00	6.19E-02	1.60E-01	1.54E-03	1.13E-01	3.37E-01
4.00E+00	6.21E-02	1.50E-01	2.72E-04	5.72E-02	2.70E-01
5.00E+00	6.23E-02	1.45E-01	4.82E-05	2.85E-02	2.35E-01
6.00E+00	6.25E-02	1.41E-01	8.51E-06	1.47E-02	2.18E-01
7.00E+00	6.27E-02	1.38E-01	1.51E-06	8.13E-03	2.09E-01
8.00E+00	6.29E-02	1.36E-01	2.66E-07	5.03E-03	2.04E-01
9.00E+00	6.31E-02	1.34E-01	4.70E-08	3.54E-03	2.01E-01
1.00E+01	6.34E-02	1.32E-01	0.00E+00	2.81E-03	1.98E-01
2.00E+01	6.59E-02	1.16E-01	0.00E+00	1.87E-03	1.84E-01
3.00E+01	6.85E-02	1.02E-01	0.00E+00	1.63E-03	1.72E-01
4.00E+01	7.11E-02	9.01E-02	0.00E+00	1.42E-03	1.63E-01
5.00E+01	7.35E-02	7.93E-02	0.00E+00	1.23E-03	1.54E-01
6.00E+01	7.56E-02	6.98E-02	0.00E+00	1.07E-03	1.46E-01
7.00E+01	7.76E-02	6.14E-02	0.00E+00	9.35E-04	1.40E-01
8.00E+01	7.94E-02	5.40E-02	0.00E+00	8.14E-04	1.34E-01
9.00E+01	8.10E-02	4.75E-02	0.00E+00	7.09E-04	1.29E-01
1.00E+02	8.24E-02	4.18E-02	0.00E+00	6.17E-04	1.25E-01
2.00E+02	8.98E-02	1.15E-02	0.00E+00	1.54E-04	1.01E-01
3.00E+02	9.09E-02	3.15E-03	0.00E+00	3.86E-05	9.41E-02
4.00E+02	9.00E-02	8.55E-04	0.00E+00	9.64E-06	9.08E-02
5.00E+02	8.85E-02	2.31E-04	0.00E+00	2.41E-06	8.87E-02
6.00E+02	8.68E-02	6.19E-05	0.00E+00	6.03E-07	8.69E-02
7.00E+02	8.51E-02	1.65E-05	0.00E+00	1.51E-07	8.52E-02
8.00E+02	8.35E-02	4.40E-06	0.00E+00	3.77E-08	8.35E-02
9.00E+02	8.18E-02	1.16E-06	0.00E+00	0.00E+00	8.18E-02
1.00E+03	8.02E-02	3.08E-07	0.00E+00	0.00E+00	8.02E-02
2.00E+03	6.58E-02	0.00E+00	0.00E+00	0.00E+00	6.58E-02
4.00E+03	4.43E-02	0.00E+00	0.00E+00	0.00E+00	4.43E-02
5.00E+03	3.63E-02	0.00E+00	0.00E+00	0.00E+00	3.63E-02
7.00E+03	2.45E-02	0.00E+00	0.00E+00	0.00E+00	2.45E-02
8.00E+03	2.01E-02	0.00E+00	0.00E+00	0.00E+00	2.01E-02
1.00E+04	1.35E-02	0.00E+00	0.00E+00	0.00E+00	1.35E-02
2.00E+04	1.86E-03	0.00E+00	0.00E+00	0.00E+00	1.86E-03

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		2.12E-03		8.10E-06
2.00E-01		4.05E-03		1.64E-04
3.00E-01		5.53E-03		8.29E-04
4.00E-01		6.65E-03		2.42E-03
5.00E-01		7.52E-03		5.28E-03
6.00E-01		8.19E-03		9.61E-03
7.00E-01		8.70E-03		1.55E-02
8.00E-01		9.10E-03		2.30E-02
9.00E-01		9.41E-03		3.19E-02
1.00E+00	9.66E-03	9.66E-03	4.21E-02	4.21E-02
2.00E+00	9.82E-04	1.06E-02	1.35E-01	1.77E-01
3.00E+00	3.83E-04	1.10E-02	1.14E-01	2.92E-01
4.00E+00	3.27E-04	1.14E-02	6.64E-02	3.58E-01
5.00E+00	3.09E-04	1.17E-02	3.41E-02	3.92E-01
6.00E+00	2.94E-04	1.20E-02	1.71E-02	4.09E-01
7.00E+00	2.81E-04	1.22E-02	8.77E-03	4.18E-01
8.00E+00	2.69E-04	1.25E-02	4.83E-03	4.23E-01
9.00E+00	2.58E-04	1.28E-02	2.96E-03	4.26E-01
1.00E+01	2.47E-04	1.30E-02	2.07E-03	4.28E-01
2.00E+01	1.71E-04	1.50E-02	1.08E-03	4.40E-01
3.00E+01	1.30E-04	1.65E-02	9.43E-04	4.50E-01
4.00E+01	1.06E-04	1.76E-02	8.21E-04	4.59E-01
5.00E+01	9.05E-05	1.86E-02	7.15E-04	4.67E-01
6.00E+01	8.02E-05	1.95E-02	6.22E-04	4.73E-01
7.00E+01	7.26E-05	2.02E-02	5.42E-04	4.79E-01
8.00E+01	6.65E-05	2.09E-02	4.72E-04	4.84E-01
9.00E+01	6.13E-05	2.15E-02	4.11E-04	4.88E-01
1.00E+02	5.68E-05	2.21E-02	3.57E-04	4.92E-01
2.00E+02	3.11E-05	2.63E-02	8.94E-05	5.11E-01
3.00E+02	2.21E-05	2.89E-02	2.23E-05	5.16E-01
4.00E+02	1.91E-05	3.09E-02	5.59E-06	5.17E-01
5.00E+02	1.79E-05	3.27E-02	1.40E-06	5.18E-01
6.00E+02	1.73E-05	3.45E-02	3.49E-07	5.18E-01
7.00E+02	1.69E-05	3.62E-02	8.73E-08	5.18E-01
8.00E+02	1.65E-05	3.79E-02	2.18E-08	5.18E-01
9.00E+02	1.62E-05	3.95E-02	0.00E+00	5.18E-01
1.00E+03	1.59E-05	4.11E-02	0.00E+00	5.18E-01
2.00E+03	1.30E-05	5.55E-02	0.00E+00	5.18E-01
4.00E+03	8.77E-06	7.70E-02	0.00E+00	5.18E-01
8.00E+03	3.97E-06	1.01E-01	0.00E+00	5.18E-01
1.00E+04	2.67E-06	1.08E-01	0.00E+00	5.18E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	6.89E-02	2.76E-01	2.35E-01	5.72E-02	6.37E-01
2.00E-01	6.71E-02	2.65E-01	1.97E-01	1.05E-01	6.35E-01
3.00E-01	6.57E-02	2.56E-01	1.66E-01	1.45E-01	6.33E-01
4.00E-01	6.47E-02	2.47E-01	1.39E-01	1.79E-01	6.30E-01
5.00E-01	6.39E-02	2.40E-01	1.17E-01	2.06E-01	6.26E-01
6.00E-01	6.33E-02	2.33E-01	9.86E-02	2.27E-01	6.21E-01
7.00E-01	6.29E-02	2.27E-01	8.29E-02	2.43E-01	6.15E-01
8.00E-01	6.25E-02	2.21E-01	6.97E-02	2.54E-01	6.07E-01
9.00E-01	6.23E-02	2.16E-01	5.86E-02	2.61E-01	5.98E-01
1.00E+00	6.21E-02	2.11E-01	4.93E-02	2.65E-01	5.87E-01
2.00E+00	6.17E-02	1.77E-01	8.72E-03	2.03E-01	4.51E-01
3.00E+00	6.19E-02	1.60E-01	1.54E-03	1.13E-01	3.36E-01
4.00E+00	6.21E-02	1.50E-01	2.72E-04	5.71E-02	2.70E-01
5.00E+00	6.22E-02	1.44E-01	4.81E-05	2.84E-02	2.35E-01
6.00E+00	6.24E-02	1.41E-01	8.51E-06	1.46E-02	2.18E-01
7.00E+00	6.26E-02	1.38E-01	1.50E-06	8.12E-03	2.09E-01
8.00E+00	6.28E-02	1.36E-01	2.66E-07	5.03E-03	2.04E-01
9.00E+00	6.31E-02	1.34E-01	4.70E-08	3.54E-03	2.00E-01
1.00E+01	6.33E-02	1.32E-01	0.00E+00	2.81E-03	1.98E-01
2.00E+01	6.57E-02	1.16E-01	0.00E+00	1.87E-03	1.83E-01
3.00E+01	6.82E-02	1.02E-01	0.00E+00	1.62E-03	1.72E-01
4.00E+01	7.07E-02	8.95E-02	0.00E+00	1.41E-03	1.62E-01
5.00E+01	7.29E-02	7.87E-02	0.00E+00	1.23E-03	1.53E-01
6.00E+01	7.50E-02	6.92E-02	0.00E+00	1.07E-03	1.45E-01
7.00E+01	7.69E-02	6.08E-02	0.00E+00	9.26E-04	1.39E-01
8.00E+01	7.85E-02	5.34E-02	0.00E+00	8.05E-04	1.33E-01
9.00E+01	8.00E-02	4.69E-02	0.00E+00	7.00E-04	1.28E-01
1.00E+02	8.13E-02	4.12E-02	0.00E+00	6.08E-04	1.23E-01
2.00E+02	8.73E-02	1.12E-02	0.00E+00	1.50E-04	9.86E-02
3.00E+02	8.71E-02	3.02E-03	0.00E+00	3.69E-05	9.01E-02
4.00E+02	8.50E-02	8.08E-04	0.00E+00	9.11E-06	8.58E-02
5.00E+02	8.24E-02	2.15E-04	0.00E+00	2.24E-06	8.26E-02
6.00E+02	7.97E-02	5.68E-05	0.00E+00	5.53E-07	7.98E-02
7.00E+02	7.71E-02	1.50E-05	0.00E+00	1.36E-07	7.71E-02
8.00E+02	7.45E-02	3.92E-06	0.00E+00	3.36E-08	7.45E-02
9.00E+02	7.20E-02	1.02E-06	0.00E+00	0.00E+00	7.20E-02
1.00E+03	6.96E-02	2.67E-07	0.00E+00	0.00E+00	6.96E-02
2.00E+03	4.95E-02	0.00E+00	0.00E+00	0.00E+00	4.95E-02
4.00E+03	2.51E-02	0.00E+00	0.00E+00	0.00E+00	2.51E-02
5.00E+03	1.78E-02	0.00E+00	0.00E+00	0.00E+00	1.78E-02
7.00E+03	9.02E-03	0.00E+00	0.00E+00	0.00E+00	9.02E-03
8.00E+03	6.42E-03	0.00E+00	0.00E+00	0.00E+00	6.42E-03
1.00E+04	3.25E-03	0.00E+00	0.00E+00	0.00E+00	3.25E-03
2.00E+04	1.08E-04	0.00E+00	0.00E+00	0.00E+00	1.08E-04

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		2.12E-03		8.10E-06
2.00E-01		4.05E-03		1.64E-04
3.00E-01		5.53E-03		8.29E-04
4.00E-01		6.65E-03		2.42E-03
5.00E-01		7.52E-03		5.28E-03
6.00E-01		8.18E-03		9.61E-03
7.00E-01		8.70E-03		1.55E-02
8.00E-01		9.10E-03		2.30E-02
9.00E-01		9.41E-03		3.19E-02
1.00E+00	9.66E-03	9.66E-03	4.21E-02	4.21E-02
2.00E+00	9.82E-04	1.06E-02	1.35E-01	1.77E-01
3.00E+00	3.82E-04	1.10E-02	1.14E-01	2.91E-01
4.00E+00	3.27E-04	1.13E-02	6.64E-02	3.58E-01
5.00E+00	3.08E-04	1.17E-02	3.41E-02	3.92E-01
6.00E+00	2.94E-04	1.19E-02	1.71E-02	4.09E-01
7.00E+00	2.81E-04	1.22E-02	8.76E-03	4.18E-01
8.00E+00	2.69E-04	1.25E-02	4.83E-03	4.22E-01
9.00E+00	2.57E-04	1.27E-02	2.96E-03	4.25E-01
1.00E+01	2.47E-04	1.30E-02	2.06E-03	4.27E-01
2.00E+01	1.71E-04	1.50E-02	1.08E-03	4.39E-01
3.00E+01	1.29E-04	1.64E-02	9.39E-04	4.48E-01
4.00E+01	1.05E-04	1.75E-02	8.17E-04	4.56E-01
5.00E+01	8.99E-05	1.85E-02	7.10E-04	4.63E-01
6.00E+01	7.95E-05	1.93E-02	6.17E-04	4.69E-01
7.00E+01	7.19E-05	2.00E-02	5.36E-04	4.74E-01
8.00E+01	6.57E-05	2.07E-02	4.66E-04	4.79E-01
9.00E+01	6.05E-05	2.13E-02	4.05E-04	4.82E-01
1.00E+02	5.60E-05	2.18E-02	3.52E-04	4.85E-01
2.00E+02	3.02E-05	2.55E-02	8.69E-05	4.97E-01
3.00E+02	2.12E-05	2.77E-02	2.14E-05	4.95E-01
4.00E+02	1.80E-05	2.92E-02	5.28E-06	4.89E-01
5.00E+02	1.67E-05	3.05E-02	1.30E-06	4.82E-01
6.00E+02	1.59E-05	3.17E-02	3.20E-07	4.75E-01
7.00E+02	1.53E-05	3.28E-02	7.90E-08	4.69E-01
8.00E+02	1.48E-05	3.38E-02	1.95E-08	4.62E-01
9.00E+02	1.43E-05	3.48E-02	0.00E+00	4.55E-01
1.00E+03	1.38E-05	3.57E-02	0.00E+00	4.49E-01
2.00E+03	9.80E-06	4.18E-02	0.00E+00	3.89E-01
4.00E+03	4.96E-06	4.36E-02	0.00E+00	2.93E-01
8.00E+03	1.27E-06	3.24E-02	0.00E+00	1.66E-01
1.00E+04	6.43E-07	2.60E-02	0.00E+00	1.25E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	6.89E-02	2.76E-01	2.35E-01	5.72E-02	6.37E-01
2.00E-01	6.71E-02	2.65E-01	1.97E-01	1.05E-01	6.35E-01
3.00E-01	6.57E-02	2.56E-01	1.66E-01	1.45E-01	6.33E-01
4.00E-01	6.47E-02	2.47E-01	1.39E-01	1.79E-01	6.30E-01
5.00E-01	6.39E-02	2.40E-01	1.17E-01	2.06E-01	6.26E-01
6.00E-01	6.33E-02	2.33E-01	9.86E-02	2.27E-01	6.21E-01
7.00E-01	6.29E-02	2.27E-01	8.29E-02	2.43E-01	6.15E-01
8.00E-01	6.25E-02	2.21E-01	6.97E-02	2.54E-01	6.07E-01
9.00E-01	6.23E-02	2.16E-01	5.86E-02	2.61E-01	5.98E-01
1.00E+00	6.21E-02	2.11E-01	4.93E-02	2.65E-01	5.87E-01
2.00E+00	6.17E-02	1.77E-01	8.71E-03	2.03E-01	4.51E-01
3.00E+00	6.19E-02	1.60E-01	1.54E-03	1.13E-01	3.36E-01
4.00E+00	6.20E-02	1.50E-01	2.72E-04	5.71E-02	2.70E-01
5.00E+00	6.22E-02	1.44E-01	4.81E-05	2.84E-02	2.35E-01
6.00E+00	6.24E-02	1.41E-01	8.50E-06	1.46E-02	2.18E-01
7.00E+00	6.26E-02	1.38E-01	1.50E-06	8.12E-03	2.09E-01
8.00E+00	6.28E-02	1.36E-01	2.66E-07	5.02E-03	2.03E-01
9.00E+00	6.30E-02	1.34E-01	4.69E-08	3.54E-03	2.00E-01
1.00E+01	6.32E-02	1.32E-01	0.00E+00	2.81E-03	1.98E-01
2.00E+01	6.56E-02	1.16E-01	0.00E+00	1.86E-03	1.83E-01
3.00E+01	6.81E-02	1.02E-01	0.00E+00	1.62E-03	1.71E-01
4.00E+01	7.05E-02	8.93E-02	0.00E+00	1.41E-03	1.61E-01
5.00E+01	7.27E-02	7.84E-02	0.00E+00	1.22E-03	1.52E-01
6.00E+01	7.47E-02	6.89E-02	0.00E+00	1.06E-03	1.45E-01
7.00E+01	7.65E-02	6.05E-02	0.00E+00	9.21E-04	1.38E-01
8.00E+01	7.81E-02	5.31E-02	0.00E+00	8.00E-04	1.32E-01
9.00E+01	7.94E-02	4.66E-02	0.00E+00	6.95E-04	1.27E-01
1.00E+02	8.07E-02	4.09E-02	0.00E+00	6.04E-04	1.22E-01
2.00E+02	8.60E-02	1.10E-02	0.00E+00	1.48E-04	9.72E-02
3.00E+02	8.52E-02	2.95E-03	0.00E+00	3.61E-05	8.82E-02
4.00E+02	8.25E-02	7.85E-04	0.00E+00	8.84E-06	8.33E-02
5.00E+02	7.94E-02	2.07E-04	0.00E+00	2.16E-06	7.96E-02
6.00E+02	7.63E-02	5.44E-05	0.00E+00	5.29E-07	7.63E-02
7.00E+02	7.32E-02	1.42E-05	0.00E+00	1.30E-07	7.32E-02
8.00E+02	7.02E-02	3.70E-06	0.00E+00	3.17E-08	7.02E-02
9.00E+02	6.74E-02	9.59E-07	0.00E+00	0.00E+00	6.74E-02
1.00E+03	6.47E-02	2.48E-07	0.00E+00	0.00E+00	6.47E-02
2.00E+03	4.27E-02	0.00E+00	0.00E+00	0.00E+00	4.27E-02
4.00E+03	1.87E-02	0.00E+00	0.00E+00	0.00E+00	1.87E-02
5.00E+03	1.24E-02	0.00E+00	0.00E+00	0.00E+00	1.24E-02
7.00E+03	5.40E-03	0.00E+00	0.00E+00	0.00E+00	5.40E-03
8.00E+03	3.57E-03	0.00E+00	0.00E+00	0.00E+00	3.57E-03
9.00E+03	2.36E-03	0.00E+00	0.00E+00	0.00E+00	2.36E-03
1.00E+04	1.56E-03	0.00E+00	0.00E+00	0.00E+00	1.56E-03
2.00E+04	2.49E-05	0.00E+00	0.00E+00	0.00E+00	2.49E-05

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		2.12E-03		8.10E-06
2.00E-01		4.05E-03		1.64E-04
3.00E-01		5.53E-03		8.29E-04
4.00E-01		6.65E-03		2.42E-03
5.00E-01		7.52E-03		5.28E-03
6.00E-01		8.18E-03		9.61E-03
7.00E-01		8.70E-03		1.55E-02
8.00E-01		9.10E-03		2.30E-02
9.00E-01		9.41E-03		3.19E-02
1.00E+00	9.66E-03	9.66E-03	4.21E-02	4.21E-02
2.00E+00	9.82E-04	1.06E-02	1.35E-01	1.77E-01
3.00E+00	3.82E-04	1.10E-02	1.14E-01	2.91E-01
4.00E+00	3.27E-04	1.13E-02	6.63E-02	3.58E-01
5.00E+00	3.08E-04	1.16E-02	3.41E-02	3.92E-01
6.00E+00	2.94E-04	1.19E-02	1.70E-02	4.09E-01
7.00E+00	2.81E-04	1.22E-02	8.76E-03	4.17E-01
8.00E+00	2.69E-04	1.25E-02	4.82E-03	4.22E-01
9.00E+00	2.57E-04	1.27E-02	2.96E-03	4.25E-01
1.00E+01	2.47E-04	1.30E-02	2.06E-03	4.27E-01
2.00E+01	1.70E-04	1.50E-02	1.08E-03	4.38E-01
3.00E+01	1.29E-04	1.64E-02	9.37E-04	4.47E-01
4.00E+01	1.05E-04	1.75E-02	8.14E-04	4.55E-01
5.00E+01	8.95E-05	1.84E-02	7.07E-04	4.62E-01
6.00E+01	7.92E-05	1.92E-02	6.14E-04	4.67E-01
7.00E+01	7.15E-05	1.99E-02	5.34E-04	4.72E-01
8.00E+01	6.53E-05	2.05E-02	4.64E-04	4.76E-01
9.00E+01	6.01E-05	2.11E-02	4.03E-04	4.79E-01
1.00E+02	5.56E-05	2.17E-02	3.50E-04	4.82E-01
2.00E+02	2.98E-05	2.52E-02	8.56E-05	4.90E-01
3.00E+02	2.07E-05	2.71E-02	2.09E-05	4.84E-01
4.00E+02	1.75E-05	2.83E-02	5.12E-06	4.75E-01
5.00E+02	1.61E-05	2.94E-02	1.25E-06	4.65E-01
6.00E+02	1.52E-05	3.03E-02	3.07E-07	4.55E-01
7.00E+02	1.45E-05	3.11E-02	7.50E-08	4.45E-01
8.00E+02	1.39E-05	3.19E-02	1.84E-08	4.36E-01
9.00E+02	1.33E-05	3.25E-02	0.00E+00	4.26E-01
1.00E+03	1.28E-05	3.31E-02	0.00E+00	4.17E-01
2.00E+03	8.47E-06	3.61E-02	0.00E+00	3.36E-01
4.00E+03	3.70E-06	3.25E-02	0.00E+00	2.18E-01
7.00E+03	1.07E-06	2.14E-02	0.00E+00	1.14E-01
9.00E+03	4.67E-07	1.50E-02	0.00E+00	7.42E-02

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	6.77E-02	2.76E-01	2.35E-01	5.72E-02	6.36E-01
2.00E-01	6.48E-02	2.65E-01	1.97E-01	1.05E-01	6.33E-01
3.00E-01	6.26E-02	2.56E-01	1.66E-01	1.46E-01	6.30E-01
4.00E-01	6.09E-02	2.47E-01	1.39E-01	1.79E-01	6.26E-01
5.00E-01	5.96E-02	2.40E-01	1.17E-01	2.06E-01	6.22E-01
6.00E-01	5.87E-02	2.33E-01	9.86E-02	2.27E-01	6.17E-01
7.00E-01	5.80E-02	2.27E-01	8.29E-02	2.43E-01	6.10E-01
8.00E-01	5.74E-02	2.21E-01	6.97E-02	2.54E-01	6.02E-01
9.00E-01	5.71E-02	2.16E-01	5.86E-02	2.61E-01	5.93E-01
1.00E+00	5.68E-02	2.11E-01	4.93E-02	2.65E-01	5.82E-01
2.00E+00	5.61E-02	1.77E-01	8.72E-03	2.03E-01	4.46E-01
3.00E+00	5.63E-02	1.60E-01	1.54E-03	1.13E-01	3.31E-01
4.00E+00	5.65E-02	1.50E-01	2.72E-04	5.72E-02	2.64E-01
5.00E+00	5.68E-02	1.45E-01	4.82E-05	2.85E-02	2.30E-01
6.00E+00	5.71E-02	1.41E-01	8.51E-06	1.47E-02	2.13E-01
7.00E+00	5.73E-02	1.38E-01	1.51E-06	8.14E-03	2.04E-01
8.00E+00	5.76E-02	1.36E-01	2.66E-07	5.04E-03	1.99E-01
9.00E+00	5.79E-02	1.34E-01	4.70E-08	3.55E-03	1.95E-01
1.00E+01	5.82E-02	1.32E-01	0.00E+00	2.82E-03	1.93E-01
2.00E+01	6.09E-02	1.16E-01	0.00E+00	1.87E-03	1.79E-01
3.00E+01	6.36E-02	1.02E-01	0.00E+00	1.63E-03	1.68E-01
4.00E+01	6.61E-02	9.01E-02	0.00E+00	1.42E-03	1.58E-01
5.00E+01	6.84E-02	7.93E-02	0.00E+00	1.23E-03	1.49E-01
6.00E+01	7.05E-02	6.98E-02	0.00E+00	1.07E-03	1.41E-01
7.00E+01	7.24E-02	6.14E-02	0.00E+00	9.36E-04	1.35E-01
8.00E+01	7.41E-02	5.40E-02	0.00E+00	8.15E-04	1.29E-01
9.00E+01	7.56E-02	4.75E-02	0.00E+00	7.09E-04	1.24E-01
1.00E+02	7.69E-02	4.18E-02	0.00E+00	6.17E-04	1.19E-01
2.00E+02	8.39E-02	1.15E-02	0.00E+00	1.54E-04	9.56E-02
3.00E+02	8.49E-02	3.15E-03	0.00E+00	3.86E-05	8.81E-02
4.00E+02	8.41E-02	8.55E-04	0.00E+00	9.65E-06	8.50E-02
5.00E+02	8.27E-02	2.31E-04	0.00E+00	2.41E-06	8.29E-02
6.00E+02	8.11E-02	6.19E-05	0.00E+00	6.03E-07	8.12E-02
7.00E+02	7.96E-02	1.65E-05	0.00E+00	1.51E-07	7.96E-02
8.00E+02	7.80E-02	4.40E-06	0.00E+00	3.77E-08	7.80E-02
9.00E+02	7.65E-02	1.16E-06	0.00E+00	0.00E+00	7.65E-02
1.00E+03	7.50E-02	3.08E-07	0.00E+00	0.00E+00	7.50E-02
2.00E+03	6.15E-02	0.00E+00	0.00E+00	0.00E+00	6.15E-02
4.00E+03	4.14E-02	0.00E+00	0.00E+00	0.00E+00	4.14E-02
5.00E+03	3.40E-02	0.00E+00	0.00E+00	0.00E+00	3.40E-02
7.00E+03	2.29E-02	0.00E+00	0.00E+00	0.00E+00	2.29E-02
8.00E+03	1.88E-02	0.00E+00	0.00E+00	0.00E+00	1.88E-02
1.00E+04	1.26E-02	0.00E+00	0.00E+00	0.00E+00	1.26E-02
2.00E+04	1.74E-03	0.00E+00	0.00E+00	0.00E+00	1.74E-03

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		3.30E-03		8.10E-06
2.00E-01		6.31E-03		1.64E-04
3.00E-01		8.59E-03		8.29E-04
4.00E-01		1.03E-02		2.42E-03
5.00E-01		1.17E-02		5.28E-03
6.00E-01		1.27E-02		9.61E-03
7.00E-01		1.34E-02		1.55E-02
8.00E-01		1.40E-02		2.30E-02
9.00E-01		1.45E-02		3.19E-02
1.00E+00	1.48E-02	1.48E-02	4.21E-02	4.21E-02
2.00E+00	1.22E-03	1.61E-02	1.35E-01	1.77E-01
3.00E+00	3.13E-04	1.64E-02	1.14E-01	2.92E-01
4.00E+00	2.46E-04	1.66E-02	6.65E-02	3.58E-01
5.00E+00	2.34E-04	1.69E-02	3.42E-02	3.92E-01
6.00E+00	2.26E-04	1.71E-02	1.71E-02	4.09E-01
7.00E+00	2.19E-04	1.73E-02	8.78E-03	4.18E-01
8.00E+00	2.12E-04	1.75E-02	4.84E-03	4.23E-01
9.00E+00	2.06E-04	1.77E-02	2.97E-03	4.26E-01
1.00E+01	2.00E-04	1.79E-02	2.07E-03	4.28E-01
2.00E+01	1.56E-04	1.97E-02	1.09E-03	4.40E-01
3.00E+01	1.29E-04	2.11E-02	9.44E-04	4.51E-01
4.00E+01	1.12E-04	2.22E-02	8.22E-04	4.59E-01
5.00E+01	9.97E-05	2.33E-02	7.15E-04	4.67E-01
6.00E+01	9.01E-05	2.42E-02	6.23E-04	4.74E-01
7.00E+01	8.22E-05	2.51E-02	5.42E-04	4.79E-01
8.00E+01	7.54E-05	2.59E-02	4.72E-04	4.84E-01
9.00E+01	6.95E-05	2.66E-02	4.11E-04	4.89E-01
1.00E+02	6.41E-05	2.73E-02	3.58E-04	4.93E-01
2.00E+02	3.27E-05	3.18E-02	8.94E-05	5.12E-01
3.00E+02	2.18E-05	3.44E-02	2.24E-05	5.17E-01
4.00E+02	1.81E-05	3.64E-02	5.59E-06	5.18E-01
5.00E+02	1.68E-05	3.82E-02	1.40E-06	5.18E-01
6.00E+02	1.62E-05	3.98E-02	3.49E-07	5.18E-01
7.00E+02	1.58E-05	4.14E-02	8.73E-08	5.18E-01
8.00E+02	1.55E-05	4.30E-02	2.18E-08	5.18E-01
9.00E+02	1.52E-05	4.45E-02	0.00E+00	5.18E-01
1.00E+03	1.49E-05	4.60E-02	0.00E+00	5.18E-01
2.00E+03	1.22E-05	5.95E-02	0.00E+00	5.18E-01
4.00E+03	8.20E-06	7.96E-02	0.00E+00	5.18E-01
8.00E+03	3.71E-06	1.02E-01	0.00E+00	5.18E-01
1.00E+04	2.50E-06	1.08E-01	0.00E+00	5.18E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	6.80E-02	2.76E-01	2.35E-01	5.72E-02	6.36E-01
2.00E-01	6.54E-02	2.65E-01	1.97E-01	1.05E-01	6.33E-01
3.00E-01	6.33E-02	2.56E-01	1.66E-01	1.46E-01	6.30E-01
4.00E-01	6.18E-02	2.47E-01	1.39E-01	1.79E-01	6.27E-01
5.00E-01	6.07E-02	2.40E-01	1.17E-01	2.06E-01	6.23E-01
6.00E-01	5.98E-02	2.33E-01	9.86E-02	2.27E-01	6.18E-01
7.00E-01	5.91E-02	2.27E-01	8.29E-02	2.43E-01	6.11E-01
8.00E-01	5.86E-02	2.21E-01	6.97E-02	2.54E-01	6.03E-01
9.00E-01	5.83E-02	2.16E-01	5.86E-02	2.61E-01	5.94E-01
1.00E+00	5.80E-02	2.11E-01	4.93E-02	2.65E-01	5.83E-01
2.00E+00	5.73E-02	1.77E-01	8.72E-03	2.03E-01	4.47E-01
3.00E+00	5.75E-02	1.60E-01	1.54E-03	1.13E-01	3.32E-01
4.00E+00	5.76E-02	1.50E-01	2.72E-04	5.72E-02	2.65E-01
5.00E+00	5.78E-02	1.45E-01	4.82E-05	2.85E-02	2.31E-01
6.00E+00	5.81E-02	1.41E-01	8.51E-06	1.47E-02	2.14E-01
7.00E+00	5.83E-02	1.38E-01	1.51E-06	8.14E-03	2.05E-01
8.00E+00	5.85E-02	1.36E-01	2.66E-07	5.04E-03	1.99E-01
9.00E+00	5.87E-02	1.34E-01	4.70E-08	3.55E-03	1.96E-01
1.00E+01	5.89E-02	1.32E-01	0.00E+00	2.82E-03	1.94E-01
2.00E+01	6.14E-02	1.16E-01	0.00E+00	1.87E-03	1.79E-01
3.00E+01	6.39E-02	1.02E-01	0.00E+00	1.63E-03	1.68E-01
4.00E+01	6.63E-02	9.01E-02	0.00E+00	1.42E-03	1.58E-01
5.00E+01	6.86E-02	7.93E-02	0.00E+00	1.23E-03	1.49E-01
6.00E+01	7.06E-02	6.98E-02	0.00E+00	1.07E-03	1.41E-01
7.00E+01	7.25E-02	6.14E-02	0.00E+00	9.36E-04	1.35E-01
8.00E+01	7.42E-02	5.40E-02	0.00E+00	8.15E-04	1.29E-01
9.00E+01	7.57E-02	4.75E-02	0.00E+00	7.09E-04	1.24E-01
1.00E+02	7.70E-02	4.18E-02	0.00E+00	6.17E-04	1.19E-01
2.00E+02	8.39E-02	1.15E-02	0.00E+00	1.54E-04	9.56E-02
3.00E+02	8.50E-02	3.15E-03	0.00E+00	3.86E-05	8.81E-02
4.00E+02	8.41E-02	8.55E-04	0.00E+00	9.65E-06	8.50E-02
5.00E+02	8.27E-02	2.31E-04	0.00E+00	2.41E-06	8.29E-02
6.00E+02	8.11E-02	6.19E-05	0.00E+00	6.03E-07	8.12E-02
7.00E+02	7.96E-02	1.65E-05	0.00E+00	1.51E-07	7.96E-02
8.00E+02	7.80E-02	4.40E-06	0.00E+00	3.77E-08	7.80E-02
9.00E+02	7.65E-02	1.16E-06	0.00E+00	0.00E+00	7.65E-02
1.00E+03	7.50E-02	3.08E-07	0.00E+00	0.00E+00	7.50E-02
2.00E+03	6.15E-02	0.00E+00	0.00E+00	0.00E+00	6.15E-02
4.00E+03	4.14E-02	0.00E+00	0.00E+00	0.00E+00	4.14E-02
5.00E+03	3.40E-02	0.00E+00	0.00E+00	0.00E+00	3.40E-02
7.00E+03	2.29E-02	0.00E+00	0.00E+00	0.00E+00	2.29E-02
8.00E+03	1.88E-02	0.00E+00	0.00E+00	0.00E+00	1.88E-02
1.00E+04	1.26E-02	0.00E+00	0.00E+00	0.00E+00	1.26E-02
2.00E+04	1.74E-03	0.00E+00	0.00E+00	0.00E+00	1.74E-03

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		3.01E-03		8.10E-06
2.00E-01		5.75E-03		1.64E-04
3.00E-01		7.84E-03		8.29E-04
4.00E-01		9.43E-03		2.42E-03
5.00E-01		1.06E-02		5.28E-03
6.00E-01		1.16E-02		9.61E-03
7.00E-01		1.23E-02		1.55E-02
8.00E-01		1.28E-02		2.30E-02
9.00E-01		1.33E-02		3.19E-02
1.00E+00	1.36E-02	1.36E-02	4.21E-02	4.21E-02
2.00E+00	1.21E-03	1.48E-02	1.35E-01	1.77E-01
3.00E+00	3.81E-04	1.52E-02	1.14E-01	2.92E-01
4.00E+00	3.15E-04	1.55E-02	6.65E-02	3.58E-01
5.00E+00	2.99E-04	1.58E-02	3.42E-02	3.92E-01
6.00E+00	2.87E-04	1.61E-02	1.71E-02	4.09E-01
7.00E+00	2.75E-04	1.64E-02	8.78E-03	4.18E-01
8.00E+00	2.65E-04	1.66E-02	4.84E-03	4.23E-01
9.00E+00	2.55E-04	1.69E-02	2.97E-03	4.26E-01
1.00E+01	2.46E-04	1.71E-02	2.07E-03	4.28E-01
2.00E+01	1.80E-04	1.92E-02	1.09E-03	4.40E-01
3.00E+01	1.42E-04	2.08E-02	9.44E-04	4.51E-01
4.00E+01	1.19E-04	2.21E-02	8.22E-04	4.59E-01
5.00E+01	1.04E-04	2.32E-02	7.15E-04	4.67E-01
6.00E+01	9.25E-05	2.41E-02	6.23E-04	4.74E-01
7.00E+01	8.38E-05	2.50E-02	5.42E-04	4.79E-01
8.00E+01	7.66E-05	2.58E-02	4.72E-04	4.84E-01
9.00E+01	7.04E-05	2.65E-02	4.11E-04	4.89E-01
1.00E+02	6.49E-05	2.72E-02	3.58E-04	4.93E-01
2.00E+02	3.29E-05	3.18E-02	8.94E-05	5.12E-01
3.00E+02	2.19E-05	3.44E-02	2.24E-05	5.17E-01
4.00E+02	1.82E-05	3.64E-02	5.59E-06	5.18E-01
5.00E+02	1.68E-05	3.81E-02	1.40E-06	5.18E-01
6.00E+02	1.62E-05	3.98E-02	3.49E-07	5.18E-01
7.00E+02	1.58E-05	4.14E-02	8.73E-08	5.18E-01
8.00E+02	1.55E-05	4.30E-02	2.18E-08	5.18E-01
9.00E+02	1.52E-05	4.45E-02	0.00E+00	5.18E-01
1.00E+03	1.49E-05	4.60E-02	0.00E+00	5.18E-01
2.00E+03	1.22E-05	5.95E-02	0.00E+00	5.18E-01
4.00E+03	8.20E-06	7.96E-02	0.00E+00	5.18E-01
8.00E+03	3.71E-06	1.02E-01	0.00E+00	5.18E-01
1.00E+04	2.50E-06	1.08E-01	0.00E+00	5.18E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	6.68E-02	2.76E-01	2.35E-01	5.72E-02	6.35E-01
2.00E-01	6.31E-02	2.65E-01	1.97E-01	1.05E-01	6.31E-01
3.00E-01	6.03E-02	2.56E-01	1.66E-01	1.46E-01	6.27E-01
4.00E-01	5.81E-02	2.47E-01	1.39E-01	1.79E-01	6.24E-01
5.00E-01	5.65E-02	2.40E-01	1.17E-01	2.06E-01	6.19E-01
6.00E-01	5.53E-02	2.33E-01	9.86E-02	2.27E-01	6.13E-01
7.00E-01	5.44E-02	2.27E-01	8.29E-02	2.43E-01	6.07E-01
8.00E-01	5.37E-02	2.21E-01	6.97E-02	2.54E-01	5.98E-01
9.00E-01	5.32E-02	2.16E-01	5.86E-02	2.61E-01	5.89E-01
1.00E+00	5.28E-02	2.11E-01	4.93E-02	2.65E-01	5.78E-01
2.00E+00	5.19E-02	1.77E-01	8.72E-03	2.03E-01	4.41E-01
3.00E+00	5.21E-02	1.60E-01	1.54E-03	1.13E-01	3.27E-01
4.00E+00	5.23E-02	1.50E-01	2.72E-04	5.72E-02	2.60E-01
5.00E+00	5.26E-02	1.45E-01	4.82E-05	2.85E-02	2.26E-01
6.00E+00	5.29E-02	1.41E-01	8.51E-06	1.47E-02	2.08E-01
7.00E+00	5.32E-02	1.38E-01	1.51E-06	8.14E-03	1.99E-01
8.00E+00	5.34E-02	1.36E-01	2.66E-07	5.04E-03	1.94E-01
9.00E+00	5.37E-02	1.34E-01	4.70E-08	3.55E-03	1.91E-01
1.00E+01	5.40E-02	1.32E-01	0.00E+00	2.82E-03	1.89E-01
2.00E+01	5.67E-02	1.16E-01	0.00E+00	1.87E-03	1.75E-01
3.00E+01	5.93E-02	1.02E-01	0.00E+00	1.63E-03	1.63E-01
4.00E+01	6.17E-02	9.01E-02	0.00E+00	1.42E-03	1.53E-01
5.00E+01	6.38E-02	7.93E-02	0.00E+00	1.23E-03	1.44E-01
6.00E+01	6.58E-02	6.98E-02	0.00E+00	1.07E-03	1.37E-01
7.00E+01	6.76E-02	6.14E-02	0.00E+00	9.36E-04	1.30E-01
8.00E+01	6.91E-02	5.40E-02	0.00E+00	8.15E-04	1.24E-01
9.00E+01	7.05E-02	4.75E-02	0.00E+00	7.09E-04	1.19E-01
1.00E+02	7.18E-02	4.18E-02	0.00E+00	6.17E-04	1.14E-01
2.00E+02	7.83E-02	1.15E-02	0.00E+00	1.54E-04	9.00E-02
3.00E+02	7.93E-02	3.15E-03	0.00E+00	3.86E-05	8.25E-02
4.00E+02	7.85E-02	8.55E-04	0.00E+00	9.65E-06	7.94E-02
5.00E+02	7.72E-02	2.31E-04	0.00E+00	2.41E-06	7.74E-02
6.00E+02	7.57E-02	6.19E-05	0.00E+00	6.03E-07	7.58E-02
7.00E+02	7.43E-02	1.65E-05	0.00E+00	1.51E-07	7.43E-02
8.00E+02	7.28E-02	4.40E-06	0.00E+00	3.77E-08	7.28E-02
9.00E+02	7.14E-02	1.16E-06	0.00E+00	0.00E+00	7.14E-02
1.00E+03	7.00E-02	3.08E-07	0.00E+00	0.00E+00	7.00E-02
2.00E+03	5.74E-02	0.00E+00	0.00E+00	0.00E+00	5.74E-02
4.00E+03	3.86E-02	0.00E+00	0.00E+00	0.00E+00	3.86E-02
5.00E+03	3.17E-02	0.00E+00	0.00E+00	0.00E+00	3.17E-02
7.00E+03	2.13E-02	0.00E+00	0.00E+00	0.00E+00	2.13E-02
8.00E+03	1.75E-02	0.00E+00	0.00E+00	0.00E+00	1.75E-02
1.00E+04	1.18E-02	0.00E+00	0.00E+00	0.00E+00	1.18E-02
2.00E+04	1.63E-03	0.00E+00	0.00E+00	0.00E+00	1.63E-03

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		4.19E-03		8.10E-06
2.00E-01		8.01E-03		1.64E-04
3.00E-01		1.09E-02		8.29E-04
4.00E-01		1.31E-02		2.42E-03
5.00E-01		1.48E-02		5.28E-03
6.00E-01		1.61E-02		9.61E-03
7.00E-01		1.70E-02		1.55E-02
8.00E-01		1.78E-02		2.30E-02
9.00E-01		1.84E-02		3.19E-02
1.00E+00	1.88E-02	1.88E-02	4.21E-02	4.21E-02
2.00E+00	1.47E-03	2.03E-02	1.35E-01	1.77E-01
3.00E+00	3.17E-04	2.06E-02	1.14E-01	2.92E-01
4.00E+00	2.37E-04	2.08E-02	6.65E-02	3.58E-01
5.00E+00	2.26E-04	2.10E-02	3.42E-02	3.92E-01
6.00E+00	2.20E-04	2.13E-02	1.71E-02	4.09E-01
7.00E+00	2.14E-04	2.15E-02	8.78E-03	4.18E-01
8.00E+00	2.09E-04	2.17E-02	4.84E-03	4.23E-01
9.00E+00	2.04E-04	2.19E-02	2.97E-03	4.26E-01
1.00E+01	2.00E-04	2.21E-02	2.07E-03	4.28E-01
2.00E+01	1.65E-04	2.39E-02	1.09E-03	4.40E-01
3.00E+01	1.42E-04	2.54E-02	9.44E-04	4.51E-01
4.00E+01	1.26E-04	2.67E-02	8.22E-04	4.59E-01
5.00E+01	1.13E-04	2.79E-02	7.15E-04	4.67E-01
6.00E+01	1.03E-04	2.90E-02	6.23E-04	4.74E-01
7.00E+01	9.36E-05	3.00E-02	5.42E-04	4.79E-01
8.00E+01	8.57E-05	3.08E-02	4.72E-04	4.84E-01
9.00E+01	7.87E-05	3.17E-02	4.11E-04	4.89E-01
1.00E+02	7.23E-05	3.24E-02	3.58E-04	4.93E-01
2.00E+02	3.46E-05	3.74E-02	8.94E-05	5.12E-01
3.00E+02	2.16E-05	4.01E-02	2.24E-05	5.17E-01
4.00E+02	1.73E-05	4.20E-02	5.59E-06	5.18E-01
5.00E+02	1.58E-05	4.37E-02	1.40E-06	5.18E-01
6.00E+02	1.51E-05	4.52E-02	3.49E-07	5.18E-01
7.00E+02	1.47E-05	4.67E-02	8.73E-08	5.18E-01
8.00E+02	1.44E-05	4.82E-02	2.18E-08	5.18E-01
9.00E+02	1.41E-05	4.96E-02	0.00E+00	5.18E-01
1.00E+03	1.39E-05	5.10E-02	0.00E+00	5.18E-01
2.00E+03	1.14E-05	6.36E-02	0.00E+00	5.18E-01
4.00E+03	7.65E-06	8.23E-02	0.00E+00	5.18E-01
8.00E+03	3.47E-06	1.03E-01	0.00E+00	5.18E-01
1.00E+04	2.33E-06	1.09E-01	0.00E+00	5.18E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	6.87E-02	2.76E-01	2.35E-01	5.72E-02	6.37E-01
2.00E-01	6.68E-02	2.65E-01	1.97E-01	1.05E-01	6.35E-01
3.00E-01	6.53E-02	2.56E-01	1.66E-01	1.46E-01	6.32E-01
4.00E-01	6.42E-02	2.47E-01	1.39E-01	1.79E-01	6.30E-01
5.00E-01	6.34E-02	2.40E-01	1.17E-01	2.06E-01	6.26E-01
6.00E-01	6.28E-02	2.33E-01	9.86E-02	2.27E-01	6.21E-01
7.00E-01	6.23E-02	2.27E-01	8.29E-02	2.43E-01	6.15E-01
8.00E-01	6.20E-02	2.21E-01	6.97E-02	2.54E-01	6.07E-01
9.00E-01	6.17E-02	2.16E-01	5.86E-02	2.61E-01	5.97E-01
1.00E+00	6.16E-02	2.11E-01	4.93E-02	2.65E-01	5.87E-01
2.00E+00	6.14E-02	1.77E-01	8.72E-03	2.03E-01	4.51E-01
3.00E+00	6.17E-02	1.60E-01	1.54E-03	1.13E-01	3.36E-01
4.00E+00	6.22E-02	1.50E-01	2.72E-04	5.72E-02	2.70E-01
5.00E+00	6.26E-02	1.45E-01	4.82E-05	2.85E-02	2.36E-01
6.00E+00	6.30E-02	1.41E-01	8.51E-06	1.47E-02	2.18E-01
7.00E+00	6.34E-02	1.38E-01	1.51E-06	8.14E-03	2.10E-01
8.00E+00	6.38E-02	1.36E-01	2.66E-07	5.04E-03	2.05E-01
9.00E+00	6.42E-02	1.34E-01	4.70E-08	3.55E-03	2.02E-01
1.00E+01	6.46E-02	1.32E-01	0.00E+00	2.82E-03	1.99E-01
2.00E+01	6.83E-02	1.16E-01	0.00E+00	1.87E-03	1.86E-01
3.00E+01	7.16E-02	1.02E-01	0.00E+00	1.63E-03	1.76E-01
4.00E+01	7.46E-02	9.01E-02	0.00E+00	1.42E-03	1.66E-01
5.00E+01	7.73E-02	7.93E-02	0.00E+00	1.23E-03	1.58E-01
6.00E+01	7.97E-02	6.98E-02	0.00E+00	1.07E-03	1.51E-01
7.00E+01	8.19E-02	6.14E-02	0.00E+00	9.36E-04	1.44E-01
8.00E+01	8.38E-02	5.40E-02	0.00E+00	8.15E-04	1.39E-01
9.00E+01	8.55E-02	4.75E-02	0.00E+00	7.09E-04	1.34E-01
1.00E+02	8.71E-02	4.18E-02	0.00E+00	6.17E-04	1.29E-01
2.00E+02	9.50E-02	1.15E-02	0.00E+00	1.54E-04	1.07E-01
3.00E+02	9.63E-02	3.15E-03	0.00E+00	3.86E-05	9.94E-02
4.00E+02	9.53E-02	8.55E-04	0.00E+00	9.65E-06	9.62E-02
5.00E+02	9.37E-02	2.31E-04	0.00E+00	2.41E-06	9.40E-02
6.00E+02	9.20E-02	6.19E-05	0.00E+00	6.03E-07	9.20E-02
7.00E+02	9.02E-02	1.65E-05	0.00E+00	1.51E-07	9.02E-02
8.00E+02	8.84E-02	4.40E-06	0.00E+00	3.77E-08	8.84E-02
9.00E+02	8.67E-02	1.16E-06	0.00E+00	0.00E+00	8.67E-02
1.00E+03	8.50E-02	3.08E-07	0.00E+00	0.00E+00	8.50E-02
2.00E+03	6.97E-02	0.00E+00	0.00E+00	0.00E+00	6.97E-02
4.00E+03	4.69E-02	0.00E+00	0.00E+00	0.00E+00	4.69E-02
5.00E+03	3.85E-02	0.00E+00	0.00E+00	0.00E+00	3.85E-02
7.00E+03	2.59E-02	0.00E+00	0.00E+00	0.00E+00	2.59E-02
8.00E+03	2.13E-02	0.00E+00	0.00E+00	0.00E+00	2.13E-02
1.00E+04	1.43E-02	0.00E+00	0.00E+00	0.00E+00	1.43E-02
2.00E+04	1.98E-03	0.00E+00	0.00E+00	0.00E+00	1.98E-03

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		2.24E-03		8.10E-06
2.00E-01		4.28E-03		1.64E-04
3.00E-01		5.83E-03		8.29E-04
4.00E-01		7.00E-03		2.42E-03
5.00E-01		7.90E-03		5.28E-03
6.00E-01		8.58E-03		9.61E-03
7.00E-01		9.10E-03		1.55E-02
8.00E-01		9.49E-03		2.30E-02
9.00E-01		9.79E-03		3.19E-02
1.00E+00	1.00E-02	1.00E-02	4.21E-02	4.21E-02
2.00E+00	7.46E-04	1.08E-02	1.35E-01	1.77E-01
3.00E+00	1.31E-04	1.09E-02	1.14E-01	2.92E-01
4.00E+00	9.11E-05	1.10E-02	6.65E-02	3.58E-01
5.00E+00	8.77E-05	1.11E-02	3.42E-02	3.92E-01
6.00E+00	8.67E-05	1.12E-02	1.71E-02	4.09E-01
7.00E+00	8.60E-05	1.13E-02	8.78E-03	4.18E-01
8.00E+00	8.54E-05	1.13E-02	4.84E-03	4.23E-01
9.00E+00	8.48E-05	1.14E-02	2.97E-03	4.26E-01
1.00E+01	8.42E-05	1.15E-02	2.07E-03	4.28E-01
2.00E+01	7.84E-05	1.23E-02	1.09E-03	4.40E-01
3.00E+01	7.31E-05	1.31E-02	9.44E-04	4.51E-01
4.00E+01	6.81E-05	1.38E-02	8.22E-04	4.59E-01
5.00E+01	6.36E-05	1.44E-02	7.15E-04	4.67E-01
6.00E+01	5.94E-05	1.50E-02	6.23E-04	4.74E-01
7.00E+01	5.55E-05	1.56E-02	5.42E-04	4.79E-01
8.00E+01	5.20E-05	1.62E-02	4.72E-04	4.84E-01
9.00E+01	4.88E-05	1.67E-02	4.11E-04	4.89E-01
1.00E+02	4.59E-05	1.71E-02	3.58E-04	4.93E-01
2.00E+02	2.83E-05	2.07E-02	8.94E-05	5.12E-01
3.00E+02	2.20E-05	2.31E-02	2.24E-05	5.17E-01
4.00E+02	1.97E-05	2.52E-02	5.59E-06	5.18E-01
5.00E+02	1.88E-05	2.71E-02	1.40E-06	5.18E-01
6.00E+02	1.83E-05	2.90E-02	3.49E-07	5.18E-01
7.00E+02	1.79E-05	3.08E-02	8.73E-08	5.18E-01
8.00E+02	1.75E-05	3.26E-02	2.18E-08	5.18E-01
9.00E+02	1.72E-05	3.43E-02	0.00E+00	5.18E-01
1.00E+03	1.68E-05	3.60E-02	0.00E+00	5.18E-01
2.00E+03	1.38E-05	5.13E-02	0.00E+00	5.18E-01
4.00E+03	9.29E-06	7.41E-02	0.00E+00	5.18E-01
8.00E+03	4.21E-06	9.97E-02	0.00E+00	5.18E-01
1.00E+04	2.83E-06	1.07E-01	0.00E+00	5.18E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	6.72E-02	2.76E-01	2.35E-01	5.72E-02	6.35E-01
2.00E-01	6.40E-02	2.65E-01	1.97E-01	1.05E-01	6.32E-01
3.00E-01	6.15E-02	2.56E-01	1.66E-01	1.46E-01	6.29E-01
4.00E-01	5.96E-02	2.47E-01	1.39E-01	1.79E-01	6.25E-01
5.00E-01	5.81E-02	2.40E-01	1.17E-01	2.06E-01	6.21E-01
6.00E-01	5.71E-02	2.33E-01	9.86E-02	2.27E-01	6.15E-01
7.00E-01	5.63E-02	2.27E-01	8.29E-02	2.43E-01	6.08E-01
8.00E-01	5.57E-02	2.21E-01	6.97E-02	2.54E-01	6.00E-01
9.00E-01	5.52E-02	2.16E-01	5.86E-02	2.61E-01	5.91E-01
1.00E+00	5.49E-02	2.11E-01	4.93E-02	2.65E-01	5.80E-01
2.00E+00	5.42E-02	1.77E-01	8.72E-03	2.03E-01	4.44E-01
3.00E+00	5.45E-02	1.60E-01	1.54E-03	1.13E-01	3.29E-01
4.00E+00	5.49E-02	1.50E-01	2.72E-04	5.72E-02	2.63E-01
5.00E+00	5.52E-02	1.45E-01	4.82E-05	2.85E-02	2.28E-01
6.00E+00	5.56E-02	1.41E-01	8.51E-06	1.47E-02	2.11E-01
7.00E+00	5.59E-02	1.38E-01	1.51E-06	8.14E-03	2.02E-01
8.00E+00	5.63E-02	1.36E-01	2.66E-07	5.04E-03	1.97E-01
9.00E+00	5.66E-02	1.34E-01	4.70E-08	3.55E-03	1.94E-01
1.00E+01	5.70E-02	1.32E-01	0.00E+00	2.82E-03	1.92E-01
2.00E+01	6.02E-02	1.16E-01	0.00E+00	1.87E-03	1.78E-01
3.00E+01	6.32E-02	1.02E-01	0.00E+00	1.63E-03	1.67E-01
4.00E+01	6.58E-02	9.01E-02	0.00E+00	1.42E-03	1.57E-01
5.00E+01	6.82E-02	7.93E-02	0.00E+00	1.23E-03	1.49E-01
6.00E+01	7.04E-02	6.98E-02	0.00E+00	1.07E-03	1.41E-01
7.00E+01	7.23E-02	6.14E-02	0.00E+00	9.36E-04	1.35E-01
8.00E+01	7.40E-02	5.40E-02	0.00E+00	8.15E-04	1.29E-01
9.00E+01	7.55E-02	4.75E-02	0.00E+00	7.09E-04	1.24E-01
1.00E+02	7.68E-02	4.18E-02	0.00E+00	6.17E-04	1.19E-01
2.00E+02	8.39E-02	1.15E-02	0.00E+00	1.54E-04	9.55E-02
3.00E+02	8.49E-02	3.15E-03	0.00E+00	3.86E-05	8.81E-02
4.00E+02	8.41E-02	8.55E-04	0.00E+00	9.65E-06	8.50E-02
5.00E+02	8.27E-02	2.31E-04	0.00E+00	2.41E-06	8.29E-02
6.00E+02	8.11E-02	6.19E-05	0.00E+00	6.03E-07	8.12E-02
7.00E+02	7.96E-02	1.65E-05	0.00E+00	1.51E-07	7.96E-02
8.00E+02	7.80E-02	4.40E-06	0.00E+00	3.77E-08	7.80E-02
9.00E+02	7.65E-02	1.16E-06	0.00E+00	0.00E+00	7.65E-02
1.00E+03	7.50E-02	3.08E-07	0.00E+00	0.00E+00	7.50E-02
2.00E+03	6.15E-02	0.00E+00	0.00E+00	0.00E+00	6.15E-02
4.00E+03	4.14E-02	0.00E+00	0.00E+00	0.00E+00	4.14E-02
5.00E+03	3.40E-02	0.00E+00	0.00E+00	0.00E+00	3.40E-02
7.00E+03	2.29E-02	0.00E+00	0.00E+00	0.00E+00	2.29E-02
8.00E+03	1.88E-02	0.00E+00	0.00E+00	0.00E+00	1.88E-02
1.00E+04	1.26E-02	0.00E+00	0.00E+00	0.00E+00	1.26E-02
2.00E+04	1.74E-03	0.00E+00	0.00E+00	0.00E+00	1.74E-03

CLASS W

AMAD = 1 MICRON

STABLE

ERBIUM 167

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		3.74E-03		8.10E-06
2.00E-01		7.13E-03		1.64E-04
3.00E-01		9.71E-03		8.29E-04
4.00E-01		1.17E-02		2.42E-03
5.00E-01		1.32E-02		5.28E-03
6.00E-01		1.43E-02		9.61E-03
7.00E-01		1.52E-02		1.55E-02
8.00E-01		1.58E-02		2.30E-02
9.00E-01		1.63E-02		3.19E-02
1.00E+00	1.67E-02	1.67E-02	4.21E-02	4.21E-02
2.00E+00	1.23E-03	1.79E-02	1.35E-01	1.77E-01
3.00E+00	2.09E-04	1.81E-02	1.14E-01	2.92E-01
4.00E+00	1.42E-04	1.83E-02	6.65E-02	3.58E-01
5.00E+00	1.36E-04	1.84E-02	3.42E-02	3.92E-01
6.00E+00	1.35E-04	1.86E-02	1.71E-02	4.09E-01
7.00E+00	1.34E-04	1.87E-02	8.78E-03	4.18E-01
8.00E+00	1.32E-04	1.88E-02	4.84E-03	4.23E-01
9.00E+00	1.31E-04	1.90E-02	2.97E-03	4.26E-01
1.00E+01	1.30E-04	1.91E-02	2.07E-03	4.28E-01
2.00E+01	1.20E-04	2.03E-02	1.09E-03	4.40E-01
3.00E+01	1.11E-04	2.15E-02	9.44E-04	4.51E-01
4.00E+01	1.02E-04	2.25E-02	8.22E-04	4.59E-01
5.00E+01	9.40E-05	2.35E-02	7.15E-04	4.67E-01
6.00E+01	8.66E-05	2.44E-02	6.23E-04	4.74E-01
7.00E+01	7.99E-05	2.52E-02	5.42E-04	4.79E-01
8.00E+01	7.37E-05	2.60E-02	4.72E-04	4.84E-01
9.00E+01	6.81E-05	2.67E-02	4.11E-04	4.89E-01
1.00E+02	6.30E-05	2.74E-02	3.58E-04	4.93E-01
2.00E+02	3.23E-05	3.19E-02	8.94E-05	5.12E-01
3.00E+02	2.17E-05	3.45E-02	2.24E-05	5.17E-01
4.00E+02	1.81E-05	3.64E-02	5.59E-06	5.18E-01
5.00E+02	1.68E-05	3.82E-02	1.40E-06	5.18E-01
6.00E+02	1.62E-05	3.98E-02	3.49E-07	5.18E-01
7.00E+02	1.58E-05	4.14E-02	8.73E-08	5.18E-01
8.00E+02	1.55E-05	4.30E-02	2.18E-08	5.18E-01
9.00E+02	1.51E-05	4.45E-02	0.00E+00	5.18E-01
1.00E+03	1.49E-05	4.60E-02	0.00E+00	5.18E-01
2.00E+03	1.22E-05	5.95E-02	0.00E+00	5.18E-01
4.00E+03	8.20E-06	7.96E-02	0.00E+00	5.18E-01
5.00E+03	6.73E-06	8.70E-02	0.00E+00	5.18E-01
8.00E+03	3.71E-06	1.02E-01	0.00E+00	5.18E-01
1.00E+04	2.50E-06	1.08E-01	0.00E+00	5.18E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	6.78E-02	2.76E-01	2.34E-01	5.71E-02	6.36E-01
2.00E-01	6.50E-02	2.65E-01	1.97E-01	1.05E-01	6.32E-01
3.00E-01	6.29E-02	2.55E-01	1.66E-01	1.45E-01	6.29E-01
4.00E-01	6.13E-02	2.47E-01	1.39E-01	1.78E-01	6.26E-01
5.00E-01	6.01E-02	2.39E-01	1.17E-01	2.05E-01	6.21E-01
6.00E-01	5.92E-02	2.32E-01	9.83E-02	2.26E-01	6.16E-01
7.00E-01	5.85E-02	2.26E-01	8.26E-02	2.42E-01	6.09E-01
8.00E-01	5.79E-02	2.20E-01	6.94E-02	2.53E-01	6.00E-01
9.00E-01	5.76E-02	2.15E-01	5.84E-02	2.60E-01	5.91E-01
1.00E+00	5.73E-02	2.10E-01	4.91E-02	2.64E-01	5.80E-01
2.00E+00	5.65E-02	1.75E-01	8.62E-03	2.01E-01	4.42E-01
3.00E+00	5.65E-02	1.57E-01	1.52E-03	1.11E-01	3.27E-01
4.00E+00	5.66E-02	1.47E-01	2.67E-04	5.60E-02	2.60E-01
5.00E+00	5.66E-02	1.41E-01	4.69E-05	2.77E-02	2.25E-01
6.00E+00	5.67E-02	1.36E-01	8.24E-06	1.42E-02	2.07E-01
7.00E+00	5.67E-02	1.33E-01	1.45E-06	7.83E-03	1.98E-01
8.00E+00	5.68E-02	1.30E-01	2.55E-07	4.82E-03	1.92E-01
9.00E+00	5.68E-02	1.28E-01	4.48E-08	3.38E-03	1.88E-01
1.00E+01	5.69E-02	1.25E-01	0.00E+00	2.67E-03	1.85E-01
2.00E+01	5.70E-02	1.04E-01	0.00E+00	1.68E-03	1.63E-01
3.00E+01	5.66E-02	8.70E-02	0.00E+00	1.39E-03	1.45E-01
4.00E+01	5.59E-02	7.26E-02	0.00E+00	1.14E-03	1.30E-01
5.00E+01	5.49E-02	6.05E-02	0.00E+00	9.43E-04	1.16E-01
6.00E+01	5.36E-02	5.05E-02	0.00E+00	7.78E-04	1.05E-01
7.00E+01	5.22E-02	4.21E-02	0.00E+00	6.42E-04	9.49E-02
8.00E+01	5.06E-02	3.51E-02	0.00E+00	5.29E-04	8.62E-02
9.00E+01	4.90E-02	2.92E-02	0.00E+00	4.37E-04	7.86E-02
1.00E+02	4.72E-02	2.44E-02	0.00E+00	3.60E-04	7.19E-02
2.00E+02	3.01E-02	3.92E-03	0.00E+00	5.25E-05	3.40E-02
3.00E+02	1.78E-02	6.26E-04	0.00E+00	7.66E-06	1.84E-02
4.00E+02	1.03E-02	9.90E-05	0.00E+00	1.12E-06	1.04E-02
5.00E+02	5.88E-03	1.56E-05	0.00E+00	1.63E-07	5.90E-03
6.00E+02	3.37E-03	2.44E-06	0.00E+00	2.38E-08	3.37E-03
7.00E+02	1.93E-03	3.80E-07	0.00E+00	0.00E+00	1.93E-03
8.00E+02	1.10E-03	5.89E-08	0.00E+00	0.00E+00	1.10E-03
9.00E+02	6.30E-04	0.00E+00	0.00E+00	0.00E+00	6.30E-04
1.00E+03	3.60E-04	0.00E+00	0.00E+00	0.00E+00	3.60E-04
2.00E+03	1.35E-06	0.00E+00	0.00E+00	0.00E+00	1.35E-06

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		3.14E-03		8.10E-06
2.00E-01		5.99E-03		1.64E-04
3.00E-01		8.15E-03		8.28E-04
4.00E-01		9.78E-03		2.42E-03
5.00E-01		1.10E-02		5.26E-03
6.00E-01		1.20E-02		9.58E-03
7.00E-01		1.27E-02		1.55E-02
8.00E-01		1.32E-02		2.29E-02
9.00E-01		1.36E-02		3.18E-02
1.00E+00	1.40E-02	1.40E-02	4.19E-02	4.19E-02
2.00E+00	1.03E-03	1.49E-02	1.34E-01	1.76E-01
3.00E+00	1.75E-04	1.50E-02	1.12E-01	2.87E-01
4.00E+00	1.19E-04	1.50E-02	6.50E-02	3.51E-01
5.00E+00	1.14E-04	1.51E-02	3.32E-02	3.82E-01
6.00E+00	1.12E-04	1.51E-02	1.65E-02	3.96E-01
7.00E+00	1.10E-04	1.51E-02	8.45E-03	4.03E-01
8.00E+00	1.09E-04	1.52E-02	4.63E-03	4.05E-01
9.00E+00	1.07E-04	1.52E-02	2.83E-03	4.06E-01
1.00E+01	1.06E-04	1.52E-02	1.96E-03	4.06E-01
2.00E+01	9.28E-05	1.54E-02	9.74E-04	3.95E-01
3.00E+01	8.13E-05	1.54E-02	8.03E-04	3.83E-01
4.00E+01	7.13E-05	1.53E-02	6.62E-04	3.70E-01
5.00E+01	6.25E-05	1.52E-02	5.46E-04	3.57E-01
6.00E+01	5.48E-05	1.50E-02	4.51E-04	3.43E-01
7.00E+01	4.81E-05	1.47E-02	3.72E-04	3.29E-01
8.00E+01	4.23E-05	1.43E-02	3.07E-04	3.15E-01
9.00E+01	3.72E-05	1.40E-02	2.53E-04	3.01E-01
1.00E+02	3.28E-05	1.36E-02	2.09E-04	2.87E-01
2.00E+02	1.04E-05	9.32E-03	3.04E-05	1.74E-01
3.00E+02	4.33E-06	5.94E-03	4.44E-06	1.03E-01
4.00E+02	2.17E-06	3.70E-03	6.47E-07	5.99E-02
5.00E+02	1.19E-06	2.28E-03	9.44E-08	3.50E-02
6.00E+02	6.71E-07	1.40E-03	1.38E-08	2.04E-02
7.00E+02	3.82E-07	8.54E-04	0.00E+00	1.19E-02
8.00E+02	2.18E-07	5.20E-04	0.00E+00	6.95E-03
9.00E+02	1.25E-07	3.16E-04	0.00E+00	4.05E-03
1.00E+03	7.14E-08	1.92E-04	0.00E+00	2.36E-03

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	6.54E-02	2.76E-01	2.35E-01	5.72E-02	6.34E-01
2.00E-01	6.02E-02	2.65E-01	1.97E-01	1.05E-01	6.28E-01
3.00E-01	5.61E-02	2.56E-01	1.66E-01	1.46E-01	6.23E-01
4.00E-01	5.27E-02	2.47E-01	1.39E-01	1.79E-01	6.18E-01
5.00E-01	5.01E-02	2.40E-01	1.17E-01	2.06E-01	6.13E-01
6.00E-01	4.80E-02	2.33E-01	9.86E-02	2.27E-01	6.06E-01
7.00E-01	4.63E-02	2.27E-01	8.29E-02	2.43E-01	5.99E-01
8.00E-01	4.50E-02	2.21E-01	6.97E-02	2.54E-01	5.90E-01
9.00E-01	4.39E-02	2.16E-01	5.86E-02	2.61E-01	5.80E-01
1.00E+00	4.31E-02	2.11E-01	4.93E-02	2.65E-01	5.68E-01
2.00E+00	4.03E-02	1.77E-01	8.72E-03	2.03E-01	4.30E-01
3.00E+00	4.02E-02	1.60E-01	1.54E-03	1.13E-01	3.15E-01
4.00E+00	4.03E-02	1.50E-01	2.72E-04	5.72E-02	2.48E-01
5.00E+00	4.05E-02	1.45E-01	4.82E-05	2.85E-02	2.14E-01
6.00E+00	4.07E-02	1.41E-01	8.51E-06	1.47E-02	1.96E-01
7.00E+00	4.09E-02	1.38E-01	1.51E-06	8.14E-03	1.87E-01
8.00E+00	4.11E-02	1.36E-01	2.66E-07	5.04E-03	1.82E-01
9.00E+00	4.13E-02	1.34E-01	4.70E-08	3.55E-03	1.79E-01
1.00E+01	4.15E-02	1.32E-01	0.00E+00	2.82E-03	1.76E-01
2.00E+01	4.35E-02	1.16E-01	0.00E+00	1.87E-03	1.62E-01
3.00E+01	4.54E-02	1.02E-01	0.00E+00	1.63E-03	1.49E-01
4.00E+01	4.72E-02	9.01E-02	0.00E+00	1.42E-03	1.39E-01
5.00E+01	4.89E-02	7.93E-02	0.00E+00	1.23E-03	1.29E-01
6.00E+01	5.03E-02	6.98E-02	0.00E+00	1.07E-03	1.21E-01
7.00E+01	5.17E-02	6.14E-02	0.00E+00	9.36E-04	1.14E-01
8.00E+01	5.29E-02	5.40E-02	0.00E+00	8.15E-04	1.08E-01
9.00E+01	5.40E-02	4.75E-02	0.00E+00	7.09E-04	1.02E-01
1.00E+02	5.49E-02	4.18E-02	0.00E+00	6.17E-04	9.73E-02
2.00E+02	5.98E-02	1.15E-02	0.00E+00	1.54E-04	7.15E-02
3.00E+02	6.06E-02	3.15E-03	0.00E+00	3.86E-05	6.38E-02
4.00E+02	6.00E-02	8.55E-04	0.00E+00	9.65E-06	6.09E-02
5.00E+02	5.90E-02	2.31E-04	0.00E+00	2.41E-06	5.92E-02
6.00E+02	5.79E-02	6.19E-05	0.00E+00	6.03E-07	5.79E-02
7.00E+02	5.68E-02	1.65E-05	0.00E+00	1.51E-07	5.68E-02
8.00E+02	5.57E-02	4.40E-06	0.00E+00	3.77E-08	5.57E-02
9.00E+02	5.46E-02	1.16E-06	0.00E+00	0.00E+00	5.46E-02
1.00E+03	5.35E-02	3.08E-07	0.00E+00	0.00E+00	5.35E-02
2.00E+03	4.39E-02	0.00E+00	0.00E+00	0.00E+00	4.39E-02
4.00E+03	2.95E-02	0.00E+00	0.00E+00	0.00E+00	2.95E-02
5.00E+03	2.42E-02	0.00E+00	0.00E+00	0.00E+00	2.42E-02
7.00E+03	1.63E-02	0.00E+00	0.00E+00	0.00E+00	1.63E-02
8.00E+03	1.34E-02	0.00E+00	0.00E+00	0.00E+00	1.34E-02
1.00E+04	9.00E-03	0.00E+00	0.00E+00	0.00E+00	9.00E-03
2.00E+04	1.24E-03	0.00E+00	0.00E+00	0.00E+00	1.24E-03

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		5.58E-03		8.10E-06
2.00E-01		1.09E-02		1.64E-04
3.00E-01		1.51E-02		8.29E-04
4.00E-01		1.85E-02		2.42E-03
5.00E-01		2.12E-02		5.28E-03
6.00E-01		2.34E-02		9.61E-03
7.00E-01		2.51E-02		1.55E-02
8.00E-01		2.65E-02		2.30E-02
9.00E-01		2.76E-02		3.19E-02
1.00E+00	2.85E-02	2.85E-02	4.21E-02	4.21E-02
2.00E+00	3.36E-03	3.18E-02	1.35E-01	1.77E-01
3.00E+00	6.38E-04	3.25E-02	1.14E-01	2.92E-01
4.00E+00	3.46E-04	3.28E-02	6.65E-02	3.58E-01
5.00E+00	3.09E-04	3.31E-02	3.42E-02	3.92E-01
6.00E+00	2.99E-04	3.34E-02	1.71E-02	4.09E-01
7.00E+00	2.93E-04	3.37E-02	8.78E-03	4.18E-01
8.00E+00	2.87E-04	3.40E-02	4.84E-03	4.23E-01
9.00E+00	2.81E-04	3.43E-02	2.97E-03	4.26E-01
1.00E+01	2.76E-04	3.46E-02	2.07E-03	4.28E-01
2.00E+01	2.34E-04	3.71E-02	1.09E-03	4.40E-01
3.00E+01	2.04E-04	3.93E-02	9.44E-04	4.51E-01
4.00E+01	1.82E-04	4.12E-02	8.22E-04	4.59E-01
5.00E+01	1.63E-04	4.29E-02	7.15E-04	4.67E-01
6.00E+01	1.48E-04	4.44E-02	6.23E-04	4.74E-01
7.00E+01	1.34E-04	4.58E-02	5.42E-04	4.79E-01
8.00E+01	1.22E-04	4.71E-02	4.72E-04	4.84E-01
9.00E+01	1.11E-04	4.82E-02	4.11E-04	4.89E-01
1.00E+02	1.01E-04	4.93E-02	3.58E-04	4.93E-01
2.00E+02	4.14E-05	5.59E-02	8.94E-05	5.12E-01
3.00E+02	2.12E-05	5.88E-02	2.24E-05	5.17E-01
4.00E+02	1.46E-05	6.05E-02	5.59E-06	5.18E-01
5.00E+02	1.25E-05	6.19E-02	1.40E-06	5.18E-01
6.00E+02	1.17E-05	6.31E-02	3.49E-07	5.18E-01
7.00E+02	1.13E-05	6.42E-02	8.73E-08	5.18E-01
8.00E+02	1.10E-05	6.53E-02	2.18E-08	5.18E-01
9.00E+02	1.08E-05	6.64E-02	0.00E+00	5.18E-01
1.00E+03	1.06E-05	6.75E-02	0.00E+00	5.18E-01
2.00E+03	8.69E-06	7.71E-02	0.00E+00	5.18E-01
4.00E+03	5.85E-06	9.14E-02	0.00E+00	5.18E-01
8.00E+03	2.65E-06	1.08E-01	0.00E+00	5.18E-01
1.00E+04	1.78E-06	1.12E-01	0.00E+00	5.18E-01
2.00E+04	2.46E-07	1.20E-01	0.00E+00	5.18E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	6.63E-02	2.76E-01	2.35E-01	5.72E-02	6.34E-01
2.00E-01	6.20E-02	2.65E-01	1.97E-01	1.05E-01	6.30E-01
3.00E-01	5.85E-02	2.56E-01	1.66E-01	1.46E-01	6.26E-01
4.00E-01	5.57E-02	2.47E-01	1.39E-01	1.79E-01	6.21E-01
5.00E-01	5.35E-02	2.40E-01	1.17E-01	2.06E-01	6.16E-01
6.00E-01	5.17E-02	2.33E-01	9.86E-02	2.27E-01	6.10E-01
7.00E-01	5.03E-02	2.27E-01	8.29E-02	2.43E-01	6.02E-01
8.00E-01	4.92E-02	2.21E-01	6.97E-02	2.54E-01	5.94E-01
9.00E-01	4.83E-02	2.16E-01	5.86E-02	2.61E-01	5.84E-01
1.00E+00	4.76E-02	2.11E-01	4.93E-02	2.65E-01	5.73E-01
2.00E+00	4.54E-02	1.77E-01	8.72E-03	2.03E-01	4.35E-01
3.00E+00	4.54E-02	1.60E-01	1.54E-03	1.13E-01	3.20E-01
4.00E+00	4.57E-02	1.50E-01	2.72E-04	5.72E-02	2.53E-01
5.00E+00	4.60E-02	1.45E-01	4.82E-05	2.85E-02	2.19E-01
6.00E+00	4.62E-02	1.41E-01	8.51E-06	1.47E-02	2.02E-01
7.00E+00	4.65E-02	1.38E-01	1.51E-06	8.14E-03	1.93E-01
8.00E+00	4.68E-02	1.36E-01	2.66E-07	5.04E-03	1.88E-01
9.00E+00	4.71E-02	1.34E-01	4.70E-08	3.55E-03	1.85E-01
1.00E+01	4.73E-02	1.32E-01	0.00E+00	2.82E-03	1.82E-01
2.00E+01	5.00E-02	1.16E-01	0.00E+00	1.87E-03	1.68E-01
3.00E+01	5.23E-02	1.02E-01	0.00E+00	1.63E-03	1.56E-01
4.00E+01	5.45E-02	9.01E-02	0.00E+00	1.42E-03	1.46E-01
5.00E+01	5.65E-02	7.93E-02	0.00E+00	1.23E-03	1.37E-01
6.00E+01	5.82E-02	6.98E-02	0.00E+00	1.07E-03	1.29E-01
7.00E+01	5.98E-02	6.14E-02	0.00E+00	9.36E-04	1.22E-01
8.00E+01	6.12E-02	5.40E-02	0.00E+00	8.15E-04	1.16E-01
9.00E+01	6.24E-02	4.75E-02	0.00E+00	7.09E-04	1.11E-01
1.00E+02	6.36E-02	4.18E-02	0.00E+00	6.17E-04	1.06E-01
2.00E+02	6.93E-02	1.15E-02	0.00E+00	1.54E-04	8.10E-02
3.00E+02	7.02E-02	3.15E-03	0.00E+00	3.86E-05	7.34E-02
4.00E+02	6.95E-02	8.55E-04	0.00E+00	9.65E-06	7.04E-02
5.00E+02	6.84E-02	2.31E-04	0.00E+00	2.41E-06	6.86E-02
6.00E+02	6.71E-02	6.19E-05	0.00E+00	6.03E-07	6.71E-02
7.00E+02	6.58E-02	1.65E-05	0.00E+00	1.51E-07	6.58E-02
8.00E+02	6.45E-02	4.40E-06	0.00E+00	3.77E-08	6.45E-02
9.00E+02	6.32E-02	1.16E-06	0.00E+00	0.00E+00	6.32E-02
1.00E+03	6.20E-02	3.08E-07	0.00E+00	0.00E+00	6.20E-02
2.00E+03	5.09E-02	0.00E+00	0.00E+00	0.00E+00	5.09E-02
4.00E+03	3.42E-02	0.00E+00	0.00E+00	0.00E+00	3.42E-02
5.00E+03	2.81E-02	0.00E+00	0.00E+00	0.00E+00	2.81E-02
7.00E+03	1.89E-02	0.00E+00	0.00E+00	0.00E+00	1.89E-02
8.00E+03	1.55E-02	0.00E+00	0.00E+00	0.00E+00	1.55E-02
1.00E+04	1.04E-02	0.00E+00	0.00E+00	0.00E+00	1.04E-02
2.00E+04	1.44E-03	0.00E+00	0.00E+00	0.00E+00	1.44E-03

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		4.69E-03		8.10E-06
2.00E-01		9.16E-03		1.64E-04
3.00E-01		1.27E-02		8.29E-04
4.00E-01		1.56E-02		2.42E-03
5.00E-01		1.78E-02		5.28E-03
6.00E-01		1.97E-02		9.61E-03
7.00E-01		2.11E-02		1.55E-02
8.00E-01		2.23E-02		2.30E-02
9.00E-01		2.32E-02		3.19E-02
1.00E+00	2.39E-02	2.39E-02	4.21E-02	4.21E-02
2.00E+00	2.78E-03	2.67E-02	1.35E-01	1.77E-01
3.00E+00	4.90E-04	2.72E-02	1.14E-01	2.92E-01
4.00E+00	2.47E-04	2.75E-02	6.65E-02	3.58E-01
5.00E+00	2.19E-04	2.77E-02	3.42E-02	3.92E-01
6.00E+00	2.13E-04	2.79E-02	1.71E-02	4.09E-01
7.00E+00	2.10E-04	2.81E-02	8.78E-03	4.18E-01
8.00E+00	2.07E-04	2.83E-02	4.84E-03	4.23E-01
9.00E+00	2.04E-04	2.85E-02	2.97E-03	4.26E-01
1.00E+01	2.02E-04	2.87E-02	2.07E-03	4.28E-01
2.00E+01	1.80E-04	3.06E-02	1.09E-03	4.40E-01
3.00E+01	1.63E-04	3.23E-02	9.44E-04	4.51E-01
4.00E+01	1.48E-04	3.39E-02	8.22E-04	4.59E-01
5.00E+01	1.35E-04	3.53E-02	7.15E-04	4.67E-01
6.00E+01	1.23E-04	3.66E-02	6.23E-04	4.74E-01
7.00E+01	1.12E-04	3.77E-02	5.42E-04	4.79E-01
8.00E+01	1.02E-04	3.88E-02	4.72E-04	4.84E-01
9.00E+01	9.35E-05	3.98E-02	4.11E-04	4.89E-01
1.00E+02	8.55E-05	4.06E-02	3.58E-04	4.93E-01
2.00E+02	3.77E-05	4.64E-02	8.94E-05	5.12E-01
3.00E+02	2.13E-05	4.92E-02	2.24E-05	5.17E-01
4.00E+02	1.60E-05	5.10E-02	5.59E-06	5.18E-01
5.00E+02	1.42E-05	5.25E-02	1.40E-06	5.18E-01
6.00E+02	1.35E-05	5.39E-02	3.49E-07	5.18E-01
7.00E+02	1.31E-05	5.52E-02	8.73E-08	5.18E-01
8.00E+02	1.28E-05	5.65E-02	2.18E-08	5.18E-01
9.00E+02	1.25E-05	5.77E-02	0.00E+00	5.18E-01
1.00E+03	1.23E-05	5.90E-02	0.00E+00	5.18E-01
2.00E+03	1.01E-05	7.01E-02	0.00E+00	5.18E-01
4.00E+03	6.78E-06	8.68E-02	0.00E+00	5.18E-01
8.00E+03	3.07E-06	1.05E-01	0.00E+00	5.18E-01
1.00E+04	2.07E-06	1.11E-01	0.00E+00	5.18E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	7.07E-02	2.76E-01	2.35E-01	5.71E-02	6.39E-01
2.00E-01	7.05E-02	2.65E-01	1.97E-01	1.05E-01	6.38E-01
3.00E-01	7.03E-02	2.56E-01	1.66E-01	1.45E-01	6.37E-01
4.00E-01	7.01E-02	2.47E-01	1.39E-01	1.79E-01	6.35E-01
5.00E-01	6.99E-02	2.40E-01	1.17E-01	2.05E-01	6.32E-01
6.00E-01	6.96E-02	2.33E-01	9.86E-02	2.26E-01	6.28E-01
7.00E-01	6.94E-02	2.27E-01	8.29E-02	2.42E-01	6.21E-01
8.00E-01	6.92E-02	2.21E-01	6.97E-02	2.54E-01	6.13E-01
9.00E-01	6.90E-02	2.16E-01	5.86E-02	2.61E-01	6.04E-01
1.00E+00	6.87E-02	2.11E-01	4.93E-02	2.65E-01	5.94E-01
2.00E+00	6.63E-02	1.77E-01	8.72E-03	2.03E-01	4.55E-01
3.00E+00	6.41E-02	1.60E-01	1.54E-03	1.13E-01	3.39E-01
4.00E+00	6.20E-02	1.50E-01	2.72E-04	5.71E-02	2.70E-01
5.00E+00	6.01E-02	1.45E-01	4.82E-05	2.84E-02	2.33E-01
6.00E+00	5.84E-02	1.41E-01	8.51E-06	1.46E-02	2.14E-01
7.00E+00	5.69E-02	1.38E-01	1.51E-06	8.12E-03	2.03E-01
8.00E+00	5.56E-02	1.36E-01	2.66E-07	5.03E-03	1.96E-01
9.00E+00	5.44E-02	1.34E-01	4.70E-08	3.54E-03	1.92E-01
1.00E+01	5.33E-02	1.32E-01	0.00E+00	2.81E-03	1.88E-01
2.00E+01	4.76E-02	1.16E-01	0.00E+00	1.87E-03	1.66E-01
3.00E+01	4.65E-02	1.02E-01	0.00E+00	1.63E-03	1.50E-01
4.00E+01	4.71E-02	9.01E-02	0.00E+00	1.42E-03	1.39E-01
5.00E+01	4.81E-02	7.93E-02	0.00E+00	1.23E-03	1.29E-01
6.00E+01	4.93E-02	6.98E-02	0.00E+00	1.07E-03	1.20E-01
7.00E+01	5.04E-02	6.14E-02	0.00E+00	9.34E-04	1.13E-01
8.00E+01	5.14E-02	5.40E-02	0.00E+00	8.13E-04	1.06E-01
9.00E+01	5.24E-02	4.75E-02	0.00E+00	7.08E-04	1.01E-01
1.00E+02	5.32E-02	4.18E-02	0.00E+00	6.16E-04	9.56E-02
2.00E+02	5.78E-02	1.15E-02	0.00E+00	1.54E-04	6.95E-02
3.00E+02	5.89E-02	3.15E-03	0.00E+00	3.85E-05	6.21E-02
4.00E+02	5.88E-02	8.55E-04	0.00E+00	9.63E-06	5.97E-02
5.00E+02	5.85E-02	2.31E-04	0.00E+00	2.41E-06	5.87E-02
6.00E+02	5.80E-02	6.19E-05	0.00E+00	6.02E-07	5.81E-02
7.00E+02	5.75E-02	1.65E-05	0.00E+00	1.50E-07	5.75E-02
8.00E+02	5.70E-02	4.40E-06	0.00E+00	3.76E-08	5.70E-02
9.00E+02	5.65E-02	1.16E-06	0.00E+00	0.00E+00	5.65E-02
1.00E+03	5.61E-02	3.08E-07	0.00E+00	0.00E+00	5.61E-02
2.00E+03	5.14E-02	0.00E+00	0.00E+00	0.00E+00	5.14E-02
4.00E+03	4.32E-02	0.00E+00	0.00E+00	0.00E+00	4.32E-02
5.00E+03	3.96E-02	0.00E+00	0.00E+00	0.00E+00	3.96E-02
7.00E+03	3.33E-02	0.00E+00	0.00E+00	0.00E+00	3.33E-02
8.00E+03	3.06E-02	0.00E+00	0.00E+00	0.00E+00	3.06E-02
1.00E+04	2.57E-02	0.00E+00	0.00E+00	0.00E+00	2.57E-02
2.00E+04	1.08E-02	0.00E+00	0.00E+00	0.00E+00	1.08E-02

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		3.00E-04		8.10E-06
2.00E-01		6.47E-04		1.64E-04
3.00E-01		9.92E-04		8.28E-04
4.00E-01		1.33E-03		2.42E-03
5.00E-01		1.67E-03		5.27E-03
6.00E-01		2.01E-03		9.61E-03
7.00E-01		2.34E-03		1.55E-02
8.00E-01		2.67E-03		2.30E-02
9.00E-01		3.00E-03		3.19E-02
1.00E+00	3.33E-03	3.33E-03	4.21E-02	4.21E-02
2.00E+00	3.10E-03	6.43E-03	1.35E-01	1.77E-01
3.00E+00	2.84E-03	9.27E-03	1.14E-01	2.91E-01
4.00E+00	2.60E-03	1.19E-02	6.63E-02	3.58E-01
5.00E+00	2.38E-03	1.43E-02	3.41E-02	3.92E-01
6.00E+00	2.18E-03	1.64E-02	1.71E-02	4.09E-01
7.00E+00	2.00E-03	1.84E-02	8.76E-03	4.18E-01
8.00E+00	1.83E-03	2.03E-02	4.83E-03	4.22E-01
9.00E+00	1.68E-03	2.19E-02	2.96E-03	4.25E-01
1.00E+01	1.55E-03	2.35E-02	2.06E-03	4.27E-01
2.00E+01	7.19E-04	3.38E-02	1.08E-03	4.40E-01
3.00E+01	3.98E-04	3.89E-02	9.42E-04	4.50E-01
4.00E+01	2.67E-04	4.21E-02	8.20E-04	4.58E-01
5.00E+01	2.07E-04	4.44E-02	7.14E-04	4.66E-01
6.00E+01	1.75E-04	4.63E-02	6.22E-04	4.73E-01
7.00E+01	1.54E-04	4.79E-02	5.41E-04	4.78E-01
8.00E+01	1.38E-04	4.94E-02	4.71E-04	4.84E-01
9.00E+01	1.24E-04	5.07E-02	4.10E-04	4.88E-01
1.00E+02	1.12E-04	5.18E-02	3.57E-04	4.92E-01
2.00E+02	4.05E-05	5.88E-02	8.93E-05	5.11E-01
3.00E+02	1.62E-05	6.14E-02	2.23E-05	5.16E-01
4.00E+02	8.41E-06	6.26E-02	5.58E-06	5.17E-01
5.00E+02	6.03E-06	6.33E-02	1.39E-06	5.17E-01
6.00E+02	5.30E-06	6.38E-02	3.49E-07	5.17E-01
7.00E+02	5.06E-06	6.43E-02	8.72E-08	5.17E-01
8.00E+02	4.96E-06	6.48E-02	2.18E-08	5.17E-01
9.00E+02	4.90E-06	6.53E-02	0.00E+00	5.17E-01
1.00E+03	4.86E-06	6.58E-02	0.00E+00	5.17E-01
2.00E+03	4.45E-06	7.05E-02	0.00E+00	5.17E-01
4.00E+03	3.74E-06	7.86E-02	0.00E+00	5.17E-01
8.00E+03	2.65E-06	9.13E-02	0.00E+00	5.17E-01
1.00E+04	2.23E-06	9.62E-02	0.00E+00	5.17E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	7.06E-02	2.76E-01	2.34E-01	5.71E-02	6.38E-01
2.00E-01	7.03E-02	2.64E-01	1.97E-01	1.05E-01	6.36E-01
3.00E-01	7.00E-02	2.54E-01	1.65E-01	1.45E-01	6.34E-01
4.00E-01	6.96E-02	2.46E-01	1.39E-01	1.77E-01	6.31E-01
5.00E-01	6.93E-02	2.38E-01	1.16E-01	2.04E-01	6.27E-01
6.00E-01	6.90E-02	2.31E-01	9.77E-02	2.24E-01	6.21E-01
7.00E-01	6.86E-02	2.24E-01	8.20E-02	2.40E-01	6.14E-01
8.00E-01	6.83E-02	2.18E-01	6.88E-02	2.50E-01	6.06E-01
9.00E-01	6.80E-02	2.12E-01	5.78E-02	2.57E-01	5.95E-01
1.00E+00	6.76E-02	2.07E-01	4.85E-02	2.61E-01	5.84E-01
2.00E+00	6.42E-02	1.72E-01	8.44E-03	1.97E-01	4.41E-01
3.00E+00	6.10E-02	1.52E-01	1.47E-03	1.08E-01	3.22E-01
4.00E+00	5.81E-02	1.41E-01	2.55E-04	5.35E-02	2.53E-01
5.00E+00	5.54E-02	1.33E-01	4.44E-05	2.62E-02	2.15E-01
6.00E+00	5.30E-02	1.28E-01	7.72E-06	1.33E-02	1.94E-01
7.00E+00	5.08E-02	1.23E-01	1.34E-06	7.24E-03	1.81E-01
8.00E+00	4.88E-02	1.19E-01	2.33E-07	4.41E-03	1.72E-01
9.00E+00	4.69E-02	1.16E-01	4.06E-08	3.06E-03	1.66E-01
1.00E+01	4.53E-02	1.12E-01	0.00E+00	2.39E-03	1.60E-01
2.00E+01	3.43E-02	8.38E-02	0.00E+00	1.35E-03	1.19E-01
3.00E+01	2.85E-02	6.26E-02	0.00E+00	9.96E-04	9.21E-02
4.00E+01	2.45E-02	4.68E-02	0.00E+00	7.36E-04	7.20E-02
5.00E+01	2.12E-02	3.50E-02	0.00E+00	5.44E-04	5.68E-02
6.00E+01	1.85E-02	2.62E-02	0.00E+00	4.02E-04	4.50E-02
7.00E+01	1.60E-02	1.95E-02	0.00E+00	2.97E-04	3.59E-02
8.00E+01	1.39E-02	1.46E-02	0.00E+00	2.20E-04	2.87E-02
9.00E+01	1.20E-02	1.09E-02	0.00E+00	1.63E-04	2.31E-02
1.00E+02	1.04E-02	8.15E-03	0.00E+00	1.20E-04	1.86E-02
2.00E+02	2.20E-03	4.38E-04	0.00E+00	5.86E-06	2.64E-03
3.00E+02	4.36E-04	2.34E-05	0.00E+00	2.86E-07	4.60E-04
4.00E+02	8.51E-05	1.24E-06	0.00E+00	1.39E-08	8.63E-05
5.00E+02	1.65E-05	6.50E-08	0.00E+00	0.00E+00	1.66E-05
6.00E+02	3.19E-06	0.00E+00	0.00E+00	0.00E+00	3.19E-06
7.00E+02	6.17E-07	0.00E+00	0.00E+00	0.00E+00	6.17E-07
8.00E+02	1.19E-07	0.00E+00	0.00E+00	0.00E+00	1.19E-07
9.00E+02	2.30E-08	0.00E+00	0.00E+00	0.00E+00	2.30E-08

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		2.99E-04		8.09E-06
2.00E-01		6.45E-04		1.63E-04
3.00E-01		9.87E-04		8.24E-04
4.00E-01		1.33E-03		2.40E-03
5.00E-01		1.66E-03		5.23E-03
6.00E-01		1.99E-03		9.51E-03
7.00E-01		2.32E-03		1.53E-02
8.00E-01		2.64E-03		2.27E-02
9.00E-01		2.96E-03		3.14E-02
1.00E+00	3.27E-03	3.27E-03	4.14E-02	4.14E-02
2.00E+00	3.00E-03	6.23E-03	1.31E-01	1.72E-01
3.00E+00	2.70E-03	8.83E-03	1.09E-01	2.77E-01
4.00E+00	2.43E-03	1.11E-02	6.21E-02	3.35E-01
5.00E+00	2.19E-03	1.31E-02	3.14E-02	3.61E-01
6.00E+00	1.97E-03	1.49E-02	1.55E-02	3.71E-01
7.00E+00	1.78E-03	1.64E-02	7.81E-03	3.72E-01
8.00E+00	1.61E-03	1.78E-02	4.24E-03	3.71E-01
9.00E+00	1.45E-03	1.89E-02	2.56E-03	3.67E-01
1.00E+01	1.31E-03	1.99E-02	1.75E-03	3.63E-01
2.00E+01	5.18E-04	2.43E-02	7.81E-04	3.17E-01
3.00E+01	2.44E-04	2.38E-02	5.77E-04	2.75E-01
4.00E+01	1.39E-04	2.19E-02	4.27E-04	2.38E-01
5.00E+01	9.16E-05	1.96E-02	3.15E-04	2.06E-01
6.00E+01	6.56E-05	1.74E-02	2.33E-04	1.77E-01
7.00E+01	4.90E-05	1.53E-02	1.72E-04	1.52E-01
8.00E+01	3.72E-05	1.33E-02	1.27E-04	1.31E-01
9.00E+01	2.84E-05	1.16E-02	9.42E-05	1.12E-01
1.00E+02	2.18E-05	1.01E-02	6.96E-05	9.59E-02
2.00E+02	1.54E-06	2.24E-03	3.39E-06	1.94E-02
3.00E+02	1.20E-07	4.55E-04	1.65E-07	3.82E-03
4.00E+02	1.22E-08	9.04E-05	0.00E+00	7.47E-04

CLASS W

AMAD = 1 MICRON

STABLE

TANTALUM 181

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	7.06E-02	2.76E-01	2.35E-01	5.72E-02	6.39E-01
2.00E-01	7.03E-02	2.65E-01	1.97E-01	1.05E-01	6.38E-01
3.00E-01	6.99E-02	2.56E-01	1.66E-01	1.45E-01	6.37E-01
4.00E-01	6.96E-02	2.47E-01	1.39E-01	1.79E-01	6.35E-01
5.00E-01	6.92E-02	2.40E-01	1.17E-01	2.06E-01	6.32E-01
6.00E-01	6.89E-02	2.33E-01	9.86E-02	2.27E-01	6.27E-01
7.00E-01	6.85E-02	2.27E-01	8.29E-02	2.43E-01	6.21E-01
8.00E-01	6.82E-02	2.21E-01	6.97E-02	2.54E-01	6.13E-01
9.00E-01	6.79E-02	2.16E-01	5.86E-02	2.61E-01	6.03E-01
1.00E+00	6.75E-02	2.11E-01	4.93E-02	2.65E-01	5.93E-01
2.00E+00	6.44E-02	1.77E-01	8.72E-03	2.03E-01	4.54E-01
3.00E+00	6.18E-02	1.60E-01	1.54E-03	1.13E-01	3.36E-01
4.00E+00	5.95E-02	1.50E-01	2.72E-04	5.72E-02	2.67E-01
5.00E+00	5.76E-02	1.45E-01	4.82E-05	2.85E-02	2.31E-01
6.00E+00	5.60E-02	1.41E-01	8.51E-06	1.47E-02	2.11E-01
7.00E+00	5.46E-02	1.38E-01	1.51E-06	8.13E-03	2.01E-01
8.00E+00	5.35E-02	1.36E-01	2.66E-07	5.03E-03	1.94E-01
9.00E+00	5.25E-02	1.34E-01	4.70E-08	3.54E-03	1.90E-01
1.00E+01	5.17E-02	1.32E-01	0.00E+00	2.81E-03	1.87E-01
2.00E+01	4.78E-02	1.16E-01	0.00E+00	1.87E-03	1.66E-01
3.00E+01	4.66E-02	1.02E-01	0.00E+00	1.63E-03	1.51E-01
4.00E+01	4.57E-02	9.01E-02	0.00E+00	1.42E-03	1.37E-01
5.00E+01	4.47E-02	7.93E-02	0.00E+00	1.23E-03	1.25E-01
6.00E+01	4.36E-02	6.98E-02	0.00E+00	1.07E-03	1.14E-01
7.00E+01	4.24E-02	6.14E-02	0.00E+00	9.35E-04	1.05E-01
8.00E+01	4.11E-02	5.40E-02	0.00E+00	8.14E-04	9.59E-02
9.00E+01	3.97E-02	4.75E-02	0.00E+00	7.09E-04	8.79E-02
1.00E+02	3.83E-02	4.18E-02	0.00E+00	6.17E-04	8.07E-02
2.00E+02	2.41E-02	1.15E-02	0.00E+00	1.54E-04	3.58E-02
3.00E+02	1.37E-02	3.15E-03	0.00E+00	3.86E-05	1.69E-02
4.00E+02	7.32E-03	8.55E-04	0.00E+00	9.64E-06	8.18E-03
5.00E+02	3.80E-03	2.31E-04	0.00E+00	2.41E-06	4.04E-03
6.00E+02	1.94E-03	6.19E-05	0.00E+00	6.03E-07	2.00E-03
7.00E+02	9.83E-04	1.65E-05	0.00E+00	1.51E-07	1.00E-03
8.00E+02	4.95E-04	4.40E-06	0.00E+00	3.77E-08	4.99E-04
9.00E+02	2.48E-04	1.16E-06	0.00E+00	0.00E+00	2.49E-04
1.00E+03	1.24E-04	3.08E-07	0.00E+00	0.00E+00	1.25E-04
2.00E+03	1.22E-07	0.00E+00	0.00E+00	0.00E+00	1.22E-07

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		3.93E-04		8.10E-06
2.00E-01		8.46E-04		1.64E-04
3.00E-01		1.29E-03		8.29E-04
4.00E-01		1.73E-03		2.42E-03
5.00E-01		2.17E-03		5.28E-03
6.00E-01		2.59E-03		9.61E-03
7.00E-01		3.01E-03		1.55E-02
8.00E-01		3.43E-03		2.30E-02
9.00E-01		3.84E-03		3.19E-02
1.00E+00	4.24E-03	4.24E-03	4.21E-02	4.21E-02
2.00E+00	3.71E-03	7.95E-03	1.35E-01	1.77E-01
3.00E+00	3.20E-03	1.12E-02	1.14E-01	2.92E-01
4.00E+00	2.78E-03	1.39E-02	6.64E-02	3.58E-01
5.00E+00	2.41E-03	1.63E-02	3.41E-02	3.92E-01
6.00E+00	2.11E-03	1.85E-02	1.71E-02	4.09E-01
7.00E+00	1.85E-03	2.03E-02	8.77E-03	4.18E-01
8.00E+00	1.64E-03	2.19E-02	4.83E-03	4.23E-01
9.00E+00	1.45E-03	2.34E-02	2.96E-03	4.26E-01
1.00E+01	1.30E-03	2.47E-02	2.07E-03	4.28E-01
2.00E+01	6.22E-04	3.31E-02	1.08E-03	4.40E-01
3.00E+01	4.87E-04	3.84E-02	9.43E-04	4.50E-01
4.00E+01	4.48E-04	4.30E-02	8.21E-04	4.59E-01
5.00E+01	4.25E-04	4.74E-02	7.15E-04	4.67E-01
6.00E+01	4.06E-04	5.15E-02	6.22E-04	4.73E-01
7.00E+01	3.88E-04	5.55E-02	5.42E-04	4.79E-01
8.00E+01	3.69E-04	5.92E-02	4.72E-04	4.84E-01
9.00E+01	3.52E-04	6.28E-02	4.11E-04	4.88E-01
1.00E+02	3.34E-04	6.63E-02	3.57E-04	4.92E-01
2.00E+02	1.90E-04	9.19E-02	8.94E-05	5.11E-01
3.00E+02	1.02E-04	1.06E-01	2.23E-05	5.16E-01
4.00E+02	5.30E-05	1.14E-01	5.59E-06	5.17E-01
5.00E+02	2.70E-05	1.17E-01	1.40E-06	5.18E-01
6.00E+02	1.37E-05	1.19E-01	3.49E-07	5.18E-01
7.00E+02	6.88E-06	1.20E-01	8.73E-08	5.18E-01
8.00E+02	3.45E-06	1.21E-01	2.18E-08	5.18E-01
9.00E+02	1.73E-06	1.21E-01	0.00E+00	5.18E-01
1.00E+03	8.66E-07	1.21E-01	0.00E+00	5.18E-01

CLASS W

AMAD = 1 MICRON

HALFLIFE= 1.15E+02

TANTALUM 182

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	7.06E-02	2.76E-01	2.34E-01	5.71E-02	6.38E-01
2.00E-01	7.02E-02	2.65E-01	1.97E-01	1.05E-01	6.37E-01
3.00E-01	6.98E-02	2.55E-01	1.66E-01	1.45E-01	6.36E-01
4.00E-01	6.94E-02	2.47E-01	1.39E-01	1.78E-01	6.33E-01
5.00E-01	6.90E-02	2.39E-01	1.17E-01	2.05E-01	6.30E-01
6.00E-01	6.86E-02	2.32E-01	9.83E-02	2.26E-01	6.25E-01
7.00E-01	6.83E-02	2.26E-01	8.26E-02	2.42E-01	6.18E-01
8.00E-01	6.79E-02	2.20E-01	6.94E-02	2.53E-01	6.10E-01
9.00E-01	6.75E-02	2.14E-01	5.83E-02	2.60E-01	6.00E-01
1.00E+00	6.71E-02	2.09E-01	4.90E-02	2.64E-01	5.89E-01
2.00E+00	6.37E-02	1.75E-01	8.61E-03	2.01E-01	4.48E-01
3.00E+00	6.07E-02	1.57E-01	1.51E-03	1.11E-01	3.30E-01
4.00E+00	5.81E-02	1.47E-01	2.66E-04	5.58E-02	2.61E-01
5.00E+00	5.59E-02	1.40E-01	4.67E-05	2.76E-02	2.24E-01
6.00E+00	5.40E-02	1.36E-01	8.21E-06	1.41E-02	2.04E-01
7.00E+00	5.24E-02	1.32E-01	1.44E-06	7.79E-03	1.93E-01
8.00E+00	5.10E-02	1.29E-01	2.54E-07	4.80E-03	1.85E-01
9.00E+00	4.97E-02	1.27E-01	4.45E-08	3.36E-03	1.80E-01
1.00E+01	4.87E-02	1.24E-01	0.00E+00	2.65E-03	1.76E-01
2.00E+01	4.24E-02	1.03E-01	0.00E+00	1.66E-03	1.47E-01
3.00E+01	3.89E-02	8.54E-02	0.00E+00	1.36E-03	1.26E-01
4.00E+01	3.59E-02	7.08E-02	0.00E+00	1.11E-03	1.08E-01
5.00E+01	3.31E-02	5.86E-02	0.00E+00	9.13E-04	9.26E-02
6.00E+01	3.04E-02	4.86E-02	0.00E+00	7.48E-04	7.97E-02
7.00E+01	2.78E-02	4.03E-02	0.00E+00	6.13E-04	6.87E-02
8.00E+01	2.54E-02	3.33E-02	0.00E+00	5.03E-04	5.92E-02
9.00E+01	2.31E-02	2.76E-02	0.00E+00	4.12E-04	5.11E-02
1.00E+02	2.10E-02	2.29E-02	0.00E+00	3.38E-04	4.42E-02
2.00E+02	7.23E-03	3.45E-03	0.00E+00	4.62E-05	1.07E-02
3.00E+02	2.24E-03	5.17E-04	0.00E+00	6.32E-06	2.76E-03
4.00E+02	6.57E-04	7.68E-05	0.00E+00	8.65E-07	7.34E-04
5.00E+02	1.87E-04	1.13E-05	0.00E+00	1.18E-07	1.98E-04
6.00E+02	5.22E-05	1.66E-06	0.00E+00	1.62E-08	5.39E-05
7.00E+02	1.45E-05	2.43E-07	0.00E+00	0.00E+00	1.47E-05
8.00E+02	3.98E-06	3.54E-08	0.00E+00	0.00E+00	4.02E-06
9.00E+02	1.09E-06	0.00E+00	0.00E+00	0.00E+00	1.09E-06
1.00E+03	3.00E-07	0.00E+00	0.00E+00	0.00E+00	3.00E-07

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		3.93E-04		8.10E-06
2.00E-01		8.45E-04		1.64E-04
3.00E-01		1.29E-03		8.27E-04
4.00E-01		1.73E-03		2.41E-03
5.00E-01		2.16E-03		5.26E-03
6.00E-01		2.58E-03		9.58E-03
7.00E-01		3.00E-03		1.54E-02
8.00E-01		3.41E-03		2.29E-02
9.00E-01		3.82E-03		3.17E-02
1.00E+00	4.21E-03	4.21E-03	4.19E-02	4.19E-02
2.00E+00	3.67E-03	7.86E-03	1.34E-01	1.75E-01
3.00E+00	3.15E-03	1.10E-02	1.12E-01	2.86E-01
4.00E+00	2.71E-03	1.36E-02	6.48E-02	3.49E-01
5.00E+00	2.34E-03	1.59E-02	3.31E-02	3.80E-01
6.00E+00	2.03E-03	1.78E-02	1.65E-02	3.95E-01
7.00E+00	1.78E-03	1.95E-02	8.41E-03	4.01E-01
8.00E+00	1.56E-03	2.09E-02	4.60E-03	4.03E-01
9.00E+00	1.38E-03	2.22E-02	2.81E-03	4.03E-01
1.00E+01	1.22E-03	2.32E-02	1.95E-03	4.03E-01
2.00E+01	5.51E-04	2.93E-02	9.61E-04	3.90E-01
3.00E+01	4.06E-04	3.20E-02	7.87E-04	3.76E-01
4.00E+01	3.52E-04	3.38E-02	6.45E-04	3.61E-01
5.00E+01	3.15E-04	3.50E-02	5.29E-04	3.45E-01
6.00E+01	2.83E-04	3.59E-02	4.33E-04	3.30E-01
7.00E+01	2.54E-04	3.64E-02	3.55E-04	3.14E-01
8.00E+01	2.28E-04	3.66E-02	2.91E-04	2.99E-01
9.00E+01	2.04E-04	3.65E-02	2.39E-04	2.84E-01
1.00E+02	1.83E-04	3.63E-02	1.96E-04	2.69E-01
2.00E+02	5.70E-05	2.75E-02	2.68E-05	1.53E-01
3.00E+02	1.67E-05	1.74E-02	3.66E-06	8.46E-02
4.00E+02	4.75E-06	1.02E-02	5.01E-07	4.64E-02
5.00E+02	1.33E-06	5.77E-03	6.86E-08	2.54E-02
6.00E+02	3.68E-07	3.21E-03	0.00E+00	1.39E-02
7.00E+02	1.01E-07	1.77E-03	0.00E+00	7.62E-03
8.00E+02	2.78E-08	9.73E-04	0.00E+00	4.17E-03

CLASS W

AMAD = 1 MICRON

HALFLIFE= 1.83E+13 DAYS

RHENIUM 187

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	8.59E-02	2.76E-01	2.35E-01	3.96E-02	6.36E-01
2.00E-01	1.20E-01	2.65E-01	1.97E-01	4.96E-02	6.32E-01
3.00E-01	1.51E-01	2.56E-01	1.66E-01	5.37E-02	6.27E-01
4.00E-01	1.76E-01	2.47E-01	1.39E-01	5.64E-02	6.20E-01
5.00E-01	1.96E-01	2.40E-01	1.17E-01	5.84E-02	6.11E-01
6.00E-01	2.11E-01	2.33E-01	9.86E-02	5.96E-02	6.02E-01
7.00E-01	2.23E-01	2.27E-01	8.29E-02	6.02E-02	5.92E-01
8.00E-01	2.31E-01	2.21E-01	6.97E-02	6.02E-02	5.82E-01
9.00E-01	2.37E-01	2.16E-01	5.86E-02	5.98E-02	5.71E-01
1.00E+00	2.40E-01	2.11E-01	4.93E-02	5.89E-02	5.59E-01
2.00E+00	2.20E-01	1.77E-01	8.72E-03	3.95E-02	4.45E-01
3.00E+00	1.74E-01	1.60E-01	1.54E-03	2.12E-02	3.57E-01
4.00E+00	1.35E-01	1.50E-01	2.72E-04	1.06E-02	2.96E-01
5.00E+00	1.04E-01	1.45E-01	4.82E-05	5.30E-03	2.54E-01
6.00E+00	8.23E-02	1.41E-01	8.51E-06	2.77E-03	2.26E-01
7.00E+00	6.61E-02	1.38E-01	1.51E-06	1.57E-03	2.06E-01
8.00E+00	5.43E-02	1.36E-01	2.66E-07	1.00E-03	1.91E-01
9.00E+00	4.56E-02	1.34E-01	4.70E-08	7.29E-04	1.80E-01
1.00E+01	3.91E-02	1.32E-01	0.00E+00	5.93E-04	1.72E-01
2.00E+01	1.74E-02	1.16E-01	0.00E+00	4.09E-04	1.34E-01
3.00E+01	1.25E-02	1.02E-01	0.00E+00	3.56E-04	1.15E-01
4.00E+01	9.85E-03	9.01E-02	0.00E+00	3.10E-04	1.00E-01
5.00E+01	7.97E-03	7.93E-02	0.00E+00	2.70E-04	8.75E-02
6.00E+01	6.53E-03	6.98E-02	0.00E+00	2.35E-04	7.65E-02
7.00E+01	5.40E-03	6.14E-02	0.00E+00	2.04E-04	6.70E-02
8.00E+01	4.49E-03	5.40E-02	0.00E+00	1.78E-04	5.87E-02
9.00E+01	3.77E-03	4.75E-02	0.00E+00	1.55E-04	5.14E-02
1.00E+02	3.19E-03	4.18E-02	0.00E+00	1.35E-04	4.51E-02
2.00E+02	7.39E-04	1.15E-02	0.00E+00	3.37E-05	1.23E-02
3.00E+02	2.00E-04	3.15E-03	0.00E+00	8.43E-06	3.36E-03
4.00E+02	5.48E-05	8.55E-04	0.00E+00	2.11E-06	9.12E-04
5.00E+02	1.50E-05	2.31E-04	0.00E+00	5.27E-07	2.46E-04
6.00E+02	4.08E-06	6.19E-05	0.00E+00	1.32E-07	6.61E-05
7.00E+02	1.10E-06	1.65E-05	0.00E+00	3.29E-08	1.77E-05
8.00E+02	2.95E-07	4.40E-06	0.00E+00	0.00E+00	4.69E-06
9.00E+02	7.90E-08	1.16E-06	0.00E+00	0.00E+00	1.24E-06
1.00E+03	2.10E-08	3.08E-07	0.00E+00	0.00E+00	3.29E-07

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		2.63E-03		5.74E-06
2.00E-01		6.73E-03		9.01E-05
3.00E-01		1.21E-02		3.78E-04
4.00E-01		1.86E-02		9.61E-04
5.00E-01		2.59E-02		1.88E-03
6.00E-01		3.38E-02		3.15E-03
7.00E-01		4.22E-02		4.75E-03
8.00E-01		5.09E-02		6.65E-03
9.00E-01		5.98E-02		8.82E-03
1.00E+00	6.88E-02	6.88E-02	1.12E-02	1.12E-02
2.00E+00	8.58E-02	1.55E-01	2.80E-02	3.92E-02
3.00E+00	6.71E-02	2.22E-01	2.16E-02	6.08E-02
4.00E+00	4.89E-02	2.71E-01	1.22E-02	7.30E-02
5.00E+00	3.51E-02	3.06E-01	6.19E-03	7.91E-02
6.00E+00	2.54E-02	3.31E-01	3.10E-03	8.22E-02
7.00E+00	1.85E-02	3.50E-01	1.60E-03	8.38E-02
8.00E+00	1.37E-02	3.63E-01	8.95E-04	8.47E-02
9.00E+00	1.04E-02	3.74E-01	5.59E-04	8.53E-02
1.00E+01	8.03E-03	3.82E-01	3.97E-04	8.57E-02
2.00E+01	2.11E-03	4.17E-01	2.17E-04	8.81E-02
3.00E+01	1.47E-03	4.34E-01	1.89E-04	9.02E-02
4.00E+01	1.22E-03	4.47E-01	1.64E-04	9.19E-02
5.00E+01	1.05E-03	4.58E-01	1.43E-04	9.34E-02
6.00E+01	9.05E-04	4.68E-01	1.24E-04	9.48E-02
7.00E+01	7.87E-04	4.76E-01	1.08E-04	9.59E-02
8.00E+01	6.86E-04	4.84E-01	9.43E-05	9.69E-02
9.00E+01	5.99E-04	4.90E-01	8.21E-05	9.78E-02
1.00E+02	5.23E-04	4.95E-01	7.14E-05	9.85E-02
2.00E+02	1.43E-04	5.24E-01	1.79E-05	1.02E-01
3.00E+02	3.95E-05	5.32E-01	4.46E-06	1.03E-01
4.00E+02	1.09E-05	5.35E-01	1.12E-06	1.04E-01
5.00E+02	2.97E-06	5.35E-01	2.79E-07	1.04E-01
6.00E+02	8.07E-07	5.35E-01	6.98E-08	1.04E-01
7.00E+02	2.18E-07	5.35E-01	1.74E-08	1.04E-01
8.00E+02	5.84E-08	5.35E-01	0.00E+00	1.04E-01
9.00E+02	1.56E-08	5.35E-01	0.00E+00	1.04E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	8.44E-02	2.71E-01	2.30E-01	3.89E-02	6.25E-01
2.00E-01	1.16E-01	2.56E-01	1.90E-01	4.78E-02	6.10E-01
3.00E-01	1.43E-01	2.42E-01	1.57E-01	5.08E-02	5.93E-01
4.00E-01	1.64E-01	2.30E-01	1.30E-01	5.25E-02	5.76E-01
5.00E-01	1.79E-01	2.19E-01	1.07E-01	5.33E-02	5.58E-01
6.00E-01	1.89E-01	2.09E-01	8.84E-02	5.34E-02	5.39E-01
7.00E-01	1.96E-01	1.99E-01	7.29E-02	5.29E-02	5.21E-01
8.00E-01	1.99E-01	1.91E-01	6.02E-02	5.20E-02	5.02E-01
9.00E-01	2.01E-01	1.83E-01	4.97E-02	5.07E-02	4.84E-01
1.00E+00	2.00E-01	1.75E-01	4.11E-02	4.90E-02	4.65E-01
2.00E+00	1.52E-01	1.23E-01	6.04E-03	2.73E-02	3.09E-01
3.00E+00	1.00E-01	9.22E-02	8.89E-04	1.22E-02	2.06E-01
4.00E+00	6.46E-02	7.22E-02	1.31E-04	5.09E-03	1.42E-01
5.00E+00	4.17E-02	5.78E-02	1.93E-05	2.12E-03	1.02E-01
6.00E+00	2.74E-02	4.69E-02	2.83E-06	9.22E-04	7.52E-02
7.00E+00	1.83E-02	3.83E-02	4.17E-07	4.36E-04	5.70E-02
8.00E+00	1.25E-02	3.13E-02	6.14E-08	2.31E-04	4.41E-02
9.00E+00	8.75E-03	2.57E-02	0.00E+00	1.40E-04	3.46E-02
1.00E+01	6.25E-03	2.11E-02	0.00E+00	9.47E-05	2.75E-02
2.00E+01	4.45E-04	2.97E-03	0.00E+00	1.04E-05	3.42E-03
3.00E+01	5.10E-05	4.18E-04	0.00E+00	1.45E-06	4.70E-04
4.00E+01	6.42E-06	5.88E-05	0.00E+00	2.02E-07	6.54E-05
5.00E+01	8.31E-07	8.26E-06	0.00E+00	2.81E-08	9.12E-06
6.00E+01	1.09E-07	1.16E-06	0.00E+00	0.00E+00	1.27E-06
7.00E+01	1.44E-08	1.63E-07	0.00E+00	0.00E+00	1.78E-07

CLASS W AMAD = 1 MICRON

HALFLIFE= 3.78E+00 DAYS

RHENIUM 186

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		2.58E-03		5.63E-06
2.00E-01		6.49E-03		8.69E-05
3.00E-01		1.15E-02		3.58E-04
4.00E-01		1.73E-02		8.93E-04
5.00E-01		2.36E-02		1.72E-03
6.00E-01		3.03E-02		2.82E-03
7.00E-01		3.71E-02		4.18E-03
8.00E-01		4.39E-02		5.75E-03
9.00E-01		5.07E-02		7.48E-03
1.00E+00	5.72E-02	5.72E-02	9.34E-03	9.34E-03
2.00E+00	5.94E-02	1.07E-01	1.94E-02	2.72E-02
3.00E+00	3.87E-02	1.28E-01	1.25E-02	3.51E-02
4.00E+00	2.35E-02	1.30E-01	5.84E-03	3.50E-02
5.00E+00	1.40E-02	1.22E-01	2.47E-03	3.16E-02
6.00E+00	8.44E-03	1.10E-01	1.03E-03	2.74E-02
7.00E+00	5.12E-03	9.68E-02	4.44E-04	2.32E-02
8.00E+00	3.16E-03	8.38E-02	2.06E-04	1.95E-02
9.00E+00	1.99E-03	7.17E-02	1.07E-04	1.64E-02
1.00E+01	1.28E-03	6.10E-02	6.35E-05	1.37E-02
2.00E+01	5.40E-05	1.06E-02	5.53E-06	2.25E-03
3.00E+01	6.00E-06	1.77E-03	7.69E-07	3.68E-04
4.00E+01	7.94E-07	2.92E-04	1.07E-07	6.00E-05
5.00E+01	1.09E-07	4.78E-05	1.49E-08	9.74E-06
6.00E+01	1.51E-08	7.80E-06	0.00E+00	1.58E-06

CLASS W

AMAD = 1 MICRON

HALFLIFE= 7.40E+01 DAYS

IRIDIUM 192

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	6.79E-02	2.76E-01	2.34E-01	5.70E-02	6.35E-01
2.00E-01	6.54E-02	2.65E-01	1.97E-01	1.05E-01	6.32E-01
3.00E-01	6.35E-02	2.55E-01	1.65E-01	1.44E-01	6.28E-01
4.00E-01	6.22E-02	2.46E-01	1.39E-01	1.77E-01	6.25E-01
5.00E-01	6.12E-02	2.39E-01	1.17E-01	2.03E-01	6.20E-01
6.00E-01	6.05E-02	2.31E-01	9.81E-02	2.24E-01	6.14E-01
7.00E-01	5.99E-02	2.25E-01	8.24E-02	2.39E-01	6.07E-01
8.00E-01	5.95E-02	2.19E-01	6.92E-02	2.50E-01	5.98E-01
9.00E-01	5.91E-02	2.14E-01	5.82E-02	2.57E-01	5.88E-01
1.00E+00	5.89E-02	2.09E-01	4.89E-02	2.61E-01	5.77E-01
2.00E+00	5.75E-02	1.74E-01	8.56E-03	1.98E-01	4.38E-01
3.00E+00	5.65E-02	1.55E-01	1.50E-03	1.09E-01	3.22E-01
4.00E+00	5.55E-02	1.45E-01	2.62E-04	5.45E-02	2.55E-01
5.00E+00	5.45E-02	1.38E-01	4.60E-05	2.69E-02	2.19E-01
6.00E+00	5.36E-02	1.33E-01	8.05E-06	1.37E-02	2.00E-01
7.00E+00	5.27E-02	1.29E-01	1.41E-06	7.54E-03	1.90E-01
8.00E+00	5.19E-02	1.26E-01	2.47E-07	4.63E-03	1.83E-01
9.00E+00	5.11E-02	1.23E-01	4.32E-08	3.23E-03	1.77E-01
1.00E+01	5.04E-02	1.20E-01	0.00E+00	2.54E-03	1.73E-01
2.00E+01	4.46E-02	9.64E-02	0.00E+00	1.54E-03	1.42E-01
3.00E+01	4.04E-02	7.73E-02	0.00E+00	1.22E-03	1.19E-01
4.00E+01	3.68E-02	6.19E-02	0.00E+00	9.66E-04	9.97E-02
5.00E+01	3.36E-02	4.96E-02	0.00E+00	7.66E-04	8.40E-02
6.00E+01	3.06E-02	3.98E-02	0.00E+00	6.07E-04	7.10E-02
7.00E+01	2.78E-02	3.19E-02	0.00E+00	4.81E-04	6.01E-02
8.00E+01	2.51E-02	2.55E-02	0.00E+00	3.81E-04	5.11E-02
9.00E+01	2.27E-02	2.05E-02	0.00E+00	3.02E-04	4.35E-02
1.00E+02	2.05E-02	1.64E-02	0.00E+00	2.40E-04	3.71E-02
2.00E+02	6.59E-03	1.77E-03	0.00E+00	2.35E-05	8.39E-03
3.00E+02	1.94E-03	1.90E-04	0.00E+00	2.30E-06	2.13E-03
4.00E+02	5.52E-04	2.02E-05	0.00E+00	2.26E-07	5.72E-04
5.00E+02	1.55E-04	2.14E-06	0.00E+00	2.21E-08	1.57E-04
6.00E+02	4.30E-05	2.25E-07	0.00E+00	0.00E+00	4.32E-05
7.00E+02	1.19E-05	2.35E-08	0.00E+00	0.00E+00	1.20E-05
8.00E+02	3.31E-06	0.00E+00	0.00E+00	0.00E+00	3.31E-06
9.00E+02	9.19E-07	0.00E+00	0.00E+00	0.00E+00	9.19E-07
1.00E+03	2.55E-07	0.00E+00	0.00E+00	0.00E+00	2.55E-07

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		3.09E-03		8.09E-06
2.00E-01		5.92E-03		1.63E-04
3.00E-01		8.10E-03		8.24E-04
4.00E-01		9.80E-03		2.40E-03
5.00E-01		1.11E-02		5.23E-03
6.00E-01		1.22E-02		9.52E-03
7.00E-01		1.30E-02		1.53E-02
8.00E-01		1.37E-02		2.27E-02
9.00E-01		1.42E-02		3.14E-02
1.00E+00	1.47E-02	1.47E-02	4.15E-02	4.15E-02
2.00E+00	2.32E-03	1.69E-02	1.32E-01	1.73E-01
3.00E+00	1.25E-03	1.80E-02	1.10E-01	2.81E-01
4.00E+00	1.06E-03	1.89E-02	6.33E-02	3.42E-01
5.00E+00	9.75E-04	1.96E-02	3.22E-02	3.71E-01
6.00E+00	9.07E-04	2.04E-02	1.60E-02	3.83E-01
7.00E+00	8.49E-04	2.10E-02	8.13E-03	3.88E-01
8.00E+00	7.97E-04	2.16E-02	4.44E-03	3.89E-01
9.00E+00	7.50E-04	2.22E-02	2.70E-03	3.88E-01
1.00E+01	7.07E-04	2.27E-02	1.86E-03	3.86E-01
2.00E+01	4.31E-04	2.58E-02	8.91E-04	3.62E-01
3.00E+01	3.06E-04	2.69E-02	7.06E-04	3.37E-01
4.00E+01	2.41E-04	2.70E-02	5.60E-04	3.13E-01
5.00E+01	2.01E-04	2.67E-02	4.44E-04	2.89E-01
6.00E+01	1.72E-04	2.61E-02	3.52E-04	2.67E-01
7.00E+01	1.49E-04	2.53E-02	2.79E-04	2.46E-01
8.00E+01	1.30E-04	2.43E-02	2.21E-04	2.27E-01
9.00E+01	1.14E-04	2.33E-02	1.75E-04	2.08E-01
1.00E+02	9.96E-05	2.23E-02	1.39E-04	1.91E-01
2.00E+02	2.66E-05	1.20E-02	1.36E-05	7.79E-02
3.00E+02	7.19E-06	5.55E-03	1.33E-06	3.08E-02
4.00E+02	1.97E-06	2.41E-03	1.31E-07	1.21E-02
5.00E+02	5.42E-07	1.01E-03	1.28E-08	4.75E-03
6.00E+02	1.50E-07	4.14E-04	0.00E+00	1.86E-03
7.00E+02	4.15E-08	1.67E-04	0.00E+00	7.30E-04
8.00E+02	1.15E-08	6.70E-05	0.00E+00	2.86E-04

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	6.80E-02	2.76E-01	2.35E-01	5.71E-02	6.36E-01
2.00E-01	6.55E-02	2.65E-01	1.97E-01	1.05E-01	6.33E-01
3.00E-01	6.37E-02	2.56E-01	1.66E-01	1.45E-01	6.30E-01
4.00E-01	6.24E-02	2.47E-01	1.39E-01	1.78E-01	6.27E-01
5.00E-01	6.15E-02	2.40E-01	1.17E-01	2.04E-01	6.23E-01
6.00E-01	6.08E-02	2.33E-01	9.86E-02	2.25E-01	6.17E-01
7.00E-01	6.03E-02	2.27E-01	8.29E-02	2.41E-01	6.11E-01
8.00E-01	5.99E-02	2.21E-01	6.97E-02	2.52E-01	6.02E-01
9.00E-01	5.96E-02	2.16E-01	5.86E-02	2.59E-01	5.93E-01
1.00E+00	5.94E-02	2.11E-01	4.93E-02	2.63E-01	5.82E-01
2.00E+00	5.86E-02	1.77E-01	8.72E-03	2.01E-01	4.46E-01
3.00E+00	5.81E-02	1.60E-01	1.54E-03	1.12E-01	3.32E-01
4.00E+00	5.76E-02	1.50E-01	2.72E-04	5.66E-02	2.65E-01
5.00E+00	5.71E-02	1.45E-01	4.82E-05	2.82E-02	2.30E-01
6.00E+00	5.67E-02	1.41E-01	8.51E-06	1.45E-02	2.12E-01
7.00E+00	5.63E-02	1.38E-01	1.51E-06	8.05E-03	2.02E-01
8.00E+00	5.60E-02	1.36E-01	2.66E-07	4.99E-03	1.97E-01
9.00E+00	5.56E-02	1.34E-01	4.70E-08	3.51E-03	1.93E-01
1.00E+01	5.53E-02	1.32E-01	0.00E+00	2.79E-03	1.90E-01
2.00E+01	5.38E-02	1.16E-01	0.00E+00	1.85E-03	1.72E-01
3.00E+01	5.35E-02	1.02E-01	0.00E+00	1.61E-03	1.57E-01
4.00E+01	5.35E-02	9.01E-02	0.00E+00	1.40E-03	1.45E-01
5.00E+01	5.36E-02	7.93E-02	0.00E+00	1.22E-03	1.34E-01
6.00E+01	5.36E-02	6.98E-02	0.00E+00	1.06E-03	1.24E-01
7.00E+01	5.35E-02	6.14E-02	0.00E+00	9.27E-04	1.16E-01
8.00E+01	5.32E-02	5.40E-02	0.00E+00	8.07E-04	1.08E-01
9.00E+01	5.28E-02	4.75E-02	0.00E+00	7.02E-04	1.01E-01
1.00E+02	5.22E-02	4.18E-02	0.00E+00	6.12E-04	9.46E-02
2.00E+02	4.29E-02	1.15E-02	0.00E+00	1.53E-04	5.46E-02
3.00E+02	3.22E-02	3.15E-03	0.00E+00	3.82E-05	3.54E-02
4.00E+02	2.34E-02	8.55E-04	0.00E+00	9.56E-06	2.42E-02
5.00E+02	1.67E-02	2.31E-04	0.00E+00	2.39E-06	1.69E-02
6.00E+02	1.19E-02	6.19E-05	0.00E+00	5.97E-07	1.19E-02
7.00E+02	8.40E-03	1.65E-05	0.00E+00	1.49E-07	8.41E-03
8.00E+02	5.94E-03	4.40E-06	0.00E+00	3.73E-08	5.95E-03
9.00E+02	4.20E-03	1.16E-06	0.00E+00	0.00E+00	4.20E-03
1.00E+03	2.97E-03	3.08E-07	0.00E+00	0.00E+00	2.97E-03
2.00E+03	9.30E-05	0.00E+00	0.00E+00	0.00E+00	9.30E-05
3.00E+03	2.91E-06	0.00E+00	0.00E+00	0.00E+00	2.91E-06
4.00E+03	9.09E-08	0.00E+00	0.00E+00	0.00E+00	9.09E-08

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		3.09E-03		8.09E-06
2.00E-01		5.93E-03		1.64E-04
3.00E-01		8.12E-03		8.27E-04
4.00E-01		9.84E-03		2.41E-03
5.00E-01		1.12E-02		5.26E-03
6.00E-01		1.22E-02		9.57E-03
7.00E-01		1.31E-02		1.54E-02
8.00E-01		1.38E-02		2.29E-02
9.00E-01		1.44E-02		3.17E-02
1.00E+00	1.48E-02	1.48E-02	4.19E-02	4.19E-02
2.00E+00	2.36E-03	1.72E-02	1.34E-01	1.76E-01
3.00E+00	1.28E-03	1.85E-02	1.13E-01	2.89E-01
4.00E+00	1.10E-03	1.96E-02	6.57E-02	3.55E-01
5.00E+00	1.02E-03	2.06E-02	3.38E-02	3.89E-01
6.00E+00	9.60E-04	2.16E-02	1.69E-02	4.06E-01
7.00E+00	9.07E-04	2.25E-02	8.68E-03	4.14E-01
8.00E+00	8.59E-04	2.33E-02	4.78E-03	4.19E-01
9.00E+00	8.15E-04	2.41E-02	2.93E-03	4.22E-01
1.00E+01	7.76E-04	2.49E-02	2.05E-03	4.24E-01
2.00E+01	5.20E-04	3.11E-02	1.07E-03	4.36E-01
3.00E+01	4.06E-04	3.56E-02	9.35E-04	4.46E-01
4.00E+01	3.51E-04	3.93E-02	8.14E-04	4.55E-01
5.00E+01	3.21E-04	4.26E-02	7.08E-04	4.62E-01
6.00E+01	3.02E-04	4.57E-02	6.17E-04	4.69E-01
7.00E+01	2.87E-04	4.87E-02	5.37E-04	4.75E-01
8.00E+01	2.75E-04	5.15E-02	4.67E-04	4.80E-01
9.00E+01	2.64E-04	5.42E-02	4.07E-04	4.84E-01
1.00E+02	2.54E-04	5.68E-02	3.54E-04	4.88E-01
2.00E+02	1.73E-04	7.78E-02	8.86E-05	5.07E-01
3.00E+02	1.19E-04	9.22E-02	2.21E-05	5.12E-01
4.00E+02	8.33E-05	1.02E-01	5.53E-06	5.13E-01
5.00E+02	5.86E-05	1.09E-01	1.38E-06	5.13E-01
6.00E+02	4.13E-05	1.14E-01	3.46E-07	5.13E-01
7.00E+02	2.92E-05	1.18E-01	8.65E-08	5.13E-01
8.00E+02	2.06E-05	1.20E-01	2.16E-08	5.13E-01
9.00E+02	1.46E-05	1.22E-01	0.00E+00	5.13E-01
1.00E+03	1.03E-05	1.23E-01	0.00E+00	5.13E-01
2.00E+03	3.23E-07	1.26E-01	0.00E+00	5.13E-01
3.00E+03	1.01E-08	1.26E-01	0.00E+00	5.13E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	7.04E-02	2.76E-01	2.35E-01	5.64E-02	6.38E-01
2.00E-01	7.16E-02	2.65E-01	1.97E-01	1.02E-01	6.36E-01
3.00E-01	7.36E-02	2.56E-01	1.66E-01	1.38E-01	6.34E-01
4.00E-01	7.58E-02	2.47E-01	1.39E-01	1.68E-01	6.30E-01
5.00E-01	7.77E-02	2.40E-01	1.17E-01	1.91E-01	6.26E-01
6.00E-01	7.92E-02	2.33E-01	9.86E-02	2.09E-01	6.20E-01
7.00E-01	8.03E-02	2.27E-01	8.29E-02	2.23E-01	6.13E-01
8.00E-01	8.11E-02	2.21E-01	6.97E-02	2.32E-01	6.04E-01
9.00E-01	8.14E-02	2.16E-01	5.86E-02	2.38E-01	5.94E-01
1.00E+00	8.15E-02	2.11E-01	4.93E-02	2.41E-01	5.82E-01
2.00E+00	7.36E-02	1.77E-01	8.72E-03	1.82E-01	4.42E-01
3.00E+00	6.15E-02	1.60E-01	1.54E-03	1.01E-01	3.24E-01
4.00E+00	5.03E-02	1.50E-01	2.72E-04	5.09E-02	2.52E-01
5.00E+00	4.09E-02	1.45E-01	4.82E-05	2.53E-02	2.11E-01
6.00E+00	3.32E-02	1.41E-01	8.51E-06	1.31E-02	1.87E-01
7.00E+00	2.70E-02	1.38E-01	1.51E-06	7.26E-03	1.72E-01
8.00E+00	2.21E-02	1.36E-01	2.66E-07	4.51E-03	1.62E-01
9.00E+00	1.81E-02	1.34E-01	4.70E-08	3.18E-03	1.55E-01
1.00E+01	1.49E-02	1.32E-01	0.00E+00	2.53E-03	1.50E-01
2.00E+01	3.64E-03	1.16E-01	0.00E+00	1.69E-03	1.22E-01
3.00E+01	2.30E-03	1.02E-01	0.00E+00	1.47E-03	1.06E-01
4.00E+01	1.97E-03	9.01E-02	0.00E+00	1.28E-03	9.33E-02
5.00E+01	1.76E-03	7.93E-02	0.00E+00	1.11E-03	8.21E-02
6.00E+01	1.58E-03	6.98E-02	0.00E+00	9.70E-04	7.23E-02
7.00E+01	1.42E-03	6.14E-02	0.00E+00	8.44E-04	6.36E-02
3.00E+01	1.27E-03	5.40E-02	0.00E+00	7.35E-04	5.60E-02
9.00E+01	1.14E-03	4.75E-02	0.00E+00	6.40E-04	4.93E-02
1.00E+02	1.02E-03	4.18E-02	0.00E+00	5.57E-04	4.34E-02
2.00E+02	3.24E-04	1.15E-02	0.00E+00	1.39E-04	1.20E-02
3.00E+02	9.82E-05	3.15E-03	0.00E+00	3.48E-05	3.28E-03
4.00E+02	2.89E-05	8.55E-04	0.00E+00	8.71E-06	8.93E-04
5.00E+02	8.29E-06	2.31E-04	0.00E+00	2.18E-06	2.41E-04
6.00E+02	2.34E-06	6.19E-05	0.00E+00	5.44E-07	6.48E-05
7.00E+02	6.53E-07	1.65E-05	0.00E+00	1.36E-07	1.73E-05
8.00E+02	1.80E-07	4.40E-06	0.00E+00	3.40E-08	4.61E-06
9.00E+02	4.92E-08	1.16E-06	0.00E+00	0.00E+00	1.21E-06
1.00E+03	1.34E-08	3.08E-07	0.00E+00	0.00E+00	3.21E-07

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
	DAYS			
1.00E-01		1.40E-03		8.01E-06
2.00E-01		3.03E-03		1.60E-04
3.00E-01		4.71E-03		8.04E-04
4.00E-01		6.44E-03		2.33E-03
5.00E-01		8.21E-03		5.04E-03
6.00E-01		1.00E-02		9.13E-03
7.00E-01		1.19E-02		1.47E-02
8.00E-01		1.37E-02		2.16E-02
9.00E-01		1.56E-02		2.98E-02
1.00E+00	1.75E-02	1.75E-02	3.93E-02	3.93E-02
2.00E+00	1.81E-02	3.56E-02	1.23E-01	1.62E-01
3.00E+00	1.56E-02	5.12E-02	1.02E-01	2.64E-01
4.00E+00	1.29E-02	6.41E-02	5.92E-02	3.23E-01
5.00E+00	1.05E-02	7.46E-02	3.04E-02	3.54E-01
6.00E+00	8.54E-03	8.32E-02	1.52E-02	3.69E-01
7.00E+00	6.94E-03	9.01E-02	7.81E-03	3.77E-01
8.00E+00	5.65E-03	9.57E-02	4.31E-03	3.81E-01
9.00E+00	4.62E-03	1.00E-01	2.65E-03	3.84E-01
1.00E+01	3.79E-03	1.04E-01	1.85E-03	3.85E-01
2.00E+01	8.78E-04	1.21E-01	9.77E-04	3.97E-01
3.00E+01	5.38E-04	1.27E-01	8.50E-04	4.06E-01
4.00E+01	4.59E-04	1.32E-01	7.40E-04	4.13E-01
5.00E+01	4.10E-04	1.37E-01	6.44E-04	4.20E-01
6.00E+01	3.68E-04	1.41E-01	5.61E-04	4.26E-01
7.00E+01	3.30E-04	1.44E-01	4.88E-04	4.32E-01
8.00E+01	2.96E-04	1.47E-01	4.25E-04	4.36E-01
9.00E+01	2.65E-04	1.50E-01	3.70E-04	4.40E-01
1.00E+02	2.37E-04	1.52E-01	3.22E-04	4.43E-01
2.00E+02	7.52E-05	1.66E-01	8.05E-05	4.61E-01
3.00E+02	2.28E-05	1.71E-01	2.01E-05	4.65E-01
4.00E+02	6.71E-06	1.72E-01	5.03E-06	4.66E-01
5.00E+02	1.93E-06	1.73E-01	1.26E-06	4.66E-01
6.00E+02	5.44E-07	1.73E-01	3.14E-07	4.66E-01
7.00E+02	1.52E-07	1.73E-01	7.86E-08	4.66E-01
8.00E+02	4.18E-08	1.73E-01	1.97E-08	4.66E-01
9.00E+02	1.14E-08	1.73E-01	0.00E+00	4.66E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	6.38E-02	2.76E-01	2.35E-01	5.68E-02	6.32E-01
2.00E-01	5.78E-02	2.65E-01	1.97E-01	1.04E-01	6.24E-01
3.00E-01	5.34E-02	2.56E-01	1.66E-01	1.42E-01	6.17E-01
4.00E-01	4.99E-02	2.47E-01	1.39E-01	1.73E-01	6.10E-01
5.00E-01	4.70E-02	2.40E-01	1.17E-01	1.99E-01	6.03E-01
6.00E-01	4.45E-02	2.33E-01	9.86E-02	2.18E-01	5.94E-01
7.00E-01	4.23E-02	2.27E-01	8.29E-02	2.33E-01	5.85E-01
8.00E-01	4.03E-02	2.21E-01	6.97E-02	2.43E-01	5.74E-01
9.00E-01	3.85E-02	2.16E-01	5.86E-02	2.50E-01	5.63E-01
1.00E+00	3.68E-02	2.11E-01	4.93E-02	2.53E-01	5.50E-01
2.00E+00	2.56E-02	1.77E-01	8.72E-03	1.93E-01	4.04E-01
3.00E+00	2.00E-02	1.60E-01	1.54E-03	1.07E-01	2.89E-01
4.00E+00	1.67E-02	1.50E-01	2.72E-04	5.40E-02	2.21E-01
5.00E+00	1.44E-02	1.45E-01	4.82E-05	2.69E-02	1.86E-01
6.00E+00	1.26E-02	1.41E-01	8.51E-06	1.39E-02	1.67E-01
7.00E+00	1.11E-02	1.38E-01	1.51E-06	7.70E-03	1.57E-01
8.00E+00	9.86E-03	1.36E-01	2.66E-07	4.77E-03	1.51E-01
9.00E+00	8.75E-03	1.34E-01	4.70E-08	3.36E-03	1.46E-01
1.00E+01	7.78E-03	1.32E-01	0.00E+00	2.67E-03	1.43E-01
2.00E+01	2.87E-03	1.16E-01	0.00E+00	1.78E-03	1.21E-01
3.00E+01	1.55E-03	1.02E-01	0.00E+00	1.55E-03	1.05E-01
4.00E+01	1.14E-03	9.01E-02	0.00E+00	1.35E-03	9.25E-02
5.00E+01	9.65E-04	7.93E-02	0.00E+00	1.17E-03	8.14E-02
6.00E+01	8.53E-04	6.98E-02	0.00E+00	1.02E-03	7.16E-02
7.00E+01	7.64E-04	6.14E-02	0.00E+00	8.90E-04	6.30E-02
8.00E+01	6.85E-04	5.40E-02	0.00E+00	7.75E-04	5.55E-02
9.00E+01	6.15E-04	4.75E-02	0.00E+00	6.75E-04	4.88E-02
1.00E+02	5.52E-04	4.18E-02	0.00E+00	5.87E-04	4.29E-02
2.00E+02	1.79E-04	1.15E-02	0.00E+00	1.47E-04	1.19E-02
3.00E+02	5.48E-05	3.15E-03	0.00E+00	3.67E-05	3.24E-03
4.00E+02	1.63E-05	8.55E-04	0.00E+00	9.18E-06	8.81E-04
5.00E+02	4.70E-06	2.31E-04	0.00E+00	2.29E-06	2.38E-04
6.00E+02	1.33E-06	6.19E-05	0.00E+00	5.74E-07	6.38E-05
7.00E+02	3.73E-07	1.65E-05	0.00E+00	1.43E-07	1.70E-05
8.00E+02	1.03E-07	4.40E-06	0.00E+00	3.58E-08	4.53E-06
9.00E+02	2.83E-08	1.16E-06	0.00E+00	0.00E+00	1.19E-06

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		7.54E-03		8.06E-06
2.00E-01		1.50E-02		1.62E-04
3.00E-01		2.12E-02		8.17E-04
4.00E-01		2.67E-02		2.38E-03
5.00E-01		3.14E-02		5.16E-03
6.00E-01		3.56E-02		9.38E-03
7.00E-01		3.93E-02		1.51E-02
8.00E-01		4.27E-02		2.23E-02
9.00E-01		4.57E-02		3.09E-02
1.00E+00	4.83E-02	4.83E-02	4.07E-02	4.07E-02
2.00E+00	1.66E-02	6.50E-02	1.29E-01	1.70E-01
3.00E+00	7.61E-03	7.26E-02	1.08E-01	2.78E-01
4.00E+00	4.41E-03	7.70E-02	6.28E-02	3.41E-01
5.00E+00	3.11E-03	8.01E-02	3.23E-02	3.73E-01
6.00E+00	2.48E-03	8.26E-02	1.61E-02	3.89E-01
7.00E+00	2.11E-03	8.47E-02	8.29E-03	3.98E-01
8.00E+00	1.86E-03	8.65E-02	4.57E-03	4.02E-01
9.00E+00	1.66E-03	8.82E-02	2.81E-03	4.05E-01
1.00E+01	1.51E-03	8.97E-02	1.96E-03	4.07E-01
2.00E+01	7.34E-04	9.97E-02	1.03E-03	4.19E-01
3.00E+01	5.08E-04	1.06E-01	8.97E-04	4.28E-01
4.00E+01	4.20E-04	1.10E-01	7.81E-04	4.36E-01
5.00E+01	3.69E-04	1.14E-01	6.80E-04	4.44E-01
6.00E+01	3.30E-04	1.18E-01	5.92E-04	4.50E-01
7.00E+01	2.96E-04	1.21E-01	5.15E-04	4.55E-01
8.00E+01	2.66E-04	1.23E-01	4.48E-04	4.60E-01
9.00E+01	2.39E-04	1.26E-01	3.90E-04	4.64E-01
1.00E+02	2.14E-04	1.28E-01	3.40E-04	4.68E-01
2.00E+02	6.91E-05	1.41E-01	8.50E-05	4.86E-01
3.00E+02	2.12E-05	1.45E-01	2.12E-05	4.91E-01
4.00E+02	6.27E-06	1.46E-01	5.31E-06	4.92E-01
5.00E+02	1.81E-06	1.47E-01	1.33E-06	4.92E-01
6.00E+02	5.14E-07	1.47E-01	3.32E-07	4.92E-01
7.00E+02	1.44E-07	1.47E-01	8.30E-08	4.92E-01
8.00E+02	3.98E-08	1.47E-01	2.07E-08	4.92E-01
9.00E+02	1.09E-08	1.47E-01	0.00E+00	4.92E-01

CLASS W

AMAD = 1 MICRON

HALFLIFE= 1.38E+02 DAYS

POLONIUM 210

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	7.17E-02	2.76E-01	2.35E-01	5.63E-02	6.39E-01
2.00E-01	7.44E-02	2.65E-01	1.97E-01	1.02E-01	6.38E-01
3.00E-01	7.79E-02	2.55E-01	1.66E-01	1.38E-01	6.37E-01
4.00E-01	8.17E-02	2.47E-01	1.39E-01	1.68E-01	6.35E-01
5.00E-01	8.52E-02	2.39E-01	1.17E-01	1.91E-01	6.32E-01
6.00E-01	8.84E-02	2.32E-01	9.83E-02	2.09E-01	6.27E-01
7.00E-01	9.11E-02	2.26E-01	8.27E-02	2.22E-01	6.22E-01
8.00E-01	9.35E-02	2.20E-01	6.95E-02	2.31E-01	6.14E-01
9.00E-01	9.56E-02	2.15E-01	5.84E-02	2.37E-01	6.06E-01
1.00E+00	9.74E-02	2.10E-01	4.91E-02	2.40E-01	5.96E-01
2.00E+00	1.06E-01	1.76E-01	8.63E-03	1.80E-01	4.70E-01
3.00E+00	1.07E-01	1.57E-01	1.52E-03	9.94E-02	3.65E-01
4.00E+00	1.07E-01	1.47E-01	2.67E-04	4.99E-02	3.04E-01
5.00E+00	1.06E-01	1.41E-01	4.70E-05	2.47E-02	2.71E-01
6.00E+00	1.05E-01	1.37E-01	8.26E-06	1.27E-02	2.54E-01
7.00E+00	1.03E-01	1.33E-01	1.45E-06	7.01E-03	2.44E-01
8.00E+00	1.02E-01	1.31E-01	2.56E-07	4.33E-03	2.37E-01
9.00E+00	1.01E-01	1.28E-01	4.50E-08	3.04E-03	2.32E-01
1.00E+01	9.94E-02	1.26E-01	0.00E+00	2.41E-03	2.27E-01
2.00E+01	8.70E-02	1.05E-01	0.00E+00	1.53E-03	1.94E-01
3.00E+01	7.61E-02	8.80E-02	0.00E+00	1.27E-03	1.65E-01
4.00E+01	6.65E-02	7.37E-02	0.00E+00	1.05E-03	1.41E-01
5.00E+01	5.80E-02	6.17E-02	0.00E+00	8.67E-04	1.21E-01
6.00E+01	5.06E-02	5.16E-02	0.00E+00	7.18E-04	1.03E-01
7.00E+01	4.40E-02	4.32E-02	0.00E+00	5.95E-04	8.78E-02
8.00E+01	3.83E-02	3.62E-02	0.00E+00	4.92E-04	7.49E-02
9.00E+01	3.33E-02	3.03E-02	0.00E+00	4.08E-04	6.39E-02
1.00E+02	2.89E-02	2.53E-02	0.00E+00	3.38E-04	5.45E-02
2.00E+02	6.69E-03	4.23E-03	0.00E+00	5.11E-05	1.10E-02
3.00E+02	1.44E-03	7.01E-04	0.00E+00	7.75E-06	2.15E-03
4.00E+02	2.97E-04	1.15E-04	0.00E+00	1.17E-06	4.13E-04
5.00E+02	5.86E-05	1.89E-05	0.00E+00	1.78E-07	7.76E-05
6.00E+02	1.12E-05	3.06E-06	0.00E+00	2.69E-08	1.43E-05
7.00E+02	2.10E-06	4.96E-07	0.00E+00	0.00E+00	2.60E-06
8.00E+02	3.85E-07	7.99E-08	0.00E+00	0.00E+00	4.65E-07
9.00E+02	6.94E-08	1.28E-08	0.00E+00	0.00E+00	8.22E-08
1.00E+03	1.23E-08	0.00E+00	0.00E+00	0.00E+00	1.23E-08

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	24-HOUR URINE	ACCUMULATED URINE	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		8.47E-06		8.43E-05
2.00E-01		1.86E-05		3.28E-04
3.00E-01		2.92E-05		1.07E-03
4.00E-01		4.02E-05		2.69E-03
5.00E-01		5.18E-05		5.50E-03
6.00E-01		6.39E-05		9.67E-03
7.00E-01		7.63E-05		1.53E-02
8.00E-01		8.91E-05		2.23E-02
9.00E-01		1.02E-04		3.06E-02
1.00E+00	1.16E-04	1.16E-04	4.01E-02	4.01E-02
2.00E+00	1.42E-04	2.57E-04	1.23E-01	1.63E-01
3.00E+00	1.48E-04	4.04E-04	1.02E-01	2.64E-01
4.00E+00	1.48E-04	5.50E-04	5.93E-02	3.22E-01
5.00E+00	1.47E-04	6.94E-04	3.09E-02	3.51E-01
6.00E+00	1.46E-04	8.37E-04	1.60E-02	3.65E-01
7.00E+00	1.44E-04	9.77E-04	8.84E-03	3.72E-01
8.00E+00	1.42E-04	1.11E-03	5.42E-03	3.76E-01
9.00E+00	1.41E-04	1.25E-03	3.80E-03	3.78E-01
1.00E+01	1.39E-04	1.38E-03	3.01E-03	3.79E-01
2.00E+01	1.21E-04	2.58E-03	1.98E-03	3.82E-01
3.00E+01	1.06E-04	3.55E-03	1.69E-03	3.81E-01
4.00E+01	9.28E-05	4.34E-03	1.44E-03	3.78E-01
5.00E+01	8.10E-05	4.97E-03	1.23E-03	3.72E-01
6.00E+01	7.06E-05	5.47E-03	1.05E-03	3.65E-01
7.00E+01	6.14E-05	5.84E-03	8.97E-04	3.56E-01
8.00E+01	5.34E-05	6.11E-03	7.66E-04	3.47E-01
9.00E+01	4.64E-05	6.29E-03	6.54E-04	3.37E-01
1.00E+02	4.03E-05	6.41E-03	5.58E-04	3.26E-01
2.00E+02	9.34E-06	5.46E-03	1.14E-04	2.18E-01
3.00E+02	2.02E-06	3.66E-03	2.26E-05	1.36E-01
4.00E+02	4.15E-07	2.29E-03	4.41E-06	8.35E-02
5.00E+02	8.19E-08	1.40E-03	8.40E-07	5.07E-02
6.00E+02	1.57E-08	8.54E-04	1.57E-07	3.08E-02

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	1.07E-01	2.76E-01	2.35E-01	2.10E-02	6.39E-01
2.00E-01	1.55E-01	2.65E-01	1.97E-01	1.96E-02	6.38E-01
3.00E-01	1.98E-01	2.56E-01	1.66E-01	1.68E-02	6.36E-01
4.00E-01	2.34E-01	2.47E-01	1.39E-01	1.43E-02	6.35E-01
5.00E-01	2.64E-01	2.40E-01	1.17E-01	1.22E-02	6.33E-01
6.00E-01	2.89E-01	2.33E-01	9.86E-02	1.05E-02	6.31E-01
7.00E-01	3.11E-01	2.27E-01	8.29E-02	9.01E-03	6.29E-01
8.00E-01	3.29E-01	2.21E-01	6.97E-02	7.77E-03	6.27E-01
9.00E-01	3.44E-01	2.16E-01	5.86E-02	6.72E-03	6.25E-01
1.00E+00	3.56E-01	2.11E-01	4.93E-02	5.83E-03	6.22E-01
2.00E+00	4.08E-01	1.77E-01	8.72E-03	1.66E-03	5.95E-01
3.00E+00	4.05E-01	1.60E-01	1.54E-03	6.39E-04	5.67E-01
4.00E+00	3.89E-01	1.50E-01	2.72E-04	3.08E-04	5.39E-01
5.00E+00	3.68E-01	1.45E-01	4.82E-05	1.74E-04	5.13E-01
6.00E+00	3.47E-01	1.41E-01	8.51E-06	1.12E-04	4.88E-01
7.00E+00	3.27E-01	1.38E-01	1.51E-06	8.16E-05	4.65E-01
8.00E+00	3.07E-01	1.36E-01	2.66E-07	6.63E-05	4.43E-01
9.00E+00	2.88E-01	1.34E-01	4.70E-08	5.83E-05	4.22E-01
1.00E+01	2.71E-01	1.32E-01	0.00E+00	5.40E-05	4.03E-01
2.00E+01	1.47E-01	1.16E-01	0.00E+00	4.38E-05	2.63E-01
3.00E+01	8.34E-02	1.02E-01	0.00E+00	3.82E-05	1.86E-01
4.00E+01	5.05E-02	9.01E-02	0.00E+00	3.32E-05	1.41E-01
5.00E+01	3.30E-02	7.93E-02	0.00E+00	2.89E-05	1.12E-01
6.00E+01	2.33E-02	6.98E-02	0.00E+00	2.52E-05	9.31E-02
7.00E+01	1.77E-02	6.14E-02	0.00E+00	2.19E-05	7.91E-02
8.00E+01	1.41E-02	5.40E-02	0.00E+00	1.91E-05	6.81E-02
9.00E+01	1.17E-02	4.75E-02	0.00E+00	1.66E-05	5.92E-02
1.00E+02	9.95E-03	4.18E-02	0.00E+00	1.45E-05	5.18E-02
2.00E+02	2.64E-03	1.15E-02	0.00E+00	3.61E-06	1.42E-02
3.00E+02	7.27E-04	3.15E-03	0.00E+00	9.04E-07	3.88E-03
4.00E+02	1.99E-04	8.55E-04	0.00E+00	2.26E-07	1.05E-03
5.00E+02	5.39E-05	2.31E-04	0.00E+00	5.65E-08	2.85E-04
6.00E+02	1.45E-05	6.19E-05	0.00E+00	1.41E-08	7.64E-05
7.00E+02	3.90E-06	1.65E-05	0.00E+00	0.00E+00	2.04E-05
8.00E+02	1.04E-06	4.40E-06	0.00E+00	0.00E+00	5.44E-06
9.00E+02	2.76E-07	1.16E-06	0.00E+00	0.00E+00	1.44E-06
1.00E+03	7.32E-08	3.08E-07	0.00E+00	0.00E+00	3.81E-07

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		5.19E-04		0.00E+00
2.00E-01		1.43E-03		0.00E+00
3.00E-01		2.66E-03		0.00E+00
4.00E-01		4.16E-03		0.00E+00
5.00E-01		5.89E-03		0.00E+00
6.00E-01		7.81E-03		0.00E+00
7.00E-01		9.89E-03		0.00E+00
8.00E-01		1.21E-02		0.00E+00
9.00E-01		1.44E-02		0.00E+00
1.00E+00	1.69E-02	1.69E-02	0.00E+00	0.00E+00
2.00E+00	2.70E-02	4.39E-02	0.00E+00	0.00E+00
3.00E+00	2.83E-02	7.22E-02	0.00E+00	0.00E+00
4.00E+00	2.75E-02	9.97E-02	0.00E+00	0.00E+00
5.00E+00	2.62E-02	1.26E-01	0.00E+00	0.00E+00
6.00E+00	2.48E-02	1.51E-01	0.00E+00	0.00E+00
7.00E+00	2.34E-02	1.74E-01	0.00E+00	0.00E+00
8.00E+00	2.20E-02	1.96E-01	0.00E+00	0.00E+00
9.00E+00	2.06E-02	2.17E-01	0.00E+00	0.00E+00
1.00E+01	1.94E-02	2.36E-01	0.00E+00	0.00E+00
2.00E+01	1.05E-02	3.76E-01	0.00E+00	0.00E+00
3.00E+01	5.94E-03	4.53E-01	0.00E+00	0.00E+00
4.00E+01	3.58E-03	4.99E-01	0.00E+00	0.00E+00
5.00E+01	2.33E-03	5.27E-01	0.00E+00	0.00E+00
6.00E+01	1.64E-03	5.46E-01	0.00E+00	0.00E+00
7.00E+01	1.24E-03	5.60E-01	0.00E+00	0.00E+00
8.00E+01	9.88E-04	5.71E-01	0.00E+00	0.00E+00
9.00E+01	8.19E-04	5.80E-01	0.00E+00	0.00E+00
1.00E+02	6.95E-04	5.87E-01	0.00E+00	0.00E+00
2.00E+02	1.84E-04	6.25E-01	0.00E+00	0.00E+00
3.00E+02	5.07E-05	6.35E-01	0.00E+00	0.00E+00
4.00E+02	1.39E-05	6.38E-01	0.00E+00	0.00E+00
5.00E+02	3.76E-06	6.39E-01	0.00E+00	0.00E+00
6.00E+02	1.01E-06	6.39E-01	0.00E+00	0.00E+00
7.00E+02	2.72E-07	6.39E-01	0.00E+00	0.00E+00
8.00E+02	7.25E-08	6.39E-01	0.00E+00	0.00E+00
9.00E+02	1.93E-08	6.39E-01	0.00E+00	0.00E+00

CLASS W AMAD = 1 MICRON

HALFLIFE= 1.14E+01 DAYS

RADIUM 223

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	3.50E-02	2.75E-01	2.33E-01	5.51E-02	5.98E-01
2.00E-01	3.60E-02	2.62E-01	1.95E-01	9.65E-02	5.89E-01
3.00E-01	3.82E-02	2.51E-01	1.63E-01	1.28E-01	5.80E-01
4.00E-01	4.02E-02	2.41E-01	1.36E-01	1.52E-01	5.70E-01
5.00E-01	4.19E-02	2.32E-01	1.14E-01	1.70E-01	5.59E-01
6.00E-01	4.31E-02	2.24E-01	9.51E-02	1.84E-01	5.47E-01
7.00E-01	4.39E-02	2.17E-01	7.95E-02	1.93E-01	5.34E-01
8.00E-01	4.43E-02	2.10E-01	6.64E-02	1.99E-01	5.21E-01
9.00E-01	4.45E-02	2.04E-01	5.55E-02	2.02E-01	5.07E-01
1.00E+00	4.44E-02	1.98E-01	4.64E-02	2.03E-01	4.92E-01
2.00E+00	3.73E-02	1.57E-01	7.72E-03	1.42E-01	3.44E-01
3.00E+00	2.92E-02	1.33E-01	1.28E-03	7.40E-02	2.38E-01
4.00E+00	2.31E-02	1.18E-01	2.14E-04	3.51E-02	1.76E-01
5.00E+00	1.85E-02	1.07E-01	3.56E-05	1.64E-02	1.42E-01
6.00E+00	1.50E-02	9.79E-02	5.92E-06	7.98E-03	1.21E-01
7.00E+00	1.24E-02	9.03E-02	9.84E-07	4.18E-03	1.07E-01
8.00E+00	1.03E-02	8.36E-02	1.64E-07	2.45E-03	9.64E-02
9.00E+00	8.66E-03	7.76E-02	2.72E-08	1.63E-03	8.79E-02
1.00E+01	7.32E-03	7.20E-02	0.00E+00	1.23E-03	8.06E-02
2.00E+01	2.02E-03	3.46E-02	0.00E+00	4.48E-04	3.70E-02
3.00E+01	8.95E-04	1.66E-02	0.00E+00	2.13E-04	1.77E-02
4.00E+01	4.64E-04	7.96E-03	0.00E+00	1.01E-04	8.53E-03
5.00E+01	2.49E-04	3.82E-03	0.00E+00	4.79E-05	4.12E-03
6.00E+01	1.34E-04	1.83E-03	0.00E+00	2.27E-05	1.99E-03
7.00E+01	7.27E-05	8.80E-04	0.00E+00	1.08E-05	9.63E-04
8.00E+01	3.93E-05	4.22E-04	0.00E+00	5.12E-06	4.67E-04
9.00E+01	2.12E-05	2.03E-04	0.00E+00	2.43E-06	2.26E-04
1.00E+02	1.15E-05	9.71E-05	0.00E+00	1.15E-06	1.10E-04
2.00E+02	2.41E-08	6.23E-08	0.00E+00	0.00E+00	8.64E-08

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	24-HOUR URINE	ACCUMULATED URINE	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		1.87E-03		3.55E-02
2.00E-01		2.09E-03		3.99E-02
3.00E-01		2.34E-03		4.52E-02
4.00E-01		2.59E-03		5.15E-02
5.00E-01		2.84E-03		5.86E-02
6.00E-01		3.07E-03		6.66E-02
7.00E-01		3.27E-03		7.53E-02
8.00E-01		3.46E-03		8.48E-02
9.00E-01		3.62E-03		9.49E-02
1.00E+00	3.77E-03	3.77E-03	1.06E-01	1.06E-01
2.00E+00	1.08E-03	4.63E-03	1.18E-01	2.17E-01
3.00E+00	5.59E-04	4.91E-03	8.59E-02	2.90E-01
4.00E+00	3.37E-04	4.96E-03	4.72E-02	3.20E-01
5.00E+00	2.24E-04	4.89E-03	2.39E-02	3.25E-01
6.00E+00	1.59E-04	4.77E-03	1.23E-02	3.19E-01
7.00E+00	1.20E-04	4.60E-03	6.76E-03	3.07E-01
8.00E+00	9.36E-05	4.43E-03	4.11E-03	2.93E-01
9.00E+00	7.51E-05	4.24E-03	2.78E-03	2.78E-01
1.00E+01	6.15E-05	4.05E-03	2.06E-03	2.64E-01
2.00E+01	1.37E-05	2.41E-03	5.19E-04	1.51E-01
3.00E+01	5.12E-06	1.37E-03	2.20E-04	8.46E-02
4.00E+01	2.34E-06	7.74E-04	1.03E-04	4.72E-02
5.00E+01	1.12E-06	4.34E-04	4.90E-05	2.63E-02
6.00E+01	5.47E-07	2.42E-04	2.35E-05	1.46E-02
7.00E+01	2.67E-07	1.35E-04	1.13E-05	8.06E-03
8.00E+01	1.30E-07	7.50E-05	5.42E-06	4.45E-03
9.00E+01	6.33E-08	4.16E-05	2.60E-06	2.46E-03
1.00E+02	3.08E-08	2.30E-05	1.25E-06	1.35E-03

CLASS W

AMAD = 1 MICRON

HALFLIFE= 5.84E+05 DAYS

RADIUM 226

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	3.52E-02	2.76E-01	2.35E-01	5.54E-02	6.02E-01
2.00E-01	3.64E-02	2.65E-01	1.97E-01	9.77E-02	5.97E-01
3.00E-01	3.89E-02	2.56E-01	1.66E-01	1.30E-01	5.91E-01
4.00E-01	4.12E-02	2.47E-01	1.39E-01	1.56E-01	5.84E-01
5.00E-01	4.32E-02	2.40E-01	1.17E-01	1.76E-01	5.76E-01
6.00E-01	4.47E-02	2.33E-01	9.86E-02	1.91E-01	5.67E-01
7.00E-01	4.58E-02	2.27E-01	8.29E-02	2.02E-01	5.57E-01
8.00E-01	4.66E-02	2.21E-01	6.97E-02	2.09E-01	5.47E-01
9.00E-01	4.70E-02	2.16E-01	5.86E-02	2.14E-01	5.35E-01
1.00E+00	4.71E-02	2.11E-01	4.93E-02	2.16E-01	5.23E-01
2.00E+00	4.22E-02	1.77E-01	8.72E-03	1.61E-01	3.89E-01
3.00E+00	3.51E-02	1.60E-01	1.54E-03	8.87E-02	2.85E-01
4.00E+00	2.94E-02	1.50E-01	2.72E-04	4.47E-02	2.25E-01
5.00E+00	2.50E-02	1.45E-01	4.82E-05	2.22E-02	1.92E-01
6.00E+00	2.16E-02	1.41E-01	8.51E-06	1.15E-02	1.74E-01
7.00E+00	1.89E-02	1.38E-01	1.51E-06	6.40E-03	1.63E-01
8.00E+00	1.68E-02	1.36E-01	2.66E-07	3.98E-03	1.57E-01
9.00E+00	1.49E-02	1.34E-01	4.70E-08	2.82E-03	1.52E-01
1.00E+01	1.34E-02	1.32E-01	0.00E+00	2.25E-03	1.48E-01
2.00E+01	6.79E-03	1.16E-01	0.00E+00	1.51E-03	1.25E-01
3.00E+01	5.52E-03	1.02E-01	0.00E+00	1.31E-03	1.09E-01
4.00E+01	5.25E-03	9.01E-02	0.00E+00	1.14E-03	9.64E-02
5.00E+01	5.17E-03	7.93E-02	0.00E+00	9.93E-04	8.54E-02
6.00E+01	5.11E-03	6.97E-02	0.00E+00	8.65E-04	7.57E-02
7.00E+01	5.07E-03	6.14E-02	0.00E+00	7.53E-04	6.72E-02
8.00E+01	5.02E-03	5.40E-02	0.00E+00	6.55E-04	5.97E-02
9.00E+01	4.97E-03	4.75E-02	0.00E+00	5.71E-04	5.30E-02
1.00E+02	4.93E-03	4.18E-02	0.00E+00	4.97E-04	4.72E-02
2.00E+02	4.45E-03	1.15E-02	0.00E+00	1.24E-04	1.61E-02
3.00E+02	4.04E-03	3.15E-03	0.00E+00	3.10E-05	7.22E-03
4.00E+02	3.70E-03	8.55E-04	0.00E+00	7.76E-06	4.57E-03
5.00E+02	3.43E-03	2.31E-04	0.00E+00	1.94E-06	3.66E-03
6.00E+02	3.21E-03	6.18E-05	0.00E+00	4.85E-07	3.27E-03
7.00E+02	3.03E-03	1.65E-05	0.00E+00	1.21E-07	3.04E-03
8.00E+02	2.87E-03	4.39E-06	0.00E+00	3.03E-08	2.88E-03
9.00E+02	2.75E-03	1.16E-06	0.00E+00	0.00E+00	2.75E-03
1.00E+03	2.63E-03	3.07E-07	0.00E+00	0.00E+00	2.64E-03
2.00E+03	1.99E-03	0.00E+00	0.00E+00	0.00E+00	1.99E-03
4.00E+03	1.40E-03	0.00E+00	0.00E+00	0.00E+00	1.40E-03
5.00E+03	1.22E-03	0.00E+00	0.00E+00	0.00E+00	1.22E-03
7.00E+03	9.62E-04	0.00E+00	0.00E+00	0.00E+00	9.62E-04
8.00E+03	8.64E-04	0.00E+00	0.00E+00	0.00E+00	8.64E-04
1.00E+04	7.06E-04	0.00E+00	0.00E+00	0.00E+00	7.06E-04
2.00E+04	2.87E-04	0.00E+00	0.00E+00	0.00E+00	2.87E-04

CLASS W

AMAD = 1 MICRON

HALFLIFE= 5.84E+05 DAYS

RADIUM 226

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	24-HOUR URINE	ACCUMULATED URINE	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		1.88E-03		3.57E-02
2.00E-01		2.12E-03		4.03E-02
3.00E-01		2.38E-03		4.60E-02
4.00E-01		2.66E-03		5.27E-02
5.00E-01		2.93E-03		6.04E-02
6.00E-01		3.18E-03		6.90E-02
7.00E-01		3.41E-03		7.86E-02
8.00E-01		3.63E-03		8.90E-02
9.00E-01		3.82E-03		1.00E-01
1.00E+00	4.01E-03	4.01E-03	1.12E-01	1.12E-01
2.00E+00	1.22E-03	5.22E-03	1.33E-01	2.45E-01
3.00E+00	6.70E-04	5.89E-03	1.03E-01	3.48E-01
4.00E+00	4.29E-04	6.32E-03	6.02E-02	4.08E-01
5.00E+00	3.03E-04	6.63E-03	3.24E-02	4.41E-01
6.00E+00	2.29E-04	6.86E-03	1.77E-02	4.58E-01
7.00E+00	1.83E-04	7.04E-03	1.03E-02	4.69E-01
8.00E+00	1.52E-04	7.19E-03	6.68E-03	4.75E-01
9.00E+00	1.30E-04	7.32E-03	4.80E-03	4.80E-01
1.00E+01	1.13E-04	7.43E-03	3.78E-03	4.84E-01
2.00E+01	4.62E-05	8.11E-03	1.75E-03	5.06E-01
3.00E+01	3.16E-05	8.47E-03	1.36E-03	5.21E-01
4.00E+01	2.64E-05	8.76E-03	1.16E-03	5.34E-01
5.00E+01	2.33E-05	9.00E-03	1.02E-03	5.45E-01
6.00E+01	2.08E-05	9.22E-03	8.93E-04	5.54E-01
7.00E+01	1.86E-05	9.42E-03	7.87E-04	5.62E-01
8.00E+01	1.66E-05	9.59E-03	6.93E-04	5.70E-01
9.00E+01	1.48E-05	9.75E-03	6.11E-04	5.76E-01
1.00E+02	1.33E-05	9.89E-03	5.38E-04	5.82E-01
2.00E+02	4.23E-06	1.07E-02	1.52E-04	6.12E-01
3.00E+02	1.38E-06	1.09E-02	4.40E-05	6.21E-01
4.00E+02	4.96E-07	1.10E-02	1.39E-05	6.23E-01
5.00E+02	2.21E-07	1.10E-02	5.31E-06	6.24E-01
6.00E+02	1.28E-07	1.11E-02	2.70E-06	6.24E-01
7.00E+02	9.05E-08	1.11E-02	1.79E-06	6.24E-01
8.00E+02	7.17E-08	1.11E-02	1.38E-06	6.25E-01
9.00E+02	5.98E-08	1.11E-02	1.14E-06	6.25E-01
1.00E+03	5.14E-08	1.11E-02	9.77E-07	6.25E-01
2.00E+03	2.16E-08	1.11E-02	4.10E-07	6.25E-01
3.00E+03	1.41E-08	1.11E-02	2.69E-07	6.24E-01
4.00E+03	1.03E-08	1.11E-02	1.95E-07	6.24E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	6.95E-02	2.76E-01	2.35E-01	5.72E-02	6.38E-01
2.00E-01	6.83E-02	2.65E-01	1.97E-01	1.05E-01	6.36E-01
3.00E-01	6.73E-02	2.56E-01	1.66E-01	1.45E-01	6.34E-01
4.00E-01	6.67E-02	2.47E-01	1.39E-01	1.79E-01	6.32E-01
5.00E-01	6.61E-02	2.40E-01	1.17E-01	2.06E-01	6.29E-01
6.00E-01	6.58E-02	2.33E-01	9.86E-02	2.27E-01	6.24E-01
7.00E-01	6.55E-02	2.27E-01	8.29E-02	2.43E-01	6.18E-01
8.00E-01	6.53E-02	2.21E-01	6.97E-02	2.54E-01	6.10E-01
9.00E-01	6.52E-02	2.16E-01	5.86E-02	2.61E-01	6.01E-01
1.00E+00	6.51E-02	2.11E-01	4.93E-02	2.65E-01	5.90E-01
2.00E+00	6.52E-02	1.77E-01	8.72E-03	2.03E-01	4.54E-01
3.00E+00	6.57E-02	1.60E-01	1.54E-03	1.13E-01	3.40E-01
4.00E+00	6.61E-02	1.50E-01	2.72E-04	5.72E-02	2.74E-01
5.00E+00	6.66E-02	1.44E-01	4.81E-05	2.84E-02	2.40E-01
6.00E+00	6.70E-02	1.41E-01	8.51E-06	1.46E-02	2.22E-01
7.00E+00	6.74E-02	1.38E-01	1.50E-06	8.12E-03	2.14E-01
8.00E+00	6.79E-02	1.36E-01	2.66E-07	5.03E-03	2.09E-01
9.00E+00	6.83E-02	1.34E-01	4.70E-08	3.54E-03	2.06E-01
1.00E+01	6.87E-02	1.32E-01	0.00E+00	2.81E-03	2.04E-01
2.00E+01	7.27E-02	1.16E-01	0.00E+00	1.87E-03	1.91E-01
3.00E+01	7.63E-02	1.02E-01	0.00E+00	1.62E-03	1.80E-01
4.00E+01	7.95E-02	8.97E-02	0.00E+00	1.41E-03	1.71E-01
5.00E+01	8.24E-02	7.89E-02	0.00E+00	1.23E-03	1.63E-01
6.00E+01	8.50E-02	6.94E-02	0.00E+00	1.07E-03	1.55E-01
7.00E+01	8.74E-02	6.10E-02	0.00E+00	9.29E-04	1.49E-01
8.00E+01	8.95E-02	5.36E-02	0.00E+00	8.08E-04	1.44E-01
9.00E+01	9.14E-02	4.71E-02	0.00E+00	7.03E-04	1.39E-01
1.00E+02	9.30E-02	4.14E-02	0.00E+00	6.12E-04	1.35E-01
2.00E+02	1.02E-01	1.13E-02	0.00E+00	1.52E-04	1.14E-01
3.00E+02	1.04E-01	3.07E-03	0.00E+00	3.76E-05	1.07E-01
4.00E+02	1.04E-01	8.26E-04	0.00E+00	9.31E-06	1.05E-01
5.00E+02	1.03E-01	2.21E-04	0.00E+00	2.31E-06	1.03E-01
6.00E+02	1.02E-01	5.87E-05	0.00E+00	5.72E-07	1.02E-01
7.00E+02	1.01E-01	1.55E-05	0.00E+00	1.42E-07	1.01E-01
8.00E+02	9.93E-02	4.10E-06	0.00E+00	3.51E-08	9.94E-02
9.00E+02	9.82E-02	1.08E-06	0.00E+00	0.00E+00	9.82E-02
1.00E+03	9.70E-02	2.82E-07	0.00E+00	0.00E+00	9.70E-02
2.00E+03	8.60E-02	0.00E+00	0.00E+00	0.00E+00	8.60E-02
4.00E+03	6.77E-02	0.00E+00	0.00E+00	0.00E+00	6.77E-02
5.00E+03	6.01E-02	0.00E+00	0.00E+00	0.00E+00	6.01E-02
7.00E+03	4.73E-02	0.00E+00	0.00E+00	0.00E+00	4.73E-02
8.00E+03	4.20E-02	0.00E+00	0.00E+00	0.00E+00	4.20E-02
1.00E+04	3.31E-02	0.00E+00	0.00E+00	0.00E+00	3.31E-02
2.00E+04	1.02E-02	0.00E+00	0.00E+00	0.00E+00	1.02E-02

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		1.49E-03		8.10E-06
2.00E-01		2.84E-03		1.64E-04
3.00E-01		3.87E-03		8.29E-04
4.00E-01		4.65E-03		2.42E-03
5.00E-01		5.25E-03		5.28E-03
6.00E-01		5.70E-03		9.61E-03
7.00E-01		6.05E-03		1.55E-02
8.00E-01		6.31E-03		2.30E-02
9.00E-01		6.51E-03		3.19E-02
1.00E+00	6.67E-03	6.67E-03	4.21E-02	4.21E-02
2.00E+00	5.00E-04	7.17E-03	1.35E-01	1.77E-01
3.00E+00	8.49E-05	7.25E-03	1.14E-01	2.92E-01
4.00E+00	5.58E-05	7.31E-03	6.64E-02	3.58E-01
5.00E+00	5.28E-05	7.36E-03	3.41E-02	3.92E-01
6.00E+00	5.19E-05	7.41E-03	1.71E-02	4.09E-01
7.00E+00	5.12E-05	7.46E-03	8.77E-03	4.18E-01
8.00E+00	5.07E-05	7.51E-03	4.83E-03	4.22E-01
9.00E+00	5.02E-05	7.56E-03	2.96E-03	4.25E-01
1.00E+01	4.98E-05	7.61E-03	2.06E-03	4.27E-01
2.00E+01	4.55E-05	8.08E-03	1.08E-03	4.39E-01
3.00E+01	4.16E-05	8.50E-03	9.41E-04	4.49E-01
4.00E+01	3.80E-05	8.89E-03	8.18E-04	4.57E-01
5.00E+01	3.47E-05	9.25E-03	7.12E-04	4.65E-01
6.00E+01	3.17E-05	9.57E-03	6.19E-04	4.71E-01
7.00E+01	2.89E-05	9.86E-03	5.39E-04	4.76E-01
8.00E+01	2.64E-05	1.01E-02	4.68E-04	4.81E-01
9.00E+01	2.41E-05	1.04E-02	4.07E-04	4.85E-01
1.00E+02	2.20E-05	1.06E-02	3.54E-04	4.88E-01
2.00E+02	9.56E-06	1.20E-02	8.78E-05	5.03E-01
3.00E+02	5.35E-06	1.26E-02	2.18E-05	5.03E-01
4.00E+02	4.00E-06	1.29E-02	5.39E-06	5.00E-01
5.00E+02	3.57E-06	1.32E-02	1.34E-06	4.96E-01
6.00E+02	3.41E-06	1.34E-02	3.31E-07	4.91E-01
7.00E+02	3.34E-06	1.36E-02	8.21E-08	4.87E-01
8.00E+02	3.29E-06	1.38E-02	2.03E-08	4.83E-01
9.00E+02	3.24E-06	1.40E-02	0.00E+00	4.79E-01
1.00E+03	3.20E-06	1.42E-02	0.00E+00	4.75E-01
2.00E+03	2.82E-06	1.59E-02	0.00E+00	4.35E-01
4.00E+03	2.19E-06	1.79E-02	0.00E+00	3.65E-01
8.00E+03	1.33E-06	1.84E-02	0.00E+00	2.58E-01
1.00E+04	1.03E-06	1.76E-02	0.00E+00	2.17E-01

CLASS W

AMAD = 1 MICRON

HALFLIFE= 1.87E+01 DAYS

THORIUM 227

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	6.99E-02	2.75E-01	2.34E-01	5.69E-02	6.36E-01
2.00E-01	6.90E-02	2.63E-01	1.96E-01	1.05E-01	6.33E-01
3.00E-01	6.81E-02	2.53E-01	1.64E-01	1.44E-01	6.29E-01
4.00E-01	6.73E-02	2.44E-01	1.37E-01	1.76E-01	6.24E-01
5.00E-01	6.65E-02	2.35E-01	1.15E-01	2.02E-01	6.19E-01
6.00E-01	6.59E-02	2.28E-01	9.65E-02	2.22E-01	6.12E-01
7.00E-01	6.53E-02	2.21E-01	8.08E-02	2.37E-01	6.03E-01
8.00E-01	6.48E-02	2.14E-01	6.77E-02	2.47E-01	5.94E-01
9.00E-01	6.43E-02	2.09E-01	5.67E-02	2.53E-01	5.82E-01
1.00E+00	6.38E-02	2.03E-01	4.75E-02	2.56E-01	5.70E-01
2.00E+00	6.07E-02	1.65E-01	8.10E-03	1.89E-01	4.22E-01
3.00E+00	5.86E-02	1.43E-01	1.38E-03	1.01E-01	3.04E-01
4.00E+00	5.67E-02	1.30E-01	2.35E-04	4.93E-02	2.36E-01
5.00E+00	5.50E-02	1.20E-01	4.00E-05	2.37E-02	1.99E-01
6.00E+00	5.33E-02	1.13E-01	6.82E-06	1.17E-02	1.78E-01
7.00E+00	5.17E-02	1.07E-01	1.16E-06	6.28E-03	1.65E-01
8.00E+00	5.02E-02	1.01E-01	1.98E-07	3.75E-03	1.55E-01
9.00E+00	4.86E-02	9.60E-02	3.37E-08	2.54E-03	1.47E-01
1.00E+01	4.71E-02	9.12E-02	0.00E+00	1.94E-03	1.40E-01
2.00E+01	3.44E-02	5.54E-02	0.00E+00	8.93E-04	9.07E-02
3.00E+01	2.49E-02	3.37E-02	0.00E+00	5.37E-04	5.91E-02
4.00E+01	1.79E-02	2.05E-02	0.00E+00	3.23E-04	3.87E-02
5.00E+01	1.28E-02	1.24E-02	0.00E+00	1.94E-04	2.54E-02
6.00E+01	9.11E-03	7.56E-03	0.00E+00	1.17E-04	1.68E-02
7.00E+01	6.46E-03	4.60E-03	0.00E+00	7.01E-05	1.11E-02
8.00E+01	4.56E-03	2.79E-03	0.00E+00	4.21E-05	7.39E-03
9.00E+01	3.21E-03	1.70E-03	0.00E+00	2.53E-05	4.93E-03
1.00E+02	2.26E-03	1.03E-03	0.00E+00	1.52E-05	3.30E-03
2.00E+02	6.03E-05	7.01E-06	0.00E+00	9.38E-08	6.74E-05
3.00E+02	1.50E-06	4.72E-08	0.00E+00	0.00E+00	1.55E-06
4.00E+02	3.64E-08	0.00E+00	0.00E+00	0.00E+00	3.64E-08

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		7.92E-04		1.60E-05
2.00E-01		1.60E-03		1.79E-04
3.00E-01		2.30E-03		8.43E-04
4.00E-01		2.91E-03		2.41E-03
5.00E-01		3.43E-03		5.22E-03
6.00E-01		3.88E-03		9.44E-03
7.00E-01		4.27E-03		1.52E-02
8.00E-01		4.60E-03		2.24E-02
9.00E-01		4.89E-03		3.09E-02
1.00E+00	5.14E-03	5.14E-03	4.07E-02	4.07E-02
2.00E+00	1.32E-03	6.27E-03	1.26E-01	1.65E-01
3.00E+00	3.66E-04	6.41E-03	1.02E-01	2.61E-01
4.00E+00	1.33E-04	6.31E-03	5.73E-02	3.09E-01
5.00E+00	7.51E-05	6.16E-03	2.84E-02	3.26E-01
6.00E+00	5.93E-05	5.99E-03	1.37E-02	3.28E-01
7.00E+00	5.37E-05	5.83E-03	6.77E-03	3.23E-01
8.00E+00	5.08E-05	5.67E-03	3.60E-03	3.15E-01
9.00E+00	4.85E-05	5.51E-03	2.13E-03	3.05E-01
1.00E+01	4.64E-05	5.36E-03	1.43E-03	2.96E-01
2.00E+01	3.05E-05	4.01E-03	5.18E-04	2.10E-01
3.00E+01	2.00E-05	2.97E-03	3.11E-04	1.48E-01
4.00E+01	1.32E-05	2.19E-03	1.87E-04	1.04E-01
5.00E+01	8.66E-06	1.60E-03	1.12E-04	7.33E-02
6.00E+01	5.71E-06	1.16E-03	6.76E-05	5.14E-02
7.00E+01	3.77E-06	8.42E-04	4.06E-05	3.59E-02
8.00E+01	2.49E-06	6.07E-04	2.44E-05	2.51E-02
9.00E+01	1.65E-06	4.36E-04	1.47E-05	1.75E-02
1.00E+02	1.09E-06	3.12E-04	8.83E-06	1.21E-02
2.00E+02	1.98E-08	9.98E-06	5.46E-08	3.11E-04

CLASS W

AMAD = 1 MICRON

HALFLIFE= 2.81E+07 DAYS

THORIUM 230

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	7.02E-02	2.76E-01	2.35E-01	5.72E-02	6.38E-01
2.00E-01	6.95E-02	2.65E-01	1.97E-01	1.05E-01	6.37E-01
3.00E-01	6.88E-02	2.56E-01	1.66E-01	1.46E-01	6.36E-01
4.00E-01	6.83E-02	2.47E-01	1.39E-01	1.79E-01	6.34E-01
5.00E-01	6.78E-02	2.40E-01	1.17E-01	2.06E-01	6.30E-01
6.00E-01	6.74E-02	2.33E-01	9.86E-02	2.27E-01	6.26E-01
7.00E-01	6.70E-02	2.27E-01	8.29E-02	2.43E-01	6.19E-01
8.00E-01	6.67E-02	2.21E-01	6.97E-02	2.54E-01	6.11E-01
9.00E-01	6.65E-02	2.16E-01	5.86E-02	2.61E-01	6.02E-01
1.00E+00	6.62E-02	2.11E-01	4.93E-02	2.65E-01	5.92E-01
2.00E+00	6.53E-02	1.77E-01	8.72E-03	2.04E-01	4.55E-01
3.00E+00	6.54E-02	1.60E-01	1.54E-03	1.13E-01	3.40E-01
4.00E+00	6.58E-02	1.50E-01	2.72E-04	5.72E-02	2.74E-01
5.00E+00	6.62E-02	1.45E-01	4.82E-05	2.85E-02	2.39E-01
6.00E+00	6.66E-02	1.41E-01	8.51E-06	1.47E-02	2.22E-01
7.00E+00	6.70E-02	1.38E-01	1.51E-06	8.14E-03	2.13E-01
8.00E+00	6.75E-02	1.36E-01	2.66E-07	5.04E-03	2.08E-01
9.00E+00	6.79E-02	1.34E-01	4.70E-08	3.55E-03	2.05E-01
1.00E+01	6.83E-02	1.32E-01	0.00E+00	2.82E-03	2.03E-01
2.00E+01	7.21E-02	1.16E-01	0.00E+00	1.87E-03	1.90E-01
3.00E+01	7.56E-02	1.02E-01	0.00E+00	1.63E-03	1.80E-01
4.00E+01	7.87E-02	9.01E-02	0.00E+00	1.42E-03	1.70E-01
5.00E+01	8.15E-02	7.93E-02	0.00E+00	1.23E-03	1.62E-01
6.00E+01	8.40E-02	6.98E-02	0.00E+00	1.08E-03	1.55E-01
7.00E+01	8.62E-02	6.14E-02	0.00E+00	9.36E-04	1.49E-01
8.00E+01	8.82E-02	5.40E-02	0.00E+00	8.15E-04	1.43E-01
9.00E+01	8.99E-02	4.75E-02	0.00E+00	7.09E-04	1.38E-01
1.00E+02	9.15E-02	4.18E-02	0.00E+00	6.17E-04	1.34E-01
2.00E+02	9.92E-02	1.15E-02	0.00E+00	1.54E-04	1.11E-01
3.00E+02	1.00E-01	3.15E-03	0.00E+00	3.86E-05	1.03E-01
4.00E+02	9.85E-02	8.55E-04	0.00E+00	9.65E-06	9.94E-02
5.00E+02	9.65E-02	2.31E-04	0.00E+00	2.41E-06	9.68E-02
6.00E+02	9.45E-02	6.19E-05	0.00E+00	6.03E-07	9.45E-02
7.00E+02	9.25E-02	1.65E-05	0.00E+00	1.51E-07	9.25E-02
8.00E+02	9.06E-02	4.40E-06	0.00E+00	3.77E-08	9.06E-02
9.00E+02	8.89E-02	1.16E-06	0.00E+00	0.00E+00	8.89E-02
1.00E+03	8.72E-02	3.08E-07	0.00E+00	0.00E+00	8.72E-02
2.00E+03	7.49E-02	0.00E+00	0.00E+00	0.00E+00	7.49E-02
4.00E+03	6.05E-02	0.00E+00	0.00E+00	0.00E+00	6.05E-02
5.00E+03	5.52E-02	0.00E+00	0.00E+00	0.00E+00	5.52E-02
7.00E+03	4.63E-02	0.00E+00	0.00E+00	0.00E+00	4.63E-02
8.00E+03	4.25E-02	0.00E+00	0.00E+00	0.00E+00	4.25E-02
1.00E+04	3.57E-02	0.00E+00	0.00E+00	0.00E+00	3.57E-02
2.00E+04	1.50E-02	0.00E+00	0.00E+00	0.00E+00	1.50E-02

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR URINE	ACCUMULATED URINE	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		7.95E-04		1.60E-05
2.00E-01		1.61E-03		1.80E-04
3.00E-01		2.33E-03		8.52E-04
4.00E-01		2.95E-03		2.45E-03
5.00E-01		3.49E-03		5.31E-03
6.00E-01		3.97E-03		9.65E-03
7.00E-01		4.38E-03		1.56E-02
8.00E-01		4.74E-03		2.30E-02
9.00E-01		5.06E-03		3.20E-02
1.00E+00	5.33E-03	5.33E-03	4.22E-02	4.22E-02
2.00E+00	1.42E-03	6.76E-03	1.35E-01	1.78E-01
3.00E+00	4.09E-04	7.17E-03	1.14E-01	2.92E-01
4.00E+00	1.54E-04	7.32E-03	6.65E-02	3.58E-01
5.00E+00	9.04E-05	7.41E-03	3.42E-02	3.93E-01
6.00E+00	7.40E-05	7.49E-03	1.71E-02	4.10E-01
7.00E+00	6.96E-05	7.55E-03	8.78E-03	4.18E-01
8.00E+00	6.83E-05	7.62E-03	4.84E-03	4.23E-01
9.00E+00	6.77E-05	7.69E-03	2.97E-03	4.26E-01
1.00E+01	6.72E-05	7.76E-03	2.07E-03	4.28E-01
2.00E+01	6.39E-05	8.41E-03	1.09E-03	4.41E-01
3.00E+01	6.08E-05	9.03E-03	9.45E-04	4.51E-01
4.00E+01	5.79E-05	9.63E-03	8.22E-04	4.59E-01
5.00E+01	5.52E-05	1.02E-02	7.16E-04	4.67E-01
6.00E+01	5.27E-05	1.07E-02	6.23E-04	4.74E-01
7.00E+01	5.03E-05	1.12E-02	5.43E-04	4.79E-01
8.00E+01	4.82E-05	1.17E-02	4.73E-04	4.84E-01
9.00E+01	4.62E-05	1.22E-02	4.11E-04	4.89E-01
1.00E+02	4.44E-05	1.27E-02	3.58E-04	4.93E-01
2.00E+02	3.25E-05	1.64E-02	8.98E-05	5.12E-01
3.00E+02	2.72E-05	1.94E-02	2.26E-05	5.17E-01
4.00E+02	2.43E-05	2.19E-02	5.83E-06	5.18E-01
5.00E+02	2.24E-05	2.43E-02	1.62E-06	5.18E-01
6.00E+02	2.08E-05	2.64E-02	5.57E-07	5.18E-01
7.00E+02	1.94E-05	2.84E-02	2.81E-07	5.18E-01
8.00E+02	1.82E-05	3.03E-02	2.03E-07	5.18E-01
9.00E+02	1.70E-05	3.21E-02	1.76E-07	5.19E-01
1.00E+03	1.60E-05	3.37E-02	1.61E-07	5.19E-01
2.00E+03	9.63E-06	4.60E-02	9.63E-08	5.19E-01
4.00E+03	5.68E-06	6.04E-02	5.68E-08	5.19E-01
8.00E+03	3.69E-06	7.84E-02	3.69E-08	5.19E-01
1.00E+04	3.09E-06	8.52E-02	3.09E-08	5.19E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	7.02E-02	2.76E-01	2.35E-01	5.72E-02	6.38E-01
2.00E-01	6.95E-02	2.65E-01	1.97E-01	1.05E-01	6.37E-01
3.00E-01	6.88E-02	2.56E-01	1.66E-01	1.46E-01	6.36E-01
4.00E-01	6.83E-02	2.47E-01	1.39E-01	1.79E-01	6.34E-01
5.00E-01	6.78E-02	2.40E-01	1.17E-01	2.06E-01	6.30E-01
6.00E-01	6.74E-02	2.33E-01	9.86E-02	2.27E-01	6.26E-01
7.00E-01	6.70E-02	2.27E-01	8.29E-02	2.43E-01	6.19E-01
8.00E-01	6.67E-02	2.21E-01	6.97E-02	2.54E-01	6.11E-01
9.00E-01	6.65E-02	2.16E-01	5.86E-02	2.61E-01	6.02E-01
1.00E+00	6.62E-02	2.11E-01	4.93E-02	2.65E-01	5.92E-01
2.00E+00	6.53E-02	1.77E-01	8.72E-03	2.04E-01	4.55E-01
3.00E+00	6.54E-02	1.60E-01	1.54E-03	1.13E-01	3.40E-01
4.00E+00	6.58E-02	1.50E-01	2.72E-04	5.72E-02	2.74E-01
5.00E+00	6.62E-02	1.45E-01	4.82E-05	2.85E-02	2.39E-01
6.00E+00	6.66E-02	1.41E-01	8.51E-06	1.47E-02	2.22E-01
7.00E+00	6.70E-02	1.38E-01	1.51E-06	8.14E-03	2.13E-01
8.00E+00	6.75E-02	1.36E-01	2.66E-07	5.04E-03	2.08E-01
9.00E+00	6.79E-02	1.34E-01	4.70E-08	3.55E-03	2.05E-01
1.00E+01	6.83E-02	1.32E-01	0.00E+00	2.82E-03	2.03E-01
2.00E+01	7.21E-02	1.16E-01	0.00E+00	1.87E-03	1.90E-01
3.00E+01	7.56E-02	1.02E-01	0.00E+00	1.63E-03	1.80E-01
4.00E+01	7.87E-02	9.01E-02	0.00E+00	1.42E-03	1.70E-01
5.00E+01	8.15E-02	7.93E-02	0.00E+00	1.23E-03	1.62E-01
6.00E+01	8.40E-02	6.98E-02	0.00E+00	1.08E-03	1.55E-01
7.00E+01	8.62E-02	6.14E-02	0.00E+00	9.36E-04	1.49E-01
8.00E+01	8.82E-02	5.40E-02	0.00E+00	8.15E-04	1.43E-01
9.00E+01	8.99E-02	4.75E-02	0.00E+00	7.09E-04	1.38E-01
1.00E+02	9.15E-02	4.18E-02	0.00E+00	6.17E-04	1.34E-01
2.00E+02	9.92E-02	1.15E-02	0.00E+00	1.54E-04	1.11E-01
3.00E+02	1.00E-01	3.15E-03	0.00E+00	3.86E-05	1.03E-01
4.00E+02	9.85E-02	8.55E-04	0.00E+00	9.65E-06	9.94E-02
5.00E+02	9.65E-02	2.31E-04	0.00E+00	2.41E-06	9.68E-02
6.00E+02	9.45E-02	6.19E-05	0.00E+00	6.03E-07	9.45E-02
7.00E+02	9.25E-02	1.65E-05	0.00E+00	1.51E-07	9.25E-02
8.00E+02	9.06E-02	4.40E-06	0.00E+00	3.77E-08	9.06E-02
9.00E+02	8.89E-02	1.16E-06	0.00E+00	0.00E+00	8.89E-02
1.00E+03	8.72E-02	3.08E-07	0.00E+00	0.00E+00	8.72E-02
2.00E+03	7.49E-02	0.00E+00	0.00E+00	0.00E+00	7.49E-02
4.00E+03	6.05E-02	0.00E+00	0.00E+00	0.00E+00	6.05E-02
5.00E+03	5.52E-02	0.00E+00	0.00E+00	0.00E+00	5.52E-02
7.00E+03	4.63E-02	0.00E+00	0.00E+00	0.00E+00	4.63E-02
8.00E+03	4.25E-02	0.00E+00	0.00E+00	0.00E+00	4.25E-02
1.00E+04	3.57E-02	0.00E+00	0.00E+00	0.00E+00	3.57E-02
2.00E+04	1.50E-02	0.00E+00	0.00E+00	0.00E+00	1.50E-02

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR URINE	ACCUMULATED URINE	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		7.95E-04		1.60E-05
2.00E-01		1.61E-03		1.80E-04
3.00E-01		2.33E-03		8.52E-04
4.00E-01		2.95E-03		2.45E-03
5.00E-01		3.49E-03		5.31E-03
6.00E-01		3.97E-03		9.65E-03
7.00E-01		4.38E-03		1.56E-02
8.00E-01		4.74E-03		2.30E-02
9.00E-01		5.06E-03		3.20E-02
1.00E+00	5.33E-03	5.33E-03	4.22E-02	4.22E-02
2.00E+00	1.42E-03	6.76E-03	1.35E-01	1.78E-01
3.00E+00	4.09E-04	7.17E-03	1.14E-01	2.92E-01
4.00E+00	1.54E-04	7.32E-03	6.65E-02	3.58E-01
5.00E+00	9.04E-05	7.41E-03	3.42E-02	3.93E-01
6.00E+00	7.40E-05	7.49E-03	1.71E-02	4.10E-01
7.00E+00	6.96E-05	7.55E-03	8.78E-03	4.18E-01
8.00E+00	6.83E-05	7.62E-03	4.84E-03	4.23E-01
9.00E+00	6.77E-05	7.69E-03	2.97E-03	4.26E-01
1.00E+01	6.72E-05	7.76E-03	2.07E-03	4.28E-01
2.00E+01	6.39E-05	8.41E-03	1.09E-03	4.41E-01
3.00E+01	6.08E-05	9.03E-03	9.45E-04	4.51E-01
4.00E+01	5.79E-05	9.63E-03	8.22E-04	4.59E-01
5.00E+01	5.52E-05	1.02E-02	7.16E-04	4.67E-01
6.00E+01	5.27E-05	1.07E-02	6.23E-04	4.74E-01
7.00E+01	5.03E-05	1.12E-02	5.43E-04	4.79E-01
8.00E+01	4.82E-05	1.17E-02	4.73E-04	4.84E-01
9.00E+01	4.62E-05	1.22E-02	4.11E-04	4.89E-01
1.00E+02	4.44E-05	1.27E-02	3.58E-04	4.93E-01
2.00E+02	3.25E-05	1.64E-02	8.98E-05	5.12E-01
3.00E+02	2.72E-05	1.94E-02	2.26E-05	5.17E-01
4.00E+02	2.43E-05	2.19E-02	5.83E-06	5.18E-01
5.00E+02	2.24E-05	2.43E-02	1.62E-06	5.18E-01
6.00E+02	2.08E-05	2.64E-02	5.57E-07	5.18E-01
7.00E+02	1.94E-05	2.84E-02	2.81E-07	5.18E-01
8.00E+02	1.82E-05	3.03E-02	2.03E-07	5.18E-01
9.00E+02	1.70E-05	3.21E-02	1.76E-07	5.19E-01
1.00E+03	1.60E-05	3.37E-02	1.61E-07	5.19E-01
2.00E+03	9.63E-06	4.60E-02	9.63E-08	5.19E-01
4.00E+03	5.68E-06	6.04E-02	5.68E-08	5.19E-01
8.00E+03	3.69E-06	7.85E-02	3.69E-08	5.19E-01
1.00E+04	3.10E-06	8.52E-02	3.10E-08	5.19E-01

CLASS W

AMAD = 1 MICRON

HALFLIFE= 2.41E+01 DAYS

THORIUM 234

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	7.00E-02	2.76E-01	2.34E-01	5.70E-02	6.36E-01
2.00E-01	6.91E-02	2.64E-01	1.96E-01	1.05E-01	6.34E-01
3.00E-01	6.82E-02	2.53E-01	1.64E-01	1.44E-01	6.31E-01
4.00E-01	6.75E-02	2.44E-01	1.38E-01	1.77E-01	6.27E-01
5.00E-01	6.68E-02	2.36E-01	1.16E-01	2.03E-01	6.21E-01
6.00E-01	6.62E-02	2.29E-01	9.69E-02	2.23E-01	6.15E-01
7.00E-01	6.57E-02	2.22E-01	8.13E-02	2.38E-01	6.07E-01
8.00E-01	6.52E-02	2.16E-01	6.82E-02	2.48E-01	5.97E-01
9.00E-01	6.48E-02	2.10E-01	5.71E-02	2.55E-01	5.87E-01
1.00E+00	6.44E-02	2.05E-01	4.79E-02	2.58E-01	5.75E-01
2.00E+00	6.17E-02	1.67E-01	8.23E-03	1.92E-01	4.29E-01
3.00E+00	6.00E-02	1.47E-01	1.41E-03	1.04E-01	3.12E-01
4.00E+00	5.86E-02	1.34E-01	2.43E-04	5.10E-02	2.44E-01
5.00E+00	5.73E-02	1.25E-01	4.17E-05	2.47E-02	2.07E-01
6.00E+00	5.61E-02	1.19E-01	7.16E-06	1.23E-02	1.87E-01
7.00E+00	5.48E-02	1.13E-01	1.23E-06	6.65E-03	1.74E-01
8.00E+00	5.36E-02	1.08E-01	2.11E-07	4.00E-03	1.66E-01
9.00E+00	5.24E-02	1.03E-01	3.63E-08	2.74E-03	1.59E-01
1.00E+01	5.12E-02	9.91E-02	0.00E+00	2.11E-03	1.52E-01
2.00E+01	4.06E-02	6.54E-02	0.00E+00	1.05E-03	1.07E-01
3.00E+01	3.19E-02	4.32E-02	0.00E+00	6.88E-04	7.58E-02
4.00E+01	2.49E-02	2.85E-02	0.00E+00	4.49E-04	5.39E-02
5.00E+01	1.93E-02	1.88E-02	0.00E+00	2.93E-04	3.85E-02
6.00E+01	1.50E-02	1.24E-02	0.00E+00	1.91E-04	2.76E-02
7.00E+01	1.15E-02	8.20E-03	0.00E+00	1.25E-04	1.98E-02
8.00E+01	8.83E-03	5.41E-03	0.00E+00	8.16E-05	1.43E-02
9.00E+01	6.76E-03	3.57E-03	0.00E+00	5.33E-05	1.04E-02
1.00E+02	5.16E-03	2.35E-03	0.00E+00	3.48E-05	7.55E-03
2.00E+02	3.15E-04	3.66E-05	0.00E+00	4.90E-07	3.52E-04
3.00E+02	1.79E-05	5.64E-07	0.00E+00	0.00E+00	1.85E-05
4.00E+02	9.94E-07	0.00E+00	0.00E+00	0.00E+00	9.94E-07
5.00E+02	5.49E-08	0.00E+00	0.00E+00	0.00E+00	5.49E-08

CLASS W

AMAD = 1 MICRON

HALFLIFE= 2.41E+01 DAYS

THORIUM 234

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR URINE	ACCUMULATED URINE	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		7.93E-04		1.60E-05
2.00E-01		1.60E-03		1.79E-04
3.00E-01		2.31E-03		8.45E-04
4.00E-01		2.92E-03		2.42E-03
5.00E-01		3.44E-03		5.24E-03
6.00E-01		3.90E-03		9.49E-03
7.00E-01		4.29E-03		1.53E-02
8.00E-01		4.63E-03		2.25E-02
9.00E-01		4.93E-03		3.11E-02
1.00E+00	5.18E-03	5.18E-03	4.10E-02	4.10E-02
2.00E+00	1.35E-03	6.38E-03	1.28E-01	1.68E-01
3.00E+00	3.75E-04	6.57E-03	1.05E-01	2.68E-01
4.00E+00	1.38E-04	6.53E-03	5.92E-02	3.19E-01
5.00E+00	7.83E-05	6.42E-03	2.96E-02	3.40E-01
6.00E+00	6.23E-05	6.30E-03	1.44E-02	3.45E-01
7.00E+00	5.69E-05	6.18E-03	7.18E-03	3.42E-01
8.00E+00	5.42E-05	6.06E-03	3.84E-03	3.36E-01
9.00E+00	5.22E-05	5.94E-03	2.29E-03	3.29E-01
1.00E+01	5.04E-05	5.82E-03	1.55E-03	3.21E-01
2.00E+01	3.59E-05	4.73E-03	6.11E-04	2.48E-01
3.00E+01	2.57E-05	3.81E-03	3.99E-04	1.90E-01
4.00E+01	1.83E-05	3.05E-03	2.60E-04	1.45E-01
5.00E+01	1.31E-05	2.42E-03	1.70E-04	1.11E-01
6.00E+01	9.38E-06	1.91E-03	1.11E-04	8.43E-02
7.00E+01	6.72E-06	1.50E-03	7.25E-05	6.40E-02
8.00E+01	4.83E-06	1.18E-03	4.73E-05	4.85E-02
9.00E+01	3.47E-06	9.17E-04	3.09E-05	3.67E-02
1.00E+02	2.50E-06	7.13E-04	2.02E-05	2.78E-02
2.00E+02	1.03E-07	5.21E-05	2.85E-07	1.63E-03

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	6.45E-02	2.76E-01	2.35E-01	5.72E-02	6.33E-01
2.00E-01	5.88E-02	2.65E-01	1.97E-01	1.05E-01	6.27E-01
3.00E-01	5.43E-02	2.56E-01	1.66E-01	1.45E-01	6.21E-01
4.00E-01	5.10E-02	2.47E-01	1.39E-01	1.79E-01	6.16E-01
5.00E-01	4.85E-02	2.40E-01	1.17E-01	2.06E-01	6.11E-01
6.00E-01	4.65E-02	2.33E-01	9.86E-02	2.27E-01	6.05E-01
7.00E-01	4.51E-02	2.27E-01	8.29E-02	2.43E-01	5.97E-01
8.00E-01	4.40E-02	2.21E-01	6.97E-02	2.54E-01	5.88E-01
9.00E-01	4.31E-02	2.16E-01	5.86E-02	2.61E-01	5.79E-01
1.00E+00	4.25E-02	2.11E-01	4.93E-02	2.65E-01	5.68E-01
2.00E+00	4.04E-02	1.77E-01	8.72E-03	2.03E-01	4.30E-01
3.00E+00	4.00E-02	1.60E-01	1.54E-03	1.13E-01	3.15E-01
4.00E+00	3.98E-02	1.50E-01	2.72E-04	5.72E-02	2.48E-01
5.00E+00	3.97E-02	1.45E-01	4.82E-05	2.85E-02	2.13E-01
6.00E+00	3.95E-02	1.41E-01	8.51E-06	1.47E-02	1.95E-01
7.00E+00	3.94E-02	1.38E-01	1.51E-06	8.13E-03	1.86E-01
8.00E+00	3.93E-02	1.36E-01	2.66E-07	5.03E-03	1.80E-01
9.00E+00	3.92E-02	1.34E-01	4.70E-08	3.54E-03	1.77E-01
1.00E+01	3.91E-02	1.32E-01	0.00E+00	2.81E-03	1.74E-01
2.00E+01	3.89E-02	1.16E-01	0.00E+00	1.87E-03	1.57E-01
3.00E+01	3.94E-02	1.02E-01	0.00E+00	1.63E-03	1.43E-01
4.00E+01	4.02E-02	9.01E-02	0.00E+00	1.42E-03	1.32E-01
5.00E+01	4.10E-02	7.93E-02	0.00E+00	1.23E-03	1.22E-01
6.00E+01	4.19E-02	6.98E-02	0.00E+00	1.07E-03	1.13E-01
7.00E+01	4.27E-02	6.14E-02	0.00E+00	9.35E-04	1.05E-01
8.00E+01	4.34E-02	5.40E-02	0.00E+00	8.14E-04	9.82E-02
9.00E+01	4.40E-02	4.75E-02	0.00E+00	7.09E-04	9.22E-02
1.00E+02	4.46E-02	4.18E-02	0.00E+00	6.17E-04	8.70E-02
2.00E+02	4.75E-02	1.15E-02	0.00E+00	1.54E-04	5.92E-02
3.00E+02	4.82E-02	3.15E-03	0.00E+00	3.86E-05	5.14E-02
4.00E+02	4.82E-02	8.55E-04	0.00E+00	9.64E-06	4.91E-02
5.00E+02	4.81E-02	2.31E-04	0.00E+00	2.41E-06	4.84E-02
6.00E+02	4.80E-02	6.19E-05	0.00E+00	6.02E-07	4.81E-02
7.00E+02	4.79E-02	1.65E-05	0.00E+00	1.51E-07	4.80E-02
8.00E+02	4.78E-02	4.40E-06	0.00E+00	3.77E-08	4.78E-02
9.00E+02	4.77E-02	1.16E-06	0.00E+00	0.00E+00	4.77E-02
1.00E+03	4.77E-02	3.08E-07	0.00E+00	0.00E+00	4.77E-02
2.00E+03	4.68E-02	0.00E+00	0.00E+00	0.00E+00	4.68E-02
3.00E+03	4.59E-02	0.00E+00	0.00E+00	0.00E+00	4.59E-02
4.00E+03	4.50E-02	0.00E+00	0.00E+00	0.00E+00	4.50E-02
5.00E+03	4.42E-02	0.00E+00	0.00E+00	0.00E+00	4.42E-02
7.00E+03	4.25E-02	0.00E+00	0.00E+00	0.00E+00	4.25E-02
8.00E+03	4.17E-02	0.00E+00	0.00E+00	0.00E+00	4.17E-02
9.00E+03	4.09E-02	0.00E+00	0.00E+00	0.00E+00	4.09E-02
1.00E+04	4.01E-02	0.00E+00	0.00E+00	0.00E+00	4.01E-02
2.00E+04	3.32E-02	0.00E+00	0.00E+00	0.00E+00	3.32E-02

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		6.48E-03		8.10E-06
2.00E-01		1.24E-02		1.64E-04
3.00E-01		1.69E-02		8.29E-04
4.00E-01		2.03E-02		2.42E-03
5.00E-01		2.29E-02		5.28E-03
6.00E-01		2.49E-02		9.61E-03
7.00E-01		2.65E-02		1.55E-02
8.00E-01		2.77E-02		2.30E-02
9.00E-01		2.86E-02		3.19E-02
1.00E+00	2.93E-02	2.93E-02	4.21E-02	4.21E-02
2.00E+00	2.69E-03	3.20E-02	1.35E-01	1.77E-01
3.00E+00	8.71E-04	3.29E-02	1.14E-01	2.92E-01
4.00E+00	7.18E-04	3.36E-02	6.64E-02	3.58E-01
5.00E+00	6.79E-04	3.43E-02	3.41E-02	3.92E-01
6.00E+00	6.51E-04	3.49E-02	1.71E-02	4.09E-01
7.00E+00	6.26E-04	3.56E-02	8.77E-03	4.18E-01
8.00E+00	6.02E-04	3.62E-02	4.83E-03	4.23E-01
9.00E+00	5.80E-04	3.67E-02	2.96E-03	4.26E-01
1.00E+01	5.60E-04	3.73E-02	2.07E-03	4.28E-01
2.00E+01	4.11E-04	4.20E-02	1.08E-03	4.40E-01
3.00E+01	3.25E-04	4.56E-02	9.43E-04	4.50E-01
4.00E+01	2.71E-04	4.85E-02	8.21E-04	4.59E-01
5.00E+01	2.35E-04	5.10E-02	7.15E-04	4.67E-01
7.00E+01	1.86E-04	5.52E-02	5.42E-04	4.79E-01
8.00E+01	1.67E-04	5.69E-02	4.72E-04	4.84E-01
9.00E+01	1.51E-04	5.85E-02	4.11E-04	4.88E-01
1.00E+02	1.37E-04	6.00E-02	3.57E-04	4.92E-01
2.00E+02	4.95E-05	6.85E-02	8.94E-05	5.11E-01
3.00E+02	1.74E-05	7.16E-02	2.23E-05	5.16E-01
4.00E+02	6.35E-06	7.27E-02	5.59E-06	5.17E-01
5.00E+02	2.67E-06	7.31E-02	1.40E-06	5.18E-01
7.00E+02	1.09E-06	7.34E-02	8.73E-08	5.18E-01
8.00E+02	9.64E-07	7.35E-02	2.18E-08	5.18E-01
9.00E+02	9.25E-07	7.36E-02	0.00E+00	5.18E-01
1.00E+03	9.11E-07	7.37E-02	0.00E+00	5.18E-01
2.00E+03	8.88E-07	7.46E-02	0.00E+00	5.18E-01
3.00E+03	8.72E-07	7.55E-02	0.00E+00	5.18E-01
4.00E+03	8.55E-07	7.63E-02	0.00E+00	5.18E-01
5.00E+03	8.39E-07	7.72E-02	0.00E+00	5.18E-01
7.00E+03	8.08E-07	7.88E-02	0.00E+00	5.18E-01
8.00E+03	7.92E-07	7.96E-02	0.00E+00	5.18E-01
9.00E+03	7.77E-07	8.04E-02	0.00E+00	5.18E-01
1.00E+04	7.63E-07	8.11E-02	0.00E+00	5.17E-01
2.00E+04	6.30E-07	8.80E-02	0.00E+00	5.17E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	6.44E-02	2.76E-01	2.35E-01	5.68E-02	6.32E-01
2.00E-01	5.91E-02	2.65E-01	1.97E-01	1.04E-01	6.25E-01
3.00E-01	5.54E-02	2.56E-01	1.66E-01	1.42E-01	6.19E-01
4.00E-01	5.26E-02	2.47E-01	1.39E-01	1.73E-01	6.13E-01
5.00E-01	5.04E-02	2.40E-01	1.17E-01	1.99E-01	6.06E-01
6.00E-01	4.87E-02	2.33E-01	9.86E-02	2.18E-01	5.98E-01
7.00E-01	4.72E-02	2.27E-01	8.29E-02	2.33E-01	5.90E-01
8.00E-01	4.60E-02	2.21E-01	6.97E-02	2.43E-01	5.80E-01
9.00E-01	4.49E-02	2.16E-01	5.86E-02	2.50E-01	5.69E-01
1.00E+00	4.39E-02	2.11E-01	4.93E-02	2.53E-01	5.57E-01
2.00E+00	3.85E-02	1.77E-01	8.72E-03	1.93E-01	4.17E-01
3.00E+00	3.58E-02	1.60E-01	1.54E-03	1.07E-01	3.04E-01
4.00E+00	3.36E-02	1.50E-01	2.72E-04	5.40E-02	2.38E-01
5.00E+00	3.18E-02	1.45E-01	4.82E-05	2.69E-02	2.03E-01
6.00E+00	3.00E-02	1.41E-01	8.51E-06	1.39E-02	1.85E-01
7.00E+00	2.85E-02	1.38E-01	1.51E-06	7.70E-03	1.74E-01
8.00E+00	2.70E-02	1.36E-01	2.66E-07	4.77E-03	1.68E-01
9.00E+00	2.57E-02	1.34E-01	4.70E-08	3.36E-03	1.63E-01
1.00E+01	2.45E-02	1.32E-01	0.00E+00	2.67E-03	1.59E-01
2.00E+01	1.66E-02	1.16E-01	0.00E+00	1.78E-03	1.35E-01
3.00E+01	1.27E-02	1.02E-01	0.00E+00	1.55E-03	1.17E-01
4.00E+01	1.05E-02	9.01E-02	0.00E+00	1.35E-03	1.02E-01
5.00E+01	9.03E-03	7.93E-02	0.00E+00	1.17E-03	8.95E-02
6.00E+01	7.98E-03	6.98E-02	0.00E+00	1.02E-03	7.88E-02
7.00E+01	7.19E-03	6.14E-02	0.00E+00	8.90E-04	6.95E-02
8.00E+01	6.59E-03	5.40E-02	0.00E+00	7.75E-04	6.14E-02
9.00E+01	6.11E-03	4.75E-02	0.00E+00	6.75E-04	5.43E-02
1.00E+02	5.73E-03	4.18E-02	0.00E+00	5.87E-04	4.81E-02
2.00E+02	4.06E-03	1.15E-02	0.00E+00	1.47E-04	1.57E-02
3.00E+02	3.58E-03	3.15E-03	0.00E+00	3.67E-05	6.77E-03
4.00E+02	3.39E-03	8.55E-04	0.00E+00	9.18E-06	4.26E-03
5.00E+02	3.30E-03	2.31E-04	0.00E+00	2.29E-06	3.54E-03
6.00E+02	3.24E-03	6.19E-05	0.00E+00	5.74E-07	3.30E-03
7.00E+02	3.19E-03	1.65E-05	0.00E+00	1.43E-07	3.21E-03
8.00E+02	3.14E-03	4.40E-06	0.00E+00	3.58E-08	3.15E-03
9.00E+02	3.10E-03	1.16E-06	0.00E+00	0.00E+00	3.10E-03
1.00E+03	3.05E-03	3.08E-07	0.00E+00	0.00E+00	3.05E-03
3.00E+03	2.28E-03	0.00E+00	0.00E+00	0.00E+00	2.28E-03
5.00E+03	1.71E-03	0.00E+00	0.00E+00	0.00E+00	1.71E-03
7.00E+03	1.29E-03	0.00E+00	0.00E+00	0.00E+00	1.29E-03
9.00E+03	9.76E-04	0.00E+00	0.00E+00	0.00E+00	9.76E-04
1.00E+04	8.49E-04	0.00E+00	0.00E+00	0.00E+00	8.49E-04

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR URINE	ACCUMULATED URINE	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		6.93E-03		8.06E-06
2.00E-01		1.37E-02		1.62E-04
3.00E-01		1.92E-02		8.17E-04
4.00E-01		2.40E-02		2.38E-03
5.00E-01		2.80E-02		5.16E-03
6.00E-01		3.15E-02		9.38E-03
7.00E-01		3.44E-02		1.51E-02
8.00E-01		3.70E-02		2.23E-02
9.00E-01		3.93E-02		3.09E-02
1.00E+00	4.13E-02	4.13E-02	4.07E-02	4.07E-02
2.00E+00	1.09E-02	5.21E-02	1.29E-01	1.70E-01
3.00E+00	4.72E-03	5.69E-02	1.08E-01	2.78E-01
4.00E+00	3.22E-03	6.01E-02	6.28E-02	3.41E-01
5.00E+00	2.69E-03	6.28E-02	3.23E-02	3.73E-01
6.00E+00	2.40E-03	6.52E-02	1.61E-02	3.89E-01
7.00E+00	2.19E-03	6.74E-02	8.29E-03	3.98E-01
8.00E+00	2.02E-03	6.94E-02	4.57E-03	4.02E-01
9.00E+00	1.88E-03	7.13E-02	2.81E-03	4.05E-01
1.00E+01	1.75E-03	7.30E-02	1.96E-03	4.07E-01
2.00E+01	1.03E-03	8.60E-02	1.03E-03	4.19E-01
3.00E+01	7.28E-04	9.44E-02	8.97E-04	4.28E-01
4.00E+01	5.75E-04	1.01E-01	7.81E-04	4.36E-01
5.00E+01	4.80E-04	1.06E-01	6.80E-04	4.44E-01
6.00E+01	4.11E-04	1.10E-01	5.92E-04	4.50E-01
7.00E+01	3.57E-04	1.14E-01	5.15E-04	4.55E-01
8.00E+01	3.12E-04	1.18E-01	4.48E-04	4.60E-01
9.00E+01	2.75E-04	1.20E-01	3.90E-04	4.64E-01
1.00E+02	2.43E-04	1.23E-01	3.40E-04	4.68E-01
2.00E+02	7.49E-05	1.37E-01	8.50E-05	4.86E-01
3.00E+02	2.33E-05	1.41E-01	2.12E-05	4.91E-01
4.00E+02	7.28E-06	1.43E-01	5.31E-06	4.92E-01
5.00E+02	2.46E-06	1.43E-01	1.33E-06	4.92E-01
6.00E+02	1.05E-06	1.43E-01	3.32E-07	4.92E-01
7.00E+02	6.35E-07	1.44E-01	8.30E-08	4.92E-01
8.00E+02	5.13E-07	1.44E-01	2.07E-08	4.92E-01
9.00E+02	4.74E-07	1.44E-01	0.00E+00	4.92E-01
1.00E+03	4.58E-07	1.44E-01	0.00E+00	4.92E-01
3.00E+03	3.28E-07	1.44E-01	0.00E+00	4.92E-01
5.00E+03	2.42E-07	1.45E-01	0.00E+00	4.92E-01
7.00E+03	1.81E-07	1.45E-01	0.00E+00	4.92E-01
9.00E+03	1.36E-07	1.46E-01	0.00E+00	4.92E-01
1.00E+04	1.18E-07	1.46E-01	0.00E+00	4.92E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	6.44E-02	2.76E-01	2.35E-01	5.68E-02	6.32E-01
2.00E-01	5.91E-02	2.65E-01	1.97E-01	1.04E-01	6.25E-01
3.00E-01	5.54E-02	2.56E-01	1.66E-01	1.42E-01	6.19E-01
4.00E-01	5.26E-02	2.47E-01	1.39E-01	1.73E-01	6.13E-01
5.00E-01	5.04E-02	2.40E-01	1.17E-01	1.99E-01	6.06E-01
6.00E-01	4.87E-02	2.33E-01	9.86E-02	2.18E-01	5.98E-01
7.00E-01	4.72E-02	2.27E-01	8.29E-02	2.33E-01	5.90E-01
8.00E-01	4.60E-02	2.21E-01	6.97E-02	2.43E-01	5.80E-01
9.00E-01	4.49E-02	2.16E-01	5.86E-02	2.50E-01	5.69E-01
1.00E+00	4.39E-02	2.11E-01	4.93E-02	2.53E-01	5.57E-01
2.00E+00	3.85E-02	1.77E-01	8.72E-03	1.93E-01	4.17E-01
3.00E+00	3.58E-02	1.60E-01	1.54E-03	1.07E-01	3.04E-01
4.00E+00	3.36E-02	1.50E-01	2.72E-04	5.40E-02	2.38E-01
5.00E+00	3.18E-02	1.45E-01	4.82E-05	2.69E-02	2.03E-01
6.00E+00	3.00E-02	1.41E-01	8.51E-06	1.39E-02	1.85E-01
7.00E+00	2.85E-02	1.38E-01	1.51E-06	7.70E-03	1.74E-01
8.00E+00	2.70E-02	1.36E-01	2.66E-07	4.77E-03	1.68E-01
9.00E+00	2.57E-02	1.34E-01	4.70E-08	3.36E-03	1.63E-01
1.00E+01	2.45E-02	1.32E-01	0.00E+00	2.67E-03	1.59E-01
2.00E+01	1.66E-02	1.16E-01	0.00E+00	1.78E-03	1.35E-01
3.00E+01	1.27E-02	1.02E-01	0.00E+00	1.55E-03	1.17E-01
4.00E+01	1.05E-02	9.01E-02	0.00E+00	1.35E-03	1.02E-01
5.00E+01	9.03E-03	7.93E-02	0.00E+00	1.17E-03	8.95E-02
6.00E+01	7.98E-03	6.98E-02	0.00E+00	1.02E-03	7.88E-02
7.00E+01	7.19E-03	6.14E-02	0.00E+00	8.90E-04	6.95E-02
8.00E+01	6.59E-03	5.40E-02	0.00E+00	7.75E-04	6.14E-02
9.00E+01	6.11E-03	4.75E-02	0.00E+00	6.75E-04	5.43E-02
1.00E+02	5.73E-03	4.18E-02	0.00E+00	5.87E-04	4.81E-02
2.00E+02	4.06E-03	1.15E-02	0.00E+00	1.47E-04	1.57E-02
3.00E+02	3.58E-03	3.15E-03	0.00E+00	3.67E-05	6.77E-03
4.00E+02	3.39E-03	8.55E-04	0.00E+00	9.18E-06	4.26E-03
5.00E+02	3.30E-03	2.31E-04	0.00E+00	2.29E-06	3.54E-03
6.00E+02	3.24E-03	6.19E-05	0.00E+00	5.74E-07	3.31E-03
7.00E+02	3.19E-03	1.65E-05	0.00E+00	1.43E-07	3.21E-03
8.00E+02	3.14E-03	4.40E-06	0.00E+00	3.58E-08	3.15E-03
9.00E+02	3.10E-03	1.16E-06	0.00E+00	0.00E+00	3.10E-03
1.00E+03	3.05E-03	3.08E-07	0.00E+00	0.00E+00	3.05E-03
3.00E+03	2.28E-03	0.00E+00	0.00E+00	0.00E+00	2.28E-03
5.00E+03	1.71E-03	0.00E+00	0.00E+00	0.00E+00	1.71E-03
7.00E+03	1.29E-03	0.00E+00	0.00E+00	0.00E+00	1.29E-03
9.00E+03	9.76E-04	0.00E+00	0.00E+00	0.00E+00	9.76E-04
1.00E+04	8.49E-04	0.00E+00	0.00E+00	0.00E+00	8.49E-04

CLASS W

AMAD = 1 MICRON

HALFLIFE= 2.57E+11 DAYS

URANIUM 235

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	24-HOUR URINE	ACCUMULATED URINE	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		6.93E-03		8.06E-06
2.00E-01		1.37E-02		1.62E-04
3.00E-01		1.92E-02		8.17E-04
4.00E-01		2.40E-02		2.38E-03
5.00E-01		2.80E-02		5.16E-03
6.00E-01		3.15E-02		9.38E-03
7.00E-01		3.44E-02		1.51E-02
8.00E-01		3.70E-02		2.23E-02
9.00E-01		3.93E-02		3.09E-02
1.00E+00	4.13E-02	4.13E-02	4.07E-02	4.07E-02
2.00E+00	1.09E-02	5.21E-02	1.29E-01	1.70E-01
3.00E+00	4.72E-03	5.69E-02	1.08E-01	2.78E-01
4.00E+00	3.22E-03	6.01E-02	6.28E-02	3.41E-01
5.00E+00	2.69E-03	6.28E-02	3.23E-02	3.73E-01
6.00E+00	2.40E-03	6.52E-02	1.61E-02	3.89E-01
7.00E+00	2.19E-03	6.74E-02	8.29E-03	3.98E-01
8.00E+00	2.02E-03	6.94E-02	4.57E-03	4.02E-01
9.00E+00	1.88E-03	7.13E-02	2.81E-03	4.05E-01
1.00E+01	1.75E-03	7.30E-02	1.96E-03	4.07E-01
2.00E+01	1.03E-03	8.60E-02	1.03E-03	4.19E-01
3.00E+01	7.28E-04	9.44E-02	8.97E-04	4.28E-01
4.00E+01	5.75E-04	1.01E-01	7.81E-04	4.36E-01
5.00E+01	4.80E-04	1.06E-01	6.80E-04	4.44E-01
6.00E+01	4.11E-04	1.10E-01	5.92E-04	4.50E-01
7.00E+01	3.57E-04	1.14E-01	5.15E-04	4.55E-01
8.00E+01	3.12E-04	1.18E-01	4.48E-04	4.60E-01
9.00E+01	2.75E-04	1.20E-01	3.90E-04	4.64E-01
1.00E+02	2.43E-04	1.23E-01	3.40E-04	4.68E-01
2.00E+02	7.49E-05	1.37E-01	8.50E-05	4.86E-01
3.00E+02	2.33E-05	1.41E-01	2.12E-05	4.91E-01
4.00E+02	7.28E-06	1.43E-01	5.31E-06	4.92E-01
5.00E+02	2.46E-06	1.43E-01	1.33E-06	4.92E-01
6.00E+02	1.05E-06	1.43E-01	3.32E-07	4.92E-01
7.00E+02	6.35E-07	1.44E-01	8.30E-08	4.92E-01
8.00E+02	5.13E-07	1.44E-01	2.07E-08	4.92E-01
9.00E+02	4.74E-07	1.44E-01	0.00E+00	4.92E-01
1.00E+03	4.58E-07	1.44E-01	0.00E+00	4.92E-01
3.00E+03	3.28E-07	1.44E-01	0.00E+00	4.92E-01
5.00E+03	2.42E-07	1.45E-01	0.00E+00	4.92E-01
7.00E+03	1.81E-07	1.45E-01	0.00E+00	4.92E-01
9.00E+03	1.36E-07	1.46E-01	0.00E+00	4.92E-01
1.00E+04	1.18E-07	1.46E-01	0.00E+00	4.92E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	6.44E-02	2.76E-01	2.35E-01	5.68E-02	6.32E-01
2.00E-01	5.91E-02	2.65E-01	1.97E-01	1.04E-01	6.25E-01
3.00E-01	5.54E-02	2.56E-01	1.66E-01	1.42E-01	6.19E-01
4.00E-01	5.26E-02	2.47E-01	1.39E-01	1.73E-01	6.13E-01
5.00E-01	5.04E-02	2.40E-01	1.17E-01	1.99E-01	6.06E-01
6.00E-01	4.87E-02	2.33E-01	9.86E-02	2.18E-01	5.98E-01
7.00E-01	4.72E-02	2.27E-01	8.29E-02	2.33E-01	5.90E-01
8.00E-01	4.60E-02	2.21E-01	6.97E-02	2.43E-01	5.80E-01
9.00E-01	4.49E-02	2.16E-01	5.86E-02	2.50E-01	5.69E-01
1.00E+00	4.39E-02	2.11E-01	4.93E-02	2.53E-01	5.57E-01
2.00E+00	3.85E-02	1.77E-01	8.72E-03	1.93E-01	4.17E-01
3.00E+00	3.58E-02	1.60E-01	1.54E-03	1.07E-01	3.04E-01
4.00E+00	3.36E-02	1.50E-01	2.72E-04	5.40E-02	2.38E-01
5.00E+00	3.18E-02	1.45E-01	4.82E-05	2.69E-02	2.03E-01
6.00E+00	3.00E-02	1.41E-01	8.51E-06	1.39E-02	1.85E-01
7.00E+00	2.85E-02	1.38E-01	1.51E-06	7.70E-03	1.74E-01
8.00E+00	2.70E-02	1.36E-01	2.66E-07	4.77E-03	1.68E-01
9.00E+00	2.57E-02	1.34E-01	4.70E-08	3.36E-03	1.63E-01
1.00E+01	2.45E-02	1.32E-01	0.00E+00	2.67E-03	1.59E-01
2.00E+01	1.66E-02	1.16E-01	0.00E+00	1.78E-03	1.35E-01
3.00E+01	1.27E-02	1.02E-01	0.00E+00	1.55E-03	1.17E-01
4.00E+01	1.05E-02	9.01E-02	0.00E+00	1.35E-03	1.02E-01
5.00E+01	9.03E-03	7.93E-02	0.00E+00	1.17E-03	8.95E-02
6.00E+01	7.98E-03	6.98E-02	0.00E+00	1.02E-03	7.88E-02
7.00E+01	7.19E-03	6.14E-02	0.00E+00	8.90E-04	6.95E-02
8.00E+01	6.59E-03	5.40E-02	0.00E+00	7.75E-04	6.14E-02
9.00E+01	6.11E-03	4.75E-02	0.00E+00	6.75E-04	5.43E-02
1.00E+02	5.73E-03	4.18E-02	0.00E+00	5.87E-04	4.81E-02
2.00E+02	4.06E-03	1.15E-02	0.00E+00	1.47E-04	1.57E-02
3.00E+02	3.58E-03	3.15E-03	0.00E+00	3.67E-05	6.77E-03
4.00E+02	3.39E-03	8.55E-04	0.00E+00	9.18E-06	4.26E-03
5.00E+02	3.30E-03	2.31E-04	0.00E+00	2.29E-06	3.54E-03
6.00E+02	3.24E-03	6.19E-05	0.00E+00	5.74E-07	3.31E-03
7.00E+02	3.19E-03	1.65E-05	0.00E+00	1.43E-07	3.21E-03
8.00E+02	3.14E-03	4.40E-06	0.00E+00	3.58E-08	3.15E-03
9.00E+02	3.10E-03	1.16E-06	0.00E+00	0.00E+00	3.10E-03
1.00E+03	3.05E-03	3.08E-07	0.00E+00	0.00E+00	3.05E-03
3.00E+03	2.28E-03	0.00E+00	0.00E+00	0.00E+00	2.28E-03
5.00E+03	1.71E-03	0.00E+00	0.00E+00	0.00E+00	1.71E-03
7.00E+03	1.29E-03	0.00E+00	0.00E+00	0.00E+00	1.29E-03
9.00E+03	9.76E-04	0.00E+00	0.00E+00	0.00E+00	9.76E-04
1.00E+04	8.49E-04	0.00E+00	0.00E+00	0.00E+00	8.49E-04

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	24-HOUR URINE	ACCUMULATED URINE	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		6.93E-03		8.06E-06
2.00E-01		1.37E-02		1.62E-04
3.00E-01		1.92E-02		8.17E-04
4.00E-01		2.40E-02		2.38E-03
5.00E-01		2.80E-02		5.16E-03
6.00E-01		3.15E-02		9.38E-03
7.00E-01		3.44E-02		1.51E-02
8.00E-01		3.70E-02		2.23E-02
9.00E-01		3.93E-02		3.09E-02
1.00E+00	4.13E-02	4.13E-02	4.07E-02	4.07E-02
2.00E+00	1.09E-02	5.21E-02	1.29E-01	1.70E-01
3.00E+00	4.72E-03	5.69E-02	1.08E-01	2.78E-01
4.00E+00	3.22E-03	6.01E-02	6.28E-02	3.41E-01
5.00E+00	2.69E-03	6.28E-02	3.23E-02	3.73E-01
6.00E+00	2.40E-03	6.52E-02	1.61E-02	3.89E-01
7.00E+00	2.19E-03	6.74E-02	8.29E-03	3.98E-01
8.00E+00	2.02E-03	6.94E-02	4.57E-03	4.02E-01
9.00E+00	1.88E-03	7.13E-02	2.81E-03	4.05E-01
1.00E+01	1.75E-03	7.30E-02	1.96E-03	4.07E-01
2.00E+01	1.03E-03	8.60E-02	1.03E-03	4.19E-01
3.00E+01	7.28E-04	9.44E-02	8.97E-04	4.28E-01
4.00E+01	5.75E-04	1.01E-01	7.81E-04	4.36E-01
5.00E+01	4.80E-04	1.06E-01	6.80E-04	4.44E-01
6.00E+01	4.11E-04	1.10E-01	5.92E-04	4.50E-01
7.00E+01	3.57E-04	1.14E-01	5.15E-04	4.55E-01
8.00E+01	3.12E-04	1.18E-01	4.48E-04	4.60E-01
9.00E+01	2.75E-04	1.20E-01	3.90E-04	4.64E-01
1.00E+02	2.43E-04	1.23E-01	3.40E-04	4.68E-01
2.00E+02	7.49E-05	1.37E-01	8.50E-05	4.86E-01
3.00E+02	2.33E-05	1.41E-01	2.12E-05	4.91E-01
4.00E+02	7.28E-06	1.43E-01	5.31E-06	4.92E-01
5.00E+02	2.46E-06	1.43E-01	1.33E-06	4.92E-01
6.00E+02	1.05E-06	1.43E-01	3.32E-07	4.92E-01
7.00E+02	6.35E-07	1.44E-01	8.30E-08	4.92E-01
8.00E+02	5.13E-07	1.44E-01	2.07E-08	4.92E-01
9.00E+02	4.74E-07	1.44E-01	0.00E+00	4.92E-01
1.00E+03	4.58E-07	1.44E-01	0.00E+00	4.92E-01
3.00E+03	3.28E-07	1.44E-01	0.00E+00	4.92E-01
5.00E+03	2.42E-07	1.45E-01	0.00E+00	4.92E-01
7.00E+03	1.81E-07	1.45E-01	0.00E+00	4.92E-01
9.00E+03	1.36E-07	1.46E-01	0.00E+00	4.92E-01
1.00E+04	1.18E-07	1.46E-01	0.00E+00	4.92E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	6.96E-02	2.76E-01	2.35E-01	5.71E-02	6.38E-01
2.00E-01	6.86E-02	2.65E-01	1.97E-01	1.05E-01	6.36E-01
3.00E-01	6.79E-02	2.56E-01	1.66E-01	1.45E-01	6.34E-01
4.00E-01	6.76E-02	2.47E-01	1.39E-01	1.78E-01	6.32E-01
5.00E-01	6.74E-02	2.40E-01	1.17E-01	2.04E-01	6.29E-01
6.00E-01	6.73E-02	2.33E-01	9.86E-02	2.25E-01	6.24E-01
7.00E-01	6.73E-02	2.27E-01	8.29E-02	2.41E-01	6.18E-01
8.00E-01	6.73E-02	2.21E-01	6.97E-02	2.52E-01	6.10E-01
9.00E-01	6.73E-02	2.16E-01	5.86E-02	2.59E-01	6.01E-01
1.00E+00	6.74E-02	2.11E-01	4.93E-02	2.63E-01	5.90E-01
2.00E+00	6.83E-02	1.77E-01	8.72E-03	2.01E-01	4.56E-01
3.00E+00	6.89E-02	1.60E-01	1.54E-03	1.12E-01	3.42E-01
4.00E+00	6.95E-02	1.50E-01	2.72E-04	5.66E-02	2.77E-01
5.00E+00	7.00E-02	1.45E-01	4.82E-05	2.82E-02	2.43E-01
6.00E+00	7.05E-02	1.41E-01	8.51E-06	1.45E-02	2.26E-01
7.00E+00	7.09E-02	1.38E-01	1.51E-06	8.05E-03	2.17E-01
8.00E+00	7.14E-02	1.36E-01	2.66E-07	4.99E-03	2.12E-01
9.00E+00	7.18E-02	1.34E-01	4.70E-08	3.51E-03	2.09E-01
1.00E+01	7.22E-02	1.32E-01	0.00E+00	2.79E-03	2.07E-01
2.00E+01	7.64E-02	1.16E-01	0.00E+00	1.85E-03	1.94E-01
3.00E+01	8.01E-02	1.02E-01	0.00E+00	1.61E-03	1.84E-01
4.00E+01	8.35E-02	9.01E-02	0.00E+00	1.40E-03	1.75E-01
5.00E+01	8.66E-02	7.93E-02	0.00E+00	1.22E-03	1.67E-01
6.00E+01	8.93E-02	6.98E-02	0.00E+00	1.06E-03	1.60E-01
7.00E+01	9.18E-02	6.14E-02	0.00E+00	9.27E-04	1.54E-01
8.00E+01	9.40E-02	5.40E-02	0.00E+00	8.07E-04	1.49E-01
9.00E+01	9.60E-02	4.75E-02	0.00E+00	7.02E-04	1.44E-01
1.00E+02	9.78E-02	4.18E-02	0.00E+00	6.12E-04	1.40E-01
2.00E+02	1.08E-01	1.15E-02	0.00E+00	1.53E-04	1.20E-01
3.00E+02	1.11E-01	3.15E-03	0.00E+00	3.82E-05	1.14E-01
4.00E+02	1.12E-01	8.55E-04	0.00E+00	9.56E-06	1.13E-01
5.00E+02	1.12E-01	2.31E-04	0.00E+00	2.39E-06	1.12E-01
6.00E+02	1.11E-01	6.19E-05	0.00E+00	5.97E-07	1.11E-01
7.00E+02	1.11E-01	1.65E-05	0.00E+00	1.49E-07	1.11E-01
8.00E+02	1.11E-01	4.40E-06	0.00E+00	3.73E-08	1.11E-01
9.00E+02	1.10E-01	1.16E-06	0.00E+00	0.00E+00	1.10E-01
1.00E+03	1.10E-01	3.08E-07	0.00E+00	0.00E+00	1.10E-01
3.00E+03	1.03E-01	0.00E+00	0.00E+00	0.00E+00	1.03E-01
5.00E+03	9.64E-02	0.00E+00	0.00E+00	0.00E+00	9.64E-02
7.00E+03	9.05E-02	0.00E+00	0.00E+00	0.00E+00	9.05E-02
9.00E+03	8.49E-02	0.00E+00	0.00E+00	0.00E+00	8.49E-02
1.00E+04	8.23E-02	0.00E+00	0.00E+00	0.00E+00	8.23E-02

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	24-HOUR URINE	ACCUMULATED URINE	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		7.45E-04		7.53E-04
2.00E-01		1.42E-03		1.59E-03
3.00E-01		1.94E-03		2.77E-03
4.00E-01		2.34E-03		4.75E-03
5.00E-01		2.65E-03		7.91E-03
6.00E-01		2.89E-03		1.25E-02
7.00E-01		3.07E-03		1.85E-02
8.00E-01		3.22E-03		2.61E-02
9.00E-01		3.33E-03		3.50E-02
1.00E+00	3.42E-03	3.42E-03	4.53E-02	4.53E-02
2.00E+00	3.20E-04	3.74E-03	1.34E-01	1.80E-01
3.00E+00	6.54E-05	3.80E-03	1.13E-01	2.93E-01
4.00E+00	3.62E-05	3.84E-03	6.58E-02	3.59E-01
5.00E+00	3.02E-05	3.87E-03	3.38E-02	3.92E-01
6.00E+00	2.80E-05	3.90E-03	1.69E-02	4.09E-01
7.00E+00	2.70E-05	3.92E-03	8.71E-03	4.18E-01
8.00E+00	2.63E-05	3.95E-03	4.81E-03	4.23E-01
9.00E+00	2.59E-05	3.98E-03	2.96E-03	4.26E-01
1.00E+01	2.56E-05	4.00E-03	2.07E-03	4.28E-01
2.00E+01	2.33E-05	4.24E-03	1.10E-03	4.40E-01
3.00E+01	2.13E-05	4.47E-03	9.56E-04	4.51E-01
4.00E+01	1.95E-05	4.67E-03	8.33E-04	4.59E-01
5.00E+01	1.78E-05	4.86E-03	7.26E-04	4.67E-01
6.00E+01	1.63E-05	5.03E-03	6.33E-04	4.74E-01
7.00E+01	1.48E-05	5.18E-03	5.52E-04	4.80E-01
8.00E+01	1.36E-05	5.32E-03	4.81E-04	4.85E-01
9.00E+01	1.24E-05	5.45E-03	4.19E-04	4.89E-01
1.00E+02	1.13E-05	5.57E-03	3.66E-04	4.93E-01
2.00E+02	4.97E-06	6.33E-03	9.35E-05	5.13E-01
3.00E+02	2.82E-06	6.69E-03	2.50E-05	5.18E-01
4.00E+02	2.14E-06	6.94E-03	7.68E-06	5.20E-01
5.00E+02	1.93E-06	7.14E-03	3.32E-06	5.20E-01
6.00E+02	1.87E-06	7.33E-03	2.21E-06	5.20E-01
7.00E+02	1.84E-06	7.51E-03	1.93E-06	5.21E-01
8.00E+02	1.83E-06	7.70E-03	1.85E-06	5.21E-01
9.00E+02	1.82E-06	7.88E-03	1.83E-06	5.21E-01
1.00E+03	1.81E-06	8.06E-03	1.82E-06	5.21E-01
3.00E+03	1.68E-06	1.16E-02	1.68E-06	5.25E-01
5.00E+03	1.55E-06	1.48E-02	1.55E-06	5.28E-01
7.00E+03	1.44E-06	1.78E-02	1.44E-06	5.31E-01
9.00E+03	1.33E-06	2.05E-02	1.33E-06	5.34E-01
1.00E+04	1.28E-06	2.19E-02	1.28E-06	5.35E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	7.09E-02	2.76E-01	2.35E-01	5.72E-02	6.39E-01
2.00E-01	7.10E-02	2.65E-01	1.97E-01	1.05E-01	6.39E-01
3.00E-01	7.10E-02	2.56E-01	1.66E-01	1.46E-01	6.38E-01
4.00E-01	7.10E-02	2.47E-01	1.39E-01	1.79E-01	6.36E-01
5.00E-01	7.10E-02	2.40E-01	1.17E-01	2.06E-01	6.34E-01
6.00E-01	7.10E-02	2.33E-01	9.86E-02	2.27E-01	6.29E-01
7.00E-01	7.10E-02	2.27E-01	8.29E-02	2.43E-01	6.23E-01
8.00E-01	7.10E-02	2.21E-01	6.97E-02	2.54E-01	6.16E-01
9.00E-01	7.10E-02	2.16E-01	5.86E-02	2.61E-01	6.07E-01
1.00E+00	7.10E-02	2.11E-01	4.93E-02	2.65E-01	5.96E-01
2.00E+00	7.12E-02	1.77E-01	8.72E-03	2.04E-01	4.61E-01
3.00E+00	7.15E-02	1.60E-01	1.54E-03	1.13E-01	3.46E-01
4.00E+00	7.19E-02	1.50E-01	2.72E-04	5.72E-02	2.80E-01
5.00E+00	7.23E-02	1.45E-01	4.82E-05	2.85E-02	2.45E-01
6.00E+00	7.27E-02	1.41E-01	8.51E-06	1.47E-02	2.28E-01
7.00E+00	7.31E-02	1.38E-01	1.50E-06	8.14E-03	2.19E-01
8.00E+00	7.35E-02	1.36E-01	2.66E-07	5.04E-03	2.14E-01
9.00E+00	7.40E-02	1.34E-01	4.70E-08	3.55E-03	2.11E-01
1.00E+01	7.44E-02	1.32E-01	0.00E+00	2.82E-03	2.09E-01
2.00E+01	7.85E-02	1.16E-01	0.00E+00	1.87E-03	1.96E-01
3.00E+01	8.22E-02	1.02E-01	0.00E+00	1.63E-03	1.86E-01
4.00E+01	8.56E-02	9.00E-02	0.00E+00	1.42E-03	1.77E-01
5.00E+01	8.86E-02	7.92E-02	0.00E+00	1.23E-03	1.69E-01
6.00E+01	9.14E-02	6.97E-02	0.00E+00	1.07E-03	1.62E-01
7.00E+01	9.38E-02	6.13E-02	0.00E+00	9.35E-04	1.56E-01
8.00E+01	9.61E-02	5.39E-02	0.00E+00	8.13E-04	1.51E-01
9.00E+01	9.80E-02	4.74E-02	0.00E+00	7.08E-04	1.46E-01
1.00E+02	9.98E-02	4.17E-02	0.00E+00	6.16E-04	1.42E-01
2.00E+02	1.09E-01	1.15E-02	0.00E+00	1.54E-04	1.21E-01
3.00E+02	1.11E-01	3.13E-03	0.00E+00	3.83E-05	1.15E-01
4.00E+02	1.11E-01	8.48E-04	0.00E+00	9.57E-06	1.12E-01
5.00E+02	1.11E-01	2.28E-04	0.00E+00	2.39E-06	1.11E-01
6.00E+02	1.10E-01	6.11E-05	0.00E+00	5.95E-07	1.10E-01
7.00E+02	1.09E-01	1.63E-05	0.00E+00	1.48E-07	1.09E-01
8.00E+02	1.09E-01	4.32E-06	0.00E+00	3.70E-08	1.09E-01
9.00E+02	1.08E-01	1.14E-06	0.00E+00	0.00E+00	1.08E-01
1.00E+03	1.07E-01	3.01E-07	0.00E+00	0.00E+00	1.07E-01
3.00E+03	9.71E-02	0.00E+00	0.00E+00	0.00E+00	9.71E-02
5.00E+03	8.78E-02	0.00E+00	0.00E+00	0.00E+00	8.78E-02
7.00E+03	7.95E-02	0.00E+00	0.00E+00	0.00E+00	7.95E-02
9.00E+03	7.19E-02	0.00E+00	0.00E+00	0.00E+00	7.19E-02
1.00E+04	6.84E-02	0.00E+00	0.00E+00	0.00E+00	6.84E-02

CLASS W

AMAD = 1 MICRON

HALFLIFE= 3.20E+04 DAYS

PLUTONIUM 238

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	24-HOUR URINE	ACCUMULATED URINE	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		3.05E-05		3.41E-05
2.00E-01		6.46E-05		2.19E-04
3.00E-01		9.69E-05		9.11E-04
4.00E-01		1.28E-04		2.53E-03
5.00E-01		1.57E-04		5.41E-03
6.00E-01		1.85E-04		9.77E-03
7.00E-01		2.11E-04		1.57E-02
8.00E-01		2.36E-04		2.32E-02
9.00E-01		2.60E-04		3.21E-02
1.00E+00	2.83E-04	2.83E-04	4.24E-02	4.24E-02
2.00E+00	1.76E-04	4.59E-04	1.36E-01	1.78E-01
3.00E+00	1.12E-04	5.71E-04	1.14E-01	2.92E-01
4.00E+00	7.53E-05	6.47E-04	6.65E-02	3.59E-01
5.00E+00	5.39E-05	7.01E-04	3.42E-02	3.93E-01
6.00E+00	4.15E-05	7.42E-04	1.71E-02	4.10E-01
7.00E+00	3.42E-05	7.76E-04	8.81E-03	4.19E-01
8.00E+00	2.98E-05	8.06E-04	4.86E-03	4.24E-01
9.00E+00	2.71E-05	8.33E-04	2.99E-03	4.27E-01
1.00E+01	2.54E-05	8.58E-04	2.09E-03	4.29E-01
2.00E+01	2.01E-05	1.08E-03	1.10E-03	4.41E-01
3.00E+01	1.76E-05	1.26E-03	9.59E-04	4.51E-01
4.00E+01	1.58E-05	1.43E-03	8.35E-04	4.60E-01
5.00E+01	1.45E-05	1.58E-03	7.27E-04	4.68E-01
6.00E+01	1.36E-05	1.72E-03	6.34E-04	4.74E-01
7.00E+01	1.28E-05	1.85E-03	5.52E-04	4.80E-01
8.00E+01	1.22E-05	1.97E-03	4.82E-04	4.85E-01
9.00E+01	1.16E-05	2.09E-03	4.20E-04	4.90E-01
1.00E+02	1.11E-05	2.20E-03	3.66E-04	4.93E-01
2.00E+02	7.85E-06	3.13E-03	9.57E-05	5.12E-01
3.00E+02	5.80E-06	3.80E-03	2.72E-05	5.17E-01
4.00E+02	4.45E-06	4.29E-03	9.34E-06	5.17E-01
5.00E+02	3.56E-06	4.68E-03	4.41E-06	5.17E-01
6.00E+02	2.95E-06	4.99E-03	2.86E-06	5.16E-01
7.00E+02	2.54E-06	5.26E-03	2.25E-06	5.15E-01
8.00E+02	2.25E-06	5.48E-03	1.94E-06	5.14E-01
9.00E+02	2.06E-06	5.69E-03	1.76E-06	5.13E-01
1.00E+03	1.92E-06	5.87E-03	1.64E-06	5.12E-01
3.00E+03	1.49E-06	8.75E-03	1.27E-06	4.93E-01
5.00E+03	1.35E-06	1.12E-02	1.15E-06	4.75E-01
7.00E+03	1.22E-06	1.32E-02	1.04E-06	4.57E-01
9.00E+03	1.10E-06	1.49E-02	9.39E-07	4.39E-01
1.00E+04	1.05E-06	1.56E-02	8.93E-07	4.31E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	7.09E-02	2.76E-01	2.35E-01	5.72E-02	6.39E-01
2.00E-01	7.10E-02	2.65E-01	1.97E-01	1.05E-01	6.39E-01
3.00E-01	7.10E-02	2.56E-01	1.66E-01	1.46E-01	6.38E-01
4.00E-01	7.10E-02	2.47E-01	1.39E-01	1.79E-01	6.36E-01
5.00E-01	7.10E-02	2.40E-01	1.17E-01	2.06E-01	6.34E-01
6.00E-01	7.10E-02	2.33E-01	9.86E-02	2.27E-01	6.29E-01
7.00E-01	7.10E-02	2.27E-01	8.29E-02	2.43E-01	6.23E-01
8.00E-01	7.10E-02	2.21E-01	6.97E-02	2.54E-01	6.16E-01
9.00E-01	7.10E-02	2.16E-01	5.86E-02	2.61E-01	6.07E-01
1.00E+00	7.10E-02	2.11E-01	4.93E-02	2.65E-01	5.96E-01
2.00E+00	7.12E-02	1.77E-01	8.72E-03	2.04E-01	4.61E-01
3.00E+00	7.15E-02	1.60E-01	1.54E-03	1.13E-01	3.46E-01
4.00E+00	7.19E-02	1.50E-01	2.72E-04	5.72E-02	2.80E-01
5.00E+00	7.23E-02	1.45E-01	4.82E-05	2.85E-02	2.45E-01
6.00E+00	7.27E-02	1.41E-01	8.51E-06	1.47E-02	2.28E-01
7.00E+00	7.31E-02	1.38E-01	1.51E-06	8.14E-03	2.19E-01
8.00E+00	7.35E-02	1.36E-01	2.66E-07	5.04E-03	2.14E-01
9.00E+00	7.40E-02	1.34E-01	4.70E-08	3.55E-03	2.11E-01
1.00E+01	7.44E-02	1.32E-01	0.00E+00	2.82E-03	2.09E-01
2.00E+01	7.85E-02	1.16E-01	0.00E+00	1.87E-03	1.97E-01
3.00E+01	8.22E-02	1.02E-01	0.00E+00	1.63E-03	1.86E-01
4.00E+01	8.56E-02	9.01E-02	0.00E+00	1.42E-03	1.77E-01
5.00E+01	8.87E-02	7.93E-02	0.00E+00	1.24E-03	1.69E-01
6.00E+01	9.15E-02	6.98E-02	0.00E+00	1.08E-03	1.62E-01
7.00E+01	9.40E-02	6.14E-02	0.00E+00	9.36E-04	1.56E-01
8.00E+01	9.62E-02	5.40E-02	0.00E+00	8.15E-04	1.51E-01
9.00E+01	9.82E-02	4.75E-02	0.00E+00	7.09E-04	1.46E-01
1.00E+02	1.00E-01	4.18E-02	0.00E+00	6.18E-04	1.42E-01
2.00E+02	1.10E-01	1.15E-02	0.00E+00	1.54E-04	1.21E-01
3.00E+02	1.12E-01	3.15E-03	0.00E+00	3.86E-05	1.15E-01
4.00E+02	1.12E-01	8.55E-04	0.00E+00	9.65E-06	1.13E-01
5.00E+02	1.12E-01	2.31E-04	0.00E+00	2.41E-06	1.12E-01
6.00E+02	1.11E-01	6.19E-05	0.00E+00	6.03E-07	1.12E-01
7.00E+02	1.11E-01	1.65E-05	0.00E+00	1.51E-07	1.11E-01
8.00E+02	1.11E-01	4.39E-06	0.00E+00	3.77E-08	1.11E-01
9.00E+02	1.10E-01	1.16E-06	0.00E+00	0.00E+00	1.10E-01
1.00E+03	1.10E-01	3.08E-07	0.00E+00	0.00E+00	1.10E-01
3.00E+03	1.04E-01	0.00E+00	0.00E+00	0.00E+00	1.04E-01
5.00E+03	9.78E-02	0.00E+00	0.00E+00	0.00E+00	9.78E-02
7.00E+03	9.24E-02	0.00E+00	0.00E+00	0.00E+00	9.24E-02
9.00E+03	8.73E-02	0.00E+00	0.00E+00	0.00E+00	8.73E-02
1.00E+04	8.48E-02	0.00E+00	0.00E+00	0.00E+00	8.48E-02

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	24-HOUR URINE	ACCUMULATED URINE	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		3.05E-05		3.41E-05
2.00E-01		6.46E-05		2.19E-04
3.00E-01		9.69E-05		9.11E-04
4.00E-01		1.28E-04		2.53E-03
5.00E-01		1.57E-04		5.41E-03
6.00E-01		1.85E-04		9.77E-03
7.00E-01		2.11E-04		1.57E-02
8.00E-01		2.36E-04		2.32E-02
9.00E-01		2.60E-04		3.21E-02
1.00E+00	2.83E-04	2.83E-04	4.24E-02	4.24E-02
2.00E+00	1.76E-04	4.59E-04	1.36E-01	1.78E-01
3.00E+00	1.12E-04	5.72E-04	1.14E-01	2.92E-01
4.00E+00	7.53E-05	6.47E-04	6.65E-02	3.59E-01
5.00E+00	5.39E-05	7.01E-04	3.42E-02	3.93E-01
6.00E+00	4.15E-05	7.42E-04	1.71E-02	4.10E-01
7.00E+00	3.42E-05	7.76E-04	8.81E-03	4.19E-01
8.00E+00	2.98E-05	8.06E-04	4.86E-03	4.24E-01
9.00E+00	2.71E-05	8.33E-04	2.99E-03	4.27E-01
1.00E+01	2.54E-05	8.59E-04	2.09E-03	4.29E-01
2.00E+01	2.01E-05	1.08E-03	1.10E-03	4.41E-01
3.00E+01	1.76E-05	1.26E-03	9.59E-04	4.52E-01
4.00E+01	1.58E-05	1.43E-03	8.35E-04	4.61E-01
5.00E+01	1.45E-05	1.58E-03	7.28E-04	4.68E-01
6.00E+01	1.36E-05	1.72E-03	6.34E-04	4.75E-01
7.00E+01	1.28E-05	1.85E-03	5.53E-04	4.81E-01
8.00E+01	1.22E-05	1.98E-03	4.82E-04	4.86E-01
9.00E+01	1.16E-05	2.09E-03	4.21E-04	4.91E-01
1.00E+02	1.12E-05	2.21E-03	3.67E-04	4.94E-01
2.00E+02	7.89E-06	3.14E-03	9.62E-05	5.15E-01
3.00E+02	5.84E-06	3.82E-03	2.73E-05	5.20E-01
4.00E+02	4.49E-06	4.33E-03	9.42E-06	5.22E-01
5.00E+02	3.59E-06	4.73E-03	4.46E-06	5.22E-01
6.00E+02	2.99E-06	5.06E-03	2.89E-06	5.23E-01
7.00E+02	2.57E-06	5.34E-03	2.28E-06	5.23E-01
8.00E+02	2.29E-06	5.58E-03	1.97E-06	5.23E-01
9.00E+02	2.10E-06	5.80E-03	1.79E-06	5.23E-01
1.00E+03	1.96E-06	6.00E-03	1.67E-06	5.23E-01
3.00E+03	1.59E-06	9.34E-03	1.35E-06	5.26E-01
5.00E+03	1.50E-06	1.24E-02	1.28E-06	5.29E-01
7.00E+03	1.42E-06	1.53E-02	1.21E-06	5.31E-01
9.00E+03	1.34E-06	1.81E-02	1.14E-06	5.33E-01
1.00E+04	1.30E-06	1.94E-02	1.11E-06	5.34E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	7.09E-02	2.76E-01	2.35E-01	5.72E-02	6.39E-01
2.00E-01	7.10E-02	2.65E-01	1.97E-01	1.05E-01	6.39E-01
3.00E-01	7.10E-02	2.56E-01	1.66E-01	1.46E-01	6.38E-01
4.00E-01	7.10E-02	2.47E-01	1.39E-01	1.79E-01	6.36E-01
5.00E-01	7.10E-02	2.40E-01	1.17E-01	2.06E-01	6.34E-01
6.00E-01	7.10E-02	2.33E-01	9.86E-02	2.27E-01	6.29E-01
7.00E-01	7.10E-02	2.27E-01	8.29E-02	2.43E-01	6.23E-01
8.00E-01	7.10E-02	2.21E-01	6.97E-02	2.54E-01	6.16E-01
9.00E-01	7.10E-02	2.16E-01	5.86E-02	2.61E-01	6.07E-01
1.00E+00	7.10E-02	2.11E-01	4.93E-02	2.65E-01	5.96E-01
2.00E+00	7.12E-02	1.77E-01	8.72E-03	2.04E-01	4.61E-01
3.00E+00	7.15E-02	1.60E-01	1.54E-03	1.13E-01	3.46E-01
4.00E+00	7.19E-02	1.50E-01	2.72E-04	5.72E-02	2.80E-01
5.00E+00	7.23E-02	1.45E-01	4.82E-05	2.85E-02	2.45E-01
6.00E+00	7.27E-02	1.41E-01	8.51E-06	1.47E-02	2.28E-01
7.00E+00	7.31E-02	1.38E-01	1.51E-06	8.14E-03	2.19E-01
8.00E+00	7.35E-02	1.36E-01	2.66E-07	5.04E-03	2.14E-01
9.00E+00	7.40E-02	1.34E-01	4.70E-08	3.55E-03	2.11E-01
1.00E+01	7.44E-02	1.32E-01	0.00E+00	2.82E-03	2.09E-01
2.00E+01	7.85E-02	1.16E-01	0.00E+00	1.87E-03	1.97E-01
3.00E+01	8.22E-02	1.02E-01	0.00E+00	1.63E-03	1.86E-01
4.00E+01	8.56E-02	9.01E-02	0.00E+00	1.42E-03	1.77E-01
5.00E+01	8.87E-02	7.93E-02	0.00E+00	1.24E-03	1.69E-01
6.00E+01	9.15E-02	6.98E-02	0.00E+00	1.08E-03	1.62E-01
7.00E+01	9.40E-02	6.14E-02	0.00E+00	9.36E-04	1.56E-01
8.00E+01	9.62E-02	5.40E-02	0.00E+00	8.15E-04	1.51E-01
9.00E+01	9.82E-02	4.75E-02	0.00E+00	7.09E-04	1.46E-01
1.00E+02	1.00E-01	4.18E-02	0.00E+00	6.17E-04	1.42E-01
2.00E+02	1.10E-01	1.15E-02	0.00E+00	1.54E-04	1.21E-01
3.00E+02	1.12E-01	3.15E-03	0.00E+00	3.86E-05	1.15E-01
4.00E+02	1.12E-01	8.55E-04	0.00E+00	9.65E-06	1.13E-01
5.00E+02	1.12E-01	2.31E-04	0.00E+00	2.41E-06	1.12E-01
6.00E+02	1.11E-01	6.19E-05	0.00E+00	6.03E-07	1.12E-01
7.00E+02	1.11E-01	1.65E-05	0.00E+00	1.51E-07	1.11E-01
8.00E+02	1.11E-01	4.39E-06	0.00E+00	3.77E-08	1.11E-01
9.00E+02	1.10E-01	1.16E-06	0.00E+00	0.00E+00	1.10E-01
1.00E+03	1.10E-01	3.08E-07	0.00E+00	0.00E+00	1.10E-01
3.00E+03	1.03E-01	0.00E+00	0.00E+00	0.00E+00	1.03E-01
5.00E+03	9.77E-02	0.00E+00	0.00E+00	0.00E+00	9.77E-02
7.00E+03	9.23E-02	0.00E+00	0.00E+00	0.00E+00	9.23E-02
9.00E+03	8.71E-02	0.00E+00	0.00E+00	0.00E+00	8.71E-02
1.00E+04	8.47E-02	0.00E+00	0.00E+00	0.00E+00	8.47E-02

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	24-HOUR URINE	ACCUMULATED URINE	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		3.05E-05		3.41E-05
2.00E-01		6.46E-05		2.19E-04
3.00E-01		9.69E-05		9.11E-04
4.00E-01		1.28E-04		2.53E-03
5.00E-01		1.57E-04		5.41E-03
6.00E-01		1.85E-04		9.77E-03
7.00E-01		2.11E-04		1.57E-02
8.00E-01		2.36E-04		2.32E-02
9.00E-01		2.60E-04		3.21E-02
1.00E+00	2.83E-04	2.83E-04	4.24E-02	4.24E-02
2.00E+00	1.76E-04	4.59E-04	1.36E-01	1.78E-01
3.00E+00	1.12E-04	5.72E-04	1.14E-01	2.92E-01
4.00E+00	7.53E-05	6.47E-04	6.65E-02	3.59E-01
5.00E+00	5.39E-05	7.01E-04	3.42E-02	3.93E-01
6.00E+00	4.15E-05	7.42E-04	1.71E-02	4.10E-01
7.00E+00	3.42E-05	7.76E-04	8.81E-03	4.19E-01
8.00E+00	2.98E-05	8.06E-04	4.86E-03	4.24E-01
9.00E+00	2.71E-05	8.33E-04	2.99E-03	4.27E-01
1.00E+01	2.54E-05	8.59E-04	2.09E-03	4.29E-01
2.00E+01	2.01E-05	1.08E-03	1.10E-03	4.41E-01
3.00E+01	1.76E-05	1.26E-03	9.59E-04	4.52E-01
4.00E+01	1.58E-05	1.43E-03	8.35E-04	4.61E-01
5.00E+01	1.45E-05	1.58E-03	7.28E-04	4.68E-01
6.00E+01	1.36E-05	1.72E-03	6.34E-04	4.75E-01
7.00E+01	1.28E-05	1.85E-03	5.53E-04	4.81E-01
8.00E+01	1.22E-05	1.98E-03	4.82E-04	4.86E-01
9.00E+01	1.16E-05	2.09E-03	4.21E-04	4.91E-01
1.00E+02	1.12E-05	2.21E-03	3.67E-04	4.94E-01
2.00E+02	7.88E-06	3.14E-03	9.62E-05	5.14E-01
3.00E+02	5.84E-06	3.82E-03	2.73E-05	5.20E-01
4.00E+02	4.49E-06	4.33E-03	9.42E-06	5.21E-01
5.00E+02	3.59E-06	4.73E-03	4.46E-06	5.22E-01
6.00E+02	2.99E-06	5.06E-03	2.89E-06	5.22E-01
7.00E+02	2.57E-06	5.34E-03	2.28E-06	5.23E-01
8.00E+02	2.29E-06	5.58E-03	1.97E-06	5.23E-01
9.00E+02	2.10E-06	5.80E-03	1.79E-06	5.23E-01
1.00E+03	1.96E-06	6.00E-03	1.67E-06	5.23E-01
3.00E+03	1.59E-06	9.33E-03	1.35E-06	5.26E-01
5.00E+03	1.50E-06	1.24E-02	1.28E-06	5.28E-01
7.00E+03	1.42E-06	1.53E-02	1.21E-06	5.30E-01
9.00E+03	1.34E-06	1.81E-02	1.14E-06	5.32E-01
1.00E+04	1.30E-06	1.94E-02	1.11E-06	5.33E-01

CLASS W

AMAD = 1 MICRON

HALFLIFE= 1.37E+08 DAYS

PLUTONIUM 242

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	7.09E-02	2.76E-01	2.35E-01	5.72E-02	6.39E-01
2.00E-01	7.10E-02	2.65E-01	1.97E-01	1.05E-01	6.39E-01
3.00E-01	7.10E-02	2.56E-01	1.66E-01	1.46E-01	6.38E-01
4.00E-01	7.10E-02	2.47E-01	1.39E-01	1.79E-01	6.36E-01
5.00E-01	7.10E-02	2.40E-01	1.17E-01	2.06E-01	6.34E-01
6.00E-01	7.10E-02	2.33E-01	9.86E-02	2.27E-01	6.29E-01
7.00E-01	7.10E-02	2.27E-01	8.29E-02	2.43E-01	6.23E-01
8.00E-01	7.10E-02	2.21E-01	6.97E-02	2.54E-01	6.16E-01
9.00E-01	7.10E-02	2.16E-01	5.86E-02	2.61E-01	6.07E-01
1.00E+00	7.10E-02	2.11E-01	4.93E-02	2.65E-01	5.96E-01
2.00E+00	7.12E-02	1.77E-01	8.72E-03	2.04E-01	4.61E-01
3.00E+00	7.15E-02	1.60E-01	1.54E-03	1.13E-01	3.46E-01
4.00E+00	7.19E-02	1.50E-01	2.72E-04	5.72E-02	2.80E-01
5.00E+00	7.23E-02	1.45E-01	4.82E-05	2.85E-02	2.45E-01
6.00E+00	7.27E-02	1.41E-01	8.51E-06	1.47E-02	2.28E-01
7.00E+00	7.31E-02	1.38E-01	1.51E-06	8.14E-03	2.19E-01
8.00E+00	7.35E-02	1.36E-01	2.66E-07	5.04E-03	2.14E-01
9.00E+00	7.40E-02	1.34E-01	4.70E-08	3.55E-03	2.11E-01
1.00E+01	7.44E-02	1.32E-01	0.00E+00	2.82E-03	2.09E-01
2.00E+01	7.85E-02	1.16E-01	0.00E+00	1.87E-03	1.97E-01
3.00E+01	8.22E-02	1.02E-01	0.00E+00	1.63E-03	1.86E-01
4.00E+01	8.56E-02	9.01E-02	0.00E+00	1.42E-03	1.77E-01
5.00E+01	8.87E-02	7.93E-02	0.00E+00	1.24E-03	1.69E-01
6.00E+01	9.15E-02	6.98E-02	0.00E+00	1.08E-03	1.62E-01
7.00E+01	9.40E-02	6.14E-02	0.00E+00	9.36E-04	1.56E-01
8.00E+01	9.62E-02	5.40E-02	0.00E+00	8.15E-04	1.51E-01
9.00E+01	9.82E-02	4.75E-02	0.00E+00	7.09E-04	1.46E-01
1.00E+02	1.00E-01	4.18E-02	0.00E+00	6.18E-04	1.42E-01
2.00E+02	1.10E-01	1.15E-02	0.00E+00	1.54E-04	1.21E-01
3.00E+02	1.12E-01	3.15E-03	0.00E+00	3.86E-05	1.15E-01
4.00E+02	1.12E-01	8.55E-04	0.00E+00	9.65E-06	1.13E-01
5.00E+02	1.12E-01	2.31E-04	0.00E+00	2.41E-06	1.12E-01
6.00E+02	1.11E-01	6.19E-05	0.00E+00	6.03E-07	1.12E-01
7.00E+02	1.11E-01	1.65E-05	0.00E+00	1.51E-07	1.11E-01
8.00E+02	1.11E-01	4.40E-06	0.00E+00	3.77E-08	1.11E-01
9.00E+02	1.10E-01	1.16E-06	0.00E+00	0.00E+00	1.10E-01
1.00E+03	1.10E-01	3.08E-07	0.00E+00	0.00E+00	1.10E-01
3.00E+03	1.04E-01	0.00E+00	0.00E+00	0.00E+00	1.04E-01
5.00E+03	9.79E-02	0.00E+00	0.00E+00	0.00E+00	9.79E-02
7.00E+03	9.25E-02	0.00E+00	0.00E+00	0.00E+00	9.25E-02
9.00E+03	8.73E-02	0.00E+00	0.00E+00	0.00E+00	8.73E-02
1.00E+04	8.49E-02	0.00E+00	0.00E+00	0.00E+00	8.49E-02

CLASS W

AMAD = 1 MICRON

HALFLIFE= 1.37E+08 DAYS

PLUTONIUM 242

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	24-HOUR URINE	ACCUMULATED URINE	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		3.05E-05		3.41E-05
2.00E-01		6.46E-05		2.19E-04
3.00E-01		9.69E-05		9.11E-04
4.00E-01		1.28E-04		2.53E-03
5.00E-01		1.57E-04		5.41E-03
6.00E-01		1.85E-04		9.77E-03
7.00E-01		2.11E-04		1.57E-02
8.00E-01		2.36E-04		2.32E-02
9.00E-01		2.60E-04		3.21E-02
1.00E+00	2.83E-04	2.83E-04	4.24E-02	4.24E-02
2.00E+00	1.76E-04	4.59E-04	1.36E-01	1.78E-01
3.00E+00	1.12E-04	5.72E-04	1.14E-01	2.92E-01
4.00E+00	7.53E-05	6.47E-04	6.65E-02	3.59E-01
5.00E+00	5.39E-05	7.01E-04	3.42E-02	3.93E-01
6.00E+00	4.15E-05	7.42E-04	1.71E-02	4.10E-01
7.00E+00	3.42E-05	7.76E-04	8.81E-03	4.19E-01
8.00E+00	2.98E-05	8.06E-04	4.86E-03	4.24E-01
9.00E+00	2.71E-05	8.33E-04	2.99E-03	4.27E-01
1.00E+01	2.54E-05	8.59E-04	2.09E-03	4.29E-01
2.00E+01	2.01E-05	1.08E-03	1.10E-03	4.41E-01
3.00E+01	1.76E-05	1.26E-03	9.59E-04	4.52E-01
4.00E+01	1.58E-05	1.43E-03	8.35E-04	4.61E-01
5.00E+01	1.45E-05	1.58E-03	7.28E-04	4.68E-01
6.00E+01	1.36E-05	1.72E-03	6.34E-04	4.75E-01
7.00E+01	1.28E-05	1.85E-03	5.53E-04	4.81E-01
8.00E+01	1.22E-05	1.98E-03	4.82E-04	4.86E-01
9.00E+01	1.16E-05	2.09E-03	4.21E-04	4.91E-01
1.00E+02	1.12E-05	2.21E-03	3.67E-04	4.94E-01
2.00E+02	7.89E-06	3.14E-03	9.62E-05	5.15E-01
3.00E+02	5.84E-06	3.82E-03	2.73E-05	5.20E-01
4.00E+02	4.49E-06	4.33E-03	9.42E-06	5.22E-01
5.00E+02	3.59E-06	4.73E-03	4.46E-06	5.22E-01
6.00E+02	2.99E-06	5.06E-03	2.89E-06	5.23E-01
7.00E+02	2.57E-06	5.34E-03	2.28E-06	5.23E-01
8.00E+02	2.29E-06	5.58E-03	1.97E-06	5.23E-01
9.00E+02	2.10E-06	5.80E-03	1.79E-06	5.23E-01
1.00E+03	1.96E-06	6.00E-03	1.67E-06	5.23E-01
3.00E+03	1.59E-06	9.34E-03	1.35E-06	5.26E-01
5.00E+03	1.50E-06	1.24E-02	1.28E-06	5.29E-01
7.00E+03	1.42E-06	1.53E-02	1.21E-06	5.31E-01
9.00E+03	1.34E-06	1.81E-02	1.14E-06	5.34E-01
1.00E+04	1.30E-06	1.94E-02	1.11E-06	5.35E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	6.95E-02	2.76E-01	2.35E-01	5.72E-02	6.38E-01
2.00E-01	6.83E-02	2.65E-01	1.97E-01	1.05E-01	6.36E-01
3.00E-01	6.73E-02	2.56E-01	1.66E-01	1.46E-01	6.34E-01
4.00E-01	6.66E-02	2.47E-01	1.39E-01	1.79E-01	6.32E-01
5.00E-01	6.61E-02	2.40E-01	1.17E-01	2.06E-01	6.29E-01
6.00E-01	6.57E-02	2.33E-01	9.86E-02	2.27E-01	6.24E-01
7.00E-01	6.54E-02	2.27E-01	8.29E-02	2.43E-01	6.18E-01
8.00E-01	6.52E-02	2.21E-01	6.97E-02	2.54E-01	6.10E-01
9.00E-01	6.51E-02	2.16E-01	5.86E-02	2.61E-01	6.01E-01
1.00E+00	6.50E-02	2.11E-01	4.93E-02	2.65E-01	5.90E-01
2.00E+00	6.51E-02	1.77E-01	8.72E-03	2.03E-01	4.55E-01
3.00E+00	6.55E-02	1.60E-01	1.54E-03	1.13E-01	3.40E-01
4.00E+00	6.60E-02	1.50E-01	2.72E-04	5.72E-02	2.74E-01
5.00E+00	6.64E-02	1.45E-01	4.82E-05	2.85E-02	2.39E-01
6.00E+00	6.68E-02	1.41E-01	8.51E-06	1.47E-02	2.22E-01
7.00E+00	6.73E-02	1.38E-01	1.51E-06	8.13E-03	2.14E-01
8.00E+00	6.77E-02	1.36E-01	2.66E-07	5.04E-03	2.09E-01
9.00E+00	6.81E-02	1.34E-01	4.70E-08	3.55E-03	2.06E-01
1.00E+01	6.86E-02	1.32E-01	0.00E+00	2.82E-03	2.03E-01
2.00E+01	7.26E-02	1.16E-01	0.00E+00	1.87E-03	1.91E-01
3.00E+01	7.63E-02	1.02E-01	0.00E+00	1.63E-03	1.80E-01
4.00E+01	7.96E-02	9.01E-02	0.00E+00	1.42E-03	1.71E-01
5.00E+01	8.26E-02	7.93E-02	0.00E+00	1.23E-03	1.63E-01
6.00E+01	8.53E-02	6.98E-02	0.00E+00	1.07E-03	1.56E-01
7.00E+01	8.77E-02	6.14E-02	0.00E+00	9.36E-04	1.50E-01
8.00E+01	8.99E-02	5.40E-02	0.00E+00	8.14E-04	1.45E-01
9.00E+01	9.19E-02	4.75E-02	0.00E+00	7.09E-04	1.40E-01
1.00E+02	9.36E-02	4.18E-02	0.00E+00	6.17E-04	1.36E-01
2.00E+02	1.04E-01	1.15E-02	0.00E+00	1.54E-04	1.15E-01
3.00E+02	1.07E-01	3.15E-03	0.00E+00	3.86E-05	1.10E-01
4.00E+02	1.07E-01	8.54E-04	0.00E+00	9.62E-06	1.08E-01
5.00E+02	1.07E-01	2.31E-04	0.00E+00	2.41E-06	1.07E-01
6.00E+02	1.07E-01	6.17E-05	0.00E+00	6.02E-07	1.07E-01
7.00E+02	1.07E-01	1.65E-05	0.00E+00	1.51E-07	1.07E-01
8.00E+02	1.06E-01	4.38E-06	0.00E+00	3.76E-08	1.06E-01
9.00E+02	1.06E-01	1.16E-06	0.00E+00	0.00E+00	1.06E-01
1.00E+03	1.06E-01	3.07E-07	0.00E+00	0.00E+00	1.06E-01
3.00E+03	9.76E-02	0.00E+00	0.00E+00	0.00E+00	9.76E-02
5.00E+03	9.07E-02	0.00E+00	0.00E+00	0.00E+00	9.07E-02
7.00E+03	8.43E-02	0.00E+00	0.00E+00	0.00E+00	8.43E-02
9.00E+03	7.84E-02	0.00E+00	0.00E+00	0.00E+00	7.84E-02
1.00E+04	7.57E-02	0.00E+00	0.00E+00	0.00E+00	7.57E-02

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		1.49E-03		8.10E-06
2.00E-01		2.84E-03		1.64E-04
3.00E-01		3.87E-03		8.29E-04
4.00E-01		4.65E-03		2.42E-03
5.00E-01		5.25E-03		5.28E-03
6.00E-01		5.70E-03		9.61E-03
7.00E-01		6.04E-03		1.55E-02
8.00E-01		6.30E-03		2.30E-02
9.00E-01		6.50E-03		3.19E-02
1.00E+00	6.66E-03	6.66E-03	4.21E-02	4.21E-02
2.00E+00	4.93E-04	7.15E-03	1.35E-01	1.77E-01
3.00E+00	8.24E-05	7.23E-03	1.14E-01	2.92E-01
4.00E+00	5.49E-05	7.29E-03	6.64E-02	3.58E-01
5.00E+00	5.24E-05	7.34E-03	3.41E-02	3.92E-01
6.00E+00	5.17E-05	7.39E-03	1.71E-02	4.09E-01
7.00E+00	5.11E-05	7.44E-03	8.78E-03	4.18E-01
8.00E+00	5.06E-05	7.49E-03	4.84E-03	4.23E-01
9.00E+00	5.02E-05	7.54E-03	2.97E-03	4.26E-01
1.00E+01	4.97E-05	7.59E-03	2.07E-03	4.28E-01
2.00E+01	4.56E-05	8.07E-03	1.08E-03	4.40E-01
3.00E+01	4.17E-05	8.50E-03	9.44E-04	4.50E-01
4.00E+01	3.81E-05	8.90E-03	8.22E-04	4.59E-01
5.00E+01	3.48E-05	9.26E-03	7.15E-04	4.67E-01
6.00E+01	3.18E-05	9.59E-03	6.23E-04	4.73E-01
7.00E+01	2.91E-05	9.90E-03	5.42E-04	4.79E-01
8.00E+01	2.65E-05	1.02E-02	4.72E-04	4.84E-01
9.00E+01	2.43E-05	1.04E-02	4.11E-04	4.89E-01
1.00E+02	2.22E-05	1.07E-02	3.58E-04	4.92E-01
2.00E+02	9.70E-06	1.21E-02	8.93E-05	5.12E-01
3.00E+02	5.47E-06	1.29E-02	2.24E-05	5.15E-01
4.00E+02	4.13E-06	1.33E-02	5.58E-06	5.17E-01
5.00E+02	3.71E-06	1.37E-02	1.40E-06	5.17E-01
6.00E+02	3.58E-06	1.41E-02	3.48E-07	5.17E-01
7.00E+02	3.53E-06	1.44E-02	8.70E-08	5.17E-01
8.00E+02	3.51E-06	1.48E-02	2.17E-08	5.16E-01
9.00E+02	3.49E-06	1.50E-02	0.00E+00	5.16E-01
1.00E+03	3.48E-06	1.54E-02	0.00E+00	5.16E-01
3.00E+03	3.18E-06	2.19E-02	0.00E+00	5.12E-01
5.00E+03	2.92E-06	2.78E-02	0.00E+00	5.06E-01
7.00E+03	2.68E-06	3.31E-02	0.00E+00	5.02E-01
9.00E+03	2.47E-06	3.80E-02	0.00E+00	4.98E-01
1.00E+04	2.36E-06	4.02E-02	0.00E+00	4.96E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	6.95E-02	2.76E-01	2.35E-01	5.72E-02	6.38E-01
2.00E-01	6.83E-02	2.65E-01	1.97E-01	1.05E-01	6.36E-01
3.00E-01	6.73E-02	2.56E-01	1.66E-01	1.46E-01	6.34E-01
4.00E-01	6.66E-02	2.47E-01	1.39E-01	1.79E-01	6.32E-01
5.00E-01	6.61E-02	2.40E-01	1.17E-01	2.06E-01	6.29E-01
6.00E-01	6.57E-02	2.33E-01	9.86E-02	2.27E-01	6.24E-01
7.00E-01	6.54E-02	2.27E-01	8.29E-02	2.43E-01	6.18E-01
8.00E-01	6.52E-02	2.21E-01	6.97E-02	2.54E-01	6.10E-01
9.00E-01	6.51E-02	2.16E-01	5.86E-02	2.61E-01	6.01E-01
1.00E+00	6.50E-02	2.11E-01	4.93E-02	2.65E-01	5.90E-01
2.00E+00	6.51E-02	1.77E-01	8.72E-03	2.03E-01	4.55E-01
3.00E+00	6.55E-02	1.60E-01	1.54E-03	1.13E-01	3.40E-01
4.00E+00	6.60E-02	1.50E-01	2.72E-04	5.72E-02	2.74E-01
5.00E+00	6.64E-02	1.45E-01	4.82E-05	2.85E-02	2.39E-01
6.00E+00	6.68E-02	1.41E-01	8.51E-06	1.47E-02	2.22E-01
7.00E+00	6.73E-02	1.38E-01	1.51E-06	8.13E-03	2.14E-01
8.00E+00	6.77E-02	1.36E-01	2.66E-07	5.04E-03	2.09E-01
9.00E+00	6.81E-02	1.34E-01	4.70E-08	3.55E-03	2.06E-01
1.00E+01	6.86E-02	1.32E-01	0.00E+00	2.82E-03	2.03E-01
2.00E+01	7.26E-02	1.16E-01	0.00E+00	1.87E-03	1.91E-01
3.00E+01	7.63E-02	1.02E-01	0.00E+00	1.63E-03	1.80E-01
4.00E+01	7.96E-02	9.01E-02	0.00E+00	1.42E-03	1.71E-01
5.00E+01	8.26E-02	7.93E-02	0.00E+00	1.23E-03	1.63E-01
6.00E+01	8.53E-02	6.98E-02	0.00E+00	1.07E-03	1.56E-01
7.00E+01	8.77E-02	6.14E-02	0.00E+00	9.36E-04	1.50E-01
8.00E+01	8.99E-02	5.40E-02	0.00E+00	8.14E-04	1.45E-01
9.00E+01	9.19E-02	4.75E-02	0.00E+00	7.09E-04	1.40E-01
1.00E+02	9.36E-02	4.18E-02	0.00E+00	6.17E-04	1.36E-01
2.00E+02	1.04E-01	1.15E-02	0.00E+00	1.54E-04	1.15E-01
3.00E+02	1.07E-01	3.15E-03	0.00E+00	3.86E-05	1.10E-01
4.00E+02	1.07E-01	8.55E-04	0.00E+00	9.64E-06	1.08E-01
5.00E+02	1.07E-01	2.31E-04	0.00E+00	2.41E-06	1.07E-01
6.00E+02	1.07E-01	6.19E-05	0.00E+00	6.03E-07	1.07E-01
7.00E+02	1.07E-01	1.65E-05	0.00E+00	1.51E-07	1.07E-01
8.00E+02	1.06E-01	4.39E-06	0.00E+00	3.77E-08	1.06E-01
9.00E+02	1.06E-01	1.16E-06	0.00E+00	0.00E+00	1.06E-01
1.00E+03	1.06E-01	3.08E-07	0.00E+00	0.00E+00	1.06E-01
3.00E+03	9.88E-02	0.00E+00	0.00E+00	0.00E+00	9.88E-02
5.00E+03	9.26E-02	0.00E+00	0.00E+00	0.00E+00	9.26E-02
7.00E+03	8.68E-02	0.00E+00	0.00E+00	0.00E+00	8.68E-02
9.00E+03	8.14E-02	0.00E+00	0.00E+00	0.00E+00	8.14E-02
1.00E+04	7.89E-02	0.00E+00	0.00E+00	0.00E+00	7.89E-02

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		1.49E-03		8.10E-06
2.00E-01		2.84E-03		1.64E-04
3.00E-01		3.87E-03		8.29E-04
4.00E-01		4.65E-03		2.42E-03
5.00E-01		5.25E-03		5.28E-03
6.00E-01		5.70E-03		9.61E-03
7.00E-01		6.04E-03		1.55E-02
8.00E-01		6.30E-03		2.30E-02
9.00E-01		6.50E-03		3.19E-02
1.00E+00	6.66E-03	6.66E-03	4.21E-02	4.21E-02
2.00E+00	4.93E-04	7.15E-03	1.35E-01	1.77E-01
3.00E+00	8.24E-05	7.23E-03	1.14E-01	2.92E-01
4.00E+00	5.49E-05	7.29E-03	6.64E-02	3.58E-01
5.00E+00	5.24E-05	7.34E-03	3.41E-02	3.92E-01
6.00E+00	5.17E-05	7.39E-03	1.71E-02	4.09E-01
7.00E+00	5.11E-05	7.44E-03	8.78E-03	4.18E-01
8.00E+00	5.06E-05	7.49E-03	4.84E-03	4.23E-01
9.00E+00	5.02E-05	7.54E-03	2.97E-03	4.26E-01
1.00E+01	4.97E-05	7.59E-03	2.07E-03	4.28E-01
2.00E+01	4.56E-05	8.07E-03	1.08E-03	4.40E-01
3.00E+01	4.17E-05	8.50E-03	9.44E-04	4.50E-01
4.00E+01	3.81E-05	8.90E-03	8.22E-04	4.59E-01
5.00E+01	3.48E-05	9.26E-03	7.15E-04	4.67E-01
6.00E+01	3.18E-05	9.59E-03	6.23E-04	4.73E-01
7.00E+01	2.91E-05	9.90E-03	5.42E-04	4.79E-01
8.00E+01	2.65E-05	1.02E-02	4.72E-04	4.84E-01
9.00E+01	2.43E-05	1.04E-02	4.11E-04	4.89E-01
1.00E+02	2.22E-05	1.07E-02	3.58E-04	4.92E-01
2.00E+02	9.71E-06	1.21E-02	8.94E-05	5.12E-01
3.00E+02	5.48E-06	1.29E-02	2.24E-05	5.16E-01
4.00E+02	4.14E-06	1.33E-02	5.59E-06	5.18E-01
5.00E+02	3.72E-06	1.37E-02	1.40E-06	5.18E-01
6.00E+02	3.59E-06	1.41E-02	3.49E-07	5.18E-01
7.00E+02	3.54E-06	1.44E-02	8.73E-08	5.18E-01
8.00E+02	3.52E-06	1.48E-02	2.18E-08	5.18E-01
9.00E+02	3.50E-06	1.51E-02	0.00E+00	5.18E-01
1.00E+03	3.49E-06	1.55E-02	0.00E+00	5.18E-01
3.00E+03	3.22E-06	2.22E-02	0.00E+00	5.18E-01
5.00E+03	2.98E-06	2.84E-02	0.00E+00	5.17E-01
7.00E+03	2.76E-06	3.41E-02	0.00E+00	5.17E-01
9.00E+03	2.47E-06	3.80E-02	0.00E+00	4.98E-01
1.00E+04	2.36E-06	4.02E-02	0.00E+00	4.96E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	6.95E-02	2.76E-01	2.35E-01	5.71E-02	6.37E-01
2.00E-01	6.82E-02	2.65E-01	1.97E-01	1.05E-01	6.36E-01
3.00E-01	6.72E-02	2.55E-01	1.66E-01	1.45E-01	6.34E-01
4.00E-01	6.65E-02	2.47E-01	1.39E-01	1.78E-01	6.31E-01
5.00E-01	6.59E-02	2.39E-01	1.17E-01	2.05E-01	6.27E-01
6.00E-01	6.55E-02	2.32E-01	9.84E-02	2.26E-01	6.22E-01
7.00E-01	6.52E-02	2.26E-01	8.27E-02	2.42E-01	6.16E-01
8.00E-01	6.50E-02	2.20E-01	6.95E-02	2.53E-01	6.08E-01
9.00E-01	6.48E-02	2.15E-01	5.84E-02	2.60E-01	5.98E-01
1.00E+00	6.47E-02	2.10E-01	4.91E-02	2.64E-01	5.88E-01
2.00E+00	6.45E-02	1.76E-01	8.64E-03	2.02E-01	4.51E-01
3.00E+00	6.47E-02	1.58E-01	1.52E-03	1.12E-01	3.36E-01
4.00E+00	6.48E-02	1.48E-01	2.68E-04	5.62E-02	2.69E-01
5.00E+00	6.50E-02	1.42E-01	4.71E-05	2.79E-02	2.34E-01
6.00E+00	6.52E-02	1.37E-01	8.30E-06	1.43E-02	2.17E-01
7.00E+00	6.53E-02	1.34E-01	1.46E-06	7.90E-03	2.07E-01
8.00E+00	6.54E-02	1.31E-01	2.57E-07	4.87E-03	2.02E-01
9.00E+00	6.56E-02	1.29E-01	4.53E-08	3.41E-03	1.98E-01
1.00E+01	6.57E-02	1.27E-01	0.00E+00	2.70E-03	1.95E-01
2.00E+01	6.67E-02	1.07E-01	0.00E+00	1.72E-03	1.75E-01
3.00E+01	6.71E-02	9.00E-02	0.00E+00	1.43E-03	1.59E-01
4.00E+01	6.71E-02	7.60E-02	0.00E+00	1.20E-03	1.44E-01
5.00E+01	6.67E-02	6.41E-02	0.00E+00	9.98E-04	1.32E-01
6.00E+01	6.60E-02	5.40E-02	0.00E+00	8.32E-04	1.21E-01
7.00E+01	6.51E-02	4.56E-02	0.00E+00	6.94E-04	1.11E-01
8.00E+01	6.40E-02	3.84E-02	0.00E+00	5.79E-04	1.03E-01
9.00E+01	6.26E-02	3.24E-02	0.00E+00	4.83E-04	9.55E-02
1.00E+02	6.12E-02	2.73E-02	0.00E+00	4.03E-04	8.89E-02
2.00E+02	4.42E-02	4.92E-03	0.00E+00	6.59E-05	4.92E-02
3.00E+02	2.97E-02	8.79E-04	0.00E+00	1.08E-05	3.06E-02
4.00E+02	1.95E-02	1.56E-04	0.00E+00	1.76E-06	1.97E-02
5.00E+02	1.28E-02	2.74E-05	0.00E+00	2.87E-07	1.28E-02
6.00E+02	8.31E-03	4.81E-06	0.00E+00	4.69E-08	8.32E-03
7.00E+02	5.41E-03	8.39E-07	0.00E+00	0.00E+00	5.42E-03
8.00E+02	3.53E-03	1.46E-07	0.00E+00	0.00E+00	3.53E-03
9.00E+02	2.30E-03	2.52E-08	0.00E+00	0.00E+00	2.30E-03
1.00E+03	1.49E-03	0.00E+00	0.00E+00	0.00E+00	1.49E-03
2.00E+03	2.05E-05	0.00E+00	0.00E+00	0.00E+00	2.05E-05
3.00E+03	2.80E-07	0.00E+00	0.00E+00	0.00E+00	2.80E-07

CLASS W

AMAD = 1 MICRON

HALFLIFE= 1.63E+02 DAYS

CURIUM 242

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		1.49E-03		8.10E-06
2.00E-01		2.84E-03		1.64E-04
3.00E-01		3.87E-03		8.28E-04
4.00E-01		4.64E-03		2.42E-03
5.00E-01		5.23E-03		5.27E-03
6.00E-01		5.68E-03		9.59E-03
7.00E-01		6.02E-03		1.55E-02
8.00E-01		6.28E-03		2.29E-02
9.00E-01		6.48E-03		3.18E-02
1.00E+00	6.63E-03	6.63E-03	4.20E-02	4.20E-02
2.00E+00	4.89E-04	7.09E-03	1.34E-01	1.76E-01
3.00E+00	8.13E-05	7.14E-03	1.13E-01	2.88E-01
4.00E+00	5.40E-05	7.17E-03	6.53E-02	3.52E-01
5.00E+00	5.13E-05	7.19E-03	3.34E-02	3.84E-01
6.00E+00	5.04E-05	7.21E-03	1.66E-02	3.99E-01
7.00E+00	4.96E-05	7.23E-03	8.52E-03	4.06E-01
8.00E+00	4.90E-05	7.24E-03	4.67E-03	4.09E-01
9.00E+00	4.83E-05	7.26E-03	2.85E-03	4.10E-01
1.00E+01	4.77E-05	7.28E-03	1.98E-03	4.10E-01
2.00E+01	4.18E-05	7.41E-03	9.96E-04	4.04E-01
3.00E+01	3.67E-05	7.48E-03	8.31E-04	3.96E-01
4.00E+01	3.21E-05	7.51E-03	6.93E-04	3.87E-01
5.00E+01	2.81E-05	7.49E-03	5.78E-04	3.77E-01
6.00E+01	2.46E-05	7.43E-03	4.82E-04	3.67E-01
7.00E+01	2.16E-05	7.35E-03	4.02E-04	3.56E-01
8.00E+01	1.89E-05	7.24E-03	3.36E-04	3.44E-01
9.00E+01	1.65E-05	7.11E-03	2.80E-04	3.33E-01
1.00E+02	1.45E-05	6.96E-03	2.34E-04	3.22E-01
2.00E+02	4.15E-06	5.18E-03	3.82E-05	2.18E-01
3.00E+02	1.53E-06	3.58E-03	6.23E-06	1.44E-01
4.00E+02	7.53E-07	2.43E-03	1.02E-06	9.43E-02
5.00E+02	4.43E-07	1.63E-03	1.66E-07	6.16E-02
6.00E+02	2.79E-07	1.09E-03	2.71E-08	4.03E-02
7.00E+02	1.80E-07	7.33E-04	0.00E+00	2.63E-02
8.00E+02	1.17E-07	4.90E-04	0.00E+00	1.72E-02
9.00E+02	7.59E-08	3.28E-04	0.00E+00	1.12E-02
1.00E+03	4.94E-08	2.19E-04	0.00E+00	7.33E-03

4. TABLES OF RETENTION AND EXCRETION FRACTIONS FOR SINGLE INHALATION
OF CLASS Y AEROSOLS

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	3.61E-03	3.04E-01	2.58E-01	7.30E-02	6.39E-01
2.00E-01	3.47E-03	2.85E-01	2.17E-01	1.33E-01	6.38E-01
3.00E-01	3.43E-03	2.70E-01	1.82E-01	1.81E-01	6.37E-01
4.00E-01	3.45E-03	2.57E-01	1.53E-01	2.21E-01	6.35E-01
5.00E-01	3.48E-03	2.47E-01	1.29E-01	2.52E-01	6.31E-01
6.00E-01	3.51E-03	2.38E-01	1.08E-01	2.75E-01	6.26E-01
7.00E-01	3.54E-03	2.31E-01	9.12E-02	2.92E-01	6.18E-01
8.00E-01	3.57E-03	2.24E-01	7.67E-02	3.04E-01	6.09E-01
9.00E-01	3.59E-03	2.19E-01	6.45E-02	3.11E-01	5.98E-01
1.00E+00	3.61E-03	2.13E-01	5.42E-02	3.14E-01	5.85E-01
2.00E+00	3.66E-03	1.80E-01	9.59E-03	2.31E-01	4.25E-01
3.00E+00	3.67E-03	1.65E-01	1.70E-03	1.24E-01	2.94E-01
4.00E+00	3.66E-03	1.57E-01	3.00E-04	6.04E-02	2.21E-01
5.00E+00	3.64E-03	1.53E-01	5.30E-05	2.84E-02	1.85E-01
6.00E+00	3.62E-03	1.51E-01	9.37E-06	1.34E-02	1.68E-01
7.00E+00	3.59E-03	1.49E-01	1.66E-06	6.40E-03	1.59E-01
8.00E+00	3.57E-03	1.49E-01	2.93E-07	3.16E-03	1.56E-01
9.00E+00	3.55E-03	1.48E-01	5.17E-08	1.64E-03	1.54E-01
1.00E+01	3.53E-03	1.48E-01	0.00E+00	9.16E-04	1.53E-01
2.00E+01	3.37E-03	1.46E-01	0.00E+00	2.35E-04	1.50E-01
3.00E+01	3.29E-03	1.45E-01	0.00E+00	2.31E-04	1.48E-01
4.00E+01	3.27E-03	1.43E-01	0.00E+00	2.28E-04	1.47E-01
5.00E+01	3.28E-03	1.42E-01	0.00E+00	2.25E-04	1.45E-01
6.00E+01	3.31E-03	1.41E-01	0.00E+00	2.22E-04	1.44E-01
7.00E+01	3.35E-03	1.39E-01	0.00E+00	2.19E-04	1.43E-01
8.00E+01	3.40E-03	1.38E-01	0.00E+00	2.16E-04	1.41E-01
9.00E+01	3.46E-03	1.36E-01	0.00E+00	2.13E-04	1.40E-01
1.00E+02	3.52E-03	1.35E-01	0.00E+00	2.10E-04	1.39E-01
2.00E+02	4.16E-03	1.22E-01	0.00E+00	1.83E-04	1.26E-01
3.00E+02	4.79E-03	1.10E-01	0.00E+00	1.59E-04	1.15E-01
4.00E+02	5.39E-03	9.98E-02	0.00E+00	1.38E-04	1.05E-01
5.00E+02	5.96E-03	9.06E-02	0.00E+00	1.21E-04	9.66E-02
6.00E+02	6.49E-03	8.23E-02	0.00E+00	1.05E-04	8.89E-02
7.00E+02	6.97E-03	7.49E-02	0.00E+00	9.14E-05	8.20E-02
8.00E+02	7.41E-03	6.83E-02	0.00E+00	7.95E-05	7.58E-02
9.00E+02	7.81E-03	6.23E-02	0.00E+00	6.92E-05	7.02E-02
1.00E+03	8.17E-03	5.70E-02	0.00E+00	6.03E-05	6.52E-02
2.00E+03	9.62E-03	2.55E-02	0.00E+00	1.51E-05	3.51E-02
3.00E+03	8.62E-03	1.34E-02	0.00E+00	3.77E-06	2.20E-02
4.00E+03	6.79E-03	8.25E-03	0.00E+00	9.42E-07	1.50E-02
5.00E+03	4.98E-03	5.92E-03	0.00E+00	2.35E-07	1.09E-02
7.00E+03	2.38E-03	4.27E-03	0.00E+00	1.47E-08	6.65E-03
8.00E+03	1.59E-03	4.00E-03	0.00E+00	0.00E+00	5.59E-03
9.00E+03	1.05E-03	3.87E-03	0.00E+00	0.00E+00	4.91E-03
1.00E+04	6.81E-04	3.80E-03	0.00E+00	0.00E+00	4.48E-03
2.00E+04	7.48E-06	3.74E-03	0.00E+00	0.00E+00	3.74E-03

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		3.32E-04		1.04E-05
2.00E-01		6.45E-04		2.10E-04
3.00E-01		9.03E-04		1.06E-03
4.00E-01		1.12E-03		3.07E-03
5.00E-01		1.31E-03		6.65E-03
6.00E-01		1.47E-03		1.21E-02
7.00E-01		1.62E-03		1.94E-02
8.00E-01		1.74E-03		2.86E-02
9.00E-01		1.85E-03		3.95E-02
1.00E+00	1.95E-03	1.95E-03	5.19E-02	5.19E-02
2.00E+00	4.98E-04	2.45E-03	1.60E-01	2.12E-01
3.00E+00	1.63E-04	2.61E-03	1.30E-01	3.42E-01
4.00E+00	8.44E-05	2.69E-03	7.32E-02	4.15E-01
5.00E+00	6.15E-05	2.75E-03	3.62E-02	4.52E-01
6.00E+00	5.24E-05	2.81E-03	1.72E-02	4.69E-01
7.00E+00	4.76E-05	2.85E-03	8.08E-03	4.77E-01
8.00E+00	4.45E-05	2.90E-03	3.86E-03	4.81E-01
9.00E+00	4.24E-05	2.94E-03	1.90E-03	4.83E-01
1.00E+01	4.06E-05	2.98E-03	9.80E-04	4.84E-01
2.00E+01	2.97E-05	3.32E-03	1.35E-04	4.86E-01
3.00E+01	2.30E-05	3.58E-03	1.32E-04	4.87E-01
4.00E+01	1.88E-05	3.78E-03	1.31E-04	4.88E-01
5.00E+01	1.62E-05	3.96E-03	1.29E-04	4.90E-01
6.00E+01	1.46E-05	4.11E-03	1.27E-04	4.91E-01
7.00E+01	1.36E-05	4.25E-03	1.25E-04	4.92E-01
8.00E+01	1.30E-05	4.38E-03	1.23E-04	4.93E-01
9.00E+01	1.26E-05	4.51E-03	1.22E-04	4.95E-01
1.00E+02	1.24E-05	4.63E-03	1.20E-04	4.96E-01
2.00E+02	1.25E-05	5.87E-03	1.05E-04	5.07E-01
3.00E+02	1.28E-05	7.13E-03	9.10E-05	5.17E-01
4.00E+02	1.30E-05	8.42E-03	7.92E-05	5.25E-01
5.00E+02	1.32E-05	9.73E-03	6.90E-05	5.33E-01
7.00E+02	1.32E-05	1.24E-02	5.23E-05	5.45E-01
8.00E+02	1.31E-05	1.37E-02	4.55E-05	5.50E-01
9.00E+02	1.30E-05	1.50E-02	3.96E-05	5.54E-01
1.00E+03	1.28E-05	1.63E-02	3.45E-05	5.58E-01
2.00E+03	9.97E-06	2.78E-02	8.62E-06	5.76E-01
3.00E+03	7.00E-06	3.62E-02	2.16E-06	5.81E-01
4.00E+03	4.71E-06	4.20E-02	5.39E-07	5.82E-01
5.00E+03	3.10E-06	4.59E-02	1.35E-07	5.82E-01
7.00E+03	1.30E-06	5.00E-02	0.00E+00	5.82E-01
8.00E+03	8.36E-07	5.11E-02	0.00E+00	5.82E-01
9.00E+03	5.34E-07	5.17E-02	0.00E+00	5.82E-01
1.00E+04	3.40E-07	5.22E-02	0.00E+00	5.82E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	5.03E-02	3.04E-01	2.58E-01	2.67E-02	6.39E-01
2.00E-01	1.13E-01	2.85E-01	2.17E-01	2.44E-02	6.39E-01
3.00E-01	1.66E-01	2.70E-01	1.82E-01	2.04E-02	6.39E-01
4.00E-01	2.11E-01	2.57E-01	1.53E-01	1.70E-02	6.39E-01
5.00E-01	2.49E-01	2.47E-01	1.29E-01	1.43E-02	6.39E-01
6.00E-01	2.80E-01	2.38E-01	1.08E-01	1.20E-02	6.39E-01
7.00E-01	3.07E-01	2.31E-01	9.12E-02	1.02E-02	6.39E-01
8.00E-01	3.29E-01	2.24E-01	7.67E-02	8.68E-03	6.39E-01
9.00E-01	3.49E-01	2.19E-01	6.45E-02	7.42E-03	6.39E-01
1.00E+00	3.65E-01	2.13E-01	5.42E-02	6.37E-03	6.39E-01
2.00E+00	4.47E-01	1.80E-01	9.59E-03	1.69E-03	6.39E-01
3.00E+00	4.72E-01	1.65E-01	1.70E-03	6.01E-04	6.39E-01
4.00E+00	4.82E-01	1.57E-01	3.00E-04	2.61E-04	6.39E-01
5.00E+00	4.86E-01	1.53E-01	5.30E-05	1.26E-04	6.39E-01
6.00E+00	4.89E-01	1.51E-01	9.37E-06	6.43E-05	6.39E-01
7.00E+00	4.90E-01	1.49E-01	1.66E-06	3.48E-05	6.39E-01
8.00E+00	4.90E-01	1.49E-01	2.93E-07	2.02E-05	6.39E-01
9.00E+00	4.91E-01	1.48E-01	5.17E-08	1.29E-05	6.39E-01
1.00E+01	4.91E-01	1.48E-01	0.00E+00	9.30E-06	6.39E-01
2.00E+01	4.93E-01	1.46E-01	0.00E+00	5.61E-06	6.39E-01
3.00E+01	4.94E-01	1.45E-01	0.00E+00	5.52E-06	6.39E-01
4.00E+01	4.96E-01	1.43E-01	0.00E+00	5.45E-06	6.39E-01
5.00E+01	4.97E-01	1.42E-01	0.00E+00	5.37E-06	6.39E-01
6.00E+01	4.99E-01	1.41E-01	0.00E+00	5.30E-06	6.39E-01
7.00E+01	5.00E-01	1.39E-01	0.00E+00	5.23E-06	6.39E-01
8.00E+01	5.01E-01	1.38E-01	0.00E+00	5.15E-06	6.39E-01
9.00E+01	5.03E-01	1.36E-01	0.00E+00	5.08E-06	6.39E-01
1.00E+02	5.04E-01	1.35E-01	0.00E+00	5.01E-06	6.39E-01
2.00E+02	5.17E-01	1.22E-01	0.00E+00	4.36E-06	6.39E-01
3.00E+02	5.29E-01	1.10E-01	0.00E+00	3.80E-06	6.39E-01
4.00E+02	5.39E-01	9.98E-02	0.00E+00	3.31E-06	6.39E-01
5.00E+02	5.49E-01	9.06E-02	0.00E+00	2.88E-06	6.39E-01
6.00E+02	5.57E-01	8.23E-02	0.00E+00	2.51E-06	6.39E-01
7.00E+02	5.64E-01	7.49E-02	0.00E+00	2.18E-06	6.39E-01
8.00E+02	5.71E-01	6.83E-02	0.00E+00	1.90E-06	6.39E-01
9.00E+02	5.77E-01	6.23E-02	0.00E+00	1.65E-06	6.39E-01
1.00E+03	5.82E-01	5.70E-02	0.00E+00	1.44E-06	6.39E-01
2.00E+03	6.14E-01	2.55E-02	0.00E+00	3.60E-07	6.39E-01
3.00E+03	6.26E-01	1.34E-02	0.00E+00	9.00E-08	6.39E-01
4.00E+03	6.31E-01	8.25E-03	0.00E+00	2.25E-08	6.39E-01
5.00E+03	6.33E-01	5.92E-03	0.00E+00	0.00E+00	6.39E-01
7.00E+03	6.35E-01	4.27E-03	0.00E+00	0.00E+00	6.39E-01
8.00E+03	6.35E-01	4.00E-03	0.00E+00	0.00E+00	6.39E-01
9.00E+03	6.35E-01	3.87E-03	0.00E+00	0.00E+00	6.39E-01
1.00E+04	6.35E-01	3.80E-03	0.00E+00	0.00E+00	6.39E-01
2.00E+04	6.35E-01	3.74E-03	0.00E+00	0.00E+00	6.39E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	3.97E-03	3.04E-01	2.58E-01	7.30E-02	6.39E-01
2.00E-01	4.28E-03	2.85E-01	2.17E-01	1.33E-01	6.39E-01
3.00E-01	4.70E-03	2.70E-01	1.82E-01	1.81E-01	6.38E-01
4.00E-01	5.13E-03	2.57E-01	1.53E-01	2.20E-01	6.36E-01
5.00E-01	5.54E-03	2.47E-01	1.29E-01	2.51E-01	6.32E-01
6.00E-01	5.90E-03	2.38E-01	1.08E-01	2.74E-01	6.27E-01
7.00E-01	6.21E-03	2.31E-01	9.12E-02	2.91E-01	6.20E-01
8.00E-01	6.48E-03	2.24E-01	7.67E-02	3.03E-01	6.10E-01
9.00E-01	6.70E-03	2.19E-01	6.45E-02	3.10E-01	6.00E-01
1.00E+00	6.88E-03	2.13E-01	5.42E-02	3.13E-01	5.87E-01
2.00E+00	7.57E-03	1.80E-01	9.59E-03	2.30E-01	4.27E-01
3.00E+00	7.50E-03	1.65E-01	1.70E-03	1.24E-01	2.97E-01
4.00E+00	7.28E-03	1.57E-01	3.00E-04	6.00E-02	2.24E-01
5.00E+00	7.03E-03	1.53E-01	5.30E-05	2.83E-02	1.88E-01
6.00E+00	6.79E-03	1.51E-01	9.37E-06	1.33E-02	1.71E-01
7.00E+00	6.56E-03	1.49E-01	1.66E-06	6.37E-03	1.62E-01
8.00E+00	6.36E-03	1.49E-01	2.93E-07	3.14E-03	1.58E-01
9.00E+00	6.18E-03	1.48E-01	5.17E-08	1.63E-03	1.56E-01
1.00E+01	6.02E-03	1.48E-01	0.00E+00	9.11E-04	1.55E-01
2.00E+01	5.09E-03	1.46E-01	0.00E+00	2.34E-04	1.52E-01
3.00E+01	4.70E-03	1.45E-01	0.00E+00	2.30E-04	1.50E-01
4.00E+01	4.46E-03	1.43E-01	0.00E+00	2.27E-04	1.48E-01
5.00E+01	4.26E-03	1.42E-01	0.00E+00	2.24E-04	1.46E-01
6.00E+01	4.09E-03	1.41E-01	0.00E+00	2.21E-04	1.45E-01
7.00E+01	3.93E-03	1.39E-01	0.00E+00	2.18E-04	1.43E-01
8.00E+01	3.78E-03	1.38E-01	0.00E+00	2.15E-04	1.42E-01
9.00E+01	3.64E-03	1.36E-01	0.00E+00	2.12E-04	1.40E-01
1.00E+02	3.51E-03	1.35E-01	0.00E+00	2.09E-04	1.39E-01
2.00E+02	2.62E-03	1.22E-01	0.00E+00	1.82E-04	1.25E-01
3.00E+02	2.18E-03	1.10E-01	0.00E+00	1.58E-04	1.13E-01
4.00E+02	1.95E-03	9.98E-02	0.00E+00	1.38E-04	1.02E-01
5.00E+02	1.83E-03	9.06E-02	0.00E+00	1.20E-04	9.25E-02
6.00E+02	1.75E-03	8.23E-02	0.00E+00	1.04E-04	8.42E-02
7.00E+02	1.70E-03	7.49E-02	0.00E+00	9.09E-05	7.67E-02
8.00E+02	1.64E-03	6.83E-02	0.00E+00	7.91E-05	7.00E-02
9.00E+02	1.59E-03	6.23E-02	0.00E+00	6.89E-05	6.40E-02
1.00E+03	1.54E-03	5.70E-02	0.00E+00	6.00E-05	5.86E-02
2.00E+03	9.61E-04	2.55E-02	0.00E+00	1.50E-05	2.64E-02
3.00E+03	5.29E-04	1.34E-02	0.00E+00	3.75E-06	1.39E-02
4.00E+03	2.77E-04	8.25E-03	0.00E+00	9.37E-07	8.53E-03
5.00E+03	1.41E-04	5.92E-03	0.00E+00	2.34E-07	6.06E-03
6.00E+03	7.14E-05	4.81E-03	0.00E+00	5.86E-08	4.88E-03
7.00E+03	3.59E-05	4.27E-03	0.00E+00	1.46E-08	4.30E-03
8.00E+03	1.80E-05	4.00E-03	0.00E+00	0.00E+00	4.02E-03
9.00E+03	9.01E-06	3.87E-03	0.00E+00	0.00E+00	3.88E-03
1.00E+04	4.51E-06	3.80E-03	0.00E+00	0.00E+00	3.81E-03

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		2.00E-05		1.04E-05
2.00E-01		4.44E-05		2.10E-04
3.00E-01		7.07E-05		1.05E-03
4.00E-01		9.95E-05		3.06E-03
5.00E-01		1.31E-04		6.64E-03
6.00E-01		1.64E-04		1.20E-02
7.00E-01		1.99E-04		1.93E-02
8.00E-01		2.35E-04		2.85E-02
9.00E-01		2.73E-04		3.93E-02
1.00E+00	3.11E-04	3.11E-04	5.17E-02	5.17E-02
2.00E+00	4.04E-04	7.15E-04	1.59E-01	2.11E-01
3.00E+00	3.89E-04	1.10E-03	1.30E-01	3.41E-01
4.00E+00	3.54E-04	1.46E-03	7.28E-02	4.13E-01
5.00E+00	3.18E-04	1.78E-03	3.60E-02	4.49E-01
6.00E+00	2.84E-04	2.06E-03	1.71E-02	4.66E-01
7.00E+00	2.53E-04	2.31E-03	8.04E-03	4.74E-01
8.00E+00	2.26E-04	2.54E-03	3.84E-03	4.78E-01
9.00E+00	2.03E-04	2.74E-03	1.89E-03	4.80E-01
1.00E+01	1.82E-04	2.92E-03	9.75E-04	4.81E-01
2.00E+01	7.56E-05	4.04E-03	1.34E-04	4.83E-01
3.00E+01	4.80E-05	4.62E-03	1.32E-04	4.85E-01
4.00E+01	4.02E-05	5.05E-03	1.30E-04	4.86E-01
5.00E+01	3.73E-05	5.43E-03	1.28E-04	4.87E-01
6.00E+01	3.57E-05	5.80E-03	1.26E-04	4.88E-01
7.00E+01	3.45E-05	6.15E-03	1.25E-04	4.90E-01
8.00E+01	3.35E-05	6.49E-03	1.23E-04	4.91E-01
9.00E+01	3.25E-05	6.82E-03	1.21E-04	4.92E-01
1.00E+02	3.17E-05	7.14E-03	1.19E-04	4.93E-01
2.00E+02	2.55E-05	9.96E-03	1.04E-04	5.05E-01
3.00E+02	2.25E-05	1.23E-02	9.06E-05	5.14E-01
4.00E+02	2.09E-05	1.45E-02	7.88E-05	5.23E-01
5.00E+02	1.99E-05	1.65E-02	6.86E-05	5.30E-01
7.00E+02	1.86E-05	2.04E-02	5.20E-05	5.42E-01
8.00E+02	1.81E-05	2.22E-02	4.53E-05	5.47E-01
9.00E+02	1.75E-05	2.40E-02	3.94E-05	5.51E-01
1.00E+03	1.69E-05	2.57E-02	3.43E-05	5.55E-01
2.00E+03	1.04E-05	3.93E-02	8.58E-06	5.73E-01
3.00E+03	5.73E-06	4.72E-02	2.14E-06	5.78E-01
4.00E+03	2.99E-06	5.14E-02	5.36E-07	5.79E-01
5.00E+03	1.53E-06	5.36E-02	1.34E-07	5.79E-01
7.00E+03	3.87E-07	5.53E-02	0.00E+00	5.80E-01
8.00E+03	1.94E-07	5.56E-02	0.00E+00	5.80E-01
9.00E+03	9.72E-08	5.57E-02	0.00E+00	5.80E-01
1.00E+04	4.86E-08	5.58E-02	0.00E+00	5.80E-01

CLASS Y

AMAD = 1 MICRON

STABLE

SCANDIUM 45

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	3.89E-03	3.04E-01	2.58E-01	7.31E-02	6.39E-01
2.00E-01	3.90E-03	2.85E-01	2.17E-01	1.33E-01	6.39E-01
3.00E-01	3.90E-03	2.70E-01	1.82E-01	1.82E-01	6.38E-01
4.00E-01	3.90E-03	2.57E-01	1.53E-01	2.21E-01	6.36E-01
5.00E-01	3.90E-03	2.47E-01	1.29E-01	2.52E-01	6.32E-01
6.00E-01	3.90E-03	2.38E-01	1.08E-01	2.76E-01	6.27E-01
7.00E-01	3.90E-03	2.31E-01	9.12E-02	2.94E-01	6.20E-01
8.00E-01	3.90E-03	2.24E-01	7.67E-02	3.05E-01	6.10E-01
9.00E-01	3.90E-03	2.19E-01	6.45E-02	3.13E-01	5.99E-01
1.00E+00	3.90E-03	2.13E-01	5.42E-02	3.15E-01	5.87E-01
2.00E+00	3.88E-03	1.80E-01	9.59E-03	2.32E-01	4.26E-01
3.00E+00	3.86E-03	1.65E-01	1.70E-03	1.25E-01	2.95E-01
4.00E+00	3.84E-03	1.57E-01	3.00E-04	6.07E-02	2.22E-01
5.00E+00	3.83E-03	1.53E-01	5.30E-05	2.86E-02	1.85E-01
6.00E+00	3.82E-03	1.51E-01	9.37E-06	1.34E-02	1.68E-01
7.00E+00	3.81E-03	1.49E-01	1.66E-06	6.44E-03	1.60E-01
8.00E+00	3.80E-03	1.49E-01	2.93E-07	3.18E-03	1.56E-01
9.00E+00	3.80E-03	1.48E-01	5.17E-08	1.65E-03	1.54E-01
1.00E+01	3.80E-03	1.48E-01	0.00E+00	9.21E-04	1.53E-01
2.00E+01	3.87E-03	1.46E-01	0.00E+00	2.36E-04	1.51E-01
3.00E+01	3.99E-03	1.45E-01	0.00E+00	2.32E-04	1.49E-01
4.00E+01	4.12E-03	1.43E-01	0.00E+00	2.29E-04	1.48E-01
5.00E+01	4.26E-03	1.42E-01	0.00E+00	2.26E-04	1.46E-01
6.00E+01	4.40E-03	1.41E-01	0.00E+00	2.23E-04	1.45E-01
7.00E+01	4.54E-03	1.39E-01	0.00E+00	2.20E-04	1.44E-01
8.00E+01	4.68E-03	1.38E-01	0.00E+00	2.17E-04	1.43E-01
9.00E+01	4.82E-03	1.36E-01	0.00E+00	2.14E-04	1.41E-01
1.00E+02	4.96E-03	1.35E-01	0.00E+00	2.11E-04	1.40E-01
2.00E+02	6.33E-03	1.22E-01	0.00E+00	1.84E-04	1.28E-01
3.00E+02	7.67E-03	1.10E-01	0.00E+00	1.60E-04	1.18E-01
4.00E+02	8.95E-03	9.98E-02	0.00E+00	1.39E-04	1.09E-01
5.00E+02	1.02E-02	9.06E-02	0.00E+00	1.21E-04	1.01E-01
6.00E+02	1.13E-02	8.23E-02	0.00E+00	1.05E-04	9.37E-02
7.00E+02	1.24E-02	7.49E-02	0.00E+00	9.18E-05	8.74E-02
8.00E+02	1.33E-02	6.83E-02	0.00E+00	7.99E-05	8.17E-02
9.00E+02	1.42E-02	6.23E-02	0.00E+00	6.96E-05	7.66E-02
1.00E+03	1.50E-02	5.70E-02	0.00E+00	6.06E-05	7.21E-02
2.00E+03	1.85E-02	2.55E-02	0.00E+00	1.51E-05	4.40E-02
3.00E+03	1.69E-02	1.34E-02	0.00E+00	3.79E-06	3.03E-02
4.00E+03	1.34E-02	8.25E-03	0.00E+00	9.46E-07	2.17E-02
5.00E+03	9.89E-03	5.92E-03	0.00E+00	2.37E-07	1.58E-02
7.00E+03	4.75E-03	4.27E-03	0.00E+00	1.48E-08	9.02E-03
8.00E+03	3.18E-03	4.00E-03	0.00E+00	0.00E+00	7.18E-03
9.00E+03	2.09E-03	3.87E-03	0.00E+00	0.00E+00	5.96E-03
1.00E+04	1.37E-03	3.80E-03	0.00E+00	0.00E+00	5.17E-03
2.00E+04	1.50E-05	3.74E-03	0.00E+00	0.00E+00	3.75E-03

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		4.74E-06		1.04E-05
2.00E-01		1.02E-05		2.10E-04
3.00E-01		1.56E-05		1.06E-03
4.00E-01		2.10E-05		3.07E-03
5.00E-01		2.62E-05		6.67E-03
6.00E-01		3.15E-05		1.21E-02
7.00E-01		3.66E-05		1.94E-02
8.00E-01		4.17E-05		2.86E-02
9.00E-01		4.68E-05		3.96E-02
1.00E+00	5.17E-05	5.17E-05	5.21E-02	5.21E-02
2.00E+00	4.65E-05	9.82E-05	1.61E-01	2.13E-01
3.00E+00	4.10E-05	1.39E-04	1.31E-01	3.44E-01
4.00E+00	3.62E-05	1.75E-04	7.36E-02	4.17E-01
5.00E+00	3.19E-05	2.07E-04	3.64E-02	4.54E-01
6.00E+00	2.82E-05	2.36E-04	1.73E-02	4.71E-01
7.00E+00	2.50E-05	2.61E-04	8.13E-03	4.79E-01
8.00E+00	2.23E-05	2.83E-04	3.88E-03	4.83E-01
9.00E+00	1.98E-05	3.03E-04	1.91E-03	4.85E-01
1.00E+01	1.77E-05	3.20E-04	9.86E-04	4.86E-01
2.00E+01	7.08E-06	4.27E-04	1.36E-04	4.88E-01
3.00E+01	4.47E-06	4.81E-04	1.33E-04	4.89E-01
4.00E+01	3.87E-06	5.21E-04	1.31E-04	4.91E-01
5.00E+01	3.78E-06	5.59E-04	1.29E-04	4.92E-01
6.00E+01	3.81E-06	5.97E-04	1.28E-04	4.93E-01
7.00E+01	3.87E-06	6.35E-04	1.26E-04	4.95E-01
8.00E+01	3.93E-06	6.75E-04	1.24E-04	4.96E-01
9.00E+01	4.00E-06	7.14E-04	1.22E-04	4.97E-01
1.00E+02	4.07E-06	7.55E-04	1.21E-04	4.98E-01
2.00E+02	4.75E-06	1.20E-03	1.05E-04	5.10E-01
3.00E+02	5.39E-06	1.70E-03	9.15E-05	5.19E-01
4.00E+02	5.98E-06	2.27E-03	7.96E-05	5.28E-01
5.00E+02	6.52E-06	2.90E-03	6.93E-05	5.35E-01
7.00E+02	7.46E-06	4.30E-03	5.25E-05	5.47E-01
8.00E+02	7.86E-06	5.07E-03	4.57E-05	5.52E-01
9.00E+02	8.22E-06	5.87E-03	3.98E-05	5.57E-01
1.00E+03	8.52E-06	6.71E-03	3.47E-05	5.60E-01
2.00E+03	9.55E-06	1.60E-02	8.66E-06	5.79E-01
3.00E+03	8.35E-06	2.51E-02	2.17E-06	5.84E-01
4.00E+03	6.49E-06	3.25E-02	5.42E-07	5.85E-01
5.00E+03	4.71E-06	3.81E-02	1.35E-07	5.85E-01
7.00E+03	2.23E-06	4.48E-02	0.00E+00	5.85E-01
8.00E+03	1.49E-06	4.66E-02	0.00E+00	5.85E-01
9.00E+03	9.77E-07	4.78E-02	0.00E+00	5.85E-01
1.00E+04	6.35E-07	4.86E-02	0.00E+00	5.85E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	3.99E-03	3.04E-01	2.58E-01	7.30E-02	6.39E-01
2.00E-01	4.32E-03	2.85E-01	2.17E-01	1.33E-01	6.39E-01
3.00E-01	4.77E-03	2.70E-01	1.82E-01	1.81E-01	6.38E-01
4.00E-01	5.23E-03	2.57E-01	1.53E-01	2.20E-01	6.36E-01
5.00E-01	5.67E-03	2.47E-01	1.29E-01	2.51E-01	6.32E-01
6.00E-01	6.06E-03	2.38E-01	1.08E-01	2.74E-01	6.27E-01
7.00E-01	6.41E-03	2.31E-01	9.12E-02	2.91E-01	6.20E-01
8.00E-01	6.71E-03	2.24E-01	7.67E-02	3.03E-01	6.11E-01
9.00E-01	6.96E-03	2.19E-01	6.45E-02	3.10E-01	6.00E-01
1.00E+00	7.19E-03	2.13E-01	5.42E-02	3.13E-01	5.87E-01
2.00E+00	8.27E-03	1.80E-01	9.59E-03	2.30E-01	4.28E-01
3.00E+00	8.58E-03	1.65E-01	1.70E-03	1.24E-01	2.99E-01
4.00E+00	8.70E-03	1.57E-01	3.00E-04	6.00E-02	2.26E-01
5.00E+00	8.76E-03	1.53E-01	5.30E-05	2.83E-02	1.90E-01
6.00E+00	8.79E-03	1.51E-01	9.37E-06	1.33E-02	1.73E-01
7.00E+00	8.81E-03	1.49E-01	1.66E-06	6.37E-03	1.65E-01
8.00E+00	8.82E-03	1.49E-01	2.93E-07	3.14E-03	1.61E-01
9.00E+00	8.84E-03	1.48E-01	5.17E-08	1.63E-03	1.59E-01
1.00E+01	8.85E-03	1.48E-01	0.00E+00	9.11E-04	1.58E-01
2.00E+01	8.93E-03	1.46E-01	0.00E+00	2.34E-04	1.56E-01
3.00E+01	9.02E-03	1.45E-01	0.00E+00	2.30E-04	1.54E-01
4.00E+01	9.10E-03	1.43E-01	0.00E+00	2.27E-04	1.53E-01
5.00E+01	9.18E-03	1.42E-01	0.00E+00	2.24E-04	1.51E-01
6.00E+01	9.27E-03	1.41E-01	0.00E+00	2.21E-04	1.50E-01
7.00E+01	9.35E-03	1.39E-01	0.00E+00	2.18E-04	1.49E-01
8.00E+01	9.43E-03	1.38E-01	0.00E+00	2.15E-04	1.47E-01
9.00E+01	9.51E-03	1.36E-01	0.00E+00	2.12E-04	1.46E-01
1.00E+02	9.59E-03	1.35E-01	0.00E+00	2.09E-04	1.45E-01
2.00E+02	1.04E-02	1.22E-01	0.00E+00	1.82E-04	1.32E-01
3.00E+02	1.11E-02	1.10E-01	0.00E+00	1.58E-04	1.21E-01
4.00E+02	1.17E-02	9.98E-02	0.00E+00	1.38E-04	1.12E-01
5.00E+02	1.22E-02	9.06E-02	0.00E+00	1.20E-04	1.03E-01
6.00E+02	1.27E-02	8.23E-02	0.00E+00	1.04E-04	9.51E-02
7.00E+02	1.30E-02	7.49E-02	0.00E+00	9.09E-05	8.80E-02
8.00E+02	1.33E-02	6.83E-02	0.00E+00	7.91E-05	8.16E-02
9.00E+02	1.35E-02	6.23E-02	0.00E+00	6.89E-05	7.59E-02
1.00E+03	1.36E-02	5.70E-02	0.00E+00	6.00E-05	7.06E-02
2.00E+03	1.16E-02	2.55E-02	0.00E+00	1.50E-05	3.71E-02
3.00E+03	7.84E-03	1.34E-02	0.00E+00	3.75E-06	2.12E-02
4.00E+03	4.68E-03	8.25E-03	0.00E+00	9.37E-07	1.29E-02
5.00E+03	2.61E-03	5.92E-03	0.00E+00	2.34E-07	8.53E-03
7.00E+03	7.30E-04	4.27E-03	0.00E+00	1.46E-08	5.00E-03
8.00E+03	3.76E-04	4.00E-03	0.00E+00	0.00E+00	4.38E-03
9.00E+03	1.91E-04	3.87E-03	0.00E+00	0.00E+00	4.06E-03
1.00E+04	9.67E-05	3.80E-03	0.00E+00	0.00E+00	3.90E-03
2.00E+04	9.63E-08	3.74E-03	0.00E+00	0.00E+00	3.74E-03

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		3.89E-07		1.04E-05
2.00E-01		8.67E-07		2.10E-04
3.00E-01		1.39E-06		1.05E-03
4.00E-01		1.97E-06		3.06E-03
5.00E-01		2.60E-06		6.64E-03
6.00E-01		3.28E-06		1.20E-02
7.00E-01		4.00E-06		1.93E-02
8.00E-01		4.75E-06		2.85E-02
9.00E-01		5.54E-06		3.93E-02
1.00E+00	6.36E-06	6.36E-06	5.17E-02	5.17E-02
2.00E+00	9.07E-06	1.54E-05	1.59E-01	2.11E-01
3.00E+00	9.76E-06	2.52E-05	1.30E-01	3.41E-01
4.00E+00	9.99E-06	3.52E-05	7.28E-02	4.13E-01
5.00E+00	1.01E-05	4.53E-05	3.60E-02	4.49E-01
6.00E+00	1.01E-05	5.54E-05	1.71E-02	4.66E-01
7.00E+00	1.02E-05	6.56E-05	8.04E-03	4.74E-01
8.00E+00	1.02E-05	7.58E-05	3.84E-03	4.78E-01
9.00E+00	1.02E-05	8.60E-05	1.89E-03	4.80E-01
1.00E+01	1.02E-05	9.62E-05	9.75E-04	4.81E-01
2.00E+01	1.03E-05	1.99E-04	1.34E-04	4.83E-01
3.00E+01	1.04E-05	3.02E-04	1.32E-04	4.85E-01
4.00E+01	1.05E-05	4.07E-04	1.30E-04	4.86E-01
5.00E+01	1.06E-05	5.13E-04	1.28E-04	4.87E-01
6.00E+01	1.07E-05	6.19E-04	1.26E-04	4.88E-01
7.00E+01	1.08E-05	7.27E-04	1.25E-04	4.90E-01
8.00E+01	1.09E-05	8.35E-04	1.23E-04	4.91E-01
9.00E+01	1.10E-05	9.45E-04	1.21E-04	4.92E-01
1.00E+02	1.11E-05	1.05E-03	1.19E-04	4.93E-01
2.00E+02	1.20E-05	2.21E-03	1.04E-04	5.05E-01
3.00E+02	1.28E-05	3.45E-03	9.06E-05	5.14E-01
4.00E+02	1.35E-05	4.76E-03	7.88E-05	5.23E-01
5.00E+02	1.41E-05	6.15E-03	6.86E-05	5.30E-01
7.00E+02	1.50E-05	9.07E-03	5.20E-05	5.42E-01
8.00E+02	1.53E-05	1.06E-02	4.53E-05	5.47E-01
9.00E+02	1.55E-05	1.21E-02	3.94E-05	5.51E-01
1.00E+03	1.57E-05	1.37E-02	3.43E-05	5.55E-01
2.00E+03	1.34E-05	2.86E-02	8.58E-06	5.73E-01
3.00E+03	9.06E-06	3.99E-02	2.14E-06	5.78E-01
4.00E+03	5.41E-06	4.70E-02	5.36E-07	5.79E-01
5.00E+03	3.02E-06	5.12E-02	1.34E-07	5.79E-01
7.00E+03	8.44E-07	5.46E-02	0.00E+00	5.80E-01
8.00E+03	4.34E-07	5.52E-02	0.00E+00	5.80E-01
9.00E+03	2.21E-07	5.55E-02	0.00E+00	5.80E-01
1.00E+04	1.12E-07	5.57E-02	0.00E+00	5.80E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	4.76E-03	3.03E-01	2.57E-01	7.18E-02	6.37E-01
2.00E-01	7.93E-03	2.84E-01	2.16E-01	1.28E-01	6.35E-01
3.00E-01	1.21E-02	2.68E-01	1.81E-01	1.71E-01	6.32E-01
4.00E-01	1.61E-02	2.55E-01	1.52E-01	2.06E-01	6.28E-01
5.00E-01	1.97E-02	2.44E-01	1.27E-01	2.32E-01	6.23E-01
6.00E-01	2.28E-02	2.35E-01	1.07E-01	2.51E-01	6.15E-01
7.00E-01	2.52E-02	2.27E-01	8.97E-02	2.65E-01	6.06E-01
8.00E-01	2.71E-02	2.20E-01	7.52E-02	2.73E-01	5.95E-01
9.00E-01	2.86E-02	2.14E-01	6.31E-02	2.78E-01	5.83E-01
1.00E+00	2.97E-02	2.08E-01	5.29E-02	2.79E-01	5.70E-01
2.00E+00	3.16E-02	1.72E-01	9.12E-03	1.97E-01	4.10E-01
3.00E+00	2.94E-02	1.53E-01	1.57E-03	1.03E-01	2.87E-01
4.00E+00	2.71E-02	1.42E-01	2.71E-04	4.88E-02	2.18E-01
5.00E+00	2.50E-02	1.35E-01	4.67E-05	2.24E-02	1.82E-01
6.00E+00	2.31E-02	1.30E-01	8.06E-06	1.03E-02	1.63E-01
7.00E+00	2.14E-02	1.25E-01	1.39E-06	4.80E-03	1.52E-01
8.00E+00	1.99E-02	1.22E-01	2.40E-07	2.31E-03	1.44E-01
9.00E+00	1.85E-02	1.18E-01	4.13E-08	1.17E-03	1.38E-01
1.00E+01	1.73E-02	1.15E-01	0.00E+00	6.39E-04	1.33E-01
2.00E+01	9.87E-03	8.88E-02	0.00E+00	1.29E-04	9.88E-02
3.00E+01	6.54E-03	6.84E-02	0.00E+00	9.90E-05	7.51E-02
4.00E+01	4.62E-03	5.27E-02	0.00E+00	7.60E-05	5.74E-02
5.00E+01	3.34E-03	4.06E-02	0.00E+00	5.84E-05	4.40E-02
6.00E+01	2.44E-03	3.13E-02	0.00E+00	4.48E-05	3.38E-02
7.00E+01	1.79E-03	2.41E-02	0.00E+00	3.44E-05	2.60E-02
8.00E+01	1.32E-03	1.86E-02	0.00E+00	2.64E-05	1.99E-02
9.00E+01	9.73E-04	1.43E-02	0.00E+00	2.03E-05	1.53E-02
1.00E+02	7.19E-04	1.10E-02	0.00E+00	1.56E-05	1.18E-02
2.00E+02	3.84E-05	8.17E-04	0.00E+00	1.11E-06	8.57E-04
3.00E+02	2.41E-06	6.06E-05	0.00E+00	7.93E-08	6.31E-05
4.00E+02	1.70E-07	4.50E-06	0.00E+00	0.00E+00	4.67E-06
5.00E+02	1.28E-08	3.34E-07	0.00E+00	0.00E+00	3.47E-07

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		1.60E-04		1.03E-05
2.00E-01		4.25E-04		2.05E-04
3.00E-01		8.39E-04		1.02E-03
4.00E-01		1.41E-03		2.93E-03
5.00E-01		2.10E-03		6.29E-03
6.00E-01		2.90E-03		1.13E-02
7.00E-01		3.76E-03		1.80E-02
8.00E-01		4.65E-03		2.64E-02
9.00E-01		5.55E-03		3.62E-02
1.00E+00	6.45E-03	6.45E-03	4.73E-02	4.73E-02
2.00E+00	7.33E-03	1.36E-02	1.38E-01	1.85E-01
3.00E+00	4.22E-03	1.75E-02	1.09E-01	2.89E-01
4.00E+00	2.60E-03	1.97E-02	5.93E-02	3.41E-01
5.00E+00	1.86E-03	2.10E-02	2.85E-02	3.61E-01
6.00E+00	1.48E-03	2.20E-02	1.32E-02	3.65E-01
7.00E+00	1.24E-03	2.27E-02	6.05E-03	3.62E-01
8.00E+00	1.06E-03	2.32E-02	2.82E-03	3.56E-01
9.00E+00	9.22E-04	2.35E-02	1.36E-03	3.49E-01
1.00E+01	8.07E-04	2.38E-02	6.83E-04	3.41E-01
2.00E+01	2.45E-04	2.23E-02	7.40E-05	2.66E-01
3.00E+01	9.54E-05	1.87E-02	5.65E-05	2.08E-01
4.00E+01	4.95E-05	1.51E-02	4.34E-05	1.62E-01
5.00E+01	3.12E-05	1.21E-02	3.33E-05	1.27E-01
6.00E+01	2.17E-05	9.66E-03	2.56E-05	9.90E-02
7.00E+01	1.56E-05	7.68E-03	1.97E-05	7.73E-02
8.00E+01	1.14E-05	6.10E-03	1.51E-05	6.03E-02
9.00E+01	8.40E-06	4.84E-03	1.16E-05	4.71E-02
1.00E+02	6.19E-06	3.83E-03	8.90E-06	3.67E-02
2.00E+02	3.25E-07	3.54E-04	6.35E-07	3.08E-03
3.00E+02	2.00E-08	3.13E-05	4.53E-08	2.57E-04

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	4.77E-03	3.04E-01	2.58E-01	7.20E-02	6.39E-01
2.00E-01	7.97E-03	2.85E-01	2.17E-01	1.28E-01	6.38E-01
3.00E-01	1.21E-02	2.70E-01	1.82E-01	1.73E-01	6.37E-01
4.00E-01	1.63E-02	2.57E-01	1.53E-01	2.08E-01	6.35E-01
5.00E-01	2.00E-02	2.47E-01	1.29E-01	2.34E-01	6.31E-01
6.00E-01	2.31E-02	2.38E-01	1.08E-01	2.55E-01	6.25E-01
7.00E-01	2.56E-02	2.31E-01	9.12E-02	2.69E-01	6.17E-01
8.00E-01	2.77E-02	2.24E-01	7.67E-02	2.79E-01	6.07E-01
9.00E-01	2.92E-02	2.19E-01	6.45E-02	2.84E-01	5.96E-01
1.00E+00	3.04E-02	2.13E-01	5.42E-02	2.86E-01	5.84E-01
2.00E+00	3.32E-02	1.80E-01	9.59E-03	2.08E-01	4.31E-01
3.00E+00	3.17E-02	1.65E-01	1.70E-03	1.11E-01	3.09E-01
4.00E+00	2.99E-02	1.57E-01	3.00E-04	5.39E-02	2.41E-01
5.00E+00	2.83E-02	1.53E-01	5.30E-05	2.54E-02	2.06E-01
6.00E+00	2.69E-02	1.51E-01	9.37E-06	1.19E-02	1.89E-01
7.00E+00	2.55E-02	1.49E-01	1.66E-06	5.72E-03	1.81E-01
8.00E+00	2.43E-02	1.49E-01	2.93E-07	2.83E-03	1.76E-01
9.00E+00	2.32E-02	1.48E-01	5.17E-08	1.47E-03	1.73E-01
1.00E+01	2.22E-02	1.48E-01	0.00E+00	8.21E-04	1.71E-01
2.00E+01	1.63E-02	1.46E-01	0.00E+00	2.13E-04	1.63E-01
3.00E+01	1.38E-02	1.45E-01	0.00E+00	2.10E-04	1.59E-01
4.00E+01	1.26E-02	1.43E-01	0.00E+00	2.07E-04	1.56E-01
5.00E+01	1.17E-02	1.42E-01	0.00E+00	2.04E-04	1.54E-01
6.00E+01	1.10E-02	1.41E-01	0.00E+00	2.01E-04	1.52E-01
7.00E+01	1.03E-02	1.39E-01	0.00E+00	1.98E-04	1.50E-01
8.00E+01	9.77E-03	1.38E-01	0.00E+00	1.96E-04	1.48E-01
9.00E+01	9.25E-03	1.36E-01	0.00E+00	1.93E-04	1.46E-01
1.00E+02	8.78E-03	1.35E-01	0.00E+00	1.90E-04	1.44E-01
2.00E+02	5.71E-03	1.22E-01	0.00E+00	1.66E-04	1.28E-01
3.00E+02	4.38E-03	1.10E-01	0.00E+00	1.44E-04	1.15E-01
4.00E+02	3.77E-03	9.98E-02	0.00E+00	1.26E-04	1.04E-01
5.00E+02	3.47E-03	9.06E-02	0.00E+00	1.09E-04	9.41E-02
6.00E+02	3.29E-03	8.23E-02	0.00E+00	9.52E-05	8.57E-02
7.00E+02	3.17E-03	7.49E-02	0.00E+00	8.28E-05	7.82E-02
8.00E+02	3.06E-03	6.83E-02	0.00E+00	7.21E-05	7.14E-02
9.00E+02	2.96E-03	6.23E-02	0.00E+00	6.28E-05	6.54E-02
1.00E+03	2.87E-03	5.70E-02	0.00E+00	5.47E-05	5.99E-02
2.00E+03	1.98E-03	2.55E-02	0.00E+00	1.37E-05	2.75E-02
3.00E+03	1.28E-03	1.34E-02	0.00E+00	3.42E-06	1.47E-02
4.00E+03	7.81E-04	8.25E-03	0.00E+00	8.54E-07	9.03E-03
5.00E+03	4.63E-04	5.92E-03	0.00E+00	2.14E-07	6.38E-03
7.00E+03	1.52E-04	4.27E-03	0.00E+00	1.33E-08	4.42E-03
8.00E+03	8.52E-05	4.00E-03	0.00E+00	0.00E+00	4.09E-03
9.00E+03	4.71E-05	3.87E-03	0.00E+00	0.00E+00	3.92E-03
1.00E+04	2.59E-05	3.80E-03	0.00E+00	0.00E+00	3.83E-03
2.00E+04	4.75E-08	3.74E-03	0.00E+00	0.00E+00	3.74E-03

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		1.60E-04		1.03E-05
2.00E-01		4.27E-04		2.06E-04
3.00E-01		8.45E-04		1.03E-03
4.00E-01		1.42E-03		2.96E-03
5.00E-01		2.13E-03		6.37E-03
6.00E-01		2.94E-03		1.15E-02
7.00E-01		3.82E-03		1.83E-02
8.00E-01		4.74E-03		2.69E-02
9.00E-01		5.68E-03		3.70E-02
1.00E+00	6.61E-03	6.61E-03	4.85E-02	4.85E-02
2.00E+00	7.71E-03	1.43E-02	1.46E-01	1.94E-01
3.00E+00	4.55E-03	1.89E-02	1.17E-01	3.11E-01
4.00E+00	2.87E-03	2.17E-02	6.55E-02	3.77E-01
5.00E+00	2.11E-03	2.38E-02	3.23E-02	4.09E-01
6.00E+00	1.72E-03	2.56E-02	1.53E-02	4.24E-01
7.00E+00	1.47E-03	2.70E-02	7.21E-03	4.31E-01
8.00E+00	1.30E-03	2.83E-02	3.45E-03	4.35E-01
9.00E+00	1.16E-03	2.95E-02	1.70E-03	4.37E-01
1.00E+01	1.04E-03	3.05E-02	8.77E-04	4.37E-01
2.00E+01	4.03E-04	3.68E-02	1.22E-04	4.39E-01
3.00E+01	2.02E-04	3.95E-02	1.20E-04	4.41E-01
4.00E+01	1.35E-04	4.11E-02	1.18E-04	4.42E-01
5.00E+01	1.09E-04	4.23E-02	1.16E-04	4.43E-01
6.00E+01	9.74E-05	4.33E-02	1.15E-04	4.44E-01
7.00E+01	9.01E-05	4.43E-02	1.13E-04	4.45E-01
8.00E+01	8.46E-05	4.52E-02	1.12E-04	4.46E-01
9.00E+01	7.99E-05	4.60E-02	1.10E-04	4.47E-01
1.00E+02	7.56E-05	4.67E-02	1.09E-04	4.49E-01
2.00E+02	4.84E-05	5.27E-02	9.46E-05	4.59E-01
3.00E+02	3.63E-05	5.69E-02	8.23E-05	4.68E-01
4.00E+02	3.06E-05	6.02E-02	7.17E-05	4.75E-01
5.00E+02	2.74E-05	6.31E-02	6.24E-05	4.82E-01
7.00E+02	2.40E-05	6.82E-02	4.73E-05	4.93E-01
8.00E+02	2.27E-05	7.05E-02	4.12E-05	4.97E-01
9.00E+02	2.15E-05	7.27E-02	3.58E-05	5.01E-01
1.00E+03	2.04E-05	7.48E-02	3.12E-05	5.04E-01
2.00E+03	1.15E-05	9.04E-02	7.80E-06	5.21E-01
3.00E+03	6.19E-06	9.90E-02	1.95E-06	5.25E-01
4.00E+03	3.25E-06	1.04E-01	4.87E-07	5.27E-01
5.00E+03	1.69E-06	1.06E-01	1.22E-07	5.27E-01
7.00E+03	4.51E-07	1.08E-01	0.00E+00	5.27E-01
8.00E+03	2.32E-07	1.08E-01	0.00E+00	5.27E-01
9.00E+03	1.19E-07	1.08E-01	0.00E+00	5.27E-01
1.00E+04	6.12E-08	1.08E-01	0.00E+00	5.27E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	4.15E-03	3.04E-01	2.58E-01	7.25E-02	6.38E-01
2.00E-01	5.49E-03	2.85E-01	2.17E-01	1.31E-01	6.37E-01
3.00E-01	7.31E-03	2.69E-01	1.82E-01	1.77E-01	6.35E-01
4.00E-01	9.10E-03	2.56E-01	1.53E-01	2.14E-01	6.32E-01
5.00E-01	1.07E-02	2.46E-01	1.28E-01	2.42E-01	6.27E-01
6.00E-01	1.19E-02	2.37E-01	1.08E-01	2.64E-01	6.21E-01
7.00E-01	1.29E-02	2.29E-01	9.06E-02	2.80E-01	6.12E-01
8.00E-01	1.36E-02	2.23E-01	7.61E-02	2.90E-01	6.02E-01
9.00E-01	1.41E-02	2.17E-01	6.39E-02	2.96E-01	5.91E-01
1.00E+00	1.44E-02	2.11E-01	5.37E-02	2.98E-01	5.77E-01
2.00E+00	1.38E-02	1.77E-01	9.40E-03	2.16E-01	4.16E-01
3.00E+00	1.22E-02	1.60E-01	1.65E-03	1.15E-01	2.88E-01
4.00E+00	1.11E-02	1.51E-01	2.88E-04	5.51E-02	2.17E-01
5.00E+00	1.03E-02	1.45E-01	5.04E-05	2.57E-02	1.81E-01
6.00E+00	9.63E-03	1.42E-01	8.83E-06	1.20E-02	1.64E-01
7.00E+00	9.03E-03	1.40E-01	1.55E-06	5.67E-03	1.54E-01
8.00E+00	8.49E-03	1.38E-01	2.71E-07	2.78E-03	1.49E-01
9.00E+00	8.02E-03	1.36E-01	4.74E-08	1.43E-03	1.45E-01
1.00E+01	7.59E-03	1.34E-01	0.00E+00	7.89E-04	1.43E-01
2.00E+01	5.02E-03	1.20E-01	0.00E+00	1.85E-04	1.26E-01
3.00E+01	3.91E-03	1.08E-01	0.00E+00	1.65E-04	1.12E-01
4.00E+01	3.28E-03	9.70E-02	0.00E+00	1.47E-04	1.00E-01
5.00E+01	2.82E-03	8.70E-02	0.00E+00	1.32E-04	9.00E-02
6.00E+01	2.46E-03	7.81E-02	0.00E+00	1.18E-04	8.07E-02
7.00E+01	2.15E-03	7.01E-02	0.00E+00	1.05E-04	7.23E-02
8.00E+01	1.89E-03	6.29E-02	0.00E+00	9.43E-05	6.49E-02
9.00E+01	1.67E-03	5.65E-02	0.00E+00	8.43E-05	5.82E-02
1.00E+02	1.47E-03	5.07E-02	0.00E+00	7.54E-05	5.22E-02
2.00E+02	4.72E-04	1.72E-02	0.00E+00	2.47E-05	1.77E-02
3.00E+02	1.67E-04	5.84E-03	0.00E+00	8.06E-06	6.02E-03
4.00E+02	6.13E-05	1.99E-03	0.00E+00	2.64E-06	2.05E-03
5.00E+02	2.27E-05	6.78E-04	0.00E+00	8.62E-07	7.01E-04
6.00E+02	8.42E-06	2.31E-04	0.00E+00	2.82E-07	2.40E-04
7.00E+02	3.12E-06	7.91E-05	0.00E+00	9.22E-08	8.23E-05
8.00E+02	1.15E-06	2.71E-05	0.00E+00	3.02E-08	2.83E-05
9.00E+02	4.26E-07	9.29E-06	0.00E+00	0.00E+00	9.72E-06
1.00E+03	1.57E-07	3.19E-06	0.00E+00	0.00E+00	3.35E-06

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	24-HOUR URINE	ACCUMULATED URINE	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		1.92E-04		5.84E-05
2.00E-01		4.51E-04		3.20E-04
3.00E-01		7.88E-04		1.24E-03
4.00E-01		1.21E-03		3.31E-03
5.00E-01		1.70E-03		6.92E-03
6.00E-01		2.25E-03		1.23E-02
7.00E-01		2.83E-03		1.95E-02
8.00E-01		3.42E-03		2.84E-02
9.00E-01		4.01E-03		3.90E-02
1.00E+00	4.60E-03	4.60E-03	5.10E-02	5.10E-02
2.00E+00	4.56E-03	9.11E-03	1.51E-01	2.02E-01
3.00E+00	2.33E-03	1.14E-02	1.21E-01	3.21E-01
4.00E+00	1.23E-03	1.25E-02	6.72E-02	3.85E-01
5.00E+00	7.79E-04	1.31E-02	3.29E-02	4.14E-01
6.00E+00	5.74E-04	1.36E-02	1.55E-02	4.26E-01
7.00E+00	4.65E-04	1.39E-02	7.28E-03	4.29E-01
8.00E+00	3.95E-04	1.42E-02	3.49E-03	4.28E-01
9.00E+00	3.44E-04	1.44E-02	1.74E-03	4.26E-01
1.00E+01	3.03E-04	1.45E-02	9.20E-04	4.22E-01
2.00E+01	1.06E-04	1.48E-02	1.32E-04	3.85E-01
3.00E+01	4.84E-05	1.41E-02	1.06E-04	3.50E-01
4.00E+01	2.95E-05	1.31E-02	9.16E-05	3.18E-01
5.00E+01	2.20E-05	1.22E-02	8.08E-05	2.90E-01
6.00E+01	1.80E-05	1.12E-02	7.19E-05	2.63E-01
7.00E+01	1.54E-05	1.03E-02	6.41E-05	2.39E-01
8.00E+01	1.33E-05	9.49E-03	5.72E-05	2.18E-01
9.00E+01	1.16E-05	8.73E-03	5.11E-05	1.98E-01
1.00E+02	1.01E-05	8.02E-03	4.56E-05	1.80E-01
2.00E+02	3.02E-06	3.34E-03	1.48E-05	6.92E-02
3.00E+02	1.03E-06	1.36E-03	4.86E-06	2.65E-02
4.00E+02	3.66E-07	5.50E-04	1.60E-06	1.01E-02
5.00E+02	1.33E-07	2.20E-04	5.26E-07	3.86E-03
6.00E+02	4.81E-08	8.76E-05	1.73E-07	1.47E-03
7.00E+02	1.74E-08	3.47E-05	5.71E-08	5.58E-04

CLASS Y

AMAD = 1 MICRON

STABLE

COBALT 59

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	4.15E-03	3.04E-01	2.58E-01	7.26E-02	6.39E-01
2.00E-01	5.50E-03	2.85E-01	2.17E-01	1.31E-01	6.38E-01
3.00E-01	7.33E-03	2.70E-01	1.82E-01	1.77E-01	6.37E-01
4.00E-01	9.13E-03	2.57E-01	1.53E-01	2.15E-01	6.35E-01
5.00E-01	1.07E-02	2.47E-01	1.29E-01	2.44E-01	6.30E-01
6.00E-01	1.20E-02	2.38E-01	1.08E-01	2.66E-01	6.25E-01
7.00E-01	1.30E-02	2.31E-01	9.12E-02	2.82E-01	6.17E-01
8.00E-01	1.37E-02	2.24E-01	7.67E-02	2.92E-01	6.07E-01
9.00E-01	1.42E-02	2.19E-01	6.45E-02	2.98E-01	5.96E-01
1.00E+00	1.46E-02	2.13E-01	5.42E-02	3.01E-01	5.83E-01
2.00E+00	1.41E-02	1.80E-01	9.59E-03	2.20E-01	4.24E-01
3.00E+00	1.26E-02	1.65E-01	1.70E-03	1.18E-01	2.97E-01
4.00E+00	1.16E-02	1.57E-01	3.00E-04	5.73E-02	2.26E-01
5.00E+00	1.08E-02	1.53E-01	5.30E-05	2.70E-02	1.90E-01
6.00E+00	1.02E-02	1.51E-01	9.37E-06	1.27E-02	1.73E-01
7.00E+00	9.67E-03	1.49E-01	1.66E-06	6.08E-03	1.65E-01
8.00E+00	9.19E-03	1.49E-01	2.93E-07	3.00E-03	1.61E-01
9.00E+00	8.76E-03	1.48E-01	5.17E-08	1.56E-03	1.59E-01
1.00E+01	8.37E-03	1.48E-01	0.00E+00	8.71E-04	1.57E-01
2.00E+01	6.11E-03	1.46E-01	0.00E+00	2.25E-04	1.53E-01
3.00E+01	5.25E-03	1.45E-01	0.00E+00	2.21E-04	1.50E-01
4.00E+01	4.85E-03	1.43E-01	0.00E+00	2.18E-04	1.49E-01
5.00E+01	4.60E-03	1.42E-01	0.00E+00	2.15E-04	1.47E-01
6.00E+01	4.42E-03	1.41E-01	0.00E+00	2.12E-04	1.45E-01
7.00E+01	4.27E-03	1.39E-01	0.00E+00	2.09E-04	1.44E-01
8.00E+01	4.14E-03	1.38E-01	0.00E+00	2.06E-04	1.42E-01
9.00E+01	4.02E-03	1.36E-01	0.00E+00	2.03E-04	1.40E-01
1.00E+02	3.92E-03	1.35E-01	0.00E+00	2.01E-04	1.39E-01
2.00E+02	3.35E-03	1.22E-01	0.00E+00	1.75E-04	1.25E-01
3.00E+02	3.15E-03	1.10E-01	0.00E+00	1.52E-04	1.13E-01
4.00E+02	3.08E-03	9.98E-02	0.00E+00	1.32E-04	1.03E-01
5.00E+02	3.03E-03	9.06E-02	0.00E+00	1.15E-04	9.37E-02
6.00E+02	2.99E-03	8.23E-02	0.00E+00	1.00E-04	8.54E-02
7.00E+02	2.95E-03	7.49E-02	0.00E+00	8.73E-05	7.79E-02
8.00E+02	2.91E-03	6.83E-02	0.00E+00	7.60E-05	7.13E-02
9.00E+02	2.86E-03	6.23E-02	0.00E+00	6.62E-05	6.53E-02
1.00E+03	2.80E-03	5.70E-02	0.00E+00	5.76E-05	5.99E-02
2.00E+03	2.10E-03	2.55E-02	0.00E+00	1.44E-05	2.76E-02
3.00E+03	1.39E-03	1.34E-02	0.00E+00	3.60E-06	1.48E-02
4.00E+03	8.46E-04	8.25E-03	0.00E+00	9.00E-07	9.10E-03
5.00E+03	4.90E-04	5.92E-03	0.00E+00	2.25E-07	6.41E-03
7.00E+03	1.49E-04	4.27E-03	0.00E+00	1.41E-08	4.42E-03
8.00E+03	7.97E-05	4.00E-03	0.00E+00	0.00E+00	4.08E-03
9.00E+03	4.21E-05	3.87E-03	0.00E+00	0.00E+00	3.91E-03
1.00E+04	2.20E-05	3.80E-03	0.00E+00	0.00E+00	3.82E-03
2.00E+04	2.54E-08	3.74E-03	0.00E+00	0.00E+00	3.74E-03

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	24-HOUR URINE	ACCUMULATED URINE	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		1.92E-04		5.85E-05
2.00E-01		4.52E-04		3.21E-04
3.00E-01		7.90E-04		1.24E-03
4.00E-01		1.21E-03		3.32E-03
5.00E-01		1.71E-03		6.95E-03
6.00E-01		2.26E-03		1.24E-02
7.00E-01		2.85E-03		1.96E-02
8.00E-01		3.45E-03		2.86E-02
9.00E-01		4.05E-03		3.93E-02
1.00E+00	4.65E-03	4.65E-03	5.15E-02	5.15E-02
2.00E+00	4.65E-03	9.29E-03	1.54E-01	2.06E-01
3.00E+00	2.40E-03	1.17E-02	1.25E-01	3.30E-01
4.00E+00	1.28E-03	1.30E-02	6.99E-02	4.00E-01
5.00E+00	8.18E-04	1.38E-02	3.46E-02	4.35E-01
6.00E+00	6.09E-04	1.44E-02	1.64E-02	4.51E-01
7.00E+00	4.98E-04	1.49E-02	7.79E-03	4.59E-01
8.00E+00	4.27E-04	1.53E-02	3.77E-03	4.63E-01
9.00E+00	3.75E-04	1.57E-02	1.90E-03	4.65E-01
1.00E+01	3.34E-04	1.60E-02	1.01E-03	4.66E-01
2.00E+01	1.29E-04	1.80E-02	1.61E-04	4.68E-01
3.00E+01	6.50E-05	1.89E-02	1.43E-04	4.70E-01
4.00E+01	4.37E-05	1.94E-02	1.36E-04	4.71E-01
5.00E+01	3.59E-05	1.98E-02	1.32E-04	4.72E-01
6.00E+01	3.24E-05	2.02E-02	1.29E-04	4.74E-01
7.00E+01	3.05E-05	2.05E-02	1.27E-04	4.75E-01
8.00E+01	2.91E-05	2.08E-02	1.25E-04	4.76E-01
9.00E+01	2.79E-05	2.11E-02	1.23E-04	4.78E-01
1.00E+02	2.70E-05	2.13E-02	1.21E-04	4.79E-01
2.00E+02	2.14E-05	2.37E-02	1.05E-04	4.90E-01
3.00E+02	1.94E-05	2.57E-02	9.17E-05	5.00E-01
4.00E+02	1.84E-05	2.76E-02	8.02E-05	5.08E-01
5.00E+02	1.77E-05	2.94E-02	7.03E-05	5.16E-01
6.00E+02	1.71E-05	3.11E-02	6.16E-05	5.23E-01
7.00E+02	1.65E-05	3.28E-02	5.40E-05	5.28E-01
8.00E+02	1.59E-05	3.44E-02	4.74E-05	5.33E-01
9.00E+02	1.53E-05	3.60E-02	4.16E-05	5.38E-01
1.00E+03	1.46E-05	3.75E-02	3.66E-05	5.42E-01
2.00E+03	8.81E-06	4.91E-02	1.04E-05	5.62E-01
3.00E+03	4.89E-06	5.58E-02	3.28E-06	5.69E-01
4.00E+03	2.62E-06	5.94E-02	1.17E-06	5.71E-01
5.00E+03	1.37E-06	6.13E-02	4.71E-07	5.71E-01
6.00E+03	7.09E-07	6.24E-02	2.09E-07	5.72E-01
7.00E+03	3.64E-07	6.29E-02	9.91E-08	5.72E-01
8.00E+03	1.86E-07	6.31E-02	4.85E-08	5.72E-01
9.00E+03	9.45E-08	6.33E-02	2.41E-08	5.72E-01
1.00E+04	4.79E-08	6.33E-02	1.21E-08	5.72E-01

CLASS Y

AMAD = 1 MICRON

HALFLIFE= 1.92E+03 DAYS

COBALT 60

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	4.15E-03	3.04E-01	2.58E-01	7.26E-02	6.39E-01
2.00E-01	5.50E-03	2.85E-01	2.17E-01	1.31E-01	6.38E-01
3.00E-01	7.33E-03	2.70E-01	1.82E-01	1.77E-01	6.37E-01
4.00E-01	9.13E-03	2.57E-01	1.53E-01	2.15E-01	6.34E-01
5.00E-01	1.07E-02	2.47E-01	1.29E-01	2.44E-01	6.30E-01
6.00E-01	1.20E-02	2.38E-01	1.08E-01	2.66E-01	6.24E-01
7.00E-01	1.30E-02	2.31E-01	9.12E-02	2.81E-01	6.17E-01
8.00E-01	1.37E-02	2.24E-01	7.67E-02	2.92E-01	6.07E-01
9.00E-01	1.42E-02	2.18E-01	6.45E-02	2.98E-01	5.96E-01
1.00E+00	1.46E-02	2.13E-01	5.42E-02	3.01E-01	5.83E-01
2.00E+00	1.41E-02	1.80E-01	9.58E-03	2.20E-01	4.24E-01
3.00E+00	1.26E-02	1.64E-01	1.69E-03	1.18E-01	2.97E-01
4.00E+00	1.16E-02	1.56E-01	2.99E-04	5.72E-02	2.26E-01
5.00E+00	1.08E-02	1.52E-01	5.29E-05	2.69E-02	1.90E-01
6.00E+00	1.02E-02	1.50E-01	9.34E-06	1.27E-02	1.73E-01
7.00E+00	9.64E-03	1.49E-01	1.65E-06	6.06E-03	1.65E-01
8.00E+00	9.16E-03	1.48E-01	2.92E-07	2.99E-03	1.61E-01
9.00E+00	8.73E-03	1.48E-01	5.16E-08	1.55E-03	1.58E-01
1.00E+01	8.34E-03	1.48E-01	0.00E+00	8.68E-04	1.57E-01
2.00E+01	6.06E-03	1.45E-01	0.00E+00	2.23E-04	1.52E-01
3.00E+01	5.19E-03	1.43E-01	0.00E+00	2.19E-04	1.49E-01
4.00E+01	4.78E-03	1.41E-01	0.00E+00	2.15E-04	1.46E-01
5.00E+01	4.52E-03	1.39E-01	0.00E+00	2.11E-04	1.44E-01
6.00E+01	4.33E-03	1.38E-01	0.00E+00	2.08E-04	1.42E-01
7.00E+01	4.16E-03	1.36E-01	0.00E+00	2.04E-04	1.40E-01
8.00E+01	4.02E-03	1.34E-01	0.00E+00	2.00E-04	1.38E-01
9.00E+01	3.90E-03	1.32E-01	0.00E+00	1.97E-04	1.36E-01
1.00E+02	3.78E-03	1.30E-01	0.00E+00	1.94E-04	1.34E-01
2.00E+02	3.11E-03	1.13E-01	0.00E+00	1.62E-04	1.17E-01
3.00E+02	2.83E-03	9.89E-02	0.00E+00	1.36E-04	1.02E-01
4.00E+02	2.66E-03	8.64E-02	0.00E+00	1.15E-04	8.92E-02
5.00E+02	2.53E-03	7.56E-02	0.00E+00	9.62E-05	7.82E-02
6.00E+02	2.41E-03	6.63E-02	0.00E+00	8.08E-05	6.88E-02
7.00E+02	2.29E-03	5.82E-02	0.00E+00	6.78E-05	6.05E-02
8.00E+02	2.18E-03	5.11E-02	0.00E+00	5.70E-05	5.34E-02
9.00E+02	2.06E-03	4.50E-02	0.00E+00	4.78E-05	4.72E-02
1.00E+03	1.95E-03	3.97E-02	0.00E+00	4.02E-05	4.17E-02
2.00E+03	1.02E-03	1.24E-02	0.00E+00	7.00E-06	1.34E-02
3.00E+03	4.70E-04	4.53E-03	0.00E+00	1.22E-06	5.00E-03
4.00E+03	2.00E-04	1.95E-03	0.00E+00	2.12E-07	2.15E-03
5.00E+03	8.05E-05	9.73E-04	0.00E+00	3.70E-08	1.05E-03
6.00E+03	3.14E-05	5.51E-04	0.00E+00	0.00E+00	5.82E-04
7.00E+03	1.19E-05	3.41E-04	0.00E+00	0.00E+00	3.53E-04
8.00E+03	4.44E-06	2.23E-04	0.00E+00	0.00E+00	2.27E-04
9.00E+03	1.63E-06	1.50E-04	0.00E+00	0.00E+00	1.52E-04
1.00E+04	5.94E-07	1.03E-04	0.00E+00	0.00E+00	1.03E-04

CLASS Y AMAD = 1 MICRON

HALFLIFE= 1.92E+03 DAYS

COBALT 60

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	24-HOUR URINE	ACCUMULATED URINE	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		1.92E-04		5.85E-05
2.00E-01		4.52E-04		3.21E-04
3.00E-01		7.90E-04		1.24E-03
4.00E-01		1.21E-03		3.32E-03
5.00E-01		1.71E-03		6.95E-03
6.00E-01		2.26E-03		1.24E-02
7.00E-01		2.84E-03		1.96E-02
8.00E-01		3.45E-03		2.86E-02
9.00E-01		4.05E-03		3.93E-02
1.00E+00	4.64E-03	4.64E-03	5.15E-02	5.15E-02
2.00E+00	4.64E-03	9.29E-03	1.54E-01	2.06E-01
3.00E+00	2.40E-03	1.17E-02	1.24E-01	3.30E-01
4.00E+00	1.28E-03	1.30E-02	6.98E-02	4.00E-01
5.00E+00	8.17E-04	1.38E-02	3.45E-02	4.34E-01
6.00E+00	6.08E-04	1.44E-02	1.64E-02	4.50E-01
7.00E+00	4.97E-04	1.49E-02	7.77E-03	4.58E-01
8.00E+00	4.26E-04	1.53E-02	3.76E-03	4.61E-01
9.00E+00	3.74E-04	1.57E-02	1.89E-03	4.63E-01
1.00E+01	3.33E-04	1.60E-02	1.01E-03	4.64E-01
2.00E+01	1.28E-04	1.79E-02	1.60E-04	4.65E-01
3.00E+01	6.43E-05	1.87E-02	1.41E-04	4.65E-01
4.00E+01	4.30E-05	1.92E-02	1.34E-04	4.64E-01
5.00E+01	3.52E-05	1.95E-02	1.29E-04	4.64E-01
6.00E+01	3.17E-05	1.97E-02	1.27E-04	4.64E-01
7.00E+01	2.97E-05	2.00E-02	1.24E-04	4.63E-01
8.00E+01	2.83E-05	2.02E-02	1.22E-04	4.63E-01
9.00E+01	2.70E-05	2.04E-02	1.19E-04	4.62E-01
1.00E+02	2.60E-05	2.06E-02	1.17E-04	4.62E-01
2.00E+02	1.99E-05	2.20E-02	9.78E-05	4.56E-01
3.00E+02	1.74E-05	2.31E-02	8.23E-05	4.49E-01
4.00E+02	1.59E-05	2.39E-02	6.95E-05	4.40E-01
5.00E+02	1.48E-05	2.45E-02	5.87E-05	4.31E-01
6.00E+02	1.38E-05	2.51E-02	4.96E-05	4.21E-01
7.00E+02	1.28E-05	2.55E-02	4.20E-05	4.10E-01
8.00E+02	1.19E-05	2.58E-02	3.55E-05	4.00E-01
9.00E+02	1.10E-05	2.60E-02	3.01E-05	3.89E-01
1.00E+03	1.02E-05	2.61E-02	2.55E-05	3.78E-01
2.00E+03	4.28E-06	2.38E-02	5.07E-06	2.73E-01
3.00E+03	1.66E-06	1.89E-02	1.11E-06	1.93E-01
4.00E+03	6.17E-07	1.40E-02	2.76E-07	1.35E-01
5.00E+03	2.25E-07	1.01E-02	7.75E-08	9.40E-02
6.00E+03	8.13E-08	7.15E-03	2.40E-08	6.55E-02
7.00E+03	2.91E-08	5.02E-03	0.00E+00	4.57E-02
8.00E+03	1.04E-08	3.52E-03	0.00E+00	3.18E-02

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	1.20E-02	3.04E-01	2.58E-01	6.49E-02	6.39E-01
2.00E-01	3.57E-02	2.85E-01	2.17E-01	1.01E-01	6.39E-01
3.00E-01	6.29E-02	2.70E-01	1.82E-01	1.23E-01	6.38E-01
4.00E-01	8.78E-02	2.57E-01	1.53E-01	1.38E-01	6.37E-01
5.00E-01	1.09E-01	2.47E-01	1.29E-01	1.49E-01	6.34E-01
6.00E-01	1.27E-01	2.38E-01	1.08E-01	1.56E-01	6.30E-01
7.00E-01	1.43E-01	2.31E-01	9.12E-02	1.61E-01	6.26E-01
8.00E-01	1.55E-01	2.24E-01	7.67E-02	1.64E-01	6.20E-01
9.00E-01	1.66E-01	2.19E-01	6.45E-02	1.64E-01	6.14E-01
1.00E+00	1.76E-01	2.13E-01	5.42E-02	1.63E-01	6.06E-01
2.00E+00	2.19E-01	1.80E-01	9.59E-03	1.12E-01	5.21E-01
3.00E+00	2.28E-01	1.65E-01	1.70E-03	5.91E-02	4.54E-01
4.00E+00	2.30E-01	1.57E-01	3.00E-04	2.85E-02	4.15E-01
5.00E+00	2.28E-01	1.53E-01	5.30E-05	1.34E-02	3.94E-01
6.00E+00	2.25E-01	1.51E-01	9.37E-06	6.31E-03	3.82E-01
7.00E+00	2.22E-01	1.49E-01	1.66E-06	3.03E-03	3.74E-01
8.00E+00	2.18E-01	1.49E-01	2.93E-07	1.50E-03	3.69E-01
9.00E+00	2.15E-01	1.48E-01	5.17E-08	7.85E-04	3.64E-01
1.00E+01	2.11E-01	1.48E-01	0.00E+00	4.43E-04	3.60E-01
2.00E+01	1.79E-01	1.46E-01	0.00E+00	1.21E-04	3.25E-01
3.00E+01	1.51E-01	1.45E-01	0.00E+00	1.19E-04	2.96E-01
4.00E+01	1.28E-01	1.43E-01	0.00E+00	1.17E-04	2.71E-01
5.00E+01	1.08E-01	1.42E-01	0.00E+00	1.16E-04	2.50E-01
6.00E+01	9.17E-02	1.41E-01	0.00E+00	1.14E-04	2.32E-01
7.00E+01	7.79E-02	1.39E-01	0.00E+00	1.13E-04	2.17E-01
8.00E+01	6.62E-02	1.38E-01	0.00E+00	1.11E-04	2.04E-01
9.00E+01	5.64E-02	1.36E-01	0.00E+00	1.09E-04	1.93E-01
1.00E+02	4.82E-02	1.35E-01	0.00E+00	1.08E-04	1.83E-01
2.00E+02	1.20E-02	1.22E-01	0.00E+00	9.40E-05	1.34E-01
3.00E+02	5.28E-03	1.10E-01	0.00E+00	8.18E-05	1.16E-01
4.00E+02	3.80E-03	9.98E-02	0.00E+00	7.12E-05	1.04E-01
5.00E+02	3.27E-03	9.06E-02	0.00E+00	6.20E-05	9.39E-02
6.00E+02	2.94E-03	8.23E-02	0.00E+00	5.40E-05	8.53E-02
7.00E+02	2.67E-03	7.49E-02	0.00E+00	4.70E-05	7.76E-02
8.00E+02	2.43E-03	6.83E-02	0.00E+00	4.09E-05	7.08E-02
9.00E+02	2.22E-03	6.23E-02	0.00E+00	3.56E-05	6.46E-02
1.00E+03	2.03E-03	5.70E-02	0.00E+00	3.10E-05	5.91E-02
2.00E+03	8.57E-04	2.55E-02	0.00E+00	7.75E-06	2.63E-02
3.00E+03	3.89E-04	1.34E-02	0.00E+00	1.94E-06	1.38E-02
4.00E+03	1.85E-04	8.25E-03	0.00E+00	4.84E-07	8.43E-03
5.00E+03	9.00E-05	5.92E-03	0.00E+00	1.21E-07	6.01E-03
6.00E+03	4.44E-05	4.81E-03	0.00E+00	3.03E-08	4.85E-03
7.00E+03	2.21E-05	4.27E-03	0.00E+00	0.00E+00	4.29E-03
8.00E+03	1.10E-05	4.00E-03	0.00E+00	0.00E+00	4.01E-03
9.00E+03	5.49E-06	3.87E-03	0.00E+00	0.00E+00	3.87E-03
1.00E+04	2.74E-06	3.80E-03	0.00E+00	0.00E+00	3.81E-03

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		9.97E-06		9.50E-06
2.00E-01		5.01E-05		1.76E-04
3.00E-01		1.36E-04		8.23E-04
4.00E-01		2.67E-04		2.25E-03
5.00E-01		4.38E-04		4.65E-03
6.00E-01		6.43E-04		8.07E-03
7.00E-01		8.77E-04		1.25E-02
8.00E-01		1.14E-03		1.79E-02
9.00E-01		1.42E-03		2.41E-02
1.00E+00	1.71E-03	1.71E-03	3.10E-02	3.10E-02
2.00E+00	3.50E-03	5.22E-03	8.22E-02	1.13E-01
3.00E+00	3.89E-03	9.11E-03	6.31E-02	1.76E-01
4.00E+00	3.97E-03	1.31E-02	3.47E-02	2.11E-01
5.00E+00	3.97E-03	1.70E-02	1.70E-02	2.28E-01
6.00E+00	3.93E-03	2.10E-02	8.05E-03	2.36E-01
7.00E+00	3.87E-03	2.48E-02	3.79E-03	2.40E-01
8.00E+00	3.82E-03	2.87E-02	1.82E-03	2.42E-01
9.00E+00	3.75E-03	3.24E-02	8.97E-04	2.43E-01
1.00E+01	3.69E-03	3.61E-02	4.65E-04	2.43E-01
2.00E+01	3.12E-03	6.98E-02	6.78E-05	2.44E-01
3.00E+01	2.64E-03	9.83E-02	6.65E-05	2.45E-01
4.00E+01	2.23E-03	1.22E-01	6.56E-05	2.45E-01
5.00E+01	1.89E-03	1.43E-01	6.47E-05	2.46E-01
6.00E+01	1.60E-03	1.60E-01	6.38E-05	2.47E-01
7.00E+01	1.36E-03	1.75E-01	6.29E-05	2.47E-01
8.00E+01	1.16E-03	1.87E-01	6.20E-05	2.48E-01
9.00E+01	9.85E-04	1.98E-01	6.12E-05	2.49E-01
1.00E+02	8.41E-04	2.07E-01	6.03E-05	2.49E-01
2.00E+02	2.09E-04	2.50E-01	5.25E-05	2.55E-01
3.00E+02	9.17E-05	2.64E-01	4.57E-05	2.60E-01
4.00E+02	6.59E-05	2.71E-01	3.98E-05	2.64E-01
5.00E+02	5.67E-05	2.78E-01	3.47E-05	2.68E-01
7.00E+02	4.63E-05	2.88E-01	2.63E-05	2.74E-01
8.00E+02	4.22E-05	2.92E-01	2.29E-05	2.76E-01
9.00E+02	3.85E-05	2.96E-01	1.99E-05	2.78E-01
1.00E+03	3.51E-05	3.00E-01	1.73E-05	2.80E-01
2.00E+03	1.49E-05	3.23E-01	4.33E-06	2.90E-01
3.00E+03	6.75E-06	3.33E-01	1.08E-06	2.92E-01
4.00E+03	3.21E-06	3.38E-01	2.71E-07	2.93E-01
5.00E+03	1.56E-06	3.40E-01	6.77E-08	2.93E-01
7.00E+03	3.82E-07	3.42E-01	0.00E+00	2.93E-01
8.00E+03	1.90E-07	3.42E-01	0.00E+00	2.93E-01
9.00E+03	9.51E-08	3.43E-01	0.00E+00	2.93E-01
1.00E+04	4.75E-08	3.43E-01	0.00E+00	2.93E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	1.20E-02	3.04E-01	2.58E-01	6.49E-02	6.39E-01
2.00E-01	3.57E-02	2.85E-01	2.17E-01	1.01E-01	6.39E-01
3.00E-01	6.29E-02	2.70E-01	1.82E-01	1.23E-01	6.38E-01
4.00E-01	8.79E-02	2.57E-01	1.53E-01	1.38E-01	6.37E-01
5.00E-01	1.09E-01	2.47E-01	1.29E-01	1.49E-01	6.34E-01
6.00E-01	1.28E-01	2.38E-01	1.08E-01	1.56E-01	6.31E-01
7.00E-01	1.43E-01	2.31E-01	9.12E-02	1.61E-01	6.26E-01
8.00E-01	1.56E-01	2.24E-01	7.67E-02	1.64E-01	6.21E-01
9.00E-01	1.67E-01	2.19E-01	6.45E-02	1.64E-01	6.14E-01
1.00E+00	1.76E-01	2.13E-01	5.42E-02	1.63E-01	6.07E-01
2.00E+00	2.21E-01	1.80E-01	9.59E-03	1.12E-01	5.23E-01
3.00E+00	2.32E-01	1.65E-01	1.70E-03	5.91E-02	4.58E-01
4.00E+00	2.36E-01	1.57E-01	3.00E-04	2.85E-02	4.21E-01
5.00E+00	2.36E-01	1.53E-01	5.30E-05	1.34E-02	4.02E-01
6.00E+00	2.35E-01	1.51E-01	9.37E-06	6.31E-03	3.92E-01
7.00E+00	2.34E-01	1.49E-01	1.66E-06	3.03E-03	3.86E-01
8.00E+00	2.32E-01	1.49E-01	2.93E-07	1.50E-03	3.82E-01
9.00E+00	2.30E-01	1.48E-01	5.17E-08	7.85E-04	3.79E-01
1.00E+01	2.29E-01	1.48E-01	0.00E+00	4.43E-04	3.77E-01
2.00E+01	2.14E-01	1.46E-01	0.00E+00	1.21E-04	3.60E-01
3.00E+01	2.02E-01	1.45E-01	0.00E+00	1.19E-04	3.47E-01
4.00E+01	1.93E-01	1.43E-01	0.00E+00	1.17E-04	3.37E-01
5.00E+01	1.87E-01	1.42E-01	0.00E+00	1.16E-04	3.29E-01
6.00E+01	1.81E-01	1.41E-01	0.00E+00	1.14E-04	3.22E-01
7.00E+01	1.76E-01	1.39E-01	0.00E+00	1.13E-04	3.16E-01
8.00E+01	1.73E-01	1.38E-01	0.00E+00	1.11E-04	3.10E-01
9.00E+01	1.69E-01	1.36E-01	0.00E+00	1.09E-04	3.06E-01
1.00E+02	1.66E-01	1.35E-01	0.00E+00	1.08E-04	3.01E-01
2.00E+02	1.43E-01	1.22E-01	0.00E+00	9.40E-05	2.65E-01
3.00E+02	1.25E-01	1.10E-01	0.00E+00	8.18E-05	2.36E-01
4.00E+02	1.10E-01	9.98E-02	0.00E+00	7.12E-05	2.10E-01
5.00E+02	9.62E-02	9.06E-02	0.00E+00	6.20E-05	1.87E-01
6.00E+02	8.44E-02	8.23E-02	0.00E+00	5.40E-05	1.67E-01
7.00E+02	7.42E-02	7.49E-02	0.00E+00	4.70E-05	1.49E-01
8.00E+02	6.54E-02	6.83E-02	0.00E+00	4.09E-05	1.34E-01
9.00E+02	5.77E-02	6.23E-02	0.00E+00	3.56E-05	1.20E-01
1.00E+03	5.10E-02	5.70E-02	0.00E+00	3.10E-05	1.08E-01
2.00E+03	1.62E-02	2.55E-02	0.00E+00	7.75E-06	4.17E-02
3.00E+03	6.06E-03	1.34E-02	0.00E+00	1.94E-06	1.94E-02
4.00E+03	2.57E-03	8.25E-03	0.00E+00	4.84E-07	1.08E-02
5.00E+03	1.18E-03	5.92E-03	0.00E+00	1.21E-07	7.09E-03
7.00E+03	2.75E-04	4.27E-03	0.00E+00	0.00E+00	4.54E-03
8.00E+03	1.36E-04	4.00E-03	0.00E+00	0.00E+00	4.14E-03
9.00E+03	6.77E-05	3.87E-03	0.00E+00	0.00E+00	3.94E-03
1.00E+04	3.38E-05	3.80E-03	0.00E+00	0.00E+00	3.84E-03
2.00E+04	3.29E-08	3.74E-03	0.00E+00	0.00E+00	3.74E-03

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	24-HOUR URINE	ACCUMULATED URINE	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		1.39E-06		1.37E-05
2.00E-01		6.96E-06		1.97E-04
3.00E-01		1.88E-05		8.80E-04
4.00E-01		3.70E-05		2.36E-03
5.00E-01		6.08E-05		4.83E-03
6.00E-01		8.93E-05		8.34E-03
7.00E-01		1.22E-04		1.29E-02
8.00E-01		1.58E-04		1.84E-02
9.00E-01		1.96E-04		2.47E-02
1.00E+00	2.37E-04	2.37E-04	3.17E-02	3.17E-02
2.00E+00	4.82E-04	7.19E-04	8.36E-02	1.15E-01
3.00E+00	5.29E-04	1.25E-03	6.46E-02	1.80E-01
4.00E+00	5.34E-04	1.78E-03	3.63E-02	2.16E-01
5.00E+00	5.27E-04	2.31E-03	1.86E-02	2.35E-01
6.00E+00	5.15E-04	2.82E-03	9.60E-03	2.45E-01
7.00E+00	5.03E-04	3.33E-03	5.30E-03	2.50E-01
8.00E+00	4.89E-04	3.82E-03	3.28E-03	2.53E-01
9.00E+00	4.76E-04	4.29E-03	2.32E-03	2.55E-01
1.00E+01	4.62E-04	4.75E-03	1.85E-03	2.57E-01
2.00E+01	3.51E-04	8.73E-03	1.12E-03	2.70E-01
3.00E+01	2.72E-04	1.18E-02	8.81E-04	2.80E-01
4.00E+01	2.15E-04	1.42E-02	7.11E-04	2.88E-01
5.00E+01	1.75E-04	1.61E-02	5.90E-04	2.94E-01
6.00E+01	1.46E-04	1.77E-02	5.03E-04	3.00E-01
7.00E+01	1.26E-04	1.90E-02	4.40E-04	3.04E-01
8.00E+01	1.11E-04	2.02E-02	3.95E-04	3.09E-01
9.00E+01	1.00E-04	2.12E-02	3.62E-04	3.12E-01
1.00E+02	9.23E-05	2.22E-02	3.37E-04	3.16E-01
2.00E+02	6.67E-05	2.97E-02	2.53E-04	3.44E-01
3.00E+02	5.80E-05	3.59E-02	2.20E-04	3.68E-01
4.00E+02	5.09E-05	4.14E-02	1.92E-04	3.88E-01
5.00E+02	4.47E-05	4.62E-02	1.69E-04	4.06E-01
6.00E+02	3.94E-05	5.03E-02	1.48E-04	4.22E-01
7.00E+02	3.47E-05	5.40E-02	1.30E-04	4.36E-01
8.00E+02	3.06E-05	5.73E-02	1.15E-04	4.48E-01
9.00E+02	2.71E-05	6.02E-02	1.01E-04	4.59E-01
1.00E+03	2.40E-05	6.27E-02	8.93E-05	4.68E-01
2.00E+03	7.84E-06	7.70E-02	2.78E-05	5.20E-01
3.00E+03	3.00E-06	8.19E-02	1.01E-05	5.38E-01
4.00E+03	1.29E-06	8.40E-02	4.14E-06	5.44E-01
5.00E+03	5.96E-07	8.48E-02	1.86E-06	5.47E-01
6.00E+03	2.86E-07	8.53E-02	8.76E-07	5.48E-01
7.00E+03	1.40E-07	8.55E-02	4.26E-07	5.49E-01
8.00E+03	6.96E-08	8.56E-02	2.10E-07	5.49E-01
9.00E+03	3.46E-08	8.56E-02	1.04E-07	5.50E-01
1.00E+04	1.73E-08	8.56E-02	5.19E-08	5.50E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	1.20E-02	3.04E-01	2.58E-01	6.49E-02	6.39E-01
2.00E-01	3.57E-02	2.85E-01	2.17E-01	1.01E-01	6.39E-01
3.00E-01	6.29E-02	2.70E-01	1.82E-01	1.23E-01	6.38E-01
4.00E-01	8.78E-02	2.57E-01	1.53E-01	1.38E-01	6.36E-01
5.00E-01	1.09E-01	2.47E-01	1.29E-01	1.48E-01	6.33E-01
6.00E-01	1.27E-01	2.38E-01	1.08E-01	1.56E-01	6.30E-01
7.00E-01	1.43E-01	2.30E-01	9.11E-02	1.61E-01	6.25E-01
8.00E-01	1.56E-01	2.24E-01	7.65E-02	1.63E-01	6.19E-01
9.00E-01	1.67E-01	2.18E-01	6.43E-02	1.64E-01	6.13E-01
1.00E+00	1.76E-01	2.13E-01	5.41E-02	1.63E-01	6.05E-01
2.00E+00	2.20E-01	1.79E-01	9.54E-03	1.11E-01	5.20E-01
3.00E+00	2.30E-01	1.63E-01	1.68E-03	5.86E-02	4.54E-01
4.00E+00	2.33E-01	1.55E-01	2.96E-04	2.82E-02	4.16E-01
5.00E+00	2.32E-01	1.50E-01	5.22E-05	1.32E-02	3.96E-01
6.00E+00	2.31E-01	1.48E-01	9.21E-06	6.20E-03	3.85E-01
7.00E+00	2.29E-01	1.46E-01	1.62E-06	2.97E-03	3.78E-01
8.00E+00	2.27E-01	1.45E-01	2.86E-07	1.47E-03	3.74E-01
9.00E+00	2.24E-01	1.45E-01	5.04E-08	7.65E-04	3.70E-01
1.00E+01	2.22E-01	1.44E-01	0.00E+00	4.31E-04	3.66E-01
2.00E+01	2.02E-01	1.38E-01	0.00E+00	1.14E-04	3.40E-01
3.00E+01	1.86E-01	1.33E-01	0.00E+00	1.09E-04	3.19E-01
4.00E+01	1.73E-01	1.28E-01	0.00E+00	1.05E-04	3.01E-01
5.00E+01	1.62E-01	1.23E-01	0.00E+00	1.00E-04	2.85E-01
6.00E+01	1.53E-01	1.18E-01	0.00E+00	9.62E-05	2.71E-01
7.00E+01	1.45E-01	1.14E-01	0.00E+00	9.22E-05	2.59E-01
8.00E+01	1.37E-01	1.10E-01	0.00E+00	8.84E-05	2.47E-01
9.00E+01	1.31E-01	1.06E-01	0.00E+00	8.48E-05	2.37E-01
1.00E+02	1.25E-01	1.01E-01	0.00E+00	8.13E-05	2.27E-01
2.00E+02	8.12E-02	6.90E-02	0.00E+00	5.32E-05	1.50E-01
3.00E+02	5.34E-02	4.70E-02	0.00E+00	3.49E-05	1.00E-01
4.00E+02	3.52E-02	3.20E-02	0.00E+00	2.29E-05	6.72E-02
5.00E+02	2.32E-02	2.19E-02	0.00E+00	1.50E-05	4.51E-02
6.00E+02	1.53E-02	1.50E-02	0.00E+00	9.81E-06	3.03E-02
7.00E+02	1.02E-02	1.02E-02	0.00E+00	6.43E-06	2.04E-02
8.00E+02	6.73E-03	7.03E-03	0.00E+00	4.21E-06	1.38E-02
9.00E+02	4.47E-03	4.83E-03	0.00E+00	2.76E-06	9.30E-03
1.00E+03	2.97E-03	3.32E-03	0.00E+00	1.81E-06	6.30E-03
2.00E+03	5.51E-05	8.66E-05	0.00E+00	2.64E-08	1.42E-04
3.00E+03	1.20E-06	2.65E-06	0.00E+00	0.00E+00	3.85E-06
4.00E+03	2.97E-08	9.54E-08	0.00E+00	0.00E+00	1.25E-07

CLASS Y

AMAD = 1 MICRON

HALFLIFE= 2.44E+02 DAYS

ZINC 65

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	24-HOUR URINE	ACCUMULATED URINE	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		1.39E-06		1.37E-05
2.00E-01		6.96E-06		1.96E-04
3.00E-01		1.88E-05		8.79E-04
4.00E-01		3.70E-05		2.36E-03
5.00E-01		6.07E-05		4.82E-03
6.00E-01		8.91E-05		8.32E-03
7.00E-01		1.22E-04		1.29E-02
8.00E-01		1.57E-04		1.83E-02
9.00E-01		1.96E-04		2.46E-02
1.00E+00	2.36E-04	2.36E-04	3.16E-02	3.16E-02
2.00E+00	4.79E-04	7.15E-04	8.32E-02	1.15E-01
3.00E+00	5.25E-04	1.24E-03	6.41E-02	1.78E-01
4.00E+00	5.28E-04	1.76E-03	3.59E-02	2.14E-01
5.00E+00	5.19E-04	2.28E-03	1.84E-02	2.32E-01
6.00E+00	5.07E-04	2.78E-03	9.43E-03	2.40E-01
7.00E+00	4.93E-04	3.26E-03	5.20E-03	2.45E-01
8.00E+00	4.78E-04	3.73E-03	3.21E-03	2.47E-01
9.00E+00	4.64E-04	4.18E-03	2.27E-03	2.49E-01
1.00E+01	4.50E-04	4.62E-03	1.80E-03	2.50E-01
2.00E+01	3.32E-04	8.25E-03	1.06E-03	2.55E-01
3.00E+01	2.49E-04	1.08E-02	8.09E-04	2.57E-01
4.00E+01	1.92E-04	1.27E-02	6.35E-04	2.57E-01
5.00E+01	1.52E-04	1.40E-02	5.12E-04	2.55E-01
6.00E+01	1.23E-04	1.49E-02	4.24E-04	2.53E-01
7.00E+01	1.03E-04	1.56E-02	3.61E-04	2.50E-01
8.00E+01	8.84E-05	1.61E-02	3.15E-04	2.46E-01
9.00E+01	7.76E-05	1.65E-02	2.80E-04	2.42E-01
1.00E+02	6.95E-05	1.67E-02	2.54E-04	2.38E-01
2.00E+02	3.78E-05	1.68E-02	1.43E-04	1.95E-01
3.00E+02	2.47E-05	1.53E-02	9.37E-05	1.57E-01
4.00E+02	1.63E-05	1.33E-02	6.18E-05	1.25E-01
5.00E+02	1.08E-05	1.11E-02	4.08E-05	9.81E-02
6.00E+02	7.15E-06	9.15E-03	2.69E-05	7.67E-02
7.00E+02	4.75E-06	7.39E-03	1.78E-05	5.96E-02
8.00E+02	3.15E-06	5.90E-03	1.18E-05	4.61E-02
9.00E+02	2.10E-06	4.66E-03	7.84E-06	3.56E-02
1.00E+03	1.40E-06	3.66E-03	5.21E-06	2.73E-02
2.00E+03	2.67E-08	2.62E-04	9.47E-08	1.77E-03

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	3.50E-03	3.04E-01	2.58E-01	7.29E-02	6.38E-01
2.00E-01	3.68E-03	2.84E-01	2.17E-01	1.32E-01	6.37E-01
3.00E-01	4.01E-03	2.69E-01	1.82E-01	1.80E-01	6.35E-01
4.00E-01	4.34E-03	2.56E-01	1.53E-01	2.19E-01	6.32E-01
5.00E-01	4.65E-03	2.46E-01	1.28E-01	2.49E-01	6.28E-01
6.00E-01	4.92E-03	2.37E-01	1.08E-01	2.72E-01	6.22E-01
7.00E-01	5.14E-03	2.29E-01	9.06E-02	2.89E-01	6.14E-01
8.00E-01	5.31E-03	2.22E-01	7.61E-02	3.00E-01	6.04E-01
9.00E-01	5.45E-03	2.16E-01	6.39E-02	3.07E-01	5.93E-01
1.00E+00	5.56E-03	2.11E-01	5.37E-02	3.09E-01	5.80E-01
2.00E+00	5.66E-03	1.77E-01	9.39E-03	2.25E-01	4.17E-01
3.00E+00	5.20E-03	1.59E-01	1.64E-03	1.20E-01	2.86E-01
4.00E+00	4.70E-03	1.50E-01	2.87E-04	5.75E-02	2.13E-01
5.00E+00	4.24E-03	1.45E-01	5.02E-05	2.68E-02	1.76E-01
6.00E+00	3.85E-03	1.41E-01	8.78E-06	1.25E-02	1.58E-01
7.00E+00	3.51E-03	1.39E-01	1.54E-06	5.91E-03	1.48E-01
8.00E+00	3.22E-03	1.37E-01	2.69E-07	2.89E-03	1.43E-01
9.00E+00	2.97E-03	1.35E-01	4.70E-08	1.48E-03	1.39E-01
1.00E+01	2.76E-03	1.33E-01	0.00E+00	8.18E-04	1.37E-01
2.00E+01	1.73E-03	1.18E-01	0.00E+00	1.89E-04	1.20E-01
3.00E+01	1.42E-03	1.05E-01	0.00E+00	1.67E-04	1.07E-01
4.00E+01	1.25E-03	9.35E-02	0.00E+00	1.48E-04	9.49E-02
5.00E+01	1.12E-03	8.32E-02	0.00E+00	1.31E-04	8.44E-02
6.00E+01	1.01E-03	7.40E-02	0.00E+00	1.16E-04	7.51E-02
7.00E+01	9.06E-04	6.58E-02	0.00E+00	1.03E-04	6.68E-02
8.00E+01	8.16E-04	5.85E-02	0.00E+00	9.13E-05	5.94E-02
9.00E+01	7.36E-04	5.21E-02	0.00E+00	8.09E-05	5.29E-02
1.00E+02	6.64E-04	4.63E-02	0.00E+00	7.17E-05	4.70E-02
2.00E+02	2.42E-04	1.44E-02	0.00E+00	2.14E-05	1.46E-02
3.00E+02	8.95E-05	4.46E-03	0.00E+00	6.41E-06	4.56E-03
4.00E+02	3.31E-05	1.39E-03	0.00E+00	1.92E-06	1.42E-03
5.00E+02	1.21E-05	4.32E-04	0.00E+00	5.72E-07	4.45E-04
6.00E+02	4.43E-06	1.35E-04	0.00E+00	1.71E-07	1.39E-04
7.00E+02	1.61E-06	4.21E-05	0.00E+00	5.11E-08	4.38E-05
8.00E+02	5.80E-07	1.32E-05	0.00E+00	1.53E-08	1.38E-05
9.00E+02	2.08E-07	4.13E-06	0.00E+00	0.00E+00	4.34E-06
1.00E+03	7.42E-08	1.30E-06	0.00E+00	0.00E+00	1.37E-06

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	24-HOUR URINE	ACCUMULATED URINE	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		4.18E-04		8.42E-05
2.00E-01		5.38E-04		3.04E-04
3.00E-01		6.34E-04		1.16E-03
4.00E-01		7.35E-04		3.18E-03
5.00E-01		8.39E-04		6.75E-03
6.00E-01		9.42E-04		1.21E-02
7.00E-01		1.04E-03		1.94E-02
8.00E-01		1.14E-03		2.84E-02
9.00E-01		1.23E-03		3.92E-02
1.00E+00	1.32E-03	1.32E-03	5.14E-02	5.14E-02
2.00E+00	7.73E-04	2.08E-03	1.56E-01	2.07E-01
3.00E+00	6.03E-04	2.66E-03	1.26E-01	3.30E-01
4.00E+00	4.87E-04	3.12E-03	6.99E-02	3.97E-01
5.00E+00	4.00E-04	3.49E-03	3.42E-02	4.27E-01
6.00E+00	3.32E-04	3.78E-03	1.61E-02	4.38E-01
7.00E+00	2.78E-04	4.02E-03	7.51E-03	4.41E-01
8.00E+00	2.34E-04	4.21E-03	3.57E-03	4.40E-01
9.00E+00	1.98E-04	4.36E-03	1.75E-03	4.37E-01
1.00E+01	1.68E-04	4.49E-03	9.05E-04	4.33E-01
2.00E+01	4.09E-05	4.79E-03	1.16E-04	3.91E-01
3.00E+01	1.69E-05	4.54E-03	9.85E-05	3.52E-01
4.00E+01	1.14E-05	4.21E-03	8.67E-05	3.18E-01
5.00E+01	9.54E-06	3.88E-03	7.67E-05	2.86E-01
6.00E+01	8.39E-06	3.57E-03	6.80E-05	2.58E-01
7.00E+01	7.48E-06	3.28E-03	6.03E-05	2.32E-01
8.00E+01	6.68E-06	3.02E-03	5.34E-05	2.09E-01
9.00E+01	5.97E-06	2.77E-03	4.73E-05	1.89E-01
1.00E+02	5.35E-06	2.54E-03	4.20E-05	1.70E-01
2.00E+02	1.80E-06	1.05E-03	1.26E-05	5.97E-02
3.00E+02	6.11E-07	4.23E-04	3.77E-06	2.09E-02
4.00E+02	2.08E-07	1.66E-04	1.13E-06	7.29E-03
5.00E+02	7.03E-08	6.42E-05	3.40E-07	2.54E-03
6.00E+02	2.37E-08	2.44E-05	1.02E-07	8.83E-04

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	3.50E-03	3.04E-01	2.58E-01	7.30E-02	6.39E-01
2.00E-01	3.69E-03	2.85E-01	2.17E-01	1.33E-01	6.38E-01
3.00E-01	4.02E-03	2.70E-01	1.82E-01	1.81E-01	6.37E-01
4.00E-01	4.36E-03	2.57E-01	1.53E-01	2.20E-01	6.35E-01
5.00E-01	4.68E-03	2.47E-01	1.29E-01	2.51E-01	6.31E-01
6.00E-01	4.95E-03	2.38E-01	1.08E-01	2.74E-01	6.26E-01
7.00E-01	5.17E-03	2.31E-01	9.12E-02	2.91E-01	6.19E-01
8.00E-01	5.36E-03	2.24E-01	7.67E-02	3.03E-01	6.09E-01
9.00E-01	5.51E-03	2.19E-01	6.45E-02	3.10E-01	5.98E-01
1.00E+00	5.62E-03	2.13E-01	5.42E-02	3.13E-01	5.86E-01
2.00E+00	5.78E-03	1.80E-01	9.59E-03	2.30E-01	4.26E-01
3.00E+00	5.37E-03	1.65E-01	1.70E-03	1.24E-01	2.95E-01
4.00E+00	4.90E-03	1.57E-01	3.00E-04	6.00E-02	2.22E-01
5.00E+00	4.47E-03	1.53E-01	5.30E-05	2.83E-02	1.85E-01
6.00E+00	4.10E-03	1.51E-01	9.37E-06	1.33E-02	1.68E-01
7.00E+00	3.78E-03	1.49E-01	1.66E-06	6.37E-03	1.60E-01
8.00E+00	3.50E-03	1.49E-01	2.93E-07	3.14E-03	1.55E-01
9.00E+00	3.27E-03	1.48E-01	5.17E-08	1.63E-03	1.53E-01
1.00E+01	3.07E-03	1.48E-01	0.00E+00	9.11E-04	1.52E-01
2.00E+01	2.15E-03	1.46E-01	0.00E+00	2.34E-04	1.49E-01
3.00E+01	1.96E-03	1.45E-01	0.00E+00	2.30E-04	1.47E-01
4.00E+01	1.92E-03	1.43E-01	0.00E+00	2.27E-04	1.46E-01
5.00E+01	1.91E-03	1.42E-01	0.00E+00	2.24E-04	1.44E-01
6.00E+01	1.91E-03	1.41E-01	0.00E+00	2.21E-04	1.43E-01
7.00E+01	1.91E-03	1.39E-01	0.00E+00	2.18E-04	1.41E-01
8.00E+01	1.92E-03	1.38E-01	0.00E+00	2.15E-04	1.40E-01
9.00E+01	1.93E-03	1.36E-01	0.00E+00	2.12E-04	1.38E-01
1.00E+02	1.93E-03	1.35E-01	0.00E+00	2.09E-04	1.37E-01
2.00E+02	2.05E-03	1.22E-01	0.00E+00	1.82E-04	1.24E-01
3.00E+02	2.21E-03	1.10E-01	0.00E+00	1.58E-04	1.13E-01
4.00E+02	2.38E-03	9.98E-02	0.00E+00	1.38E-04	1.02E-01
5.00E+02	2.55E-03	9.06E-02	0.00E+00	1.20E-04	9.32E-02
6.00E+02	2.71E-03	8.23E-02	0.00E+00	1.04E-04	8.51E-02
7.00E+02	2.86E-03	7.49E-02	0.00E+00	9.09E-05	7.79E-02
8.00E+02	3.00E-03	6.83E-02	0.00E+00	7.91E-05	7.14E-02
9.00E+02	3.14E-03	6.23E-02	0.00E+00	6.89E-05	6.55E-02
1.00E+03	3.26E-03	5.70E-02	0.00E+00	6.00E-05	6.03E-02
2.00E+03	3.96E-03	2.55E-02	0.00E+00	1.50E-05	2.94E-02
3.00E+03	3.97E-03	1.34E-02	0.00E+00	3.75E-06	1.73E-02
4.00E+03	3.69E-03	8.25E-03	0.00E+00	9.37E-07	1.19E-02
5.00E+03	3.31E-03	5.92E-03	0.00E+00	2.34E-07	9.22E-03
7.00E+03	2.59E-03	4.27E-03	0.00E+00	1.46E-08	6.85E-03
8.00E+03	2.29E-03	4.00E-03	0.00E+00	0.00E+00	6.29E-03
9.00E+03	2.04E-03	3.87E-03	0.00E+00	0.00E+00	5.91E-03
1.00E+04	1.82E-03	3.80E-03	0.00E+00	0.00E+00	5.63E-03
2.00E+04	7.18E-04	3.74E-03	0.00E+00	0.00E+00	4.45E-03

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	24-HOUR URINE	ACCUMULATED URINE	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		4.19E-04		8.43E-05
2.00E-01		5.39E-04		3.05E-04
3.00E-01		6.36E-04		1.17E-03
4.00E-01		7.38E-04		3.19E-03
5.00E-01		8.44E-04		6.79E-03
6.00E-01		9.48E-04		1.22E-02
7.00E-01		1.05E-03		1.95E-02
8.00E-01		1.15E-03		2.87E-02
9.00E-01		1.24E-03		3.96E-02
1.00E+00	1.34E-03	1.34E-03	5.20E-02	5.20E-02
2.00E+00	7.89E-04	2.13E-03	1.59E-01	2.11E-01
3.00E+00	6.22E-04	2.75E-03	1.30E-01	3.41E-01
4.00E+00	5.09E-04	3.26E-03	7.29E-02	4.14E-01
5.00E+00	4.22E-04	3.68E-03	3.61E-02	4.50E-01
6.00E+00	3.54E-04	4.03E-03	1.71E-02	4.67E-01
7.00E+00	2.99E-04	4.33E-03	8.09E-03	4.75E-01
8.00E+00	2.55E-04	4.59E-03	3.89E-03	4.79E-01
9.00E+00	2.18E-04	4.81E-03	1.93E-03	4.81E-01
1.00E+01	1.87E-04	4.99E-03	1.01E-03	4.82E-01
2.00E+01	5.07E-05	5.94E-03	1.43E-04	4.84E-01
3.00E+01	2.32E-05	6.26E-03	1.36E-04	4.86E-01
4.00E+01	1.75E-05	6.45E-03	1.33E-04	4.87E-01
5.00E+01	1.63E-05	6.62E-03	1.31E-04	4.88E-01
6.00E+01	1.59E-05	6.78E-03	1.29E-04	4.90E-01
7.00E+01	1.58E-05	6.94E-03	1.27E-04	4.91E-01
8.00E+01	1.57E-05	7.10E-03	1.26E-04	4.92E-01
9.00E+01	1.56E-05	7.25E-03	1.24E-04	4.93E-01
1.00E+02	1.56E-05	7.41E-03	1.22E-04	4.95E-01
2.00E+02	1.52E-05	8.95E-03	1.07E-04	5.06E-01
3.00E+02	1.51E-05	1.05E-02	9.32E-05	5.16E-01
4.00E+02	1.50E-05	1.20E-02	8.15E-05	5.25E-01
5.00E+02	1.47E-05	1.35E-02	7.12E-05	5.32E-01
6.00E+02	1.45E-05	1.49E-02	6.23E-05	5.39E-01
7.00E+02	1.41E-05	1.63E-02	5.45E-05	5.45E-01
8.00E+02	1.37E-05	1.77E-02	4.77E-05	5.50E-01
9.00E+02	1.33E-05	1.91E-02	4.18E-05	5.54E-01
1.00E+03	1.29E-05	2.04E-02	3.66E-05	5.58E-01
2.00E+03	8.19E-06	3.09E-02	1.00E-05	5.79E-01
3.00E+03	4.74E-06	3.72E-02	2.98E-06	5.85E-01
4.00E+03	2.69E-06	4.08E-02	1.01E-06	5.86E-01
5.00E+03	1.55E-06	4.29E-02	4.07E-07	5.87E-01
7.00E+03	5.80E-07	4.48E-02	1.11E-07	5.87E-01
8.00E+03	3.87E-07	4.53E-02	7.03E-08	5.88E-01
9.00E+03	2.75E-07	4.56E-02	4.90E-08	5.88E-01
1.00E+04	2.07E-07	4.59E-02	3.67E-08	5.88E-01
2.00E+04	5.25E-08	4.69E-02	0.00E+00	5.88E-01

CLASS Y

AMAD = 1 MICRON

HALFLIFE= 1.06E+04 DAYS

STRONTIUM 90

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	3.50E-03	3.04E-01	2.58E-01	7.30E-02	6.39E-01
2.00E-01	3.69E-03	2.85E-01	2.17E-01	1.33E-01	6.38E-01
3.00E-01	4.02E-03	2.70E-01	1.82E-01	1.81E-01	6.37E-01
4.00E-01	4.36E-03	2.57E-01	1.53E-01	2.20E-01	6.35E-01
5.00E-01	4.68E-03	2.47E-01	1.29E-01	2.51E-01	6.31E-01
6.00E-01	4.95E-03	2.38E-01	1.08E-01	2.74E-01	6.26E-01
7.00E-01	5.17E-03	2.31E-01	9.12E-02	2.91E-01	6.19E-01
8.00E-01	5.36E-03	2.24E-01	7.67E-02	3.03E-01	6.09E-01
9.00E-01	5.51E-03	2.19E-01	6.45E-02	3.10E-01	5.98E-01
1.00E+00	5.62E-03	2.13E-01	5.42E-02	3.13E-01	5.86E-01
2.00E+00	5.78E-03	1.80E-01	9.59E-03	2.30E-01	4.26E-01
3.00E+00	5.37E-03	1.65E-01	1.69E-03	1.24E-01	2.95E-01
4.00E+00	4.90E-03	1.57E-01	3.00E-04	6.00E-02	2.22E-01
5.00E+00	4.47E-03	1.53E-01	5.30E-05	2.82E-02	1.85E-01
6.00E+00	4.10E-03	1.50E-01	9.36E-06	1.33E-02	1.68E-01
7.00E+00	3.78E-03	1.49E-01	1.65E-06	6.36E-03	1.59E-01
8.00E+00	3.50E-03	1.49E-01	2.93E-07	3.14E-03	1.55E-01
9.00E+00	3.27E-03	1.48E-01	5.17E-08	1.63E-03	1.53E-01
1.00E+01	3.07E-03	1.48E-01	0.00E+00	9.10E-04	1.52E-01
2.00E+01	2.14E-03	1.46E-01	0.00E+00	2.34E-04	1.49E-01
3.00E+01	1.95E-03	1.45E-01	0.00E+00	2.30E-04	1.47E-01
4.00E+01	1.91E-03	1.43E-01	0.00E+00	2.26E-04	1.45E-01
5.00E+01	1.90E-03	1.42E-01	0.00E+00	2.23E-04	1.44E-01
6.00E+01	1.90E-03	1.40E-01	0.00E+00	2.20E-04	1.42E-01
7.00E+01	1.91E-03	1.38E-01	0.00E+00	2.17E-04	1.41E-01
8.00E+01	1.91E-03	1.37E-01	0.00E+00	2.14E-04	1.39E-01
9.00E+01	1.91E-03	1.35E-01	0.00E+00	2.11E-04	1.38E-01
1.00E+02	1.92E-03	1.34E-01	0.00E+00	2.08E-04	1.36E-01
2.00E+02	2.03E-03	1.20E-01	0.00E+00	1.79E-04	1.22E-01
3.00E+02	2.17E-03	1.08E-01	0.00E+00	1.55E-04	1.10E-01
4.00E+02	2.32E-03	9.72E-02	0.00E+00	1.34E-04	9.97E-02
5.00E+02	2.46E-03	8.77E-02	0.00E+00	1.16E-04	9.02E-02
6.00E+02	2.60E-03	7.91E-02	0.00E+00	1.00E-04	8.18E-02
7.00E+02	2.73E-03	7.15E-02	0.00E+00	8.68E-05	7.44E-02
8.00E+02	2.85E-03	6.48E-02	0.00E+00	7.51E-05	6.77E-02
9.00E+02	2.96E-03	5.88E-02	0.00E+00	6.50E-05	6.18E-02
1.00E+03	3.05E-03	5.34E-02	0.00E+00	5.62E-05	5.65E-02
2.00E+03	3.47E-03	2.23E-02	0.00E+00	1.32E-05	2.58E-02
3.00E+03	3.27E-03	1.10E-02	0.00E+00	3.08E-06	1.43E-02
4.00E+03	2.84E-03	6.35E-03	0.00E+00	7.22E-07	9.19E-03
5.00E+03	2.39E-03	4.27E-03	0.00E+00	1.69E-07	6.65E-03
7.00E+03	1.64E-03	2.70E-03	0.00E+00	0.00E+00	4.34E-03
8.00E+03	1.36E-03	2.37E-03	0.00E+00	0.00E+00	3.73E-03
9.00E+03	1.13E-03	2.15E-03	0.00E+00	0.00E+00	3.28E-03
1.00E+04	9.48E-04	1.98E-03	0.00E+00	0.00E+00	2.93E-03
2.00E+04	1.94E-04	1.01E-03	0.00E+00	0.00E+00	1.20E-03

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	24-HOUR URINE	ACCUMULATED URINE	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		4.19E-04		8.43E-05
2.00E-01		5.39E-04		3.05E-04
3.00E-01		6.36E-04		1.17E-03
4.00E-01		7.38E-04		3.19E-03
5.00E-01		8.44E-04		6.79E-03
6.00E-01		9.48E-04		1.22E-02
7.00E-01		1.05E-03		1.95E-02
8.00E-01		1.15E-03		2.87E-02
9.00E-01		1.24E-03		3.96E-02
1.00E+00	1.34E-03	1.34E-03	5.20E-02	5.20E-02
2.00E+00	7.89E-04	2.13E-03	1.59E-01	2.11E-01
3.00E+00	6.22E-04	2.75E-03	1.30E-01	3.41E-01
4.00E+00	5.09E-04	3.26E-03	7.29E-02	4.14E-01
5.00E+00	4.22E-04	3.68E-03	3.61E-02	4.50E-01
6.00E+00	3.54E-04	4.03E-03	1.71E-02	4.67E-01
7.00E+00	2.99E-04	4.33E-03	8.09E-03	4.75E-01
8.00E+00	2.54E-04	4.58E-03	3.88E-03	4.79E-01
9.00E+00	2.18E-04	4.80E-03	1.93E-03	4.81E-01
1.00E+01	1.87E-04	4.99E-03	1.01E-03	4.82E-01
2.00E+01	5.06E-05	5.93E-03	1.43E-04	4.84E-01
3.00E+01	2.32E-05	6.25E-03	1.36E-04	4.85E-01
4.00E+01	1.75E-05	6.43E-03	1.33E-04	4.86E-01
5.00E+01	1.62E-05	6.60E-03	1.31E-04	4.87E-01
6.00E+01	1.59E-05	6.75E-03	1.29E-04	4.88E-01
7.00E+01	1.57E-05	6.91E-03	1.27E-04	4.89E-01
8.00E+01	1.56E-05	7.06E-03	1.25E-04	4.90E-01
9.00E+01	1.55E-05	7.21E-03	1.23E-04	4.91E-01
1.00E+02	1.55E-05	7.36E-03	1.21E-04	4.91E-01
2.00E+02	1.50E-05	8.83E-03	1.05E-04	5.00E-01
3.00E+02	1.48E-05	1.03E-02	9.14E-05	5.06E-01
4.00E+02	1.46E-05	1.17E-02	7.94E-05	5.11E-01
5.00E+02	1.43E-05	1.30E-02	6.89E-05	5.15E-01
6.00E+02	1.39E-05	1.43E-02	5.99E-05	5.18E-01
7.00E+02	1.35E-05	1.56E-02	5.21E-05	5.21E-01
8.00E+02	1.30E-05	1.68E-02	4.53E-05	5.22E-01
9.00E+02	1.26E-05	1.80E-02	3.94E-05	5.23E-01
1.00E+03	1.21E-05	1.91E-02	3.43E-05	5.23E-01
2.00E+03	7.18E-06	2.71E-02	8.79E-06	5.08E-01
3.00E+03	3.89E-06	3.06E-02	2.45E-06	4.80E-01
4.00E+03	2.07E-06	3.14E-02	7.78E-07	4.51E-01
5.00E+03	1.12E-06	3.09E-02	2.93E-07	4.23E-01
7.00E+03	3.67E-07	2.84E-02	7.00E-08	3.72E-01
8.00E+03	2.29E-07	2.68E-02	4.17E-08	3.48E-01
9.00E+03	1.53E-07	2.53E-02	2.72E-08	3.26E-01
1.00E+04	1.08E-07	2.38E-02	1.91E-08	3.06E-01
2.00E+04	1.42E-08	1.27E-02	0.00E+00	1.59E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	3.69E-03	3.04E-01	2.58E-01	7.30E-02	6.38E-01
2.00E-01	3.51E-03	2.84E-01	2.16E-01	1.33E-01	6.37E-01
3.00E-01	3.37E-03	2.69E-01	1.82E-01	1.81E-01	6.35E-01
4.00E-01	3.26E-03	2.56E-01	1.53E-01	2.20E-01	6.32E-01
5.00E-01	3.18E-03	2.46E-01	1.28E-01	2.51E-01	6.28E-01
6.00E-01	3.12E-03	2.37E-01	1.08E-01	2.74E-01	6.22E-01
7.00E-01	3.08E-03	2.29E-01	9.05E-02	2.91E-01	6.14E-01
8.00E-01	3.04E-03	2.22E-01	7.60E-02	3.03E-01	6.04E-01
9.00E-01	3.02E-03	2.16E-01	6.38E-02	3.09E-01	5.92E-01
1.00E+00	2.99E-03	2.11E-01	5.36E-02	3.12E-01	5.79E-01
2.00E+00	2.92E-03	1.76E-01	9.37E-03	2.27E-01	4.15E-01
3.00E+00	2.90E-03	1.59E-01	1.64E-03	1.21E-01	2.84E-01
4.00E+00	2.87E-03	1.49E-01	2.86E-04	5.79E-02	2.11E-01
5.00E+00	2.85E-03	1.44E-01	4.99E-05	2.69E-02	1.74E-01
6.00E+00	2.83E-03	1.40E-01	8.72E-06	1.25E-02	1.56E-01
7.00E+00	2.81E-03	1.38E-01	1.52E-06	5.93E-03	1.46E-01
8.00E+00	2.79E-03	1.35E-01	2.66E-07	2.89E-03	1.41E-01
9.00E+00	2.77E-03	1.33E-01	4.65E-08	1.48E-03	1.38E-01
1.00E+01	2.75E-03	1.32E-01	0.00E+00	8.18E-04	1.35E-01
2.00E+01	2.54E-03	1.16E-01	0.00E+00	1.86E-04	1.18E-01
3.00E+01	2.35E-03	1.02E-01	0.00E+00	1.63E-04	1.04E-01
4.00E+01	2.17E-03	8.93E-02	0.00E+00	1.43E-04	9.16E-02
5.00E+01	2.00E-03	7.85E-02	0.00E+00	1.25E-04	8.06E-02
6.00E+01	1.84E-03	6.90E-02	0.00E+00	1.10E-04	7.10E-02
7.00E+01	1.69E-03	6.07E-02	0.00E+00	9.59E-05	6.25E-02
8.00E+01	1.56E-03	5.34E-02	0.00E+00	8.40E-05	5.50E-02
9.00E+01	1.43E-03	4.69E-02	0.00E+00	7.36E-05	4.84E-02
1.00E+02	1.31E-03	4.12E-02	0.00E+00	6.45E-05	4.26E-02
2.00E+02	5.28E-04	1.14E-02	0.00E+00	1.72E-05	1.19E-02
3.00E+02	2.01E-04	3.15E-03	0.00E+00	4.57E-06	3.36E-03
4.00E+02	7.37E-05	8.73E-04	0.00E+00	1.22E-06	9.48E-04
5.00E+02	2.62E-05	2.42E-04	0.00E+00	3.24E-07	2.69E-04
6.00E+02	9.14E-06	6.74E-05	0.00E+00	8.63E-08	7.66E-05
7.00E+02	3.13E-06	1.88E-05	0.00E+00	2.30E-08	2.19E-05
8.00E+02	1.06E-06	5.23E-06	0.00E+00	0.00E+00	6.28E-06
9.00E+02	3.53E-07	1.46E-06	0.00E+00	0.00E+00	1.81E-06
1.00E+03	1.17E-07	4.08E-07	0.00E+00	0.00E+00	5.25E-07

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		2.05E-04		1.04E-05
2.00E-01		3.91E-04		2.10E-04
3.00E-01		5.32E-04		1.05E-03
4.00E-01		6.38E-04		3.06E-03
5.00E-01		7.19E-04		6.63E-03
6.00E-01		7.80E-04		1.20E-02
7.00E-01		8.27E-04		1.93E-02
8.00E-01		8.62E-04		2.84E-02
9.00E-01		8.89E-04		3.92E-02
1.00E+00	9.09E-04	9.09E-04	5.15E-02	5.15E-02
2.00E+00	6.67E-05	9.65E-04	1.57E-01	2.08E-01
3.00E+00	9.06E-06	9.63E-04	1.26E-01	3.32E-01
4.00E+00	4.77E-06	9.56E-04	7.02E-02	3.98E-01
5.00E+00	4.26E-06	9.49E-04	3.43E-02	4.28E-01
6.00E+00	4.11E-06	9.42E-04	1.61E-02	4.39E-01
7.00E+00	4.02E-06	9.35E-04	7.48E-03	4.41E-01
8.00E+00	3.96E-06	9.28E-04	3.53E-03	4.39E-01
9.00E+00	3.91E-06	9.21E-04	1.72E-03	4.36E-01
1.00E+01	3.86E-06	9.14E-04	8.75E-04	4.32E-01
2.00E+01	3.44E-06	8.46E-04	1.07E-04	3.85E-01
3.00E+01	3.07E-06	7.82E-04	9.32E-05	3.43E-01
4.00E+01	2.74E-06	7.22E-04	8.17E-05	3.06E-01
5.00E+01	2.44E-06	6.66E-04	7.15E-05	2.72E-01
6.00E+01	2.18E-06	6.13E-04	6.27E-05	2.42E-01
7.00E+01	1.94E-06	5.64E-04	5.49E-05	2.16E-01
8.00E+01	1.73E-06	5.18E-04	4.81E-05	1.92E-01
9.00E+01	1.54E-06	4.76E-04	4.21E-05	1.71E-01
1.00E+02	1.37E-06	4.36E-04	3.69E-05	1.52E-01
2.00E+02	4.29E-07	1.76E-04	9.83E-06	4.77E-02
3.00E+02	1.32E-07	6.70E-05	2.62E-06	1.49E-02
4.00E+02	4.04E-08	2.45E-05	6.97E-07	4.62E-03
5.00E+02	1.22E-08	8.74E-06	1.86E-07	1.43E-03

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	3.90E-03	3.04E-01	2.58E-01	7.30E-02	6.39E-01
2.00E-01	3.95E-03	2.85E-01	2.17E-01	1.33E-01	6.39E-01
3.00E-01	4.02E-03	2.70E-01	1.82E-01	1.82E-01	6.38E-01
4.00E-01	4.10E-03	2.57E-01	1.53E-01	2.21E-01	6.36E-01
5.00E-01	4.16E-03	2.47E-01	1.29E-01	2.52E-01	6.32E-01
6.00E-01	4.22E-03	2.38E-01	1.08E-01	2.76E-01	6.27E-01
7.00E-01	4.27E-03	2.31E-01	9.12E-02	2.93E-01	6.20E-01
8.00E-01	4.32E-03	2.24E-01	7.67E-02	3.05E-01	6.10E-01
9.00E-01	4.35E-03	2.19E-01	6.45E-02	3.12E-01	5.99E-01
1.00E+00	4.37E-03	2.13E-01	5.42E-02	3.15E-01	5.87E-01
2.00E+00	4.40E-03	1.80E-01	9.59E-03	2.32E-01	4.26E-01
3.00E+00	4.29E-03	1.65E-01	1.70E-03	1.25E-01	2.95E-01
4.00E+00	4.15E-03	1.57E-01	3.00E-04	6.06E-02	2.22E-01
5.00E+00	4.02E-03	1.53E-01	5.30E-05	2.85E-02	1.85E-01
6.00E+00	3.90E-03	1.51E-01	9.37E-06	1.34E-02	1.68E-01
7.00E+00	3.78E-03	1.49E-01	1.66E-06	6.42E-03	1.60E-01
8.00E+00	3.68E-03	1.49E-01	2.93E-07	3.17E-03	1.56E-01
9.00E+00	3.59E-03	1.48E-01	5.17E-08	1.64E-03	1.54E-01
1.00E+01	3.50E-03	1.48E-01	0.00E+00	9.19E-04	1.53E-01
2.00E+01	3.03E-03	1.46E-01	0.00E+00	2.36E-04	1.50E-01
3.00E+01	2.91E-03	1.45E-01	0.00E+00	2.32E-04	1.48E-01
4.00E+01	2.92E-03	1.43E-01	0.00E+00	2.29E-04	1.47E-01
5.00E+01	2.97E-03	1.42E-01	0.00E+00	2.26E-04	1.45E-01
6.00E+01	3.05E-03	1.41E-01	0.00E+00	2.23E-04	1.44E-01
7.00E+01	3.14E-03	1.39E-01	0.00E+00	2.19E-04	1.42E-01
8.00E+01	3.22E-03	1.38E-01	0.00E+00	2.16E-04	1.41E-01
9.00E+01	3.31E-03	1.36E-01	0.00E+00	2.13E-04	1.40E-01
1.00E+02	3.40E-03	1.35E-01	0.00E+00	2.11E-04	1.38E-01
2.00E+02	4.29E-03	1.22E-01	0.00E+00	1.83E-04	1.26E-01
3.00E+02	5.18E-03	1.10E-01	0.00E+00	1.60E-04	1.16E-01
4.00E+02	6.06E-03	9.98E-02	0.00E+00	1.39E-04	1.06E-01
5.00E+02	6.93E-03	9.06E-02	0.00E+00	1.21E-04	9.76E-02
6.00E+02	7.78E-03	8.23E-02	0.00E+00	1.05E-04	9.02E-02
7.00E+02	8.61E-03	7.49E-02	0.00E+00	9.16E-05	8.36E-02
8.00E+02	9.40E-03	6.83E-02	0.00E+00	7.98E-05	7.78E-02
9.00E+02	1.02E-02	6.23E-02	0.00E+00	6.94E-05	7.26E-02
1.00E+03	1.09E-02	5.70E-02	0.00E+00	6.05E-05	6.79E-02
2.00E+03	1.61E-02	2.55E-02	0.00E+00	1.51E-05	4.16E-02
3.00E+03	1.83E-02	1.34E-02	0.00E+00	3.78E-06	3.17E-02
4.00E+03	1.86E-02	8.25E-03	0.00E+00	9.45E-07	2.69E-02
5.00E+03	1.81E-02	5.92E-03	0.00E+00	2.36E-07	2.40E-02
7.00E+03	1.59E-02	4.27E-03	0.00E+00	1.48E-08	2.02E-02
8.00E+03	1.47E-02	4.00E-03	0.00E+00	0.00E+00	1.87E-02
9.00E+03	1.35E-02	3.87E-03	0.00E+00	0.00E+00	1.74E-02
1.00E+04	1.24E-02	3.80E-03	0.00E+00	0.00E+00	1.62E-02
2.00E+04	5.25E-03	3.74E-03	0.00E+00	0.00E+00	8.99E-03

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		1.65E-05		1.04E-05
2.00E-01		3.58E-05		2.10E-04
3.00E-01		5.53E-05		1.06E-03
4.00E-01		7.51E-05		3.07E-03
5.00E-01		9.52E-05		6.66E-03
6.00E-01		1.15E-04		1.21E-02
7.00E-01		1.36E-04		1.94E-02
8.00E-01		1.56E-04		2.86E-02
9.00E-01		1.77E-04		3.95E-02
1.00E+00	1.98E-04	1.98E-04	5.20E-02	5.20E-02
2.00E+00	2.04E-04	4.02E-04	1.60E-01	2.13E-01
3.00E+00	1.91E-04	5.92E-04	1.31E-01	3.43E-01
4.00E+00	1.76E-04	7.68E-04	7.35E-02	4.17E-01
5.00E+00	1.61E-04	9.29E-04	3.63E-02	4.53E-01
6.00E+00	1.47E-04	1.08E-03	1.72E-02	4.70E-01
7.00E+00	1.34E-04	1.21E-03	8.11E-03	4.78E-01
8.00E+00	1.22E-04	1.33E-03	3.88E-03	4.82E-01
9.00E+00	1.11E-04	1.44E-03	1.91E-03	4.84E-01
1.00E+01	1.02E-04	1.54E-03	9.83E-04	4.85E-01
2.00E+01	4.35E-05	2.20E-03	1.35E-04	4.87E-01
3.00E+01	2.19E-05	2.49E-03	1.33E-04	4.89E-01
4.00E+01	1.39E-05	2.66E-03	1.31E-04	4.90E-01
5.00E+01	1.09E-05	2.78E-03	1.29E-04	4.91E-01
7.00E+01	9.49E-06	2.98E-03	1.26E-04	4.94E-01
8.00E+01	9.37E-06	3.08E-03	1.24E-04	4.95E-01
9.00E+01	9.35E-06	3.17E-03	1.22E-04	4.96E-01
1.00E+02	9.36E-06	3.26E-03	1.20E-04	4.97E-01
2.00E+02	9.62E-06	4.21E-03	1.05E-04	5.09E-01
3.00E+02	9.78E-06	5.18E-03	9.13E-05	5.18E-01
4.00E+02	9.84E-06	6.17E-03	7.95E-05	5.27E-01
5.00E+02	9.82E-06	7.15E-03	6.92E-05	5.34E-01
7.00E+02	9.60E-06	9.10E-03	5.24E-05	5.46E-01
8.00E+02	9.43E-06	1.00E-02	4.56E-05	5.51E-01
9.00E+02	9.22E-06	1.10E-02	3.97E-05	5.56E-01
1.00E+03	8.99E-06	1.19E-02	3.46E-05	5.59E-01
2.00E+03	6.34E-06	1.96E-02	8.65E-06	5.78E-01
3.00E+03	4.29E-06	2.48E-02	2.16E-06	5.83E-01
4.00E+03	3.02E-06	2.84E-02	5.40E-07	5.84E-01
5.00E+03	2.28E-06	3.10E-02	1.35E-07	5.84E-01
7.00E+03	1.56E-06	3.47E-02	0.00E+00	5.84E-01
8.00E+03	1.36E-06	3.62E-02	0.00E+00	5.84E-01
9.00E+03	1.22E-06	3.75E-02	0.00E+00	5.84E-01
1.00E+04	1.10E-06	3.87E-02	0.00E+00	5.84E-01
2.00E+04	4.55E-07	4.59E-02	0.00E+00	5.84E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	3.97E-03	3.04E-01	2.58E-01	7.30E-02	6.39E-01
2.00E-01	4.28E-03	2.85E-01	2.17E-01	1.33E-01	6.39E-01
3.00E-01	4.70E-03	2.70E-01	1.82E-01	1.81E-01	6.38E-01
4.00E-01	5.13E-03	2.57E-01	1.53E-01	2.20E-01	6.36E-01
5.00E-01	5.54E-03	2.47E-01	1.29E-01	2.51E-01	6.32E-01
6.00E-01	5.90E-03	2.38E-01	1.08E-01	2.74E-01	6.27E-01
7.00E-01	6.21E-03	2.31E-01	9.12E-02	2.91E-01	6.20E-01
8.00E-01	6.47E-03	2.24E-01	7.67E-02	3.03E-01	6.10E-01
9.00E-01	6.70E-03	2.19E-01	6.45E-02	3.10E-01	6.00E-01
1.00E+00	6.88E-03	2.13E-01	5.42E-02	3.13E-01	5.87E-01
2.00E+00	7.56E-03	1.80E-01	9.59E-03	2.30E-01	4.27E-01
3.00E+00	7.48E-03	1.65E-01	1.70E-03	1.24E-01	2.97E-01
4.00E+00	7.24E-03	1.57E-01	3.00E-04	6.00E-02	2.24E-01
5.00E+00	6.97E-03	1.53E-01	5.30E-05	2.83E-02	1.88E-01
6.00E+00	6.71E-03	1.51E-01	9.37E-06	1.33E-02	1.71E-01
7.00E+00	6.46E-03	1.49E-01	1.66E-06	6.37E-03	1.62E-01
8.00E+00	6.24E-03	1.49E-01	2.93E-07	3.14E-03	1.58E-01
9.00E+00	6.04E-03	1.48E-01	5.17E-08	1.63E-03	1.56E-01
1.00E+01	5.85E-03	1.48E-01	0.00E+00	9.11E-04	1.55E-01
2.00E+01	4.81E-03	1.46E-01	0.00E+00	2.34E-04	1.51E-01
3.00E+01	4.44E-03	1.45E-01	0.00E+00	2.30E-04	1.50E-01
4.00E+01	4.29E-03	1.43E-01	0.00E+00	2.27E-04	1.48E-01
5.00E+01	4.21E-03	1.42E-01	0.00E+00	2.24E-04	1.46E-01
6.00E+01	4.16E-03	1.41E-01	0.00E+00	2.21E-04	1.45E-01
7.00E+01	4.11E-03	1.39E-01	0.00E+00	2.18E-04	1.43E-01
8.00E+01	4.07E-03	1.38E-01	0.00E+00	2.15E-04	1.42E-01
9.00E+01	4.02E-03	1.36E-01	0.00E+00	2.12E-04	1.40E-01
1.00E+02	3.98E-03	1.35E-01	0.00E+00	2.09E-04	1.39E-01
2.00E+02	3.66E-03	1.22E-01	0.00E+00	1.82E-04	1.26E-01
3.00E+02	3.43E-03	1.10E-01	0.00E+00	1.58E-04	1.14E-01
4.00E+02	3.27E-03	9.98E-02	0.00E+00	1.38E-04	1.03E-01
5.00E+02	3.14E-03	9.06E-02	0.00E+00	1.20E-04	9.38E-02
6.00E+02	3.03E-03	8.23E-02	0.00E+00	1.04E-04	8.54E-02
7.00E+02	2.94E-03	7.49E-02	0.00E+00	9.09E-05	7.79E-02
8.00E+02	2.85E-03	6.83E-02	0.00E+00	7.91E-05	7.12E-02
9.00E+02	2.76E-03	6.23E-02	0.00E+00	6.89E-05	6.52E-02
1.00E+03	2.67E-03	5.70E-02	0.00E+00	6.00E-05	5.97E-02
2.00E+03	1.72E-03	2.55E-02	0.00E+00	1.50E-05	2.72E-02
3.00E+03	9.68E-04	1.34E-02	0.00E+00	3.75E-06	1.43E-02
4.00E+03	5.11E-04	8.25E-03	0.00E+00	9.37E-07	8.76E-03
5.00E+03	2.62E-04	5.92E-03	0.00E+00	2.34E-07	6.18E-03
6.00E+03	1.33E-04	4.81E-03	0.00E+00	5.86E-08	4.94E-03
7.00E+03	6.68E-05	4.27E-03	0.00E+00	1.46E-08	4.33E-03
8.00E+03	3.35E-05	4.00E-03	0.00E+00	0.00E+00	4.03E-03
9.00E+03	1.68E-05	3.87E-03	0.00E+00	0.00E+00	3.89E-03
1.00E+04	8.39E-06	3.80E-03	0.00E+00	0.00E+00	3.81E-03

CLASS Y

AMAD = 1 MICRON

STABLE

NIOBIUM 93

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		2.00E-05		1.04E-05
2.00E-01		4.44E-05		2.10E-04
3.00E-01		7.09E-05		1.05E-03
4.00E-01		9.98E-05		3.06E-03
5.00E-01		1.31E-04		6.64E-03
6.00E-01		1.64E-04		1.20E-02
7.00E-01		2.00E-04		1.93E-02
8.00E-01		2.36E-04		2.85E-02
9.00E-01		2.74E-04		3.93E-02
1.00E+00	3.13E-04	3.13E-04	5.17E-02	5.17E-02
2.00E+00	4.11E-04	7.25E-04	1.59E-01	2.11E-01
3.00E+00	4.02E-04	1.13E-03	1.30E-01	3.41E-01
4.00E+00	3.71E-04	1.50E-03	7.28E-02	4.13E-01
5.00E+00	3.37E-04	1.83E-03	3.60E-02	4.49E-01
6.00E+00	3.05E-04	2.14E-03	1.71E-02	4.66E-01
7.00E+00	2.75E-04	2.41E-03	8.04E-03	4.74E-01
8.00E+00	2.48E-04	2.66E-03	3.84E-03	4.78E-01
9.00E+00	2.24E-04	2.89E-03	1.89E-03	4.80E-01
1.00E+01	2.02E-04	3.09E-03	9.75E-04	4.81E-01
2.00E+01	7.99E-05	4.32E-03	1.34E-04	4.83E-01
3.00E+01	4.15E-05	4.88E-03	1.32E-04	4.85E-01
4.00E+01	2.94E-05	5.21E-03	1.30E-04	4.86E-01
5.00E+01	2.55E-05	5.48E-03	1.28E-04	4.87E-01
6.00E+01	2.41E-05	5.73E-03	1.26E-04	4.88E-01
7.00E+01	2.36E-05	5.97E-03	1.25E-04	4.90E-01
8.00E+01	2.34E-05	6.20E-03	1.23E-04	4.91E-01
9.00E+01	2.32E-05	6.43E-03	1.21E-04	4.92E-01
1.00E+02	2.31E-05	6.67E-03	1.19E-04	4.93E-01
2.00E+02	2.21E-05	8.92E-03	1.04E-04	5.05E-01
3.00E+02	2.13E-05	1.11E-02	9.06E-05	5.14E-01
4.00E+02	2.07E-05	1.32E-02	7.88E-05	5.23E-01
5.00E+02	2.01E-05	1.52E-02	6.86E-05	5.30E-01
7.00E+02	1.90E-05	1.91E-02	5.20E-05	5.42E-01
8.00E+02	1.84E-05	2.10E-02	4.53E-05	5.47E-01
9.00E+02	1.78E-05	2.28E-02	3.94E-05	5.51E-01
1.00E+03	1.72E-05	2.46E-02	3.43E-05	5.55E-01
2.00E+03	1.08E-05	3.86E-02	8.58E-06	5.73E-01
3.00E+03	5.99E-06	4.68E-02	2.14E-06	5.78E-01
4.00E+03	3.14E-06	5.12E-02	5.36E-07	5.79E-01
5.00E+03	1.61E-06	5.35E-02	1.34E-07	5.79E-01
7.00E+03	4.09E-07	5.53E-02	0.00E+00	5.80E-01
8.00E+03	2.05E-07	5.56E-02	0.00E+00	5.80E-01
9.00E+03	1.03E-07	5.57E-02	0.00E+00	5.80E-01
1.00E+04	5.13E-08	5.58E-02	0.00E+00	5.80E-01

CLASS Y

AMAD = 1 MICRON

HALFLIFE= 3.52E+01 DAYS

NIOBIUM 95

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	3.96E-03	3.04E-01	2.58E-01	7.28E-02	6.38E-01
2.00E-01	4.26E-03	2.84E-01	2.16E-01	1.32E-01	6.36E-01
3.00E-01	4.67E-03	2.68E-01	1.81E-01	1.80E-01	6.34E-01
4.00E-01	5.09E-03	2.55E-01	1.52E-01	2.18E-01	6.31E-01
5.00E-01	5.48E-03	2.45E-01	1.28E-01	2.48E-01	6.26E-01
6.00E-01	5.83E-03	2.36E-01	1.07E-01	2.71E-01	6.20E-01
7.00E-01	6.13E-03	2.28E-01	9.00E-02	2.87E-01	6.11E-01
8.00E-01	6.37E-03	2.21E-01	7.55E-02	2.98E-01	6.01E-01
9.00E-01	6.58E-03	2.15E-01	6.34E-02	3.04E-01	5.89E-01
1.00E+00	6.74E-03	2.09E-01	5.32E-02	3.06E-01	5.76E-01
2.00E+00	7.27E-03	1.73E-01	9.22E-03	2.21E-01	4.11E-01
3.00E+00	7.05E-03	1.55E-01	1.60E-03	1.17E-01	2.80E-01
4.00E+00	6.69E-03	1.45E-01	2.77E-04	5.55E-02	2.07E-01
5.00E+00	6.31E-03	1.38E-01	4.80E-05	2.56E-02	1.70E-01
6.00E+00	5.96E-03	1.34E-01	8.32E-06	1.18E-02	1.52E-01
7.00E+00	5.63E-03	1.30E-01	1.44E-06	5.55E-03	1.41E-01
8.00E+00	5.33E-03	1.27E-01	2.50E-07	2.68E-03	1.35E-01
9.00E+00	5.05E-03	1.24E-01	4.33E-08	1.36E-03	1.31E-01
1.00E+01	4.81E-03	1.22E-01	0.00E+00	7.48E-04	1.27E-01
2.00E+01	3.24E-03	9.87E-02	0.00E+00	1.58E-04	1.02E-01
3.00E+01	2.46E-03	8.02E-02	0.00E+00	1.27E-04	8.28E-02
4.00E+01	1.95E-03	6.52E-02	0.00E+00	1.03E-04	6.72E-02
5.00E+01	1.57E-03	5.30E-02	0.00E+00	8.35E-05	5.46E-02
6.00E+01	1.27E-03	4.30E-02	0.00E+00	6.76E-05	4.44E-02
7.00E+01	1.03E-03	3.50E-02	0.00E+00	5.48E-05	3.61E-02
8.00E+01	8.39E-04	2.84E-02	0.00E+00	4.43E-05	2.93E-02
9.00E+01	6.82E-04	2.31E-02	0.00E+00	3.59E-05	2.38E-02
1.00E+02	5.54E-04	1.88E-02	0.00E+00	2.91E-05	1.94E-02
2.00E+02	7.08E-05	2.36E-03	0.00E+00	3.52E-06	2.43E-03
3.00E+02	9.25E-06	2.97E-04	0.00E+00	4.27E-07	3.07E-04
4.00E+02	1.23E-06	3.75E-05	0.00E+00	5.17E-08	3.87E-05
5.00E+02	1.64E-07	4.73E-06	0.00E+00	0.00E+00	4.89E-06
6.00E+02	2.21E-08	5.98E-07	0.00E+00	0.00E+00	6.20E-07

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		2.00E-05		1.04E-05
2.00E-01		4.42E-05		2.09E-04
3.00E-01		7.05E-05		1.05E-03
4.00E-01		9.90E-05		3.04E-03
5.00E-01		1.30E-04		6.57E-03
6.00E-01		1.63E-04		1.19E-02
7.00E-01		1.97E-04		1.91E-02
8.00E-01		2.33E-04		2.80E-02
9.00E-01		2.70E-04		3.86E-02
1.00E+00	3.07E-04	3.07E-04	5.07E-02	5.07E-02
2.00E+00	3.95E-04	6.97E-04	1.53E-01	2.03E-01
3.00E+00	3.79E-04	1.06E-03	1.22E-01	3.21E-01
4.00E+00	3.43E-04	1.38E-03	6.73E-02	3.82E-01
5.00E+00	3.06E-04	1.66E-03	3.26E-02	4.07E-01
6.00E+00	2.71E-04	1.90E-03	1.52E-02	4.14E-01
7.00E+00	2.40E-04	2.10E-03	7.00E-03	4.13E-01
8.00E+00	2.12E-04	2.27E-03	3.28E-03	4.08E-01
9.00E+00	1.87E-04	2.42E-03	1.58E-03	4.02E-01
1.00E+01	1.66E-04	2.54E-03	8.00E-04	3.95E-01
2.00E+01	5.39E-05	2.91E-03	9.05E-05	3.26E-01
3.00E+01	2.30E-05	2.70E-03	7.29E-05	2.68E-01
4.00E+01	1.33E-05	2.37E-03	5.90E-05	2.21E-01
5.00E+01	9.50E-06	2.05E-03	4.78E-05	1.82E-01
6.00E+01	7.40E-06	1.75E-03	3.87E-05	1.50E-01
7.00E+01	5.95E-06	1.50E-03	3.13E-05	1.23E-01
8.00E+01	4.83E-06	1.28E-03	2.54E-05	1.01E-01
9.00E+01	3.94E-06	1.09E-03	2.05E-05	8.34E-02
1.00E+02	3.22E-06	9.28E-04	1.66E-05	6.87E-02
2.00E+02	4.28E-07	1.73E-04	2.02E-06	9.77E-03
3.00E+02	5.75E-08	2.99E-05	2.44E-07	1.39E-03

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	4.36E-03	3.04E-01	2.58E-01	7.26E-02	6.39E-01
2.00E-01	6.00E-03	2.85E-01	2.17E-01	1.31E-01	6.39E-01
3.00E-01	8.20E-03	2.70E-01	1.82E-01	1.77E-01	6.38E-01
4.00E-01	1.05E-02	2.57E-01	1.53E-01	2.15E-01	6.36E-01
5.00E-01	1.26E-02	2.47E-01	1.29E-01	2.44E-01	6.32E-01
6.00E-01	1.44E-02	2.38E-01	1.08E-01	2.66E-01	6.27E-01
7.00E-01	1.61E-02	2.31E-01	9.12E-02	2.82E-01	6.20E-01
8.00E-01	1.74E-02	2.24E-01	7.67E-02	2.92E-01	6.11E-01
9.00E-01	1.86E-02	2.19E-01	6.45E-02	2.98E-01	6.00E-01
1.00E+00	1.96E-02	2.13E-01	5.42E-02	3.01E-01	5.88E-01
2.00E+00	2.37E-02	1.80E-01	9.59E-03	2.20E-01	4.34E-01
3.00E+00	2.44E-02	1.65E-01	1.70E-03	1.18E-01	3.09E-01
4.00E+00	2.43E-02	1.57E-01	3.00E-04	5.73E-02	2.39E-01
5.00E+00	2.40E-02	1.53E-01	5.30E-05	2.70E-02	2.04E-01
6.00E+00	2.37E-02	1.51E-01	9.37E-06	1.27E-02	1.87E-01
7.00E+00	2.34E-02	1.49E-01	1.66E-06	6.08E-03	1.79E-01
8.00E+00	2.31E-02	1.49E-01	2.93E-07	3.00E-03	1.75E-01
9.00E+00	2.28E-02	1.48E-01	5.17E-08	1.56E-03	1.73E-01
1.00E+01	2.25E-02	1.48E-01	0.00E+00	8.71E-04	1.72E-01
2.00E+01	1.98E-02	1.46E-01	0.00E+00	2.25E-04	1.67E-01
3.00E+01	1.75E-02	1.45E-01	0.00E+00	2.21E-04	1.63E-01
4.00E+01	1.54E-02	1.43E-01	0.00E+00	2.18E-04	1.59E-01
5.00E+01	1.36E-02	1.42E-01	0.00E+00	2.15E-04	1.56E-01
6.00E+01	1.21E-02	1.41E-01	0.00E+00	2.12E-04	1.53E-01
7.00E+01	1.07E-02	1.39E-01	0.00E+00	2.09E-04	1.50E-01
8.00E+01	9.52E-03	1.38E-01	0.00E+00	2.06E-04	1.47E-01
9.00E+01	8.49E-03	1.36E-01	0.00E+00	2.03E-04	1.45E-01
1.00E+02	7.59E-03	1.35E-01	0.00E+00	2.01E-04	1.43E-01
2.00E+02	3.06E-03	1.22E-01	0.00E+00	1.75E-04	1.25E-01
3.00E+02	1.90E-03	1.10E-01	0.00E+00	1.52E-04	1.12E-01
4.00E+02	1.58E-03	9.98E-02	0.00E+00	1.32E-04	1.02E-01
5.00E+02	1.47E-03	9.06E-02	0.00E+00	1.15E-04	9.22E-02
6.00E+02	1.41E-03	8.23E-02	0.00E+00	1.00E-04	8.38E-02
7.00E+02	1.35E-03	7.49E-02	0.00E+00	8.73E-05	7.63E-02
8.00E+02	1.30E-03	6.83E-02	0.00E+00	7.60E-05	6.97E-02
9.00E+02	1.25E-03	6.23E-02	0.00E+00	6.62E-05	6.36E-02
1.00E+03	1.19E-03	5.70E-02	0.00E+00	5.76E-05	5.83E-02
2.00E+03	6.97E-04	2.55E-02	0.00E+00	1.44E-05	2.62E-02
3.00E+03	3.74E-04	1.34E-02	0.00E+00	3.60E-06	1.38E-02
4.00E+03	1.93E-04	8.25E-03	0.00E+00	9.00E-07	8.44E-03
5.00E+03	9.82E-05	5.92E-03	0.00E+00	2.25E-07	6.01E-03
6.00E+03	4.95E-05	4.81E-03	0.00E+00	5.63E-08	4.86E-03
7.00E+03	2.49E-05	4.27E-03	0.00E+00	1.41E-08	4.29E-03
8.00E+03	1.25E-05	4.00E-03	0.00E+00	0.00E+00	4.01E-03
9.00E+03	6.23E-06	3.87E-03	0.00E+00	0.00E+00	3.88E-03
1.00E+04	3.12E-06	3.80E-03	0.00E+00	0.00E+00	3.81E-03

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		2.78E-05		1.04E-05
2.00E-01		6.72E-05		2.08E-04
3.00E-01		1.20E-04		1.04E-03
4.00E-01		1.89E-04		3.02E-03
5.00E-01		2.72E-04		6.52E-03
6.00E-01		3.67E-04		1.18E-02
7.00E-01		4.71E-04		1.89E-02
8.00E-01		5.82E-04		2.78E-02
9.00E-01		6.99E-04		3.83E-02
1.00E+00	8.18E-04	8.18E-04	5.03E-02	5.03E-02
2.00E+00	1.15E-03	1.97E-03	1.53E-01	2.04E-01
3.00E+00	8.93E-04	2.87E-03	1.24E-01	3.27E-01
4.00E+00	6.61E-04	3.53E-03	6.95E-02	3.97E-01
5.00E+00	5.15E-04	4.04E-03	3.44E-02	4.31E-01
6.00E+00	4.31E-04	4.47E-03	1.63E-02	4.48E-01
7.00E+00	3.82E-04	4.85E-03	7.67E-03	4.55E-01
8.00E+00	3.53E-04	5.21E-03	3.66E-03	4.59E-01
9.00E+00	3.36E-04	5.54E-03	1.80E-03	4.61E-01
1.00E+01	3.25E-04	5.87E-03	9.31E-04	4.62E-01
2.00E+01	2.79E-04	8.83E-03	1.29E-04	4.64E-01
3.00E+01	2.46E-04	1.14E-02	1.26E-04	4.65E-01
4.00E+01	2.17E-04	1.37E-02	1.25E-04	4.66E-01
5.00E+01	1.92E-04	1.58E-02	1.23E-04	4.68E-01
6.00E+01	1.71E-04	1.76E-02	1.21E-04	4.69E-01
7.00E+01	1.52E-04	1.92E-02	1.20E-04	4.70E-01
8.00E+01	1.35E-04	2.06E-02	1.18E-04	4.71E-01
9.00E+01	1.21E-04	2.19E-02	1.16E-04	4.72E-01
1.00E+02	1.08E-04	2.30E-02	1.15E-04	4.73E-01
2.00E+02	4.48E-05	2.99E-02	9.98E-05	4.84E-01
3.00E+02	2.86E-05	3.34E-02	8.69E-05	4.93E-01
4.00E+02	2.41E-05	3.60E-02	7.56E-05	5.02E-01
5.00E+02	2.25E-05	3.83E-02	6.59E-05	5.09E-01
7.00E+02	2.07E-05	4.26E-02	4.99E-05	5.20E-01
8.00E+02	1.99E-05	4.47E-02	4.34E-05	5.25E-01
9.00E+02	1.91E-05	4.66E-02	3.78E-05	5.29E-01
1.00E+03	1.83E-05	4.85E-02	3.29E-05	5.32E-01
2.00E+03	1.07E-05	6.28E-02	8.23E-06	5.50E-01
3.00E+03	5.72E-06	7.07E-02	2.06E-06	5.55E-01
4.00E+03	2.96E-06	7.49E-02	5.14E-07	5.56E-01
5.00E+03	1.50E-06	7.71E-02	1.29E-07	5.56E-01
7.00E+03	3.80E-07	7.87E-02	0.00E+00	5.56E-01
8.00E+03	1.90E-07	7.90E-02	0.00E+00	5.56E-01
9.00E+03	9.53E-08	7.91E-02	0.00E+00	5.56E-01
1.00E+04	4.77E-08	7.92E-02	0.00E+00	5.56E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	4.27E-03	3.04E-01	2.58E-01	7.26E-02	6.39E-01
2.00E-01	5.79E-03	2.85E-01	2.17E-01	1.31E-01	6.39E-01
3.00E-01	7.84E-03	2.70E-01	1.82E-01	1.77E-01	6.38E-01
4.00E-01	9.93E-03	2.57E-01	1.53E-01	2.15E-01	6.35E-01
5.00E-01	1.18E-02	2.47E-01	1.29E-01	2.44E-01	6.32E-01
6.00E-01	1.35E-02	2.38E-01	1.08E-01	2.66E-01	6.26E-01
7.00E-01	1.49E-02	2.31E-01	9.12E-02	2.82E-01	6.19E-01
8.00E-01	1.61E-02	2.24E-01	7.67E-02	2.92E-01	6.09E-01
9.00E-01	1.71E-02	2.19E-01	6.45E-02	2.98E-01	5.99E-01
1.00E+00	1.79E-02	2.13E-01	5.42E-02	3.01E-01	5.86E-01
2.00E+00	2.10E-02	1.80E-01	9.59E-03	2.20E-01	4.31E-01
3.00E+00	2.12E-02	1.65E-01	1.70E-03	1.18E-01	3.06E-01
4.00E+00	2.08E-02	1.57E-01	3.00E-04	5.73E-02	2.35E-01
5.00E+00	2.02E-02	1.53E-01	5.30E-05	2.70E-02	2.00E-01
6.00E+00	1.96E-02	1.51E-01	9.37E-06	1.27E-02	1.83E-01
7.00E+00	1.90E-02	1.49E-01	1.66E-06	6.08E-03	1.74E-01
8.00E+00	1.84E-02	1.49E-01	2.93E-07	3.00E-03	1.70E-01
9.00E+00	1.78E-02	1.48E-01	5.17E-08	1.56E-03	1.68E-01
1.00E+01	1.73E-02	1.48E-01	0.00E+00	8.71E-04	1.66E-01
2.00E+01	1.35E-02	1.46E-01	0.00E+00	2.25E-04	1.60E-01
3.00E+01	1.15E-02	1.45E-01	0.00E+00	2.21E-04	1.57E-01
4.00E+01	1.02E-02	1.43E-01	0.00E+00	2.18E-04	1.54E-01
5.00E+01	9.35E-03	1.42E-01	0.00E+00	2.15E-04	1.52E-01
6.00E+01	8.73E-03	1.41E-01	0.00E+00	2.12E-04	1.49E-01
7.00E+01	8.25E-03	1.39E-01	0.00E+00	2.09E-04	1.48E-01
8.00E+01	7.87E-03	1.38E-01	0.00E+00	2.06E-04	1.46E-01
9.00E+01	7.57E-03	1.36E-01	0.00E+00	2.03E-04	1.44E-01
1.00E+02	7.33E-03	1.35E-01	0.00E+00	2.01E-04	1.42E-01
2.00E+02	6.42E-03	1.22E-01	0.00E+00	1.75E-04	1.28E-01
3.00E+02	6.34E-03	1.10E-01	0.00E+00	1.52E-04	1.17E-01
4.00E+02	6.35E-03	9.98E-02	0.00E+00	1.32E-04	1.06E-01
5.00E+02	6.37E-03	9.06E-02	0.00E+00	1.15E-04	9.70E-02
6.00E+02	6.37E-03	8.23E-02	0.00E+00	1.00E-04	8.88E-02
7.00E+02	6.35E-03	7.49E-02	0.00E+00	8.73E-05	8.13E-02
8.00E+02	6.32E-03	6.83E-02	0.00E+00	7.60E-05	7.47E-02
9.00E+02	6.27E-03	6.23E-02	0.00E+00	6.62E-05	6.87E-02
1.00E+03	6.21E-03	5.70E-02	0.00E+00	5.76E-05	6.33E-02
2.00E+03	5.06E-03	2.55E-02	0.00E+00	1.44E-05	3.05E-02
3.00E+03	3.60E-03	1.34E-02	0.00E+00	3.60E-06	1.70E-02
4.00E+03	2.36E-03	8.25E-03	0.00E+00	9.00E-07	1.06E-02
5.00E+03	1.47E-03	5.92E-03	0.00E+00	2.25E-07	7.38E-03
7.00E+03	5.11E-04	4.27E-03	0.00E+00	1.41E-08	4.78E-03
8.00E+03	2.92E-04	4.00E-03	0.00E+00	0.00E+00	4.29E-03
9.00E+03	1.64E-04	3.87E-03	0.00E+00	0.00E+00	4.03E-03
1.00E+04	9.12E-05	3.80E-03	0.00E+00	0.00E+00	3.89E-03
2.00E+04	1.78E-07	3.74E-03	0.00E+00	0.00E+00	3.74E-03

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		1.22E-04		1.04E-05
2.00E-01		2.79E-04		2.08E-04
3.00E-01		4.76E-04		1.04E-03
4.00E-01		7.19E-04		3.02E-03
5.00E-01		9.97E-04		6.52E-03
6.00E-01		1.30E-03		1.18E-02
7.00E-01		1.61E-03		1.89E-02
8.00E-01		1.92E-03		2.78E-02
9.00E-01		2.23E-03		3.83E-02
1.00E+00	2.53E-03	2.53E-03	5.03E-02	5.03E-02
2.00E+00	2.22E-03	4.75E-03	1.53E-01	2.04E-01
3.00E+00	1.30E-03	6.05E-03	1.24E-01	3.27E-01
4.00E+00	9.71E-04	7.03E-03	6.95E-02	3.97E-01
5.00E+00	8.36E-04	7.86E-03	3.44E-02	4.31E-01
6.00E+00	7.56E-04	8.62E-03	1.63E-02	4.48E-01
7.00E+00	6.96E-04	9.31E-03	7.67E-03	4.55E-01
8.00E+00	6.45E-04	9.96E-03	3.66E-03	4.59E-01
9.00E+00	6.01E-04	1.06E-02	1.80E-03	4.61E-01
1.00E+01	5.61E-04	1.11E-02	9.31E-04	4.62E-01
2.00E+01	3.03E-04	1.51E-02	1.29E-04	4.64E-01
3.00E+01	1.85E-04	1.74E-02	1.26E-04	4.65E-01
4.00E+01	1.28E-04	1.89E-02	1.25E-04	4.66E-01
5.00E+01	9.70E-05	2.00E-02	1.23E-04	4.68E-01
6.00E+01	7.87E-05	2.09E-02	1.21E-04	4.69E-01
7.00E+01	6.66E-05	2.16E-02	1.20E-04	4.70E-01
8.00E+01	5.79E-05	2.22E-02	1.18E-04	4.71E-01
9.00E+01	5.13E-05	2.28E-02	1.16E-04	4.72E-01
1.00E+02	4.61E-05	2.33E-02	1.15E-04	4.73E-01
2.00E+02	2.61E-05	2.66E-02	9.98E-05	4.84E-01
3.00E+02	2.31E-05	2.90E-02	8.69E-05	4.93E-01
4.00E+02	2.22E-05	3.12E-02	7.56E-05	5.02E-01
5.00E+02	2.17E-05	3.34E-02	6.59E-05	5.09E-01
7.00E+02	2.04E-05	3.76E-02	4.99E-05	5.20E-01
8.00E+02	1.98E-05	3.96E-02	4.34E-05	5.25E-01
9.00E+02	1.91E-05	4.16E-02	3.78E-05	5.29E-01
1.00E+03	1.84E-05	4.35E-02	3.29E-05	5.32E-01
2.00E+03	1.17E-05	5.84E-02	8.23E-06	5.50E-01
3.00E+03	6.88E-06	6.75E-02	2.06E-06	5.55E-01
4.00E+03	3.90E-06	7.28E-02	5.14E-07	5.56E-01
5.00E+03	2.16E-06	7.57E-02	1.29E-07	5.56E-01
7.00E+03	6.45E-07	7.82E-02	0.00E+00	5.56E-01
8.00E+03	3.48E-07	7.87E-02	0.00E+00	5.56E-01
9.00E+03	1.87E-07	7.90E-02	0.00E+00	5.56E-01
1.00E+04	9.97E-08	7.91E-02	0.00E+00	5.56E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	4.27E-03	3.04E-01	2.58E-01	7.26E-02	6.39E-01
2.00E-01	5.79E-03	2.85E-01	2.17E-01	1.31E-01	6.39E-01
3.00E-01	7.84E-03	2.70E-01	1.82E-01	1.77E-01	6.38E-01
4.00E-01	9.93E-03	2.57E-01	1.53E-01	2.15E-01	6.35E-01
5.00E-01	1.18E-02	2.47E-01	1.29E-01	2.44E-01	6.32E-01
6.00E-01	1.35E-02	2.38E-01	1.08E-01	2.66E-01	6.26E-01
7.00E-01	1.49E-02	2.31E-01	9.12E-02	2.82E-01	6.19E-01
8.00E-01	1.61E-02	2.24E-01	7.67E-02	2.92E-01	6.09E-01
9.00E-01	1.71E-02	2.19E-01	6.45E-02	2.98E-01	5.99E-01
1.00E+00	1.79E-02	2.13E-01	5.42E-02	3.01E-01	5.86E-01
2.00E+00	2.10E-02	1.80E-01	9.59E-03	2.20E-01	4.31E-01
3.00E+00	2.12E-02	1.65E-01	1.70E-03	1.18E-01	3.06E-01
4.00E+00	2.08E-02	1.57E-01	3.00E-04	5.73E-02	2.35E-01
5.00E+00	2.02E-02	1.53E-01	5.30E-05	2.70E-02	2.00E-01
6.00E+00	1.96E-02	1.51E-01	9.37E-06	1.27E-02	1.83E-01
7.00E+00	1.90E-02	1.49E-01	1.66E-06	6.08E-03	1.74E-01
8.00E+00	1.84E-02	1.49E-01	2.93E-07	3.00E-03	1.70E-01
9.00E+00	1.78E-02	1.48E-01	5.17E-08	1.56E-03	1.68E-01
1.00E+01	1.73E-02	1.48E-01	0.00E+00	8.71E-04	1.66E-01
2.00E+01	1.35E-02	1.46E-01	0.00E+00	2.25E-04	1.60E-01
3.00E+01	1.15E-02	1.45E-01	0.00E+00	2.21E-04	1.57E-01
4.00E+01	1.02E-02	1.43E-01	0.00E+00	2.18E-04	1.54E-01
5.00E+01	9.35E-03	1.42E-01	0.00E+00	2.15E-04	1.52E-01
6.00E+01	8.73E-03	1.41E-01	0.00E+00	2.12E-04	1.49E-01
7.00E+01	8.25E-03	1.39E-01	0.00E+00	2.09E-04	1.48E-01
8.00E+01	7.87E-03	1.38E-01	0.00E+00	2.06E-04	1.46E-01
9.00E+01	7.57E-03	1.36E-01	0.00E+00	2.03E-04	1.44E-01
1.00E+02	7.33E-03	1.35E-01	0.00E+00	2.01E-04	1.42E-01
2.00E+02	6.42E-03	1.22E-01	0.00E+00	1.75E-04	1.28E-01
3.00E+02	6.34E-03	1.10E-01	0.00E+00	1.52E-04	1.17E-01
4.00E+02	6.35E-03	9.98E-02	0.00E+00	1.32E-04	1.06E-01
5.00E+02	6.37E-03	9.06E-02	0.00E+00	1.15E-04	9.70E-02
6.00E+02	6.37E-03	8.23E-02	0.00E+00	1.00E-04	8.88E-02
7.00E+02	6.35E-03	7.49E-02	0.00E+00	8.73E-05	8.13E-02
8.00E+02	6.32E-03	6.83E-02	0.00E+00	7.60E-05	7.47E-02
9.00E+02	6.27E-03	6.23E-02	0.00E+00	6.62E-05	6.87E-02
1.00E+03	6.21E-03	5.70E-02	0.00E+00	5.76E-05	6.33E-02
2.00E+03	5.06E-03	2.55E-02	0.00E+00	1.44E-05	3.05E-02
3.00E+03	3.60E-03	1.34E-02	0.00E+00	3.60E-06	1.70E-02
4.00E+03	2.36E-03	8.25E-03	0.00E+00	9.00E-07	1.06E-02
5.00E+03	1.47E-03	5.92E-03	0.00E+00	2.25E-07	7.38E-03
7.00E+03	5.11E-04	4.27E-03	0.00E+00	1.41E-08	4.78E-03
8.00E+03	2.92E-04	4.00E-03	0.00E+00	0.00E+00	4.29E-03
9.00E+03	1.64E-04	3.87E-03	0.00E+00	0.00E+00	4.03E-03
1.00E+04	9.12E-05	3.80E-03	0.00E+00	0.00E+00	3.89E-03
2.00E+04	1.78E-07	3.74E-03	0.00E+00	0.00E+00	3.74E-03

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		1.22E-04		1.04E-05
2.00E-01		2.79E-04		2.08E-04
3.00E-01		4.76E-04		1.04E-03
4.00E-01		7.19E-04		3.02E-03
5.00E-01		9.97E-04		6.52E-03
6.00E-01		1.30E-03		1.18E-02
7.00E-01		1.61E-03		1.89E-02
8.00E-01		1.92E-03		2.78E-02
9.00E-01		2.23E-03		3.83E-02
1.00E+00	2.53E-03	2.53E-03	5.03E-02	5.03E-02
2.00E+00	2.22E-03	4.75E-03	1.53E-01	2.04E-01
3.00E+00	1.30E-03	6.05E-03	1.24E-01	3.27E-01
4.00E+00	9.71E-04	7.03E-03	6.95E-02	3.97E-01
5.00E+00	8.36E-04	7.86E-03	3.44E-02	4.31E-01
6.00E+00	7.56E-04	8.62E-03	1.63E-02	4.48E-01
7.00E+00	6.96E-04	9.31E-03	7.67E-03	4.55E-01
8.00E+00	6.45E-04	9.96E-03	3.66E-03	4.59E-01
9.00E+00	6.01E-04	1.06E-02	1.80E-03	4.61E-01
1.00E+01	5.61E-04	1.11E-02	9.31E-04	4.62E-01
2.00E+01	3.03E-04	1.51E-02	1.29E-04	4.64E-01
3.00E+01	1.85E-04	1.74E-02	1.26E-04	4.65E-01
4.00E+01	1.28E-04	1.89E-02	1.25E-04	4.66E-01
5.00E+01	9.70E-05	2.00E-02	1.23E-04	4.68E-01
7.00E+01	6.66E-05	2.16E-02	1.20E-04	4.70E-01
8.00E+01	5.79E-05	2.22E-02	1.18E-04	4.71E-01
9.00E+01	5.13E-05	2.28E-02	1.16E-04	4.72E-01
1.00E+02	4.61E-05	2.33E-02	1.15E-04	4.73E-01
2.00E+02	2.61E-05	2.66E-02	9.98E-05	4.84E-01
3.00E+02	2.31E-05	2.90E-02	8.69E-05	4.93E-01
4.00E+02	2.22E-05	3.12E-02	7.56E-05	5.02E-01
5.00E+02	2.17E-05	3.34E-02	6.59E-05	5.09E-01
7.00E+02	2.04E-05	3.76E-02	4.99E-05	5.20E-01
8.00E+02	1.98E-05	3.96E-02	4.34E-05	5.25E-01
9.00E+02	1.91E-05	4.16E-02	3.78E-05	5.29E-01
1.00E+03	1.84E-05	4.35E-02	3.29E-05	5.32E-01
2.00E+03	1.17E-05	5.84E-02	8.23E-06	5.50E-01
3.00E+03	6.88E-06	6.75E-02	2.06E-06	5.55E-01
4.00E+03	3.90E-06	7.28E-02	5.14E-07	5.56E-01
5.00E+03	2.16E-06	7.57E-02	1.29E-07	5.56E-01
7.00E+03	6.45E-07	7.82E-02	0.00E+00	5.56E-01
8.00E+03	3.48E-07	7.87E-02	0.00E+00	5.56E-01
9.00E+03	1.87E-07	7.90E-02	0.00E+00	5.56E-01
1.00E+04	9.97E-08	7.91E-02	0.00E+00	5.56E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	3.69E-03	3.04E-01	2.58E-01	7.30E-02	6.39E-01
2.00E-01	3.61E-03	2.85E-01	2.17E-01	1.33E-01	6.38E-01
3.00E-01	3.63E-03	2.70E-01	1.82E-01	1.81E-01	6.37E-01
4.00E-01	3.68E-03	2.57E-01	1.53E-01	2.21E-01	6.35E-01
5.00E-01	3.75E-03	2.47E-01	1.29E-01	2.52E-01	6.31E-01
6.00E-01	3.81E-03	2.38E-01	1.08E-01	2.75E-01	6.26E-01
7.00E-01	3.87E-03	2.31E-01	9.12E-02	2.92E-01	6.18E-01
8.00E-01	3.91E-03	2.24E-01	7.67E-02	3.04E-01	6.09E-01
9.00E-01	3.94E-03	2.19E-01	6.45E-02	3.11E-01	5.98E-01
1.00E+00	3.97E-03	2.13E-01	5.42E-02	3.14E-01	5.86E-01
2.00E+00	4.01E-03	1.80E-01	9.59E-03	2.31E-01	4.25E-01
3.00E+00	3.90E-03	1.65E-01	1.70E-03	1.24E-01	2.95E-01
4.00E+00	3.77E-03	1.57E-01	3.00E-04	6.04E-02	2.21E-01
5.00E+00	3.62E-03	1.53E-01	5.30E-05	2.84E-02	1.85E-01
6.00E+00	3.48E-03	1.51E-01	9.37E-06	1.34E-02	1.67E-01
7.00E+00	3.34E-03	1.49E-01	1.66E-06	6.40E-03	1.59E-01
8.00E+00	3.20E-03	1.49E-01	2.93E-07	3.16E-03	1.55E-01
9.00E+00	3.07E-03	1.48E-01	5.17E-08	1.64E-03	1.53E-01
1.00E+01	2.94E-03	1.48E-01	0.00E+00	9.16E-04	1.52E-01
2.00E+01	1.96E-03	1.46E-01	0.00E+00	2.35E-04	1.49E-01
3.00E+01	1.34E-03	1.45E-01	0.00E+00	2.31E-04	1.47E-01
4.00E+01	9.44E-04	1.43E-01	0.00E+00	2.28E-04	1.45E-01
5.00E+01	6.98E-04	1.42E-01	0.00E+00	2.25E-04	1.43E-01
6.00E+01	5.43E-04	1.41E-01	0.00E+00	2.22E-04	1.41E-01
7.00E+01	4.46E-04	1.39E-01	0.00E+00	2.19E-04	1.40E-01
8.00E+01	3.85E-04	1.38E-01	0.00E+00	2.16E-04	1.38E-01
9.00E+01	3.47E-04	1.36E-01	0.00E+00	2.13E-04	1.37E-01
1.00E+02	3.23E-04	1.35E-01	0.00E+00	2.10E-04	1.35E-01
2.00E+02	2.87E-04	1.22E-01	0.00E+00	1.83E-04	1.22E-01
3.00E+02	2.89E-04	1.10E-01	0.00E+00	1.59E-04	1.11E-01
4.00E+02	2.88E-04	9.98E-02	0.00E+00	1.38E-04	1.00E-01
5.00E+02	2.85E-04	9.06E-02	0.00E+00	1.21E-04	9.10E-02
6.00E+02	2.80E-04	8.23E-02	0.00E+00	1.05E-04	8.27E-02
7.00E+02	2.74E-04	7.49E-02	0.00E+00	9.14E-05	7.53E-02
8.00E+02	2.66E-04	6.83E-02	0.00E+00	7.95E-05	6.86E-02
9.00E+02	2.58E-04	6.23E-02	0.00E+00	6.92E-05	6.27E-02
1.00E+03	2.48E-04	5.70E-02	0.00E+00	6.03E-05	5.73E-02
2.00E+03	1.52E-04	2.55E-02	0.00E+00	1.51E-05	2.56E-02
3.00E+03	8.32E-05	1.34E-02	0.00E+00	3.77E-06	1.35E-02
4.00E+03	4.34E-05	8.25E-03	0.00E+00	9.42E-07	8.29E-03
5.00E+03	2.21E-05	5.92E-03	0.00E+00	2.35E-07	5.94E-03
6.00E+03	1.12E-05	4.81E-03	0.00E+00	5.89E-08	4.82E-03
7.00E+03	5.62E-06	4.27E-03	0.00E+00	1.47E-08	4.27E-03
8.00E+03	2.81E-06	4.00E-03	0.00E+00	0.00E+00	4.00E-03
9.00E+03	1.41E-06	3.87E-03	0.00E+00	0.00E+00	3.87E-03
1.00E+04	7.05E-07	3.80E-03	0.00E+00	0.00E+00	3.80E-03

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		2.58E-04		1.04E-05
2.00E-01		5.04E-04		2.10E-04
3.00E-01		7.08E-04		1.06E-03
4.00E-01		8.83E-04		3.07E-03
5.00E-01		1.04E-03		6.65E-03
6.00E-01		1.17E-03		1.21E-02
7.00E-01		1.29E-03		1.94E-02
8.00E-01		1.40E-03		2.86E-02
9.00E-01		1.50E-03		3.95E-02
1.00E+00	1.58E-03	1.58E-03	5.19E-02	5.19E-02
2.00E+00	5.21E-04	2.10E-03	1.60E-01	2.12E-01
3.00E+00	2.71E-04	2.38E-03	1.30E-01	3.42E-01
4.00E+00	2.09E-04	2.58E-03	7.32E-02	4.15E-01
5.00E+00	1.86E-04	2.77E-03	3.62E-02	4.52E-01
6.00E+00	1.74E-04	2.94E-03	1.72E-02	4.69E-01
7.00E+00	1.65E-04	3.11E-03	8.08E-03	4.77E-01
8.00E+00	1.58E-04	3.27E-03	3.86E-03	4.81E-01
9.00E+00	1.51E-04	3.42E-03	1.90E-03	4.83E-01
1.00E+01	1.45E-04	3.56E-03	9.80E-04	4.84E-01
2.00E+01	9.76E-05	4.73E-03	1.35E-04	4.86E-01
3.00E+01	6.82E-05	5.53E-03	1.32E-04	4.87E-01
4.00E+01	4.97E-05	6.11E-03	1.31E-04	4.88E-01
5.00E+01	3.81E-05	6.54E-03	1.29E-04	4.90E-01
7.00E+01	2.62E-05	7.16E-03	1.25E-04	4.92E-01
8.00E+01	2.33E-05	7.40E-03	1.23E-04	4.93E-01
9.00E+01	2.16E-05	7.62E-03	1.22E-04	4.95E-01
1.00E+02	2.04E-05	7.83E-03	1.20E-04	4.96E-01
2.00E+02	1.88E-05	9.74E-03	1.05E-04	5.07E-01
3.00E+02	1.90E-05	1.16E-02	9.10E-05	5.17E-01
4.00E+02	1.89E-05	1.35E-02	7.92E-05	5.25E-01
5.00E+02	1.87E-05	1.54E-02	6.90E-05	5.33E-01
7.00E+02	1.79E-05	1.91E-02	5.23E-05	5.45E-01
8.00E+02	1.74E-05	2.08E-02	4.55E-05	5.50E-01
9.00E+02	1.68E-05	2.26E-02	3.96E-05	5.54E-01
1.00E+03	1.62E-05	2.42E-02	3.45E-05	5.58E-01
2.00E+03	9.95E-06	3.72E-02	8.62E-06	5.76E-01
3.00E+03	5.44E-06	4.48E-02	2.16E-06	5.81E-01
4.00E+03	2.83E-06	4.88E-02	5.39E-07	5.82E-01
5.00E+03	1.44E-06	5.08E-02	1.35E-07	5.82E-01
7.00E+03	3.67E-07	5.24E-02	0.00E+00	5.82E-01
8.00E+03	1.84E-07	5.27E-02	0.00E+00	5.82E-01
9.00E+03	9.20E-08	5.28E-02	0.00E+00	5.82E-01
1.00E+04	4.60E-08	5.29E-02	0.00E+00	5.82E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	4.38E-03	3.04E-01	2.58E-01	7.26E-02	6.39E-01
2.00E-01	6.04E-03	2.85E-01	2.17E-01	1.31E-01	6.39E-01
3.00E-01	8.27E-03	2.70E-01	1.82E-01	1.77E-01	6.38E-01
4.00E-01	1.06E-02	2.57E-01	1.53E-01	2.15E-01	6.36E-01
5.00E-01	1.27E-02	2.47E-01	1.29E-01	2.44E-01	6.32E-01
6.00E-01	1.47E-02	2.38E-01	1.08E-01	2.66E-01	6.27E-01
7.00E-01	1.63E-02	2.31E-01	9.12E-02	2.82E-01	6.20E-01
8.00E-01	1.78E-02	2.24E-01	7.67E-02	2.92E-01	6.11E-01
9.00E-01	1.90E-02	2.19E-01	6.45E-02	2.98E-01	6.00E-01
1.00E+00	2.00E-02	2.13E-01	5.42E-02	3.01E-01	5.88E-01
2.00E+00	2.47E-02	1.80E-01	9.59E-03	2.20E-01	4.35E-01
3.00E+00	2.55E-02	1.65E-01	1.70E-03	1.18E-01	3.10E-01
4.00E+00	2.54E-02	1.57E-01	3.00E-04	5.73E-02	2.40E-01
5.00E+00	2.51E-02	1.53E-01	5.30E-05	2.70E-02	2.05E-01
6.00E+00	2.47E-02	1.51E-01	9.37E-06	1.27E-02	1.88E-01
7.00E+00	2.42E-02	1.49E-01	1.66E-06	6.08E-03	1.80E-01
8.00E+00	2.38E-02	1.49E-01	2.93E-07	3.00E-03	1.76E-01
9.00E+00	2.34E-02	1.48E-01	5.17E-08	1.56E-03	1.73E-01
1.00E+01	2.30E-02	1.48E-01	0.00E+00	8.71E-04	1.72E-01
2.00E+01	1.99E-02	1.46E-01	0.00E+00	2.25E-04	1.67E-01
3.00E+01	1.75E-02	1.45E-01	0.00E+00	2.21E-04	1.63E-01
4.00E+01	1.54E-02	1.43E-01	0.00E+00	2.18E-04	1.59E-01
5.00E+01	1.36E-02	1.42E-01	0.00E+00	2.15E-04	1.56E-01
6.00E+01	1.21E-02	1.41E-01	0.00E+00	2.12E-04	1.53E-01
7.00E+01	1.07E-02	1.39E-01	0.00E+00	2.09E-04	1.50E-01
8.00E+01	9.53E-03	1.38E-01	0.00E+00	2.06E-04	1.47E-01
9.00E+01	8.50E-03	1.36E-01	0.00E+00	2.03E-04	1.45E-01
1.00E+02	7.60E-03	1.35E-01	0.00E+00	2.01E-04	1.43E-01
2.00E+02	3.07E-03	1.22E-01	0.00E+00	1.75E-04	1.25E-01
3.00E+02	1.91E-03	1.10E-01	0.00E+00	1.52E-04	1.12E-01
4.00E+02	1.59E-03	9.98E-02	0.00E+00	1.32E-04	1.02E-01
5.00E+02	1.48E-03	9.06E-02	0.00E+00	1.15E-04	9.22E-02
6.00E+02	1.41E-03	8.23E-02	0.00E+00	1.00E-04	8.38E-02
7.00E+02	1.36E-03	7.49E-02	0.00E+00	8.73E-05	7.63E-02
8.00E+02	1.31E-03	6.83E-02	0.00E+00	7.60E-05	6.97E-02
9.00E+02	1.25E-03	6.23E-02	0.00E+00	6.62E-05	6.37E-02
1.00E+03	1.20E-03	5.70E-02	0.00E+00	5.76E-05	5.83E-02
2.00E+03	7.01E-04	2.55E-02	0.00E+00	1.44E-05	2.62E-02
3.00E+03	3.76E-04	1.34E-02	0.00E+00	3.60E-06	1.38E-02
4.00E+03	1.94E-04	8.25E-03	0.00E+00	9.00E-07	8.44E-03
5.00E+03	9.87E-05	5.92E-03	0.00E+00	2.25E-07	6.02E-03
6.00E+03	4.98E-05	4.81E-03	0.00E+00	5.63E-08	4.86E-03
7.00E+03	2.50E-05	4.27E-03	0.00E+00	1.41E-08	4.29E-03
8.00E+03	1.25E-05	4.00E-03	0.00E+00	0.00E+00	4.01E-03
9.00E+03	6.26E-06	3.87E-03	0.00E+00	0.00E+00	3.88E-03
1.00E+04	3.13E-06	3.80E-03	0.00E+00	0.00E+00	3.81E-03

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		1.12E-05		1.04E-05
2.00E-01		2.76E-05		2.08E-04
3.00E-01		5.02E-05		1.04E-03
4.00E-01		8.00E-05		3.02E-03
5.00E-01		1.17E-04		6.52E-03
6.00E-01		1.60E-04		1.18E-02
7.00E-01		2.08E-04		1.89E-02
8.00E-01		2.61E-04		2.78E-02
9.00E-01		3.18E-04		3.83E-02
1.00E+00	3.77E-04	3.77E-04	5.03E-02	5.03E-02
2.00E+00	6.77E-04	1.05E-03	1.53E-01	2.04E-01
3.00E+00	6.92E-04	1.75E-03	1.24E-01	3.27E-01
4.00E+00	6.50E-04	2.40E-03	6.95E-02	3.97E-01
5.00E+00	6.00E-04	3.00E-03	3.44E-02	4.31E-01
6.00E+00	5.53E-04	3.55E-03	1.63E-02	4.48E-01
7.00E+00	5.12E-04	4.06E-03	7.67E-03	4.55E-01
8.00E+00	4.76E-04	4.54E-03	3.66E-03	4.59E-01
9.00E+00	4.45E-04	4.98E-03	1.80E-03	4.61E-01
1.00E+01	4.19E-04	5.40E-03	9.31E-04	4.62E-01
2.00E+01	2.93E-04	8.76E-03	1.29E-04	4.64E-01
3.00E+01	2.48E-04	1.14E-02	1.26E-04	4.65E-01
4.00E+01	2.18E-04	1.37E-02	1.25E-04	4.66E-01
5.00E+01	1.92E-04	1.58E-02	1.23E-04	4.68E-01
6.00E+01	1.71E-04	1.76E-02	1.21E-04	4.69E-01
7.00E+01	1.52E-04	1.92E-02	1.20E-04	4.70E-01
8.00E+01	1.35E-04	2.06E-02	1.18E-04	4.71E-01
9.00E+01	1.21E-04	2.19E-02	1.16E-04	4.72E-01
1.00E+02	1.08E-04	2.30E-02	1.15E-04	4.73E-01
2.00E+02	4.48E-05	2.99E-02	9.98E-05	4.84E-01
3.00E+02	2.86E-05	3.34E-02	8.69E-05	4.93E-01
4.00E+02	2.42E-05	3.60E-02	7.56E-05	5.02E-01
5.00E+02	2.25E-05	3.83E-02	6.59E-05	5.09E-01
7.00E+02	2.07E-05	4.26E-02	4.99E-05	5.20E-01
8.00E+02	1.99E-05	4.47E-02	4.34E-05	5.25E-01
9.00E+02	1.91E-05	4.66E-02	3.78E-05	5.29E-01
1.00E+03	1.83E-05	4.85E-02	3.29E-05	5.32E-01
2.00E+03	1.07E-05	6.28E-02	8.23E-06	5.50E-01
3.00E+03	5.72E-06	7.07E-02	2.06E-06	5.55E-01
4.00E+03	2.96E-06	7.49E-02	5.14E-07	5.56E-01
5.00E+03	1.50E-06	7.71E-02	1.29E-07	5.56E-01
7.00E+03	3.80E-07	7.87E-02	0.00E+00	5.56E-01
8.00E+03	1.91E-07	7.90E-02	0.00E+00	5.56E-01
9.00E+03	9.54E-08	7.91E-02	0.00E+00	5.56E-01
1.00E+04	4.77E-08	7.92E-02	0.00E+00	5.56E-01

CLASS Y

AMAD = 1 MICRON

STABLE

CADMIUM 112

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	4.39E-03	3.04E-01	2.58E-01	7.26E-02	6.39E-01
2.00E-01	6.07E-03	2.85E-01	2.17E-01	1.31E-01	6.39E-01
3.00E-01	8.32E-03	2.70E-01	1.82E-01	1.77E-01	6.38E-01
4.00E-01	1.07E-02	2.57E-01	1.53E-01	2.15E-01	6.36E-01
5.00E-01	1.28E-02	2.47E-01	1.29E-01	2.44E-01	6.33E-01
6.00E-01	1.48E-02	2.38E-01	1.08E-01	2.66E-01	6.27E-01
7.00E-01	1.65E-02	2.31E-01	9.12E-02	2.82E-01	6.20E-01
8.00E-01	1.80E-02	2.24E-01	7.67E-02	2.92E-01	6.11E-01
9.00E-01	1.93E-02	2.19E-01	6.45E-02	2.98E-01	6.01E-01
1.00E+00	2.04E-02	2.13E-01	5.42E-02	3.01E-01	5.89E-01
2.00E+00	2.57E-02	1.80E-01	9.59E-03	2.20E-01	4.36E-01
3.00E+00	2.72E-02	1.65E-01	1.70E-03	1.18E-01	3.12E-01
4.00E+00	2.78E-02	1.57E-01	3.00E-04	5.73E-02	2.42E-01
5.00E+00	2.81E-02	1.53E-01	5.30E-05	2.70E-02	2.08E-01
6.00E+00	2.82E-02	1.51E-01	9.37E-06	1.27E-02	1.91E-01
7.00E+00	2.83E-02	1.49E-01	1.66E-06	6.08E-03	1.84E-01
8.00E+00	2.83E-02	1.49E-01	2.93E-07	3.00E-03	1.80E-01
9.00E+00	2.84E-02	1.48E-01	5.17E-08	1.56E-03	1.78E-01
1.00E+01	2.84E-02	1.48E-01	0.00E+00	8.71E-04	1.77E-01
2.00E+01	2.86E-02	1.46E-01	0.00E+00	2.25E-04	1.75E-01
3.00E+01	2.88E-02	1.45E-01	0.00E+00	2.21E-04	1.74E-01
4.00E+01	2.91E-02	1.43E-01	0.00E+00	2.18E-04	1.73E-01
5.00E+01	2.93E-02	1.42E-01	0.00E+00	2.15E-04	1.71E-01
6.00E+01	2.95E-02	1.41E-01	0.00E+00	2.12E-04	1.70E-01
7.00E+01	2.97E-02	1.39E-01	0.00E+00	2.09E-04	1.69E-01
8.00E+01	2.99E-02	1.38E-01	0.00E+00	2.06E-04	1.68E-01
9.00E+01	3.02E-02	1.36E-01	0.00E+00	2.03E-04	1.67E-01
1.00E+02	3.04E-02	1.35E-01	0.00E+00	2.01E-04	1.65E-01
2.00E+02	3.25E-02	1.22E-01	0.00E+00	1.75E-04	1.54E-01
3.00E+02	3.46E-02	1.10E-01	0.00E+00	1.52E-04	1.45E-01
4.00E+02	3.66E-02	9.98E-02	0.00E+00	1.32E-04	1.37E-01
5.00E+02	3.85E-02	9.06E-02	0.00E+00	1.15E-04	1.29E-01
6.00E+02	4.04E-02	8.23E-02	0.00E+00	1.00E-04	1.23E-01
7.00E+02	4.21E-02	7.49E-02	0.00E+00	8.73E-05	1.17E-01
8.00E+02	4.38E-02	6.83E-02	0.00E+00	7.60E-05	1.12E-01
9.00E+02	4.53E-02	6.23E-02	0.00E+00	6.62E-05	1.08E-01
1.00E+03	4.68E-02	5.70E-02	0.00E+00	5.76E-05	1.04E-01
2.00E+03	5.66E-02	2.55E-02	0.00E+00	1.44E-05	8.21E-02
3.00E+03	5.98E-02	1.34E-02	0.00E+00	3.60E-06	7.32E-02
4.00E+03	5.93E-02	8.25E-03	0.00E+00	9.00E-07	6.75E-02
5.00E+03	5.69E-02	5.92E-03	0.00E+00	2.25E-07	6.28E-02
7.00E+03	5.03E-02	4.27E-03	0.00E+00	1.41E-08	5.46E-02
8.00E+03	4.69E-02	4.00E-03	0.00E+00	0.00E+00	5.09E-02
9.00E+03	4.36E-02	3.87E-03	0.00E+00	0.00E+00	4.74E-02
1.00E+04	4.04E-02	3.80E-03	0.00E+00	0.00E+00	4.43E-02
2.00E+04	1.90E-02	3.74E-03	0.00E+00	0.00E+00	2.27E-02

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		2.64E-08		1.04E-05
2.00E-01		6.56E-08		2.08E-04
3.00E-01		1.20E-07		1.04E-03
4.00E-01		1.92E-07		3.02E-03
5.00E-01		2.81E-07		6.52E-03
6.00E-01		3.87E-07		1.18E-02
7.00E-01		5.06E-07		1.89E-02
8.00E-01		6.37E-07		2.78E-02
9.00E-01		7.79E-07		3.83E-02
1.00E+00	9.30E-07	9.30E-07	5.03E-02	5.03E-02
2.00E+00	1.80E-06	2.73E-06	1.53E-01	2.04E-01
3.00E+00	2.02E-06	4.75E-06	1.24E-01	3.27E-01
4.00E+00	2.09E-06	6.84E-06	6.95E-02	3.97E-01
5.00E+00	2.12E-06	8.96E-06	3.44E-02	4.31E-01
6.00E+00	2.14E-06	1.11E-05	1.63E-02	4.48E-01
7.00E+00	2.15E-06	1.32E-05	7.67E-03	4.55E-01
8.00E+00	2.15E-06	1.54E-05	3.66E-03	4.59E-01
9.00E+00	2.15E-06	1.75E-05	1.80E-03	4.61E-01
1.00E+01	2.16E-06	1.97E-05	9.31E-04	4.62E-01
2.00E+01	2.17E-06	4.14E-05	1.29E-04	4.64E-01
3.00E+01	2.19E-06	6.32E-05	1.26E-04	4.65E-01
4.00E+01	2.21E-06	8.52E-05	1.25E-04	4.66E-01
5.00E+01	2.22E-06	1.07E-04	1.23E-04	4.68E-01
7.00E+01	2.26E-06	1.52E-04	1.20E-04	4.70E-01
8.00E+01	2.27E-06	1.75E-04	1.18E-04	4.71E-01
9.00E+01	2.29E-06	1.98E-04	1.16E-04	4.72E-01
1.00E+02	2.31E-06	2.21E-04	1.15E-04	4.73E-01
2.00E+02	2.47E-06	4.59E-04	9.98E-05	4.84E-01
3.00E+02	2.63E-06	7.14E-04	8.69E-05	4.93E-01
4.00E+02	2.78E-06	9.85E-04	7.56E-05	5.02E-01
5.00E+02	2.92E-06	1.27E-03	6.59E-05	5.09E-01
7.00E+02	3.20E-06	1.88E-03	4.99E-05	5.20E-01
8.00E+02	3.32E-06	2.21E-03	4.34E-05	5.25E-01
9.00E+02	3.44E-06	2.55E-03	3.78E-05	5.29E-01
1.00E+03	3.55E-06	2.90E-03	3.29E-05	5.32E-01
2.00E+03	4.30E-06	6.87E-03	8.23E-06	5.50E-01
3.00E+03	4.54E-06	1.13E-02	2.06E-06	5.55E-01
4.00E+03	4.50E-06	1.59E-02	5.14E-07	5.56E-01
5.00E+03	4.32E-06	2.03E-02	1.29E-07	5.56E-01
7.00E+03	3.82E-06	2.84E-02	0.00E+00	5.56E-01
8.00E+03	3.56E-06	3.21E-02	0.00E+00	5.56E-01
9.00E+03	3.31E-06	3.56E-02	0.00E+00	5.56E-01
1.00E+04	3.07E-06	3.87E-02	0.00E+00	5.56E-01
2.00E+04	1.44E-06	6.03E-02	0.00E+00	5.56E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	3.90E-03	3.04E-01	2.58E-01	7.31E-02	6.39E-01
2.00E-01	3.92E-03	2.85E-01	2.17E-01	1.33E-01	6.39E-01
3.00E-01	3.93E-03	2.70E-01	1.82E-01	1.82E-01	6.38E-01
4.00E-01	3.95E-03	2.57E-01	1.53E-01	2.21E-01	6.36E-01
5.00E-01	3.96E-03	2.47E-01	1.29E-01	2.52E-01	6.32E-01
6.00E-01	3.97E-03	2.38E-01	1.08E-01	2.76E-01	6.27E-01
7.00E-01	3.99E-03	2.31E-01	9.12E-02	2.94E-01	6.20E-01
8.00E-01	4.00E-03	2.24E-01	7.67E-02	3.05E-01	6.10E-01
9.00E-01	4.01E-03	2.19E-01	6.45E-02	3.12E-01	6.00E-01
1.00E+00	4.01E-03	2.13E-01	5.42E-02	3.15E-01	5.87E-01
2.00E+00	4.06E-03	1.80E-01	9.59E-03	2.32E-01	4.26E-01
3.00E+00	4.09E-03	1.65E-01	1.70E-03	1.25E-01	2.95E-01
4.00E+00	4.11E-03	1.57E-01	3.00E-04	6.07E-02	2.22E-01
5.00E+00	4.13E-03	1.53E-01	5.30E-05	2.86E-02	1.85E-01
6.00E+00	4.14E-03	1.51E-01	9.37E-06	1.34E-02	1.68E-01
7.00E+00	4.16E-03	1.49E-01	1.66E-06	6.44E-03	1.60E-01
8.00E+00	4.18E-03	1.49E-01	2.93E-07	3.18E-03	1.56E-01
9.00E+00	4.19E-03	1.48E-01	5.17E-08	1.65E-03	1.54E-01
1.00E+01	4.21E-03	1.48E-01	0.00E+00	9.20E-04	1.53E-01
2.00E+01	4.38E-03	1.46E-01	0.00E+00	2.36E-04	1.51E-01
3.00E+01	4.54E-03	1.45E-01	0.00E+00	2.32E-04	1.50E-01
4.00E+01	4.71E-03	1.43E-01	0.00E+00	2.29E-04	1.48E-01
5.00E+01	4.88E-03	1.42E-01	0.00E+00	2.26E-04	1.47E-01
6.00E+01	5.04E-03	1.41E-01	0.00E+00	2.23E-04	1.46E-01
7.00E+01	5.21E-03	1.39E-01	0.00E+00	2.20E-04	1.45E-01
8.00E+01	5.38E-03	1.38E-01	0.00E+00	2.17E-04	1.43E-01
9.00E+01	5.55E-03	1.36E-01	0.00E+00	2.14E-04	1.42E-01
1.00E+02	5.72E-03	1.35E-01	0.00E+00	2.11E-04	1.41E-01
2.00E+02	7.41E-03	1.22E-01	0.00E+00	1.84E-04	1.29E-01
3.00E+02	9.09E-03	1.10E-01	0.00E+00	1.60E-04	1.19E-01
4.00E+02	1.07E-02	9.98E-02	0.00E+00	1.39E-04	1.11E-01
5.00E+02	1.24E-02	9.06E-02	0.00E+00	1.21E-04	1.03E-01
6.00E+02	1.39E-02	8.23E-02	0.00E+00	1.05E-04	9.63E-02
7.00E+02	1.54E-02	7.49E-02	0.00E+00	9.18E-05	9.04E-02
8.00E+02	1.68E-02	6.83E-02	0.00E+00	7.99E-05	8.52E-02
9.00E+02	1.82E-02	6.23E-02	0.00E+00	6.96E-05	8.06E-02
1.00E+03	1.94E-02	5.70E-02	0.00E+00	6.06E-05	7.65E-02
2.00E+03	2.75E-02	2.55E-02	0.00E+00	1.51E-05	5.30E-02
3.00E+03	2.92E-02	1.34E-02	0.00E+00	3.78E-06	4.26E-02
4.00E+03	2.75E-02	8.25E-03	0.00E+00	9.46E-07	3.58E-02
5.00E+03	2.44E-02	5.92E-03	0.00E+00	2.37E-07	3.03E-02
7.00E+03	1.77E-02	4.27E-03	0.00E+00	1.48E-08	2.19E-02
8.00E+03	1.47E-02	4.00E-03	0.00E+00	0.00E+00	1.87E-02
9.00E+03	1.22E-02	3.87E-03	0.00E+00	0.00E+00	1.61E-02
1.00E+04	1.01E-02	3.80E-03	0.00E+00	0.00E+00	1.39E-02
2.00E+04	1.40E-03	3.74E-03	0.00E+00	0.00E+00	5.14E-03

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		6.61E-08		1.04E-05
2.00E-01		1.44E-07		2.10E-04
3.00E-01		2.21E-07		1.06E-03
4.00E-01		2.99E-07		3.07E-03
5.00E-01		3.77E-07		6.67E-03
6.00E-01		4.56E-07		1.21E-02
7.00E-01		5.35E-07		1.94E-02
8.00E-01		6.14E-07		2.86E-02
9.00E-01		6.93E-07		3.96E-02
1.00E+00	7.72E-07	7.72E-07	5.21E-02	5.21E-02
2.00E+00	8.00E-07	1.57E-06	1.61E-01	2.13E-01
3.00E+00	8.07E-07	2.38E-06	1.31E-01	3.44E-01
4.00E+00	8.12E-07	3.19E-06	7.36E-02	4.17E-01
5.00E+00	8.15E-07	4.01E-06	3.64E-02	4.54E-01
6.00E+00	8.19E-07	4.83E-06	1.73E-02	4.71E-01
7.00E+00	8.22E-07	5.65E-06	8.13E-03	4.79E-01
8.00E+00	8.26E-07	6.47E-06	3.88E-03	4.83E-01
9.00E+00	8.29E-07	7.30E-06	1.91E-03	4.85E-01
1.00E+01	8.32E-07	8.13E-06	9.85E-04	4.86E-01
2.00E+01	8.65E-07	1.66E-05	1.36E-04	4.88E-01
3.00E+01	8.98E-07	2.55E-05	1.33E-04	4.89E-01
4.00E+01	9.31E-07	3.46E-05	1.31E-04	4.91E-01
5.00E+01	9.64E-07	4.41E-05	1.29E-04	4.92E-01
7.00E+01	1.03E-06	6.41E-05	1.26E-04	4.95E-01
8.00E+01	1.06E-06	7.46E-05	1.24E-04	4.96E-01
9.00E+01	1.10E-06	8.54E-05	1.22E-04	4.97E-01
1.00E+02	1.13E-06	9.65E-05	1.21E-04	4.98E-01
2.00E+02	1.46E-06	2.26E-04	1.05E-04	5.10E-01
3.00E+02	1.80E-06	3.90E-04	9.14E-05	5.19E-01
4.00E+02	2.13E-06	5.86E-04	7.96E-05	5.28E-01
5.00E+02	2.45E-06	8.15E-04	6.93E-05	5.35E-01
7.00E+02	3.05E-06	1.37E-03	5.25E-05	5.47E-01
8.00E+02	3.33E-06	1.68E-03	4.57E-05	5.52E-01
9.00E+02	3.59E-06	2.03E-03	3.98E-05	5.57E-01
1.00E+03	3.84E-06	2.40E-03	3.47E-05	5.60E-01
2.00E+03	5.44E-06	7.18E-03	8.66E-06	5.79E-01
3.00E+03	5.79E-06	1.29E-02	2.17E-06	5.84E-01
4.00E+03	5.45E-06	1.85E-02	5.41E-07	5.85E-01
5.00E+03	4.83E-06	2.37E-02	1.35E-07	5.85E-01
7.00E+03	3.50E-06	3.20E-02	0.00E+00	5.85E-01
8.00E+03	2.91E-06	3.52E-02	0.00E+00	5.85E-01
9.00E+03	2.41E-06	3.78E-02	0.00E+00	5.85E-01
1.00E+04	1.99E-06	4.00E-02	0.00E+00	5.85E-01
2.00E+04	2.78E-07	4.88E-02	0.00E+00	5.85E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	3.89E-03	3.03E-01	2.58E-01	7.29E-02	6.38E-01
2.00E-01	3.90E-03	2.84E-01	2.16E-01	1.32E-01	6.36E-01
3.00E-01	3.91E-03	2.68E-01	1.81E-01	1.81E-01	6.34E-01
4.00E-01	3.91E-03	2.55E-01	1.52E-01	2.19E-01	6.31E-01
5.00E-01	3.92E-03	2.45E-01	1.28E-01	2.50E-01	6.26E-01
6.00E-01	3.92E-03	2.35E-01	1.07E-01	2.73E-01	6.19E-01
7.00E-01	3.93E-03	2.27E-01	8.99E-02	2.89E-01	6.11E-01
8.00E-01	3.93E-03	2.21E-01	7.54E-02	3.00E-01	6.00E-01
9.00E-01	3.93E-03	2.14E-01	6.33E-02	3.07E-01	5.88E-01
1.00E+00	3.93E-03	2.09E-01	5.31E-02	3.09E-01	5.75E-01
2.00E+00	3.89E-03	1.73E-01	9.19E-03	2.23E-01	4.09E-01
3.00E+00	3.84E-03	1.54E-01	1.59E-03	1.17E-01	2.77E-01
4.00E+00	3.77E-03	1.44E-01	2.75E-04	5.57E-02	2.04E-01
5.00E+00	3.71E-03	1.37E-01	4.76E-05	2.57E-02	1.67E-01
6.00E+00	3.65E-03	1.32E-01	8.24E-06	1.18E-02	1.48E-01
7.00E+00	3.58E-03	1.29E-01	1.43E-06	5.54E-03	1.38E-01
8.00E+00	3.52E-03	1.25E-01	2.47E-07	2.68E-03	1.32E-01
9.00E+00	3.46E-03	1.22E-01	4.27E-08	1.36E-03	1.27E-01
1.00E+01	3.40E-03	1.20E-01	0.00E+00	7.44E-04	1.24E-01
2.00E+01	2.86E-03	9.56E-02	0.00E+00	1.54E-04	9.86E-02
3.00E+01	2.40E-03	7.64E-02	0.00E+00	1.23E-04	7.90E-02
4.00E+01	2.01E-03	6.11E-02	0.00E+00	9.76E-05	6.32E-02
5.00E+01	1.68E-03	4.89E-02	0.00E+00	7.78E-05	5.06E-02
6.00E+01	1.40E-03	3.91E-02	0.00E+00	6.20E-05	4.05E-02
7.00E+01	1.17E-03	3.13E-02	0.00E+00	4.94E-05	3.25E-02
8.00E+01	9.77E-04	2.50E-02	0.00E+00	3.94E-05	2.60E-02
9.00E+01	8.14E-04	2.00E-02	0.00E+00	3.14E-05	2.08E-02
1.00E+02	6.77E-04	1.60E-02	0.00E+00	2.50E-05	1.67E-02
2.00E+02	1.04E-04	1.71E-03	0.00E+00	2.58E-06	1.82E-03
3.00E+02	1.51E-05	1.83E-04	0.00E+00	2.66E-07	1.99E-04
4.00E+02	2.12E-06	1.97E-05	0.00E+00	2.74E-08	2.18E-05
5.00E+02	2.89E-07	2.12E-06	0.00E+00	0.00E+00	2.41E-06
6.00E+02	3.86E-08	2.28E-07	0.00E+00	0.00E+00	2.67E-07

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		6.60E-08		1.04E-05
2.00E-01		1.43E-07		2.09E-04
3.00E-01		2.20E-07		1.05E-03
4.00E-01		2.97E-07		3.05E-03
5.00E-01		3.73E-07		6.60E-03
6.00E-01		4.50E-07		1.19E-02
7.00E-01		5.27E-07		1.91E-02
8.00E-01		6.03E-07		2.81E-02
9.00E-01		6.80E-07		3.88E-02
1.00E+00	7.56E-07	7.56E-07	5.10E-02	5.10E-02
2.00E+00	7.67E-07	1.51E-06	1.54E-01	2.04E-01
3.00E+00	7.57E-07	2.23E-06	1.23E-01	3.22E-01
4.00E+00	7.45E-07	2.93E-06	6.76E-02	3.83E-01
5.00E+00	7.33E-07	3.60E-06	3.27E-02	4.08E-01
6.00E+00	7.20E-07	4.25E-06	1.52E-02	4.14E-01
7.00E+00	7.08E-07	4.86E-06	7.00E-03	4.13E-01
8.00E+00	6.96E-07	5.46E-06	3.27E-03	4.07E-01
9.00E+00	6.84E-07	6.03E-06	1.58E-03	4.00E-01
1.00E+01	6.72E-07	6.57E-06	7.96E-04	3.93E-01
2.00E+01	5.65E-07	1.09E-05	8.85E-05	3.19E-01
3.00E+01	4.74E-07	1.34E-05	7.01E-05	2.58E-01
4.00E+01	3.97E-07	1.48E-05	5.59E-05	2.09E-01
5.00E+01	3.32E-07	1.52E-05	4.45E-05	1.69E-01
6.00E+01	2.77E-07	1.50E-05	3.55E-05	1.37E-01
7.00E+01	2.32E-07	1.44E-05	2.83E-05	1.11E-01
8.00E+01	1.93E-07	1.35E-05	2.25E-05	9.00E-02
9.00E+01	1.61E-07	1.25E-05	1.79E-05	7.29E-02
1.00E+02	1.34E-07	1.14E-05	1.43E-05	5.90E-02
2.00E+02	2.06E-08	3.18E-06	1.48E-06	7.16E-03

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	3.90E-03	3.04E-01	2.58E-01	7.30E-02	6.39E-01
2.00E-01	3.91E-03	2.85E-01	2.17E-01	1.33E-01	6.39E-01
3.00E-01	3.93E-03	2.70E-01	1.82E-01	1.82E-01	6.38E-01
4.00E-01	3.94E-03	2.57E-01	1.53E-01	2.21E-01	6.35E-01
5.00E-01	3.96E-03	2.47E-01	1.29E-01	2.52E-01	6.32E-01
6.00E-01	3.97E-03	2.38E-01	1.08E-01	2.76E-01	6.26E-01
7.00E-01	3.98E-03	2.31E-01	9.11E-02	2.93E-01	6.19E-01
8.00E-01	3.99E-03	2.24E-01	7.66E-02	3.05E-01	6.09E-01
9.00E-01	4.00E-03	2.18E-01	6.44E-02	3.12E-01	5.98E-01
1.00E+00	4.00E-03	2.13E-01	5.41E-02	3.15E-01	5.86E-01
2.00E+00	4.04E-03	1.80E-01	9.54E-03	2.31E-01	4.24E-01
3.00E+00	4.06E-03	1.63E-01	1.68E-03	1.24E-01	2.93E-01
4.00E+00	4.07E-03	1.55E-01	2.97E-04	6.01E-02	2.20E-01
5.00E+00	4.08E-03	1.51E-01	5.23E-05	2.82E-02	1.83E-01
6.00E+00	4.08E-03	1.48E-01	9.23E-06	1.33E-02	1.66E-01
7.00E+00	4.09E-03	1.47E-01	1.63E-06	6.33E-03	1.57E-01
8.00E+00	4.10E-03	1.46E-01	2.87E-07	3.12E-03	1.53E-01
9.00E+00	4.10E-03	1.45E-01	5.06E-08	1.61E-03	1.51E-01
1.00E+01	4.11E-03	1.45E-01	0.00E+00	8.98E-04	1.50E-01
2.00E+01	4.17E-03	1.39E-01	0.00E+00	2.25E-04	1.44E-01
3.00E+01	4.22E-03	1.35E-01	0.00E+00	2.16E-04	1.39E-01
4.00E+01	4.27E-03	1.30E-01	0.00E+00	2.08E-04	1.35E-01
5.00E+01	4.32E-03	1.26E-01	0.00E+00	2.00E-04	1.30E-01
6.00E+01	4.36E-03	1.21E-01	0.00E+00	1.93E-04	1.26E-01
7.00E+01	4.39E-03	1.17E-01	0.00E+00	1.85E-04	1.22E-01
8.00E+01	4.43E-03	1.13E-01	0.00E+00	1.78E-04	1.18E-01
9.00E+01	4.45E-03	1.09E-01	0.00E+00	1.72E-04	1.14E-01
1.00E+02	4.48E-03	1.06E-01	0.00E+00	1.65E-04	1.10E-01
2.00E+02	4.55E-03	7.48E-02	0.00E+00	1.13E-04	7.95E-02
3.00E+02	4.37E-03	5.30E-02	0.00E+00	7.69E-05	5.75E-02
4.00E+02	4.05E-03	3.76E-02	0.00E+00	5.25E-05	4.17E-02
5.00E+02	3.65E-03	2.68E-02	0.00E+00	3.58E-05	3.05E-02
6.00E+02	3.22E-03	1.91E-02	0.00E+00	2.44E-05	2.23E-02
7.00E+02	2.80E-03	1.36E-02	0.00E+00	1.67E-05	1.64E-02
8.00E+02	2.39E-03	9.71E-03	0.00E+00	1.14E-05	1.21E-02
9.00E+02	2.02E-03	6.95E-03	0.00E+00	7.75E-06	8.98E-03
1.00E+03	1.70E-03	4.98E-03	0.00E+00	5.29E-06	6.68E-03
2.00E+03	2.10E-04	1.94E-04	0.00E+00	1.15E-07	4.04E-04
3.00E+03	1.95E-05	8.91E-06	0.00E+00	0.00E+00	2.84E-05
4.00E+03	1.60E-06	4.80E-07	0.00E+00	0.00E+00	2.08E-06
5.00E+03	1.24E-07	3.00E-08	0.00E+00	0.00E+00	1.54E-07

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		6.61E-08		1.04E-05
2.00E-01		1.43E-07		2.10E-04
3.00E-01		2.21E-07		1.06E-03
4.00E-01		2.99E-07		3.07E-03
5.00E-01		3.77E-07		6.66E-03
6.00E-01		4.55E-07		1.21E-02
7.00E-01		5.34E-07		1.94E-02
8.00E-01		6.13E-07		2.86E-02
9.00E-01		6.92E-07		3.95E-02
1.00E+00	7.71E-07	7.71E-07	5.20E-02	5.20E-02
2.00E+00	7.97E-07	1.57E-06	1.60E-01	2.12E-01
3.00E+00	8.01E-07	2.36E-06	1.30E-01	3.41E-01
4.00E+00	8.04E-07	3.16E-06	7.29E-02	4.13E-01
5.00E+00	8.05E-07	3.96E-06	3.60E-02	4.48E-01
6.00E+00	8.07E-07	4.76E-06	1.70E-02	4.64E-01
7.00E+00	8.08E-07	5.55E-06	7.99E-03	4.71E-01
8.00E+00	8.10E-07	6.35E-06	3.81E-03	4.74E-01
9.00E+00	8.11E-07	7.14E-06	1.87E-03	4.74E-01
1.00E+01	8.12E-07	7.94E-06	9.62E-04	4.74E-01
2.00E+01	8.24E-07	1.58E-05	1.29E-04	4.65E-01
3.00E+01	8.35E-07	2.37E-05	1.24E-04	4.55E-01
4.00E+01	8.44E-07	3.14E-05	1.19E-04	4.45E-01
5.00E+01	8.53E-07	3.91E-05	1.14E-04	4.36E-01
6.00E+01	8.61E-07	4.66E-05	1.10E-04	4.26E-01
7.00E+01	8.69E-07	5.40E-05	1.06E-04	4.17E-01
8.00E+01	8.75E-07	6.14E-05	1.02E-04	4.08E-01
9.00E+01	8.81E-07	6.86E-05	9.82E-05	3.99E-01
1.00E+02	8.86E-07	7.57E-05	9.46E-05	3.90E-01
2.00E+02	9.00E-07	1.39E-04	6.45E-05	3.13E-01
3.00E+02	8.65E-07	1.88E-04	4.40E-05	2.50E-01
4.00E+02	8.02E-07	2.21E-04	3.00E-05	1.99E-01
5.00E+02	7.23E-07	2.41E-04	2.05E-05	1.58E-01
6.00E+02	6.38E-07	2.49E-04	1.40E-05	1.25E-01
7.00E+02	5.53E-07	2.48E-04	9.53E-06	9.93E-02
8.00E+02	4.73E-07	2.40E-04	6.50E-06	7.85E-02
9.00E+02	4.01E-07	2.26E-04	4.44E-06	6.20E-02
1.00E+03	3.36E-07	2.10E-04	3.03E-06	4.89E-02
2.00E+03	4.15E-08	5.47E-05	6.61E-08	4.42E-03

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	3.82E-03	3.04E-01	2.58E-01	7.31E-02	6.39E-01
2.00E-01	3.76E-03	2.85E-01	2.17E-01	1.33E-01	6.39E-01
3.00E-01	3.71E-03	2.70E-01	1.82E-01	1.82E-01	6.38E-01
4.00E-01	3.68E-03	2.57E-01	1.53E-01	2.21E-01	6.36E-01
5.00E-01	3.66E-03	2.47E-01	1.29E-01	2.52E-01	6.32E-01
6.00E-01	3.65E-03	2.38E-01	1.08E-01	2.76E-01	6.27E-01
7.00E-01	3.64E-03	2.31E-01	9.12E-02	2.94E-01	6.19E-01
8.00E-01	3.63E-03	2.24E-01	7.67E-02	3.05E-01	6.10E-01
9.00E-01	3.63E-03	2.19E-01	6.45E-02	3.12E-01	5.99E-01
1.00E+00	3.63E-03	2.13E-01	5.42E-02	3.15E-01	5.87E-01
2.00E+00	3.63E-03	1.80E-01	9.59E-03	2.32E-01	4.26E-01
3.00E+00	3.64E-03	1.65E-01	1.70E-03	1.25E-01	2.95E-01
4.00E+00	3.65E-03	1.57E-01	3.00E-04	6.07E-02	2.21E-01
5.00E+00	3.66E-03	1.53E-01	5.30E-05	2.86E-02	1.85E-01
6.00E+00	3.66E-03	1.51E-01	9.37E-06	1.34E-02	1.68E-01
7.00E+00	3.67E-03	1.49E-01	1.66E-06	6.44E-03	1.60E-01
8.00E+00	3.67E-03	1.49E-01	2.93E-07	3.18E-03	1.56E-01
9.00E+00	3.68E-03	1.48E-01	5.17E-08	1.65E-03	1.54E-01
1.00E+01	3.69E-03	1.48E-01	0.00E+00	9.20E-04	1.53E-01
2.00E+01	3.78E-03	1.46E-01	0.00E+00	2.36E-04	1.50E-01
3.00E+01	3.90E-03	1.45E-01	0.00E+00	2.32E-04	1.49E-01
4.00E+01	4.03E-03	1.43E-01	0.00E+00	2.29E-04	1.48E-01
5.00E+01	4.16E-03	1.42E-01	0.00E+00	2.26E-04	1.46E-01
6.00E+01	4.30E-03	1.41E-01	0.00E+00	2.23E-04	1.45E-01
7.00E+01	4.44E-03	1.39E-01	0.00E+00	2.20E-04	1.44E-01
8.00E+01	4.59E-03	1.38E-01	0.00E+00	2.17E-04	1.42E-01
9.00E+01	4.73E-03	1.36E-01	0.00E+00	2.14E-04	1.41E-01
1.00E+02	4.87E-03	1.35E-01	0.00E+00	2.11E-04	1.40E-01
2.00E+02	6.31E-03	1.22E-01	0.00E+00	1.84E-04	1.28E-01
3.00E+02	7.74E-03	1.10E-01	0.00E+00	1.60E-04	1.18E-01
4.00E+02	9.15E-03	9.98E-02	0.00E+00	1.39E-04	1.09E-01
5.00E+02	1.05E-02	9.06E-02	0.00E+00	1.21E-04	1.01E-01
6.00E+02	1.18E-02	8.23E-02	0.00E+00	1.05E-04	9.42E-02
7.00E+02	1.31E-02	7.49E-02	0.00E+00	9.18E-05	8.81E-02
8.00E+02	1.43E-02	6.83E-02	0.00E+00	7.99E-05	8.27E-02
9.00E+02	1.54E-02	6.23E-02	0.00E+00	6.96E-05	7.79E-02
1.00E+03	1.65E-02	5.70E-02	0.00E+00	6.06E-05	7.36E-02
2.00E+03	2.34E-02	2.55E-02	0.00E+00	1.51E-05	4.89E-02
3.00E+03	2.48E-02	1.34E-02	0.00E+00	3.78E-06	3.82E-02
4.00E+03	2.34E-02	8.25E-03	0.00E+00	9.46E-07	3.16E-02
5.00E+03	2.07E-02	5.92E-03	0.00E+00	2.37E-07	2.67E-02
7.00E+03	1.50E-02	4.27E-03	0.00E+00	1.48E-08	1.93E-02
8.00E+03	1.25E-02	4.00E-03	0.00E+00	0.00E+00	1.65E-02
9.00E+03	1.04E-02	3.87E-03	0.00E+00	0.00E+00	1.42E-02
1.00E+04	8.55E-03	3.80E-03	0.00E+00	0.00E+00	1.24E-02
2.00E+04	1.19E-03	3.74E-03	0.00E+00	0.00E+00	4.93E-03

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		8.33E-05		1.04E-05
2.00E-01		1.59E-04		2.10E-04
3.00E-01		2.18E-04		1.06E-03
4.00E-01		2.63E-04		3.07E-03
5.00E-01		2.98E-04		6.67E-03
6.00E-01		3.25E-04		1.21E-02
7.00E-01		3.46E-04		1.94E-02
8.00E-01		3.62E-04		2.86E-02
9.00E-01		3.76E-04		3.96E-02
1.00E+00	3.86E-04	3.86E-04	5.21E-02	5.21E-02
2.00E+00	4.42E-05	4.30E-04	1.61E-01	2.13E-01
3.00E+00	1.74E-05	4.48E-04	1.31E-01	3.44E-01
4.00E+00	1.43E-05	4.62E-04	7.36E-02	4.17E-01
5.00E+00	1.32E-05	4.75E-04	3.64E-02	4.54E-01
6.00E+00	1.24E-05	4.88E-04	1.73E-02	4.71E-01
7.00E+00	1.18E-05	4.99E-04	8.13E-03	4.79E-01
8.00E+00	1.12E-05	5.11E-04	3.88E-03	4.83E-01
9.00E+00	1.06E-05	5.21E-04	1.91E-03	4.85E-01
1.00E+01	1.02E-05	5.31E-04	9.85E-04	4.86E-01
2.00E+01	6.77E-06	6.12E-04	1.36E-04	4.88E-01
3.00E+01	5.10E-06	6.70E-04	1.33E-04	4.89E-01
4.00E+01	4.28E-06	7.16E-04	1.31E-04	4.91E-01
5.00E+01	3.89E-06	7.56E-04	1.29E-04	4.92E-01
7.00E+01	3.65E-06	8.31E-04	1.26E-04	4.95E-01
8.00E+01	3.63E-06	8.67E-04	1.24E-04	4.96E-01
9.00E+01	3.64E-06	9.04E-04	1.22E-04	4.97E-01
1.00E+02	3.67E-06	9.40E-04	1.21E-04	4.98E-01
2.00E+02	4.00E-06	1.32E-03	1.05E-04	5.10E-01
3.00E+02	4.31E-06	1.74E-03	9.14E-05	5.19E-01
4.00E+02	4.58E-06	2.18E-03	7.96E-05	5.28E-01
5.00E+02	4.83E-06	2.66E-03	6.93E-05	5.35E-01
7.00E+02	5.23E-06	3.66E-03	5.25E-05	5.47E-01
8.00E+02	5.40E-06	4.20E-03	4.57E-05	5.52E-01
9.00E+02	5.55E-06	4.74E-03	3.98E-05	5.57E-01
1.00E+03	5.67E-06	5.30E-03	3.47E-05	5.60E-01
2.00E+03	6.11E-06	1.13E-02	8.66E-06	5.79E-01
3.00E+03	5.73E-06	1.72E-02	2.17E-06	5.84E-01
4.00E+03	5.05E-06	2.27E-02	5.41E-07	5.85E-01
5.00E+03	4.32E-06	2.73E-02	1.35E-07	5.85E-01
7.00E+03	3.03E-06	3.46E-02	0.00E+00	5.85E-01
8.00E+03	2.51E-06	3.74E-02	0.00E+00	5.85E-01
9.00E+03	2.07E-06	3.97E-02	0.00E+00	5.85E-01
1.00E+04	1.70E-06	4.15E-02	0.00E+00	5.85E-01
2.00E+04	2.36E-07	4.90E-02	0.00E+00	5.85E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	3.82E-03	3.04E-01	2.58E-01	7.31E-02	6.39E-01
2.00E-01	3.76E-03	2.85E-01	2.17E-01	1.33E-01	6.39E-01
3.00E-01	3.72E-03	2.70E-01	1.82E-01	1.82E-01	6.38E-01
4.00E-01	3.69E-03	2.57E-01	1.53E-01	2.21E-01	6.36E-01
5.00E-01	3.67E-03	2.47E-01	1.29E-01	2.52E-01	6.32E-01
6.00E-01	3.66E-03	2.38E-01	1.08E-01	2.76E-01	6.27E-01
7.00E-01	3.65E-03	2.31E-01	9.12E-02	2.94E-01	6.19E-01
8.00E-01	3.65E-03	2.24E-01	7.67E-02	3.05E-01	6.10E-01
9.00E-01	3.64E-03	2.19E-01	6.45E-02	3.12E-01	5.99E-01
1.00E+00	3.64E-03	2.13E-01	5.42E-02	3.15E-01	5.87E-01
2.00E+00	3.66E-03	1.80E-01	9.59E-03	2.32E-01	4.26E-01
3.00E+00	3.68E-03	1.65E-01	1.70E-03	1.25E-01	2.95E-01
4.00E+00	3.70E-03	1.57E-01	3.00E-04	6.07E-02	2.21E-01
5.00E+00	3.71E-03	1.53E-01	5.30E-05	2.86E-02	1.85E-01
6.00E+00	3.73E-03	1.51E-01	9.37E-06	1.34E-02	1.68E-01
7.00E+00	3.75E-03	1.49E-01	1.66E-06	6.44E-03	1.60E-01
8.00E+00	3.76E-03	1.49E-01	2.93E-07	3.18E-03	1.56E-01
9.00E+00	3.78E-03	1.48E-01	5.17E-08	1.65E-03	1.54E-01
1.00E+01	3.79E-03	1.48E-01	0.00E+00	9.20E-04	1.53E-01
2.00E+01	3.94E-03	1.46E-01	0.00E+00	2.36E-04	1.51E-01
3.00E+01	4.09E-03	1.45E-01	0.00E+00	2.32E-04	1.49E-01
4.00E+01	4.24E-03	1.43E-01	0.00E+00	2.29E-04	1.48E-01
5.00E+01	4.39E-03	1.42E-01	0.00E+00	2.26E-04	1.47E-01
6.00E+01	4.54E-03	1.41E-01	0.00E+00	2.23E-04	1.45E-01
7.00E+01	4.69E-03	1.39E-01	0.00E+00	2.20E-04	1.44E-01
8.00E+01	4.84E-03	1.38E-01	0.00E+00	2.17E-04	1.43E-01
9.00E+01	4.99E-03	1.36E-01	0.00E+00	2.14E-04	1.41E-01
1.00E+02	5.15E-03	1.35E-01	0.00E+00	2.11E-04	1.40E-01
2.00E+02	6.67E-03	1.22E-01	0.00E+00	1.84E-04	1.29E-01
3.00E+02	8.18E-03	1.10E-01	0.00E+00	1.60E-04	1.19E-01
4.00E+02	9.67E-03	9.98E-02	0.00E+00	1.39E-04	1.10E-01
5.00E+02	1.11E-02	9.06E-02	0.00E+00	1.21E-04	1.02E-01
6.00E+02	1.25E-02	8.23E-02	0.00E+00	1.05E-04	9.49E-02
7.00E+02	1.39E-02	7.49E-02	0.00E+00	9.18E-05	8.89E-02
8.00E+02	1.51E-02	6.83E-02	0.00E+00	7.99E-05	8.35E-02
9.00E+02	1.63E-02	6.23E-02	0.00E+00	6.96E-05	7.88E-02
1.00E+03	1.75E-02	5.70E-02	0.00E+00	6.06E-05	7.45E-02
2.00E+03	2.47E-02	2.55E-02	0.00E+00	1.51E-05	5.02E-02
3.00E+03	2.63E-02	1.34E-02	0.00E+00	3.78E-06	3.97E-02
4.00E+03	2.48E-02	8.25E-03	0.00E+00	9.46E-07	3.30E-02
5.00E+03	2.20E-02	5.92E-03	0.00E+00	2.37E-07	2.79E-02
7.00E+03	1.59E-02	4.27E-03	0.00E+00	1.48E-08	2.02E-02
8.00E+03	1.32E-02	4.00E-03	0.00E+00	0.00E+00	1.72E-02
9.00E+03	1.10E-02	3.87E-03	0.00E+00	0.00E+00	1.48E-02
1.00E+04	9.06E-03	3.80E-03	0.00E+00	0.00E+00	1.29E-02
2.00E+04	1.26E-03	3.74E-03	0.00E+00	0.00E+00	5.00E-03

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		8.22E-05		1.04E-05
2.00E-01		1.57E-04		2.10E-04
3.00E-01		2.14E-04		1.06E-03
4.00E-01		2.58E-04		3.07E-03
5.00E-01		2.91E-04		6.67E-03
6.00E-01		3.17E-04		1.21E-02
7.00E-01		3.37E-04		1.94E-02
8.00E-01		3.52E-04		2.86E-02
9.00E-01		3.64E-04		3.96E-02
1.00E+00	3.73E-04	3.73E-04	5.21E-02	5.21E-02
2.00E+00	3.16E-05	4.05E-04	1.61E-01	2.13E-01
3.00E+00	5.55E-06	4.10E-04	1.31E-01	3.44E-01
4.00E+00	3.09E-06	4.13E-04	7.36E-02	4.17E-01
5.00E+00	2.69E-06	4.16E-04	3.64E-02	4.54E-01
6.00E+00	2.57E-06	4.19E-04	1.73E-02	4.71E-01
7.00E+00	2.52E-06	4.21E-04	8.13E-03	4.79E-01
8.00E+00	2.50E-06	4.24E-04	3.88E-03	4.83E-01
9.00E+00	2.50E-06	4.26E-04	1.91E-03	4.85E-01
1.00E+01	2.49E-06	4.29E-04	9.85E-04	4.86E-01
2.00E+01	2.52E-06	4.54E-04	1.36E-04	4.88E-01
3.00E+01	2.56E-06	4.79E-04	1.33E-04	4.89E-01
4.00E+01	2.60E-06	5.05E-04	1.31E-04	4.91E-01
5.00E+01	2.64E-06	5.31E-04	1.29E-04	4.92E-01
7.00E+01	2.71E-06	5.85E-04	1.26E-04	4.95E-01
8.00E+01	2.74E-06	6.12E-04	1.24E-04	4.96E-01
9.00E+01	2.78E-06	6.40E-04	1.22E-04	4.97E-01
1.00E+02	2.82E-06	6.68E-04	1.21E-04	4.98E-01
2.00E+02	3.16E-06	9.66E-04	1.05E-04	5.10E-01
3.00E+02	3.47E-06	1.30E-03	9.14E-05	5.19E-01
4.00E+02	3.76E-06	1.66E-03	7.96E-05	5.28E-01
5.00E+02	4.03E-06	2.05E-03	6.93E-05	5.35E-01
7.00E+02	4.50E-06	2.91E-03	5.25E-05	5.47E-01
8.00E+02	4.71E-06	3.37E-03	4.57E-05	5.52E-01
9.00E+02	4.89E-06	3.85E-03	3.98E-05	5.57E-01
1.00E+03	5.06E-06	4.34E-03	3.47E-05	5.60E-01
2.00E+03	5.88E-06	9.93E-03	8.66E-06	5.79E-01
3.00E+03	5.74E-06	1.58E-02	2.17E-06	5.84E-01
4.00E+03	5.18E-06	2.13E-02	5.41E-07	5.85E-01
5.00E+03	4.49E-06	2.61E-02	1.35E-07	5.85E-01
7.00E+03	3.18E-06	3.38E-02	0.00E+00	5.85E-01
8.00E+03	2.64E-06	3.67E-02	0.00E+00	5.85E-01
9.00E+03	2.18E-06	3.91E-02	0.00E+00	5.85E-01
1.00E+04	1.80E-06	4.10E-02	0.00E+00	5.85E-01
2.00E+04	2.50E-07	4.89E-02	0.00E+00	5.85E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	3.82E-03	3.04E-01	2.58E-01	7.31E-02	6.39E-01
2.00E-01	3.76E-03	2.85E-01	2.17E-01	1.33E-01	6.39E-01
3.00E-01	3.72E-03	2.70E-01	1.82E-01	1.82E-01	6.38E-01
4.00E-01	3.69E-03	2.57E-01	1.53E-01	2.21E-01	6.36E-01
5.00E-01	3.67E-03	2.47E-01	1.29E-01	2.52E-01	6.32E-01
6.00E-01	3.66E-03	2.38E-01	1.08E-01	2.76E-01	6.26E-01
7.00E-01	3.65E-03	2.31E-01	9.12E-02	2.93E-01	6.19E-01
8.00E-01	3.64E-03	2.24E-01	7.67E-02	3.05E-01	6.10E-01
9.00E-01	3.64E-03	2.18E-01	6.45E-02	3.12E-01	5.99E-01
1.00E+00	3.64E-03	2.13E-01	5.42E-02	3.15E-01	5.86E-01
2.00E+00	3.65E-03	1.80E-01	9.58E-03	2.32E-01	4.25E-01
3.00E+00	3.67E-03	1.64E-01	1.69E-03	1.25E-01	2.94E-01
4.00E+00	3.69E-03	1.56E-01	2.99E-04	6.05E-02	2.21E-01
5.00E+00	3.70E-03	1.52E-01	5.28E-05	2.85E-02	1.84E-01
6.00E+00	3.71E-03	1.50E-01	9.32E-06	1.34E-02	1.67E-01
7.00E+00	3.73E-03	1.49E-01	1.65E-06	6.40E-03	1.59E-01
8.00E+00	3.74E-03	1.48E-01	2.91E-07	3.16E-03	1.55E-01
9.00E+00	3.75E-03	1.47E-01	5.14E-08	1.64E-03	1.53E-01
1.00E+01	3.76E-03	1.47E-01	0.00E+00	9.14E-04	1.52E-01
2.00E+01	3.88E-03	1.44E-01	0.00E+00	2.33E-04	1.48E-01
3.00E+01	4.00E-03	1.42E-01	0.00E+00	2.27E-04	1.46E-01
4.00E+01	4.12E-03	1.39E-01	0.00E+00	2.23E-04	1.44E-01
5.00E+01	4.23E-03	1.37E-01	0.00E+00	2.18E-04	1.41E-01
6.00E+01	4.35E-03	1.35E-01	0.00E+00	2.13E-04	1.39E-01
7.00E+01	4.46E-03	1.32E-01	0.00E+00	2.09E-04	1.37E-01
8.00E+01	4.57E-03	1.30E-01	0.00E+00	2.05E-04	1.35E-01
9.00E+01	4.68E-03	1.28E-01	0.00E+00	2.00E-04	1.33E-01
1.00E+02	4.79E-03	1.25E-01	0.00E+00	1.96E-04	1.30E-01
2.00E+02	5.77E-03	1.05E-01	0.00E+00	1.59E-04	1.11E-01
3.00E+02	6.58E-03	8.87E-02	0.00E+00	1.29E-04	9.54E-02
4.00E+02	7.24E-03	7.47E-02	0.00E+00	1.04E-04	8.21E-02
5.00E+02	7.75E-03	6.31E-02	0.00E+00	8.43E-05	7.09E-02
6.00E+02	8.11E-03	5.33E-02	0.00E+00	6.83E-05	6.15E-02
7.00E+02	8.35E-03	4.51E-02	0.00E+00	5.53E-05	5.35E-02
8.00E+02	8.48E-03	3.83E-02	0.00E+00	4.48E-05	4.68E-02
9.00E+02	8.52E-03	3.25E-02	0.00E+00	3.63E-05	4.10E-02
1.00E+03	8.47E-03	2.76E-02	0.00E+00	2.94E-05	3.61E-02
2.00E+03	5.82E-03	5.99E-03	0.00E+00	3.56E-06	1.18E-02
3.00E+03	3.00E-03	1.52E-03	0.00E+00	4.31E-07	4.52E-03
4.00E+03	1.37E-03	4.56E-04	0.00E+00	5.23E-08	1.82E-03
5.00E+03	5.89E-04	1.59E-04	0.00E+00	0.00E+00	7.47E-04
6.00E+03	2.45E-04	6.25E-05	0.00E+00	0.00E+00	3.07E-04
7.00E+03	1.00E-04	2.69E-05	0.00E+00	0.00E+00	1.27E-04
8.00E+03	4.05E-05	1.22E-05	0.00E+00	0.00E+00	5.27E-05
9.00E+03	1.63E-05	5.73E-06	0.00E+00	0.00E+00	2.20E-05
1.00E+04	6.50E-06	2.73E-06	0.00E+00	0.00E+00	9.23E-06

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		8.22E-05		1.04E-05
2.00E-01		1.57E-04		2.10E-04
3.00E-01		2.14E-04		1.06E-03
4.00E-01		2.58E-04		3.07E-03
5.00E-01		2.91E-04		6.66E-03
6.00E-01		3.17E-04		1.21E-02
7.00E-01		3.36E-04		1.94E-02
8.00E-01		3.52E-04		2.86E-02
9.00E-01		3.64E-04		3.96E-02
1.00E+00	3.73E-04	3.73E-04	5.20E-02	5.20E-02
2.00E+00	3.15E-05	4.04E-04	1.61E-01	2.13E-01
3.00E+00	5.54E-06	4.09E-04	1.31E-01	3.43E-01
4.00E+00	3.08E-06	4.12E-04	7.34E-02	4.16E-01
5.00E+00	2.68E-06	4.15E-04	3.63E-02	4.52E-01
6.00E+00	2.56E-06	4.17E-04	1.72E-02	4.69E-01
7.00E+00	2.51E-06	4.19E-04	8.09E-03	4.77E-01
8.00E+00	2.49E-06	4.21E-04	3.86E-03	4.80E-01
9.00E+00	2.48E-06	4.23E-04	1.90E-03	4.82E-01
1.00E+01	2.48E-06	4.25E-04	9.78E-04	4.82E-01
2.00E+01	2.49E-06	4.47E-04	1.34E-04	4.81E-01
3.00E+01	2.51E-06	4.69E-04	1.30E-04	4.79E-01
4.00E+01	2.52E-06	4.91E-04	1.27E-04	4.77E-01
5.00E+01	2.54E-06	5.12E-04	1.25E-04	4.75E-01
6.00E+01	2.56E-06	5.34E-04	1.22E-04	4.72E-01
7.00E+01	2.57E-06	5.56E-04	1.20E-04	4.70E-01
8.00E+01	2.59E-06	5.77E-04	1.17E-04	4.68E-01
9.00E+01	2.60E-06	5.99E-04	1.15E-04	4.66E-01
1.00E+02	2.62E-06	6.21E-04	1.12E-04	4.63E-01
2.00E+02	2.73E-06	8.36E-04	9.09E-05	4.41E-01
3.00E+02	2.79E-06	1.04E-03	7.36E-05	4.18E-01
4.00E+02	2.82E-06	1.24E-03	5.96E-05	3.95E-01
5.00E+02	2.81E-06	1.43E-03	4.83E-05	3.73E-01
6.00E+02	2.77E-06	1.60E-03	3.91E-05	3.51E-01
7.00E+02	2.71E-06	1.75E-03	3.16E-05	3.30E-01
8.00E+02	2.64E-06	1.89E-03	2.56E-05	3.09E-01
9.00E+02	2.55E-06	2.01E-03	2.07E-05	2.90E-01
1.00E+03	2.45E-06	2.11E-03	1.68E-05	2.72E-01
2.00E+03	1.38E-06	2.33E-03	2.04E-06	1.36E-01
3.00E+03	6.55E-07	1.80E-03	2.47E-07	6.65E-02
4.00E+03	2.87E-07	1.18E-03	2.99E-08	3.23E-02
5.00E+03	1.20E-07	7.00E-04	0.00E+00	1.57E-02
6.00E+03	4.95E-08	3.93E-04	0.00E+00	7.60E-03
7.00E+03	2.01E-08	2.13E-04	0.00E+00	3.69E-03

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	3.59E-03	3.04E-01	2.58E-01	7.31E-02	6.39E-01
2.00E-01	3.32E-03	2.85E-01	2.17E-01	1.33E-01	6.38E-01
3.00E-01	3.10E-03	2.70E-01	1.82E-01	1.82E-01	6.37E-01
4.00E-01	2.93E-03	2.57E-01	1.53E-01	2.21E-01	6.35E-01
5.00E-01	2.79E-03	2.47E-01	1.29E-01	2.52E-01	6.31E-01
6.00E-01	2.68E-03	2.38E-01	1.08E-01	2.76E-01	6.26E-01
7.00E-01	2.60E-03	2.31E-01	9.12E-02	2.94E-01	6.18E-01
8.00E-01	2.53E-03	2.24E-01	7.67E-02	3.05E-01	6.09E-01
9.00E-01	2.47E-03	2.19E-01	6.45E-02	3.12E-01	5.98E-01
1.00E+00	2.43E-03	2.13E-01	5.42E-02	3.15E-01	5.85E-01
2.00E+00	2.27E-03	1.80E-01	9.59E-03	2.32E-01	4.25E-01
3.00E+00	2.26E-03	1.65E-01	1.70E-03	1.25E-01	2.94E-01
4.00E+00	2.27E-03	1.57E-01	3.00E-04	6.07E-02	2.20E-01
5.00E+00	2.27E-03	1.53E-01	5.30E-05	2.86E-02	1.84E-01
6.00E+00	2.28E-03	1.51E-01	9.37E-06	1.34E-02	1.66E-01
7.00E+00	2.28E-03	1.49E-01	1.66E-06	6.44E-03	1.58E-01
8.00E+00	2.29E-03	1.49E-01	2.93E-07	3.18E-03	1.54E-01
9.00E+00	2.29E-03	1.48E-01	5.17E-08	1.65E-03	1.52E-01
1.00E+01	2.30E-03	1.48E-01	0.00E+00	9.20E-04	1.51E-01
2.00E+01	2.37E-03	1.46E-01	0.00E+00	2.36E-04	1.49E-01
3.00E+01	2.45E-03	1.45E-01	0.00E+00	2.32E-04	1.48E-01
4.00E+01	2.53E-03	1.43E-01	0.00E+00	2.29E-04	1.46E-01
5.00E+01	2.62E-03	1.42E-01	0.00E+00	2.26E-04	1.45E-01
6.00E+01	2.71E-03	1.41E-01	0.00E+00	2.23E-04	1.43E-01
7.00E+01	2.80E-03	1.39E-01	0.00E+00	2.20E-04	1.42E-01
8.00E+01	2.89E-03	1.38E-01	0.00E+00	2.17E-04	1.41E-01
9.00E+01	2.98E-03	1.36E-01	0.00E+00	2.14E-04	1.39E-01
1.00E+02	3.07E-03	1.35E-01	0.00E+00	2.11E-04	1.38E-01
2.00E+02	3.97E-03	1.22E-01	0.00E+00	1.84E-04	1.26E-01
3.00E+02	4.87E-03	1.10E-01	0.00E+00	1.60E-04	1.15E-01
4.00E+02	5.76E-03	9.98E-02	0.00E+00	1.39E-04	1.06E-01
5.00E+02	6.62E-03	9.06E-02	0.00E+00	1.21E-04	9.73E-02
6.00E+02	7.45E-03	8.23E-02	0.00E+00	1.05E-04	8.99E-02
7.00E+02	8.25E-03	7.49E-02	0.00E+00	9.18E-05	8.32E-02
8.00E+02	9.01E-03	6.83E-02	0.00E+00	7.99E-05	7.74E-02
9.00E+02	9.72E-03	6.23E-02	0.00E+00	6.96E-05	7.21E-02
1.00E+03	1.04E-02	5.70E-02	0.00E+00	6.06E-05	6.75E-02
2.00E+03	1.47E-02	2.55E-02	0.00E+00	1.51E-05	4.02E-02
3.00E+03	1.56E-02	1.34E-02	0.00E+00	3.78E-06	2.90E-02
4.00E+03	1.47E-02	8.25E-03	0.00E+00	9.46E-07	2.30E-02
5.00E+03	1.31E-02	5.92E-03	0.00E+00	2.37E-07	1.90E-02
7.00E+03	9.45E-03	4.27E-03	0.00E+00	1.48E-08	1.37E-02
8.00E+03	7.88E-03	4.00E-03	0.00E+00	0.00E+00	1.19E-02
9.00E+03	6.52E-03	3.87E-03	0.00E+00	0.00E+00	1.04E-02
1.00E+04	5.38E-03	3.80E-03	0.00E+00	0.00E+00	9.19E-03
2.00E+04	7.50E-04	3.74E-03	0.00E+00	0.00E+00	4.49E-03

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		3.06E-04		1.04E-05
2.00E-01		5.98E-04		2.10E-04
3.00E-01		8.32E-04		1.06E-03
4.00E-01		1.02E-03		3.07E-03
5.00E-01		1.17E-03		6.67E-03
6.00E-01		1.29E-03		1.21E-02
7.00E-01		1.39E-03		1.94E-02
8.00E-01		1.47E-03		2.86E-02
9.00E-01		1.54E-03		3.96E-02
1.00E+00	1.59E-03	1.59E-03	5.21E-02	5.21E-02
2.00E+00	2.04E-04	1.79E-03	1.61E-01	2.13E-01
3.00E+00	3.82E-05	1.83E-03	1.31E-01	3.44E-01
4.00E+00	1.71E-05	1.85E-03	7.36E-02	4.17E-01
5.00E+00	1.36E-05	1.86E-03	3.64E-02	4.54E-01
6.00E+00	1.26E-05	1.87E-03	1.73E-02	4.71E-01
7.00E+00	1.21E-05	1.89E-03	8.13E-03	4.79E-01
8.00E+00	1.18E-05	1.90E-03	3.88E-03	4.83E-01
9.00E+00	1.15E-05	1.91E-03	1.91E-03	4.85E-01
1.00E+01	1.13E-05	1.92E-03	9.85E-04	4.86E-01
2.00E+01	9.95E-06	2.02E-03	1.36E-04	4.88E-01
3.00E+01	9.32E-06	2.12E-03	1.33E-04	4.89E-01
4.00E+01	9.03E-06	2.21E-03	1.31E-04	4.91E-01
5.00E+01	8.91E-06	2.30E-03	1.29E-04	4.92E-01
7.00E+01	8.87E-06	2.48E-03	1.26E-04	4.95E-01
8.00E+01	8.90E-06	2.57E-03	1.24E-04	4.96E-01
9.00E+01	8.93E-06	2.66E-03	1.22E-04	4.97E-01
1.00E+02	8.97E-06	2.75E-03	1.21E-04	4.98E-01
2.00E+02	9.33E-06	3.66E-03	1.05E-04	5.10E-01
3.00E+02	9.58E-06	4.61E-03	9.14E-05	5.19E-01
4.00E+02	9.74E-06	5.57E-03	7.96E-05	5.28E-01
5.00E+02	9.83E-06	6.55E-03	6.93E-05	5.35E-01
7.00E+02	9.82E-06	8.52E-03	5.25E-05	5.47E-01
8.00E+02	9.74E-06	9.50E-03	4.57E-05	5.52E-01
9.00E+02	9.63E-06	1.05E-02	3.98E-05	5.57E-01
1.00E+03	9.49E-06	1.14E-02	3.47E-05	5.60E-01
2.00E+03	7.48E-06	2.00E-02	8.66E-06	5.79E-01
3.00E+03	5.59E-06	2.65E-02	2.17E-06	5.84E-01
4.00E+03	4.22E-06	3.13E-02	5.41E-07	5.85E-01
5.00E+03	3.25E-06	3.50E-02	1.35E-07	5.85E-01
7.00E+03	2.04E-06	4.02E-02	0.00E+00	5.85E-01
8.00E+03	1.64E-06	4.20E-02	0.00E+00	5.85E-01
9.00E+03	1.33E-06	4.35E-02	0.00E+00	5.85E-01
1.00E+04	1.09E-06	4.47E-02	0.00E+00	5.85E-01
2.00E+04	1.49E-07	4.94E-02	0.00E+00	5.85E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	3.64E-03	3.04E-01	2.58E-01	7.31E-02	6.39E-01
2.00E-01	3.41E-03	2.85E-01	2.17E-01	1.33E-01	6.38E-01
3.00E-01	3.23E-03	2.70E-01	1.82E-01	1.82E-01	6.37E-01
4.00E-01	3.09E-03	2.57E-01	1.53E-01	2.21E-01	6.35E-01
5.00E-01	2.98E-03	2.47E-01	1.29E-01	2.52E-01	6.31E-01
6.00E-01	2.89E-03	2.38E-01	1.08E-01	2.76E-01	6.26E-01
7.00E-01	2.82E-03	2.31E-01	9.12E-02	2.94E-01	6.19E-01
8.00E-01	2.76E-03	2.24E-01	7.67E-02	3.05E-01	6.09E-01
9.00E-01	2.72E-03	2.19E-01	6.45E-02	3.12E-01	5.98E-01
1.00E+00	2.68E-03	2.13E-01	5.42E-02	3.15E-01	5.86E-01
2.00E+00	2.56E-03	1.80E-01	9.59E-03	2.32E-01	4.25E-01
3.00E+00	2.56E-03	1.65E-01	1.70E-03	1.25E-01	2.94E-01
4.00E+00	2.57E-03	1.57E-01	3.00E-04	6.07E-02	2.20E-01
5.00E+00	2.58E-03	1.53E-01	5.30E-05	2.86E-02	1.84E-01
6.00E+00	2.59E-03	1.51E-01	9.37E-06	1.34E-02	1.67E-01
7.00E+00	2.60E-03	1.49E-01	1.66E-06	6.44E-03	1.58E-01
8.00E+00	2.61E-03	1.49E-01	2.93E-07	3.18E-03	1.55E-01
9.00E+00	2.61E-03	1.48E-01	5.17E-08	1.65E-03	1.53E-01
1.00E+01	2.62E-03	1.48E-01	0.00E+00	9.20E-04	1.52E-01
2.00E+01	2.72E-03	1.46E-01	0.00E+00	2.36E-04	1.49E-01
3.00E+01	2.82E-03	1.45E-01	0.00E+00	2.32E-04	1.48E-01
4.00E+01	2.93E-03	1.43E-01	0.00E+00	2.29E-04	1.47E-01
5.00E+01	3.03E-03	1.42E-01	0.00E+00	2.26E-04	1.45E-01
6.00E+01	3.13E-03	1.41E-01	0.00E+00	2.23E-04	1.44E-01
7.00E+01	3.24E-03	1.39E-01	0.00E+00	2.20E-04	1.43E-01
8.00E+01	3.34E-03	1.38E-01	0.00E+00	2.17E-04	1.41E-01
9.00E+01	3.44E-03	1.36E-01	0.00E+00	2.14E-04	1.40E-01
1.00E+02	3.55E-03	1.35E-01	0.00E+00	2.11E-04	1.39E-01
2.00E+02	4.60E-03	1.22E-01	0.00E+00	1.84E-04	1.27E-01
3.00E+02	5.64E-03	1.10E-01	0.00E+00	1.60E-04	1.16E-01
4.00E+02	6.67E-03	9.98E-02	0.00E+00	1.39E-04	1.07E-01
5.00E+02	7.67E-03	9.06E-02	0.00E+00	1.21E-04	9.84E-02
6.00E+02	8.63E-03	8.23E-02	0.00E+00	1.05E-04	9.10E-02
7.00E+02	9.56E-03	7.49E-02	0.00E+00	9.18E-05	8.45E-02
8.00E+02	1.04E-02	6.83E-02	0.00E+00	7.99E-05	7.88E-02
9.00E+02	1.13E-02	6.23E-02	0.00E+00	6.96E-05	7.37E-02
1.00E+03	1.20E-02	5.70E-02	0.00E+00	6.06E-05	6.91E-02
2.00E+03	1.70E-02	2.55E-02	0.00E+00	1.51E-05	4.25E-02
3.00E+03	1.81E-02	1.34E-02	0.00E+00	3.78E-06	3.15E-02
4.00E+03	1.71E-02	8.25E-03	0.00E+00	9.46E-07	2.53E-02
5.00E+03	1.51E-02	5.92E-03	0.00E+00	2.37E-07	2.10E-02
7.00E+03	1.09E-02	4.27E-03	0.00E+00	1.48E-08	1.52E-02
8.00E+03	9.13E-03	4.00E-03	0.00E+00	0.00E+00	1.31E-02
9.00E+03	7.56E-03	3.87E-03	0.00E+00	0.00E+00	1.14E-02
1.00E+04	6.24E-03	3.80E-03	0.00E+00	0.00E+00	1.00E-02
2.00E+04	8.69E-04	3.74E-03	0.00E+00	0.00E+00	4.61E-03

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		2.58E-04		1.04E-05
2.00E-01		5.03E-04		2.10E-04
3.00E-01		7.00E-04		1.06E-03
4.00E-01		8.58E-04		3.07E-03
5.00E-01		9.85E-04		6.67E-03
6.00E-01		1.09E-03		1.21E-02
7.00E-01		1.17E-03		1.94E-02
8.00E-01		1.24E-03		2.86E-02
9.00E-01		1.29E-03		3.96E-02
1.00E+00	1.34E-03	1.34E-03	5.21E-02	5.21E-02
2.00E+00	1.69E-04	1.50E-03	1.61E-01	2.13E-01
3.00E+00	2.95E-05	1.53E-03	1.31E-01	3.44E-01
4.00E+00	1.19E-05	1.55E-03	7.36E-02	4.17E-01
5.00E+00	9.11E-06	1.55E-03	3.64E-02	4.54E-01
6.00E+00	8.42E-06	1.56E-03	1.73E-02	4.71E-01
7.00E+00	8.14E-06	1.57E-03	8.13E-03	4.79E-01
8.00E+00	7.99E-06	1.58E-03	3.88E-03	4.83E-01
9.00E+00	7.90E-06	1.59E-03	1.91E-03	4.85E-01
1.00E+01	7.83E-06	1.59E-03	9.85E-04	4.86E-01
2.00E+01	7.51E-06	1.67E-03	1.36E-04	4.88E-01
3.00E+01	7.39E-06	1.75E-03	1.33E-04	4.89E-01
4.00E+01	7.35E-06	1.82E-03	1.31E-04	4.91E-01
5.00E+01	7.36E-06	1.89E-03	1.29E-04	4.92E-01
7.00E+01	7.42E-06	2.04E-03	1.26E-04	4.95E-01
8.00E+01	7.45E-06	2.11E-03	1.24E-04	4.96E-01
9.00E+01	7.49E-06	2.19E-03	1.22E-04	4.97E-01
1.00E+02	7.53E-06	2.26E-03	1.21E-04	4.98E-01
2.00E+02	7.89E-06	3.04E-03	1.05E-04	5.10E-01
3.00E+02	8.16E-06	3.84E-03	9.14E-05	5.19E-01
4.00E+02	8.35E-06	4.67E-03	7.96E-05	5.28E-01
5.00E+02	8.48E-06	5.51E-03	6.93E-05	5.35E-01
7.00E+02	8.58E-06	7.22E-03	5.25E-05	5.47E-01
8.00E+02	8.57E-06	8.07E-03	4.57E-05	5.52E-01
9.00E+02	8.53E-06	8.93E-03	3.98E-05	5.57E-01
1.00E+03	8.46E-06	9.78E-03	3.47E-05	5.60E-01
2.00E+03	7.11E-06	1.76E-02	8.66E-06	5.79E-01
3.00E+03	5.63E-06	2.40E-02	2.17E-06	5.84E-01
4.00E+03	4.44E-06	2.90E-02	5.41E-07	5.85E-01
5.00E+03	3.54E-06	3.30E-02	1.35E-07	5.85E-01
7.00E+03	2.31E-06	3.87E-02	0.00E+00	5.85E-01
8.00E+03	1.88E-06	4.08E-02	0.00E+00	5.85E-01
9.00E+03	1.53E-06	4.25E-02	0.00E+00	5.85E-01
1.00E+04	1.25E-06	4.39E-02	0.00E+00	5.85E-01
2.00E+04	1.72E-07	4.93E-02	0.00E+00	5.85E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	3.89E-03	3.04E-01	2.58E-01	7.30E-02	6.39E-01
2.00E-01	3.90E-03	2.85E-01	2.17E-01	1.33E-01	6.39E-01
3.00E-01	3.92E-03	2.70E-01	1.82E-01	1.82E-01	6.38E-01
4.00E-01	3.94E-03	2.57E-01	1.53E-01	2.21E-01	6.36E-01
5.00E-01	3.96E-03	2.47E-01	1.29E-01	2.52E-01	6.32E-01
6.00E-01	3.98E-03	2.38E-01	1.08E-01	2.76E-01	6.27E-01
7.00E-01	3.99E-03	2.31E-01	9.12E-02	2.93E-01	6.20E-01
8.00E-01	4.00E-03	2.24E-01	7.67E-02	3.05E-01	6.10E-01
9.00E-01	4.00E-03	2.19E-01	6.45E-02	3.12E-01	5.99E-01
1.00E+00	4.00E-03	2.13E-01	5.42E-02	3.15E-01	5.87E-01
2.00E+00	3.90E-03	1.80E-01	9.59E-03	2.32E-01	4.26E-01
3.00E+00	3.75E-03	1.65E-01	1.70E-03	1.25E-01	2.95E-01
4.00E+00	3.61E-03	1.57E-01	3.00E-04	6.07E-02	2.21E-01
5.00E+00	3.49E-03	1.53E-01	5.30E-05	2.85E-02	1.85E-01
6.00E+00	3.38E-03	1.51E-01	9.37E-06	1.34E-02	1.67E-01
7.00E+00	3.29E-03	1.49E-01	1.66E-06	6.43E-03	1.59E-01
8.00E+00	3.21E-03	1.49E-01	2.93E-07	3.18E-03	1.55E-01
9.00E+00	3.14E-03	1.48E-01	5.17E-08	1.65E-03	1.53E-01
1.00E+01	3.08E-03	1.48E-01	0.00E+00	9.20E-04	1.52E-01
2.00E+01	2.78E-03	1.46E-01	0.00E+00	2.36E-04	1.49E-01
3.00E+01	2.67E-03	1.45E-01	0.00E+00	2.32E-04	1.48E-01
4.00E+01	2.60E-03	1.43E-01	0.00E+00	2.29E-04	1.46E-01
5.00E+01	2.54E-03	1.42E-01	0.00E+00	2.26E-04	1.45E-01
6.00E+01	2.48E-03	1.41E-01	0.00E+00	2.23E-04	1.43E-01
7.00E+01	2.43E-03	1.39E-01	0.00E+00	2.20E-04	1.42E-01
8.00E+01	2.38E-03	1.38E-01	0.00E+00	2.17E-04	1.40E-01
9.00E+01	2.34E-03	1.36E-01	0.00E+00	2.14E-04	1.39E-01
1.00E+02	2.30E-03	1.35E-01	0.00E+00	2.11E-04	1.37E-01
2.00E+02	2.03E-03	1.22E-01	0.00E+00	1.83E-04	1.24E-01
3.00E+02	1.90E-03	1.10E-01	0.00E+00	1.60E-04	1.12E-01
4.00E+02	1.84E-03	9.98E-02	0.00E+00	1.39E-04	1.02E-01
5.00E+02	1.80E-03	9.06E-02	0.00E+00	1.21E-04	9.25E-02
6.00E+02	1.77E-03	8.23E-02	0.00E+00	1.05E-04	8.42E-02
7.00E+02	1.74E-03	7.49E-02	0.00E+00	9.17E-05	7.67E-02
8.00E+02	1.70E-03	6.83E-02	0.00E+00	7.98E-05	7.01E-02
9.00E+02	1.66E-03	6.23E-02	0.00E+00	6.95E-05	6.41E-02
1.00E+03	1.61E-03	5.70E-02	0.00E+00	6.05E-05	5.87E-02
2.00E+03	1.02E-03	2.55E-02	0.00E+00	1.51E-05	2.65E-02
3.00E+03	5.65E-04	1.34E-02	0.00E+00	3.78E-06	1.39E-02
4.00E+03	2.96E-04	8.25E-03	0.00E+00	9.46E-07	8.55E-03
5.00E+03	1.51E-04	5.92E-03	0.00E+00	2.36E-07	6.07E-03
6.00E+03	7.66E-05	4.81E-03	0.00E+00	5.91E-08	4.88E-03
7.00E+03	3.85E-05	4.27E-03	0.00E+00	1.48E-08	4.31E-03
8.00E+03	1.93E-05	4.00E-03	0.00E+00	0.00E+00	4.02E-03
9.00E+03	9.66E-06	3.87E-03	0.00E+00	0.00E+00	3.88E-03
1.00E+04	4.83E-06	3.80E-03	0.00E+00	0.00E+00	3.81E-03

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		2.16E-05		1.04E-05
2.00E-01		4.66E-05		2.10E-04
3.00E-01		7.15E-05		1.06E-03
4.00E-01		9.63E-05		3.07E-03
5.00E-01		1.21E-04		6.66E-03
6.00E-01		1.46E-04		1.21E-02
7.00E-01		1.70E-04		1.94E-02
8.00E-01		1.94E-04		2.86E-02
9.00E-01		2.18E-04		3.96E-02
1.00E+00	2.42E-04	2.42E-04	5.21E-02	5.21E-02
2.00E+00	2.24E-04	4.66E-04	1.61E-01	2.13E-01
3.00E+00	1.96E-04	6.62E-04	1.31E-01	3.43E-01
4.00E+00	1.70E-04	8.32E-04	7.36E-02	4.17E-01
5.00E+00	1.47E-04	9.80E-04	3.64E-02	4.53E-01
6.00E+00	1.28E-04	1.11E-03	1.72E-02	4.71E-01
7.00E+00	1.12E-04	1.22E-03	8.12E-03	4.79E-01
8.00E+00	9.81E-05	1.32E-03	3.88E-03	4.83E-01
9.00E+00	8.65E-05	1.40E-03	1.91E-03	4.85E-01
1.00E+01	7.68E-05	1.48E-03	9.85E-04	4.86E-01
2.00E+01	3.39E-05	1.96E-03	1.35E-04	4.88E-01
3.00E+01	2.60E-05	2.24E-03	1.33E-04	4.89E-01
4.00E+01	2.42E-05	2.49E-03	1.31E-04	4.90E-01
5.00E+01	2.36E-05	2.73E-03	1.29E-04	4.92E-01
6.00E+01	2.32E-05	2.96E-03	1.27E-04	4.93E-01
7.00E+01	2.29E-05	3.19E-03	1.26E-04	4.94E-01
8.00E+01	2.25E-05	3.42E-03	1.24E-04	4.95E-01
9.00E+01	2.23E-05	3.64E-03	1.22E-04	4.97E-01
1.00E+02	2.20E-05	3.86E-03	1.21E-04	4.98E-01
2.00E+02	2.02E-05	5.96E-03	1.05E-04	5.09E-01
3.00E+02	1.94E-05	7.94E-03	9.14E-05	5.19E-01
4.00E+02	1.90E-05	9.86E-03	7.96E-05	5.27E-01
5.00E+02	1.87E-05	1.17E-02	6.93E-05	5.35E-01
7.00E+02	1.80E-05	1.54E-02	5.25E-05	5.47E-01
8.00E+02	1.76E-05	1.72E-02	4.57E-05	5.52E-01
9.00E+02	1.71E-05	1.89E-02	3.98E-05	5.56E-01
1.00E+03	1.65E-05	2.06E-02	3.46E-05	5.60E-01
2.00E+03	1.04E-05	3.41E-02	8.66E-06	5.79E-01
3.00E+03	5.73E-06	4.19E-02	2.16E-06	5.83E-01
4.00E+03	3.00E-06	4.62E-02	5.41E-07	5.84E-01
5.00E+03	1.53E-06	4.83E-02	1.35E-07	5.85E-01
7.00E+03	3.89E-07	5.00E-02	0.00E+00	5.85E-01
8.00E+03	1.95E-07	5.03E-02	0.00E+00	5.85E-01
9.00E+03	9.77E-08	5.04E-02	0.00E+00	5.85E-01
1.00E+04	4.89E-08	5.05E-02	0.00E+00	5.85E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	3.88E-03	3.04E-01	2.58E-01	7.30E-02	6.39E-01
2.00E-01	3.89E-03	2.85E-01	2.17E-01	1.33E-01	6.38E-01
3.00E-01	3.91E-03	2.69E-01	1.82E-01	1.81E-01	6.37E-01
4.00E-01	3.93E-03	2.57E-01	1.53E-01	2.21E-01	6.34E-01
5.00E-01	3.95E-03	2.46E-01	1.29E-01	2.51E-01	6.30E-01
6.00E-01	3.96E-03	2.38E-01	1.08E-01	2.75E-01	6.25E-01
7.00E-01	3.97E-03	2.30E-01	9.09E-02	2.92E-01	6.17E-01
8.00E-01	3.98E-03	2.23E-01	7.64E-02	3.04E-01	6.07E-01
9.00E-01	3.98E-03	2.17E-01	6.42E-02	3.11E-01	5.96E-01
1.00E+00	3.98E-03	2.12E-01	5.39E-02	3.13E-01	5.83E-01
2.00E+00	3.86E-03	1.78E-01	9.47E-03	2.29E-01	4.21E-01
3.00E+00	3.69E-03	1.62E-01	1.66E-03	1.23E-01	2.90E-01
4.00E+00	3.53E-03	1.53E-01	2.93E-04	5.92E-02	2.16E-01
5.00E+00	3.38E-03	1.48E-01	5.14E-05	2.77E-02	1.79E-01
6.00E+00	3.26E-03	1.45E-01	9.03E-06	1.30E-02	1.61E-01
7.00E+00	3.15E-03	1.43E-01	1.59E-06	6.17E-03	1.53E-01
8.00E+00	3.06E-03	1.42E-01	2.79E-07	3.03E-03	1.48E-01
9.00E+00	2.97E-03	1.41E-01	4.90E-08	1.56E-03	1.45E-01
1.00E+01	2.90E-03	1.39E-01	0.00E+00	8.66E-04	1.43E-01
2.00E+01	2.46E-03	1.30E-01	0.00E+00	2.09E-04	1.32E-01
3.00E+01	2.23E-03	1.21E-01	0.00E+00	1.94E-04	1.23E-01
4.00E+01	2.04E-03	1.13E-01	0.00E+00	1.80E-04	1.15E-01
5.00E+01	1.88E-03	1.05E-01	0.00E+00	1.67E-04	1.07E-01
6.00E+01	1.73E-03	9.79E-02	0.00E+00	1.55E-04	9.98E-02
7.00E+01	1.59E-03	9.12E-02	0.00E+00	1.44E-04	9.29E-02
8.00E+01	1.47E-03	8.50E-02	0.00E+00	1.34E-04	8.66E-02
9.00E+01	1.36E-03	7.92E-02	0.00E+00	1.24E-04	8.07E-02
1.00E+02	1.26E-03	7.38E-02	0.00E+00	1.15E-04	7.52E-02
2.00E+02	6.07E-04	3.65E-02	0.00E+00	5.50E-05	3.71E-02
3.00E+02	3.12E-04	1.81E-02	0.00E+00	2.62E-05	1.84E-02
4.00E+02	1.65E-04	8.96E-03	0.00E+00	1.25E-05	9.13E-03
5.00E+02	8.86E-05	4.45E-03	0.00E+00	5.94E-06	4.54E-03
6.00E+02	4.77E-05	2.21E-03	0.00E+00	2.83E-06	2.26E-03
7.00E+02	2.56E-05	1.10E-03	0.00E+00	1.35E-06	1.13E-03
8.00E+02	1.37E-05	5.50E-04	0.00E+00	6.43E-07	5.64E-04
9.00E+02	7.30E-06	2.75E-04	0.00E+00	3.06E-07	2.82E-04
1.00E+03	3.88E-06	1.37E-04	0.00E+00	1.46E-07	1.42E-04

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		2.16E-05		1.04E-05
2.00E-01		4.66E-05		2.10E-04
3.00E-01		7.14E-05		1.06E-03
4.00E-01		9.61E-05		3.06E-03
5.00E-01		1.21E-04		6.64E-03
6.00E-01		1.45E-04		1.20E-02
7.00E-01		1.69E-04		1.93E-02
8.00E-01		1.93E-04		2.85E-02
9.00E-01		2.17E-04		3.94E-02
1.00E+00	2.41E-04	2.41E-04	5.17E-02	5.17E-02
2.00E+00	2.21E-04	4.61E-04	1.59E-01	2.10E-01
3.00E+00	1.92E-04	6.51E-04	1.28E-01	3.37E-01
4.00E+00	1.66E-04	8.13E-04	7.18E-02	4.07E-01
5.00E+00	1.43E-04	9.51E-04	3.53E-02	4.40E-01
6.00E+00	1.24E-04	1.07E-03	1.66E-02	4.54E-01
7.00E+00	1.07E-04	1.17E-03	7.78E-03	4.59E-01
8.00E+00	9.35E-05	1.26E-03	3.70E-03	4.60E-01
9.00E+00	8.20E-05	1.33E-03	1.81E-03	4.59E-01
1.00E+01	7.23E-05	1.39E-03	9.27E-04	4.57E-01
2.00E+01	3.01E-05	1.73E-03	1.20E-04	4.32E-01
3.00E+01	2.17E-05	1.87E-03	1.11E-04	4.08E-01
4.00E+01	1.90E-05	1.96E-03	1.03E-04	3.85E-01
5.00E+01	1.75E-05	2.02E-03	9.56E-05	3.64E-01
6.00E+01	1.62E-05	2.06E-03	8.88E-05	3.43E-01
7.00E+01	1.50E-05	2.09E-03	8.24E-05	3.24E-01
8.00E+01	1.39E-05	2.11E-03	7.65E-05	3.06E-01
9.00E+01	1.29E-05	2.12E-03	7.11E-05	2.89E-01
1.00E+02	1.20E-05	2.11E-03	6.60E-05	2.73E-01
2.00E+02	6.06E-06	1.79E-03	3.14E-05	1.53E-01
3.00E+02	3.19E-06	1.30E-03	1.50E-05	8.51E-02
4.00E+02	1.70E-06	8.85E-04	7.14E-06	4.73E-02
5.00E+02	9.17E-07	5.77E-04	3.40E-06	2.63E-02
6.00E+02	4.94E-07	3.65E-04	1.62E-06	1.46E-02
7.00E+02	2.65E-07	2.27E-04	7.72E-07	8.05E-03
8.00E+02	1.41E-07	1.38E-04	3.68E-07	4.44E-03
9.00E+02	7.52E-08	8.34E-05	1.75E-07	2.45E-03
1.00E+03	3.99E-08	4.97E-05	8.35E-08	1.35E-03

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	3.82E-03	3.04E-01	2.58E-01	7.30E-02	6.39E-01
2.00E-01	3.99E-03	2.85E-01	2.17E-01	1.33E-01	6.39E-01
3.00E-01	4.28E-03	2.70E-01	1.82E-01	1.81E-01	6.38E-01
4.00E-01	4.61E-03	2.57E-01	1.53E-01	2.20E-01	6.35E-01
5.00E-01	4.92E-03	2.47E-01	1.29E-01	2.51E-01	6.32E-01
6.00E-01	5.19E-03	2.38E-01	1.08E-01	2.74E-01	6.26E-01
7.00E-01	5.43E-03	2.31E-01	9.12E-02	2.91E-01	6.19E-01
8.00E-01	5.62E-03	2.24E-01	7.67E-02	3.03E-01	6.10E-01
9.00E-01	5.79E-03	2.19E-01	6.45E-02	3.10E-01	5.99E-01
1.00E+00	5.92E-03	2.13E-01	5.42E-02	3.13E-01	5.86E-01
2.00E+00	6.50E-03	1.80E-01	9.59E-03	2.30E-01	4.26E-01
3.00E+00	6.59E-03	1.65E-01	1.70E-03	1.24E-01	2.97E-01
4.00E+00	6.57E-03	1.57E-01	3.00E-04	6.00E-02	2.24E-01
5.00E+00	6.51E-03	1.53E-01	5.30E-05	2.83E-02	1.87E-01
6.00E+00	6.44E-03	1.51E-01	9.37E-06	1.33E-02	1.70E-01
7.00E+00	6.37E-03	1.49E-01	1.66E-06	6.37E-03	1.62E-01
8.00E+00	6.31E-03	1.49E-01	2.93E-07	3.14E-03	1.58E-01
9.00E+00	6.24E-03	1.48E-01	5.17E-08	1.63E-03	1.56E-01
1.00E+01	6.18E-03	1.48E-01	0.00E+00	9.11E-04	1.55E-01
2.00E+01	5.76E-03	1.46E-01	0.00E+00	2.34E-04	1.52E-01
3.00E+01	5.55E-03	1.45E-01	0.00E+00	2.30E-04	1.51E-01
4.00E+01	5.42E-03	1.43E-01	0.00E+00	2.27E-04	1.49E-01
5.00E+01	5.33E-03	1.42E-01	0.00E+00	2.24E-04	1.48E-01
6.00E+01	5.26E-03	1.41E-01	0.00E+00	2.21E-04	1.46E-01
7.00E+01	5.20E-03	1.39E-01	0.00E+00	2.18E-04	1.44E-01
8.00E+01	5.14E-03	1.38E-01	0.00E+00	2.15E-04	1.43E-01
9.00E+01	5.08E-03	1.36E-01	0.00E+00	2.12E-04	1.42E-01
1.00E+02	5.03E-03	1.35E-01	0.00E+00	2.09E-04	1.40E-01
2.00E+02	4.61E-03	1.22E-01	0.00E+00	1.82E-04	1.27E-01
3.00E+02	4.32E-03	1.10E-01	0.00E+00	1.58E-04	1.15E-01
4.00E+02	4.11E-03	9.98E-02	0.00E+00	1.38E-04	1.04E-01
5.00E+02	3.95E-03	9.06E-02	0.00E+00	1.20E-04	9.46E-02
6.00E+02	3.82E-03	8.23E-02	0.00E+00	1.04E-04	8.62E-02
7.00E+02	3.70E-03	7.49E-02	0.00E+00	9.09E-05	7.87E-02
8.00E+02	3.59E-03	6.83E-02	0.00E+00	7.91E-05	7.19E-02
9.00E+02	3.48E-03	6.23E-02	0.00E+00	6.89E-05	6.59E-02
1.00E+03	3.37E-03	5.70E-02	0.00E+00	6.00E-05	6.04E-02
2.00E+03	2.18E-03	2.55E-02	0.00E+00	1.50E-05	2.77E-02
3.00E+03	1.22E-03	1.34E-02	0.00E+00	3.75E-06	1.46E-02
4.00E+03	6.45E-04	8.25E-03	0.00E+00	9.37E-07	8.89E-03
5.00E+03	3.31E-04	5.92E-03	0.00E+00	2.34E-07	6.25E-03
7.00E+03	8.43E-05	4.27E-03	0.00E+00	1.46E-08	4.35E-03
8.00E+03	4.23E-05	4.00E-03	0.00E+00	0.00E+00	4.04E-03
9.00E+03	2.12E-05	3.87E-03	0.00E+00	0.00E+00	3.89E-03
1.00E+04	1.06E-05	3.80E-03	0.00E+00	0.00E+00	3.81E-03
2.00E+04	1.04E-08	3.74E-03	0.00E+00	0.00E+00	3.74E-03

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		1.71E-04		1.04E-05
2.00E-01		3.38E-04		2.10E-04
3.00E-01		4.87E-04		1.05E-03
4.00E-01		6.24E-04		3.06E-03
5.00E-01		7.52E-04		6.64E-03
6.00E-01		8.73E-04		1.20E-02
7.00E-01		9.84E-04		1.93E-02
8.00E-01		1.09E-03		2.85E-02
9.00E-01		1.18E-03		3.93E-02
1.00E+00	1.27E-03	1.27E-03	5.17E-02	5.17E-02
2.00E+00	5.20E-04	1.79E-03	1.59E-01	2.11E-01
3.00E+00	2.30E-04	2.02E-03	1.30E-01	3.41E-01
4.00E+00	1.51E-04	2.17E-03	7.28E-02	4.13E-01
5.00E+00	1.23E-04	2.29E-03	3.60E-02	4.49E-01
6.00E+00	1.09E-04	2.40E-03	1.71E-02	4.66E-01
7.00E+00	9.98E-05	2.50E-03	8.04E-03	4.74E-01
8.00E+00	9.25E-05	2.59E-03	3.84E-03	4.78E-01
9.00E+00	8.64E-05	2.68E-03	1.89E-03	4.80E-01
1.00E+01	8.10E-05	2.76E-03	9.75E-04	4.81E-01
2.00E+01	4.87E-05	3.37E-03	1.34E-04	4.83E-01
3.00E+01	3.52E-05	3.77E-03	1.32E-04	4.85E-01
4.00E+01	2.94E-05	4.09E-03	1.30E-04	4.86E-01
5.00E+01	2.68E-05	4.37E-03	1.28E-04	4.87E-01
6.00E+01	2.56E-05	4.63E-03	1.26E-04	4.88E-01
7.00E+01	2.50E-05	4.88E-03	1.25E-04	4.90E-01
8.00E+01	2.47E-05	5.13E-03	1.23E-04	4.91E-01
9.00E+01	2.44E-05	5.37E-03	1.21E-04	4.92E-01
1.00E+02	2.42E-05	5.62E-03	1.19E-04	4.93E-01
2.00E+02	2.28E-05	7.96E-03	1.04E-04	5.05E-01
3.00E+02	2.18E-05	1.02E-02	9.06E-05	5.14E-01
4.00E+02	2.11E-05	1.23E-02	7.88E-05	5.23E-01
5.00E+02	2.04E-05	1.44E-02	6.86E-05	5.30E-01
7.00E+02	1.92E-05	1.84E-02	5.20E-05	5.42E-01
8.00E+02	1.87E-05	2.03E-02	4.53E-05	5.47E-01
9.00E+02	1.81E-05	2.21E-02	3.94E-05	5.51E-01
1.00E+03	1.75E-05	2.39E-02	3.43E-05	5.55E-01
2.00E+03	1.11E-05	3.81E-02	8.58E-06	5.73E-01
3.00E+03	6.15E-06	4.65E-02	2.14E-06	5.78E-01
4.00E+03	3.23E-06	5.11E-02	5.36E-07	5.79E-01
5.00E+03	1.65E-06	5.34E-02	1.34E-07	5.79E-01
7.00E+03	4.21E-07	5.52E-02	0.00E+00	5.80E-01
8.00E+03	2.11E-07	5.55E-02	0.00E+00	5.80E-01
9.00E+03	1.06E-07	5.57E-02	0.00E+00	5.80E-01
1.00E+04	5.29E-08	5.58E-02	0.00E+00	5.80E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	3.82E-03	3.04E-01	2.58E-01	7.29E-02	6.38E-01
2.00E-01	3.98E-03	2.85E-01	2.17E-01	1.32E-01	6.37E-01
3.00E-01	4.27E-03	2.69E-01	1.82E-01	1.80E-01	6.36E-01
4.00E-01	4.59E-03	2.56E-01	1.53E-01	2.19E-01	6.33E-01
5.00E-01	4.89E-03	2.46E-01	1.28E-01	2.49E-01	6.29E-01
6.00E-01	5.16E-03	2.37E-01	1.08E-01	2.73E-01	6.23E-01
7.00E-01	5.39E-03	2.29E-01	9.06E-02	2.89E-01	6.15E-01
8.00E-01	5.58E-03	2.23E-01	7.61E-02	3.01E-01	6.05E-01
9.00E-01	5.74E-03	2.17E-01	6.40E-02	3.07E-01	5.94E-01
1.00E+00	5.87E-03	2.11E-01	5.37E-02	3.10E-01	5.81E-01
2.00E+00	6.38E-03	1.77E-01	9.41E-03	2.26E-01	4.18E-01
3.00E+00	6.41E-03	1.60E-01	1.65E-03	1.20E-01	2.88E-01
4.00E+00	6.33E-03	1.51E-01	2.89E-04	5.78E-02	2.15E-01
5.00E+00	6.21E-03	1.46E-01	5.06E-05	2.70E-02	1.79E-01
6.00E+00	6.09E-03	1.42E-01	8.85E-06	1.26E-02	1.61E-01
7.00E+00	5.97E-03	1.40E-01	1.55E-06	5.96E-03	1.52E-01
8.00E+00	5.85E-03	1.38E-01	2.72E-07	2.92E-03	1.47E-01
9.00E+00	5.74E-03	1.36E-01	4.76E-08	1.50E-03	1.44E-01
1.00E+01	5.63E-03	1.35E-01	0.00E+00	8.29E-04	1.41E-01
2.00E+01	4.78E-03	1.21E-01	0.00E+00	1.94E-04	1.26E-01
3.00E+01	4.19E-03	1.09E-01	0.00E+00	1.74E-04	1.14E-01
4.00E+01	3.73E-03	9.86E-02	0.00E+00	1.56E-04	1.03E-01
5.00E+01	3.34E-03	8.89E-02	0.00E+00	1.40E-04	9.24E-02
6.00E+01	3.00E-03	8.01E-02	0.00E+00	1.26E-04	8.32E-02
7.00E+01	2.70E-03	7.22E-02	0.00E+00	1.13E-04	7.50E-02
8.00E+01	2.43E-03	6.51E-02	0.00E+00	1.02E-04	6.76E-02
9.00E+01	2.19E-03	5.87E-02	0.00E+00	9.12E-05	6.09E-02
1.00E+02	1.97E-03	5.29E-02	0.00E+00	8.19E-05	5.49E-02
2.00E+02	7.09E-04	1.87E-02	0.00E+00	2.79E-05	1.95E-02
3.00E+02	2.60E-04	6.64E-03	0.00E+00	9.54E-06	6.91E-03
4.00E+02	9.72E-05	2.36E-03	0.00E+00	3.25E-06	2.46E-03
5.00E+02	3.66E-05	8.39E-04	0.00E+00	1.11E-06	8.76E-04
6.00E+02	1.39E-05	2.99E-04	0.00E+00	3.79E-07	3.13E-04
7.00E+02	5.27E-06	1.07E-04	0.00E+00	1.29E-07	1.12E-04
8.00E+02	2.00E-06	3.81E-05	0.00E+00	4.41E-08	4.01E-05
9.00E+02	7.61E-07	1.36E-05	0.00E+00	1.51E-08	1.44E-05
1.00E+03	2.89E-07	4.89E-06	0.00E+00	0.00E+00	5.18E-06

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		1.71E-04		1.04E-05
2.00E-01		3.38E-04		2.09E-04
3.00E-01		4.86E-04		1.05E-03
4.00E-01		6.22E-04		3.05E-03
5.00E-01		7.49E-04		6.61E-03
6.00E-01		8.68E-04		1.20E-02
7.00E-01		9.78E-04		1.92E-02
8.00E-01		1.08E-03		2.83E-02
9.00E-01		1.17E-03		3.90E-02
1.00E+00	1.26E-03	1.26E-03	5.13E-02	5.13E-02
2.00E+00	5.10E-04	1.75E-03	1.56E-01	2.07E-01
3.00E+00	2.24E-04	1.96E-03	1.26E-01	3.31E-01
4.00E+00	1.45E-04	2.09E-03	7.01E-02	3.98E-01
5.00E+00	1.18E-04	2.19E-03	3.44E-02	4.29E-01
6.00E+00	1.03E-04	2.27E-03	1.61E-02	4.41E-01
7.00E+00	9.35E-05	2.34E-03	7.53E-03	4.44E-01
8.00E+00	8.58E-05	2.41E-03	3.56E-03	4.44E-01
9.00E+00	7.94E-05	2.46E-03	1.74E-03	4.41E-01
1.00E+01	7.38E-05	2.51E-03	8.88E-04	4.38E-01
2.00E+01	4.04E-05	2.79E-03	1.11E-04	4.01E-01
3.00E+01	2.66E-05	2.85E-03	9.94E-05	3.66E-01
4.00E+01	2.02E-05	2.81E-03	8.93E-05	3.34E-01
5.00E+01	1.68E-05	2.73E-03	8.02E-05	3.05E-01
6.00E+01	1.46E-05	2.64E-03	7.20E-05	2.79E-01
7.00E+01	1.30E-05	2.53E-03	6.47E-05	2.54E-01
8.00E+01	1.17E-05	2.42E-03	5.81E-05	2.32E-01
9.00E+01	1.05E-05	2.31E-03	5.22E-05	2.12E-01
1.00E+02	9.50E-06	2.20E-03	4.68E-05	1.93E-01
2.00E+02	3.51E-06	1.22E-03	1.60E-05	7.75E-02
3.00E+02	1.32E-06	6.14E-04	5.46E-06	3.10E-02
4.00E+02	4.98E-07	2.91E-04	1.86E-06	1.23E-02
5.00E+02	1.89E-07	1.33E-04	6.35E-07	4.91E-03
6.00E+02	7.20E-08	5.96E-05	2.17E-07	1.95E-03
7.00E+02	2.74E-08	2.62E-05	7.40E-08	7.71E-04
8.00E+02	1.04E-08	1.13E-05	2.53E-08	3.05E-04

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	3.82E-03	3.04E-01	2.58E-01	7.30E-02	6.39E-01
2.00E-01	3.99E-03	2.85E-01	2.17E-01	1.33E-01	6.39E-01
3.00E-01	4.28E-03	2.70E-01	1.82E-01	1.81E-01	6.38E-01
4.00E-01	4.61E-03	2.57E-01	1.53E-01	2.20E-01	6.35E-01
5.00E-01	4.92E-03	2.47E-01	1.29E-01	2.51E-01	6.32E-01
6.00E-01	5.19E-03	2.38E-01	1.08E-01	2.74E-01	6.26E-01
7.00E-01	5.43E-03	2.31E-01	9.12E-02	2.91E-01	6.19E-01
8.00E-01	5.62E-03	2.24E-01	7.67E-02	3.03E-01	6.10E-01
9.00E-01	5.79E-03	2.19E-01	6.45E-02	3.10E-01	5.99E-01
1.00E+00	5.92E-03	2.13E-01	5.42E-02	3.13E-01	5.86E-01
2.00E+00	6.50E-03	1.80E-01	9.59E-03	2.30E-01	4.26E-01
3.00E+00	6.59E-03	1.65E-01	1.70E-03	1.24E-01	2.97E-01
4.00E+00	6.57E-03	1.57E-01	3.00E-04	6.00E-02	2.24E-01
5.00E+00	6.51E-03	1.53E-01	5.30E-05	2.83E-02	1.87E-01
6.00E+00	6.44E-03	1.51E-01	9.37E-06	1.33E-02	1.70E-01
7.00E+00	6.37E-03	1.49E-01	1.66E-06	6.37E-03	1.62E-01
8.00E+00	6.31E-03	1.49E-01	2.93E-07	3.14E-03	1.58E-01
9.00E+00	6.24E-03	1.48E-01	5.17E-08	1.63E-03	1.56E-01
1.00E+01	6.18E-03	1.48E-01	0.00E+00	9.11E-04	1.55E-01
2.00E+01	5.76E-03	1.46E-01	0.00E+00	2.34E-04	1.52E-01
3.00E+01	5.55E-03	1.45E-01	0.00E+00	2.30E-04	1.51E-01
4.00E+01	5.42E-03	1.43E-01	0.00E+00	2.27E-04	1.49E-01
5.00E+01	5.33E-03	1.42E-01	0.00E+00	2.24E-04	1.48E-01
6.00E+01	5.26E-03	1.41E-01	0.00E+00	2.21E-04	1.46E-01
7.00E+01	5.20E-03	1.39E-01	0.00E+00	2.18E-04	1.44E-01
8.00E+01	5.14E-03	1.38E-01	0.00E+00	2.15E-04	1.43E-01
9.00E+01	5.08E-03	1.36E-01	0.00E+00	2.12E-04	1.42E-01
1.00E+02	5.03E-03	1.35E-01	0.00E+00	2.09E-04	1.40E-01
2.00E+02	4.61E-03	1.22E-01	0.00E+00	1.82E-04	1.27E-01
3.00E+02	4.32E-03	1.10E-01	0.00E+00	1.58E-04	1.15E-01
4.00E+02	4.11E-03	9.98E-02	0.00E+00	1.38E-04	1.04E-01
5.00E+02	3.95E-03	9.06E-02	0.00E+00	1.20E-04	9.46E-02
6.00E+02	3.82E-03	8.23E-02	0.00E+00	1.04E-04	8.62E-02
7.00E+02	3.70E-03	7.49E-02	0.00E+00	9.09E-05	7.87E-02
8.00E+02	3.59E-03	6.83E-02	0.00E+00	7.91E-05	7.19E-02
9.00E+02	3.48E-03	6.23E-02	0.00E+00	6.89E-05	6.59E-02
1.00E+03	3.37E-03	5.70E-02	0.00E+00	6.00E-05	6.04E-02
2.00E+03	2.18E-03	2.55E-02	0.00E+00	1.50E-05	2.77E-02
3.00E+03	1.22E-03	1.34E-02	0.00E+00	3.75E-06	1.46E-02
4.00E+03	6.45E-04	8.25E-03	0.00E+00	9.37E-07	8.89E-03
5.00E+03	3.31E-04	5.92E-03	0.00E+00	2.34E-07	6.25E-03
7.00E+03	8.43E-05	4.27E-03	0.00E+00	1.46E-08	4.35E-03
8.00E+03	4.23E-05	4.00E-03	0.00E+00	0.00E+00	4.04E-03
9.00E+03	2.12E-05	3.87E-03	0.00E+00	0.00E+00	3.89E-03
1.00E+04	1.06E-05	3.80E-03	0.00E+00	0.00E+00	3.81E-03
2.00E+04	1.04E-08	3.74E-03	0.00E+00	0.00E+00	3.74E-03

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		1.71E-04		1.04E-05
2.00E-01		3.38E-04		2.10E-04
3.00E-01		4.87E-04		1.05E-03
4.00E-01		6.24E-04		3.06E-03
5.00E-01		7.52E-04		6.64E-03
6.00E-01		8.73E-04		1.20E-02
7.00E-01		9.84E-04		1.93E-02
8.00E-01		1.09E-03		2.85E-02
9.00E-01		1.18E-03		3.93E-02
1.00E+00	1.27E-03	1.27E-03	5.17E-02	5.17E-02
2.00E+00	5.20E-04	1.79E-03	1.59E-01	2.11E-01
3.00E+00	2.30E-04	2.02E-03	1.30E-01	3.41E-01
4.00E+00	1.51E-04	2.17E-03	7.28E-02	4.13E-01
5.00E+00	1.23E-04	2.29E-03	3.60E-02	4.49E-01
6.00E+00	1.09E-04	2.40E-03	1.71E-02	4.66E-01
7.00E+00	9.98E-05	2.50E-03	8.04E-03	4.74E-01
8.00E+00	9.25E-05	2.59E-03	3.84E-03	4.78E-01
9.00E+00	8.64E-05	2.68E-03	1.89E-03	4.80E-01
1.00E+01	8.10E-05	2.76E-03	9.75E-04	4.81E-01
2.00E+01	4.87E-05	3.37E-03	1.34E-04	4.83E-01
3.00E+01	3.52E-05	3.77E-03	1.32E-04	4.85E-01
4.00E+01	2.94E-05	4.09E-03	1.30E-04	4.86E-01
5.00E+01	2.68E-05	4.37E-03	1.28E-04	4.87E-01
6.00E+01	2.56E-05	4.63E-03	1.26E-04	4.88E-01
7.00E+01	2.50E-05	4.88E-03	1.25E-04	4.90E-01
8.00E+01	2.47E-05	5.13E-03	1.23E-04	4.91E-01
9.00E+01	2.44E-05	5.37E-03	1.21E-04	4.92E-01
1.00E+02	2.42E-05	5.62E-03	1.19E-04	4.93E-01
2.00E+02	2.28E-05	7.96E-03	1.04E-04	5.05E-01
3.00E+02	2.18E-05	1.02E-02	9.06E-05	5.14E-01
4.00E+02	2.11E-05	1.23E-02	7.88E-05	5.23E-01
5.00E+02	2.04E-05	1.44E-02	6.86E-05	5.30E-01
7.00E+02	1.92E-05	1.84E-02	5.20E-05	5.42E-01
8.00E+02	1.87E-05	2.03E-02	4.53E-05	5.47E-01
9.00E+02	1.81E-05	2.21E-02	3.94E-05	5.51E-01
1.00E+03	1.75E-05	2.39E-02	3.43E-05	5.55E-01
2.00E+03	1.11E-05	3.81E-02	8.58E-06	5.73E-01
3.00E+03	6.15E-06	4.65E-02	2.14E-06	5.78E-01
4.00E+03	3.23E-06	5.11E-02	5.36E-07	5.79E-01
5.00E+03	1.65E-06	5.34E-02	1.34E-07	5.79E-01
7.00E+03	4.21E-07	5.52E-02	0.00E+00	5.80E-01
8.00E+03	2.11E-07	5.55E-02	0.00E+00	5.80E-01
9.00E+03	1.06E-07	5.57E-02	0.00E+00	5.80E-01
1.00E+04	5.29E-08	5.58E-02	0.00E+00	5.80E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	4.84E-03	3.04E-01	2.58E-01	7.20E-02	6.39E-01
2.00E-01	8.17E-03	2.85E-01	2.17E-01	1.28E-01	6.39E-01
3.00E-01	1.25E-02	2.70E-01	1.82E-01	1.73E-01	6.38E-01
4.00E-01	1.69E-02	2.57E-01	1.53E-01	2.08E-01	6.35E-01
5.00E-01	2.09E-02	2.47E-01	1.29E-01	2.34E-01	6.32E-01
6.00E-01	2.43E-02	2.38E-01	1.08E-01	2.55E-01	6.26E-01
7.00E-01	2.71E-02	2.31E-01	9.12E-02	2.69E-01	6.18E-01
8.00E-01	2.94E-02	2.24E-01	7.67E-02	2.79E-01	6.09E-01
9.00E-01	3.12E-02	2.19E-01	6.45E-02	2.84E-01	5.98E-01
1.00E+00	3.26E-02	2.13E-01	5.42E-02	2.86E-01	5.86E-01
2.00E+00	3.50E-02	1.80E-01	9.59E-03	2.08E-01	4.33E-01
3.00E+00	3.04E-02	1.65E-01	1.70E-03	1.11E-01	3.08E-01
4.00E+00	2.51E-02	1.57E-01	3.00E-04	5.39E-02	2.36E-01
5.00E+00	2.04E-02	1.53E-01	5.30E-05	2.54E-02	1.98E-01
6.00E+00	1.64E-02	1.51E-01	9.37E-06	1.19E-02	1.79E-01
7.00E+00	1.32E-02	1.49E-01	1.66E-06	5.72E-03	1.68E-01
8.00E+00	1.05E-02	1.49E-01	2.93E-07	2.83E-03	1.62E-01
9.00E+00	8.40E-03	1.48E-01	5.17E-08	1.47E-03	1.58E-01
1.00E+01	6.71E-03	1.48E-01	0.00E+00	8.21E-04	1.56E-01
2.00E+01	7.88E-04	1.46E-01	0.00E+00	2.13E-04	1.47E-01
3.00E+01	1.98E-04	1.45E-01	0.00E+00	2.10E-04	1.45E-01
4.00E+01	1.39E-04	1.43E-01	0.00E+00	2.07E-04	1.44E-01
5.00E+01	1.33E-04	1.42E-01	0.00E+00	2.04E-04	1.42E-01
6.00E+01	1.32E-04	1.41E-01	0.00E+00	2.01E-04	1.41E-01
7.00E+01	1.31E-04	1.39E-01	0.00E+00	1.98E-04	1.39E-01
8.00E+01	1.31E-04	1.38E-01	0.00E+00	1.96E-04	1.38E-01
9.00E+01	1.31E-04	1.36E-01	0.00E+00	1.93E-04	1.37E-01
1.00E+02	1.30E-04	1.35E-01	0.00E+00	1.90E-04	1.35E-01
2.00E+02	1.25E-04	1.22E-01	0.00E+00	1.66E-04	1.22E-01
3.00E+02	1.20E-04	1.10E-01	0.00E+00	1.44E-04	1.10E-01
4.00E+02	1.15E-04	9.98E-02	0.00E+00	1.26E-04	1.00E-01
5.00E+02	1.09E-04	9.06E-02	0.00E+00	1.09E-04	9.08E-02
6.00E+02	1.04E-04	8.23E-02	0.00E+00	9.52E-05	8.25E-02
7.00E+02	9.90E-05	7.49E-02	0.00E+00	8.28E-05	7.51E-02
8.00E+02	9.40E-05	6.83E-02	0.00E+00	7.21E-05	6.84E-02
9.00E+02	8.91E-05	6.23E-02	0.00E+00	6.28E-05	6.25E-02
1.00E+03	8.43E-05	5.70E-02	0.00E+00	5.47E-05	5.71E-02
2.00E+03	4.64E-05	2.55E-02	0.00E+00	1.37E-05	2.55E-02
3.00E+03	2.43E-05	1.34E-02	0.00E+00	3.42E-06	1.34E-02
4.00E+03	1.24E-05	8.25E-03	0.00E+00	8.54E-07	8.26E-03
5.00E+03	6.26E-06	5.92E-03	0.00E+00	2.14E-07	5.92E-03
6.00E+03	3.15E-06	4.81E-03	0.00E+00	5.34E-08	4.81E-03
7.00E+03	1.58E-06	4.27E-03	0.00E+00	1.33E-08	4.27E-03
8.00E+03	7.90E-07	4.00E-03	0.00E+00	0.00E+00	4.00E-03
9.00E+03	3.95E-07	3.87E-03	0.00E+00	0.00E+00	3.87E-03
1.00E+04	1.98E-07	3.80E-03	0.00E+00	0.00E+00	3.80E-03

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		8.32E-05		1.03E-05
2.00E-01		2.30E-04		2.06E-04
3.00E-01		4.68E-04		1.03E-03
4.00E-01		8.09E-04		2.96E-03
5.00E-01		1.25E-03		6.37E-03
6.00E-01		1.77E-03		1.15E-02
7.00E-01		2.36E-03		1.83E-02
8.00E-01		3.02E-03		2.69E-02
9.00E-01		3.72E-03		3.70E-02
1.00E+00	4.45E-03	4.45E-03	4.85E-02	4.85E-02
2.00E+00	8.09E-03	1.25E-02	1.46E-01	1.94E-01
3.00E+00	7.59E-03	2.01E-02	1.17E-01	3.11E-01
4.00E+00	6.40E-03	2.65E-02	6.55E-02	3.77E-01
5.00E+00	5.24E-03	3.18E-02	3.23E-02	4.09E-01
6.00E+00	4.24E-03	3.60E-02	1.53E-02	4.24E-01
7.00E+00	3.40E-03	3.94E-02	7.21E-03	4.31E-01
8.00E+00	2.72E-03	4.21E-02	3.45E-03	4.35E-01
9.00E+00	2.18E-03	4.43E-02	1.70E-03	4.37E-01
1.00E+01	1.74E-03	4.61E-02	8.77E-04	4.37E-01
2.00E+01	2.01E-04	5.23E-02	1.22E-04	4.39E-01
3.00E+01	4.77E-05	5.32E-02	1.20E-04	4.41E-01
4.00E+01	3.24E-05	5.36E-02	1.18E-04	4.42E-01
5.00E+01	3.08E-05	5.39E-02	1.16E-04	4.43E-01
6.00E+01	3.05E-05	5.42E-02	1.15E-04	4.44E-01
7.00E+01	3.04E-05	5.45E-02	1.13E-04	4.45E-01
8.00E+01	3.03E-05	5.48E-02	1.12E-04	4.46E-01
9.00E+01	3.02E-05	5.51E-02	1.10E-04	4.47E-01
1.00E+02	3.00E-05	5.54E-02	1.09E-04	4.49E-01
2.00E+02	2.89E-05	5.83E-02	9.46E-05	4.59E-01
3.00E+02	2.77E-05	6.12E-02	8.23E-05	4.68E-01
4.00E+02	2.65E-05	6.39E-02	7.17E-05	4.75E-01
5.00E+02	2.53E-05	6.65E-02	6.24E-05	4.82E-01
7.00E+02	2.29E-05	7.13E-02	4.73E-05	4.93E-01
8.00E+02	2.17E-05	7.35E-02	4.12E-05	4.97E-01
9.00E+02	2.06E-05	7.56E-02	3.58E-05	5.01E-01
1.00E+03	1.95E-05	7.76E-02	3.12E-05	5.04E-01
2.00E+03	1.07E-05	9.24E-02	7.80E-06	5.21E-01
3.00E+03	5.60E-06	1.00E-01	1.95E-06	5.25E-01
4.00E+03	2.86E-06	1.04E-01	4.87E-07	5.27E-01
5.00E+03	1.45E-06	1.06E-01	1.22E-07	5.27E-01
7.00E+03	3.65E-07	1.08E-01	0.00E+00	5.27E-01
8.00E+03	1.83E-07	1.08E-01	0.00E+00	5.27E-01
9.00E+03	9.13E-08	1.08E-01	0.00E+00	5.27E-01
1.00E+04	4.57E-08	1.08E-01	0.00E+00	5.27E-01

CLASS Y

AMAD = 1 MICRON

HALFLIFE= 7.95E+03 DAYS

ACTINIUM 227

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	3.83E-03	3.04E-01	2.58E-01	7.30E-02	6.39E-01
2.00E-01	3.79E-03	2.85E-01	2.17E-01	1.33E-01	6.39E-01
3.00E-01	3.78E-03	2.70E-01	1.82E-01	1.82E-01	6.38E-01
4.00E-01	3.78E-03	2.57E-01	1.53E-01	2.21E-01	6.36E-01
5.00E-01	3.79E-03	2.47E-01	1.29E-01	2.52E-01	6.32E-01
6.00E-01	3.80E-03	2.38E-01	1.08E-01	2.76E-01	6.27E-01
7.00E-01	3.82E-03	2.31E-01	9.12E-02	2.93E-01	6.19E-01
8.00E-01	3.83E-03	2.24E-01	7.67E-02	3.05E-01	6.10E-01
9.00E-01	3.84E-03	2.19E-01	6.45E-02	3.12E-01	5.99E-01
1.00E+00	3.86E-03	2.13E-01	5.42E-02	3.15E-01	5.87E-01
2.00E+00	3.94E-03	1.80E-01	9.59E-03	2.32E-01	4.26E-01
3.00E+00	3.98E-03	1.65E-01	1.69E-03	1.25E-01	2.95E-01
4.00E+00	4.00E-03	1.57E-01	3.00E-04	6.06E-02	2.22E-01
5.00E+00	4.02E-03	1.53E-01	5.30E-05	2.85E-02	1.85E-01
6.00E+00	4.04E-03	1.50E-01	9.36E-06	1.34E-02	1.68E-01
7.00E+00	4.05E-03	1.49E-01	1.65E-06	6.43E-03	1.60E-01
8.00E+00	4.07E-03	1.49E-01	2.92E-07	3.17E-03	1.56E-01
9.00E+00	4.09E-03	1.48E-01	5.17E-08	1.65E-03	1.54E-01
1.00E+01	4.10E-03	1.48E-01	0.00E+00	9.19E-04	1.53E-01
2.00E+01	4.25E-03	1.46E-01	0.00E+00	2.36E-04	1.51E-01
3.00E+01	4.41E-03	1.45E-01	0.00E+00	2.32E-04	1.49E-01
4.00E+01	4.56E-03	1.43E-01	0.00E+00	2.28E-04	1.48E-01
5.00E+01	4.71E-03	1.41E-01	0.00E+00	2.25E-04	1.46E-01
6.00E+01	4.87E-03	1.40E-01	0.00E+00	2.22E-04	1.45E-01
7.00E+01	5.02E-03	1.38E-01	0.00E+00	2.18E-04	1.43E-01
8.00E+01	5.18E-03	1.37E-01	0.00E+00	2.15E-04	1.42E-01
9.00E+01	5.33E-03	1.35E-01	0.00E+00	2.12E-04	1.41E-01
1.00E+02	5.48E-03	1.34E-01	0.00E+00	2.09E-04	1.39E-01
2.00E+02	7.03E-03	1.20E-01	0.00E+00	1.80E-04	1.27E-01
3.00E+02	8.57E-03	1.07E-01	0.00E+00	1.56E-04	1.16E-01
4.00E+02	1.01E-02	9.64E-02	0.00E+00	1.34E-04	1.07E-01
5.00E+02	1.16E-02	8.67E-02	0.00E+00	1.16E-04	9.84E-02
6.00E+02	1.30E-02	7.81E-02	0.00E+00	1.00E-04	9.12E-02
7.00E+02	1.43E-02	7.05E-02	0.00E+00	8.63E-05	8.49E-02
8.00E+02	1.56E-02	6.37E-02	0.00E+00	7.45E-05	7.94E-02
9.00E+02	1.68E-02	5.76E-02	0.00E+00	6.43E-05	7.45E-02
1.00E+03	1.80E-02	5.22E-02	0.00E+00	5.55E-05	7.03E-02
2.00E+03	2.55E-02	2.14E-02	0.00E+00	1.27E-05	4.69E-02
3.00E+03	2.77E-02	1.03E-02	0.00E+00	2.91E-06	3.80E-02
4.00E+03	2.70E-02	5.82E-03	0.00E+00	6.67E-07	3.28E-02
5.00E+03	2.51E-02	3.83E-03	0.00E+00	1.53E-07	2.89E-02
7.00E+03	2.05E-02	2.32E-03	0.00E+00	0.00E+00	2.28E-02
8.00E+03	1.83E-02	1.99E-03	0.00E+00	0.00E+00	2.03E-02
9.00E+03	1.63E-02	1.77E-03	0.00E+00	0.00E+00	1.81E-02
1.00E+04	1.45E-02	1.59E-03	0.00E+00	0.00E+00	1.61E-02
2.00E+04	4.48E-03	6.54E-04	0.00E+00	0.00E+00	5.13E-03

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		8.19E-05		1.04E-05
2.00E-01		1.57E-04		2.10E-04
3.00E-01		2.15E-04		1.06E-03
4.00E-01		2.59E-04		3.07E-03
5.00E-01		2.95E-04		6.66E-03
6.00E-01		3.22E-04		1.21E-02
7.00E-01		3.44E-04		1.94E-02
8.00E-01		3.62E-04		2.86E-02
9.00E-01		3.76E-04		3.96E-02
1.00E+00	3.87E-04	3.87E-04	5.21E-02	5.21E-02
2.00E+00	4.32E-05	4.30E-04	1.61E-01	2.13E-01
3.00E+00	8.67E-06	4.39E-04	1.31E-01	3.43E-01
4.00E+00	3.71E-06	4.42E-04	7.35E-02	4.17E-01
5.00E+00	2.58E-06	4.45E-04	3.64E-02	4.53E-01
6.00E+00	2.19E-06	4.47E-04	1.72E-02	4.70E-01
7.00E+00	2.03E-06	4.49E-04	8.12E-03	4.78E-01
8.00E+00	1.95E-06	4.51E-04	3.88E-03	4.82E-01
9.00E+00	1.91E-06	4.53E-04	1.91E-03	4.84E-01
1.00E+01	1.90E-06	4.55E-04	9.84E-04	4.85E-01
2.00E+01	1.89E-06	4.73E-04	1.35E-04	4.87E-01
3.00E+01	1.90E-06	4.92E-04	1.33E-04	4.88E-01
4.00E+01	1.91E-06	5.10E-04	1.31E-04	4.89E-01
5.00E+01	1.92E-06	5.29E-04	1.29E-04	4.90E-01
7.00E+01	1.94E-06	5.67E-04	1.25E-04	4.91E-01
8.00E+01	1.95E-06	5.86E-04	1.23E-04	4.92E-01
9.00E+01	1.96E-06	6.05E-04	1.21E-04	4.93E-01
1.00E+02	1.97E-06	6.24E-04	1.20E-04	4.94E-01
2.00E+02	2.04E-06	8.18E-04	1.03E-04	5.00E-01
3.00E+02	2.09E-06	1.02E-03	8.90E-05	5.06E-01
4.00E+02	2.12E-06	1.22E-03	7.68E-05	5.09E-01
5.00E+02	2.13E-06	1.42E-03	6.63E-05	5.12E-01
7.00E+02	2.13E-06	1.82E-03	4.94E-05	5.15E-01
8.00E+02	2.11E-06	2.01E-03	4.26E-05	5.15E-01
9.00E+02	2.09E-06	2.20E-03	3.68E-05	5.14E-01
1.00E+03	2.06E-06	2.39E-03	3.17E-05	5.13E-01
2.00E+03	1.66E-06	3.98E-03	7.27E-06	4.86E-01
3.00E+03	1.32E-06	5.06E-03	1.67E-06	4.49E-01
4.00E+03	1.08E-06	5.78E-03	3.82E-07	4.12E-01
5.00E+03	9.08E-07	6.24E-03	8.75E-08	3.78E-01
7.00E+03	6.78E-07	6.68E-03	0.00E+00	3.18E-01
8.00E+03	5.94E-07	6.73E-03	0.00E+00	2.91E-01
9.00E+03	5.22E-07	6.70E-03	0.00E+00	2.67E-01
1.00E+04	4.60E-07	6.61E-03	0.00E+00	2.45E-01
2.00E+04	1.33E-07	4.36E-03	0.00E+00	1.02E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	3.84E-03	3.03E-01	2.57E-01	7.28E-02	6.37E-01
2.00E-01	3.79E-03	2.83E-01	2.15E-01	1.32E-01	6.34E-01
3.00E-01	3.75E-03	2.67E-01	1.80E-01	1.80E-01	6.31E-01
4.00E-01	3.72E-03	2.54E-01	1.51E-01	2.18E-01	6.27E-01
5.00E-01	3.68E-03	2.43E-01	1.27E-01	2.48E-01	6.21E-01
6.00E-01	3.65E-03	2.33E-01	1.06E-01	2.70E-01	6.13E-01
7.00E-01	3.62E-03	2.25E-01	8.89E-02	2.86E-01	6.04E-01
8.00E-01	3.60E-03	2.18E-01	7.45E-02	2.97E-01	5.92E-01
9.00E-01	3.58E-03	2.11E-01	6.24E-02	3.02E-01	5.80E-01
1.00E+00	3.55E-03	2.06E-01	5.23E-02	3.04E-01	5.65E-01
2.00E+00	3.38E-03	1.68E-01	8.91E-03	2.16E-01	3.96E-01
3.00E+00	3.26E-03	1.47E-01	1.52E-03	1.12E-01	2.64E-01
4.00E+00	3.15E-03	1.35E-01	2.58E-04	5.24E-02	1.91E-01
5.00E+00	3.05E-03	1.27E-01	4.40E-05	2.37E-02	1.54E-01
6.00E+00	2.95E-03	1.21E-01	7.50E-06	1.08E-02	1.34E-01
7.00E+00	2.86E-03	1.15E-01	1.28E-06	4.97E-03	1.23E-01
8.00E+00	2.76E-03	1.11E-01	2.18E-07	2.36E-03	1.16E-01
9.00E+00	2.67E-03	1.06E-01	3.71E-08	1.18E-03	1.10E-01
1.00E+01	2.59E-03	1.02E-01	0.00E+00	6.36E-04	1.05E-01
2.00E+01	1.85E-03	6.98E-02	0.00E+00	1.13E-04	7.18E-02
3.00E+01	1.33E-03	4.77E-02	0.00E+00	7.65E-05	4.91E-02
4.00E+01	9.51E-04	3.26E-02	0.00E+00	5.21E-05	3.36E-02
5.00E+01	6.80E-04	2.23E-02	0.00E+00	3.55E-05	2.30E-02
6.00E+01	4.85E-04	1.52E-02	0.00E+00	2.42E-05	1.57E-02
7.00E+01	3.46E-04	1.04E-02	0.00E+00	1.65E-05	1.08E-02
8.00E+01	2.47E-04	7.12E-03	0.00E+00	1.12E-05	7.38E-03
9.00E+01	1.76E-04	4.86E-03	0.00E+00	7.64E-06	5.05E-03
1.00E+02	1.25E-04	3.33E-03	0.00E+00	5.20E-06	3.46E-03
2.00E+02	3.98E-06	7.41E-05	0.00E+00	1.12E-07	7.81E-05
3.00E+02	1.20E-07	1.65E-06	0.00E+00	0.00E+00	1.77E-06

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		4.35E-05		1.08E-05
2.00E-01		8.80E-05		2.09E-04
3.00E-01		1.27E-04		1.05E-03
4.00E-01		1.60E-04		3.03E-03
5.00E-01		1.89E-04		6.55E-03
6.00E-01		2.14E-04		1.18E-02
7.00E-01		2.36E-04		1.89E-02
8.00E-01		2.55E-04		2.78E-02
9.00E-01		2.71E-04		3.83E-02
1.00E+00	2.85E-04	2.85E-04	5.02E-02	5.02E-02
2.00E+00	7.51E-05	3.49E-04	1.49E-01	1.98E-01
3.00E+00	2.07E-05	3.57E-04	1.17E-01	3.08E-01
4.00E+00	6.99E-06	3.51E-04	6.35E-02	3.60E-01
5.00E+00	3.51E-06	3.42E-04	3.03E-02	3.77E-01
6.00E+00	2.56E-06	3.32E-04	1.38E-02	3.77E-01
7.00E+00	2.25E-06	3.22E-04	6.27E-03	3.70E-01
8.00E+00	2.11E-06	3.13E-04	2.89E-03	3.59E-01
9.00E+00	2.02E-06	3.03E-04	1.37E-03	3.48E-01
1.00E+01	1.94E-06	2.94E-04	6.81E-04	3.36E-01
2.00E+01	1.36E-06	2.17E-04	6.47E-05	2.33E-01
3.00E+01	9.53E-07	1.59E-04	4.38E-05	1.61E-01
4.00E+01	6.68E-07	1.17E-04	2.98E-05	1.12E-01
5.00E+01	4.68E-07	8.51E-05	2.03E-05	7.73E-02
6.00E+01	3.28E-07	6.20E-05	1.38E-05	5.35E-02
7.00E+01	2.30E-07	4.51E-05	9.42E-06	3.70E-02
8.00E+01	1.61E-07	3.28E-05	6.42E-06	2.56E-02
9.00E+01	1.12E-07	2.37E-05	4.37E-06	1.77E-02
1.00E+02	7.87E-08	1.72E-05	2.98E-06	1.23E-02

CLASS Y

AMAD = 1 MICRON

HALFLIFE= 2.81E+07 DAYS

THORIUM 230

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	3.86E-03	3.04E-01	2.58E-01	7.31E-02	6.39E-01
2.00E-01	3.82E-03	2.85E-01	2.17E-01	1.33E-01	6.39E-01
3.00E-01	3.79E-03	2.70E-01	1.82E-01	1.82E-01	6.38E-01
4.00E-01	3.77E-03	2.57E-01	1.53E-01	2.21E-01	6.36E-01
5.00E-01	3.75E-03	2.47E-01	1.29E-01	2.52E-01	6.32E-01
6.00E-01	3.73E-03	2.38E-01	1.08E-01	2.76E-01	6.27E-01
7.00E-01	3.72E-03	2.31E-01	9.12E-02	2.94E-01	6.19E-01
8.00E-01	3.71E-03	2.24E-01	7.67E-02	3.05E-01	6.10E-01
9.00E-01	3.70E-03	2.19E-01	6.45E-02	3.13E-01	5.99E-01
1.00E+00	3.69E-03	2.13E-01	5.42E-02	3.15E-01	5.87E-01
2.00E+00	3.65E-03	1.80E-01	9.59E-03	2.32E-01	4.26E-01
3.00E+00	3.65E-03	1.65E-01	1.70E-03	1.25E-01	2.95E-01
4.00E+00	3.66E-03	1.57E-01	3.00E-04	6.07E-02	2.21E-01
5.00E+00	3.67E-03	1.53E-01	5.30E-05	2.86E-02	1.85E-01
6.00E+00	3.69E-03	1.51E-01	9.37E-06	1.34E-02	1.68E-01
7.00E+00	3.70E-03	1.49E-01	1.66E-06	6.44E-03	1.60E-01
8.00E+00	3.71E-03	1.49E-01	2.93E-07	3.18E-03	1.56E-01
9.00E+00	3.73E-03	1.48E-01	5.17E-08	1.65E-03	1.54E-01
1.00E+01	3.74E-03	1.48E-01	0.00E+00	9.20E-04	1.53E-01
2.00E+01	3.89E-03	1.46E-01	0.00E+00	2.36E-04	1.51E-01
3.00E+01	4.04E-03	1.45E-01	0.00E+00	2.32E-04	1.49E-01
4.00E+01	4.18E-03	1.43E-01	0.00E+00	2.29E-04	1.48E-01
5.00E+01	4.33E-03	1.42E-01	0.00E+00	2.26E-04	1.47E-01
6.00E+01	4.48E-03	1.41E-01	0.00E+00	2.23E-04	1.45E-01
7.00E+01	4.62E-03	1.39E-01	0.00E+00	2.20E-04	1.44E-01
8.00E+01	4.77E-03	1.38E-01	0.00E+00	2.17E-04	1.43E-01
9.00E+01	4.92E-03	1.36E-01	0.00E+00	2.14E-04	1.41E-01
1.00E+02	5.07E-03	1.35E-01	0.00E+00	2.11E-04	1.40E-01
2.00E+02	6.55E-03	1.22E-01	0.00E+00	1.84E-04	1.29E-01
3.00E+02	8.02E-03	1.10E-01	0.00E+00	1.60E-04	1.18E-01
4.00E+02	9.46E-03	9.98E-02	0.00E+00	1.39E-04	1.09E-01
5.00E+02	1.09E-02	9.06E-02	0.00E+00	1.21E-04	1.02E-01
6.00E+02	1.22E-02	8.23E-02	0.00E+00	1.05E-04	9.46E-02
7.00E+02	1.35E-02	7.49E-02	0.00E+00	9.18E-05	8.85E-02
8.00E+02	1.47E-02	6.83E-02	0.00E+00	7.99E-05	8.31E-02
9.00E+02	1.59E-02	6.23E-02	0.00E+00	6.96E-05	7.83E-02
1.00E+03	1.70E-02	5.70E-02	0.00E+00	6.06E-05	7.41E-02
2.00E+03	2.44E-02	2.55E-02	0.00E+00	1.51E-05	4.98E-02
3.00E+03	2.68E-02	1.34E-02	0.00E+00	3.78E-06	4.02E-02
4.00E+03	2.67E-02	8.25E-03	0.00E+00	9.46E-07	3.50E-02
5.00E+03	2.55E-02	5.92E-03	0.00E+00	2.37E-07	3.14E-02
7.00E+03	2.20E-02	4.27E-03	0.00E+00	1.48E-08	2.63E-02
8.00E+03	2.03E-02	4.00E-03	0.00E+00	0.00E+00	2.43E-02
9.00E+03	1.87E-02	3.87E-03	0.00E+00	0.00E+00	2.25E-02
1.00E+04	1.71E-02	3.80E-03	0.00E+00	0.00E+00	2.09E-02
2.00E+04	7.21E-03	3.74E-03	0.00E+00	0.00E+00	1.09E-02

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		4.37E-05		1.09E-05
2.00E-01		8.87E-05		2.11E-04
3.00E-01		1.28E-04		1.06E-03
4.00E-01		1.62E-04		3.07E-03
5.00E-01		1.93E-04		6.67E-03
6.00E-01		2.19E-04		1.21E-02
7.00E-01		2.42E-04		1.94E-02
8.00E-01		2.62E-04		2.86E-02
9.00E-01		2.80E-04		3.96E-02
1.00E+00	2.95E-04	2.95E-04	5.21E-02	5.21E-02
2.00E+00	8.09E-05	3.76E-04	1.61E-01	2.13E-01
3.00E+00	2.31E-05	3.99E-04	1.31E-01	3.44E-01
4.00E+00	8.11E-06	4.07E-04	7.36E-02	4.17E-01
5.00E+00	4.22E-06	4.12E-04	3.64E-02	4.54E-01
6.00E+00	3.19E-06	4.15E-04	1.73E-02	4.71E-01
7.00E+00	2.92E-06	4.18E-04	8.13E-03	4.79E-01
8.00E+00	2.84E-06	4.21E-04	3.88E-03	4.83E-01
9.00E+00	2.82E-06	4.23E-04	1.91E-03	4.85E-01
1.00E+01	2.81E-06	4.26E-04	9.85E-04	4.86E-01
2.00E+01	2.85E-06	4.55E-04	1.36E-04	4.88E-01
3.00E+01	2.89E-06	4.83E-04	1.33E-04	4.89E-01
4.00E+01	2.94E-06	5.12E-04	1.31E-04	4.91E-01
5.00E+01	2.98E-06	5.42E-04	1.29E-04	4.92E-01
7.00E+01	3.07E-06	6.03E-04	1.26E-04	4.95E-01
8.00E+01	3.11E-06	6.34E-04	1.24E-04	4.96E-01
9.00E+01	3.15E-06	6.65E-04	1.22E-04	4.97E-01
1.00E+02	3.19E-06	6.97E-04	1.21E-04	4.98E-01
2.00E+02	3.58E-06	1.04E-03	1.05E-04	5.10E-01
3.00E+02	3.93E-06	1.41E-03	9.15E-05	5.19E-01
4.00E+02	4.24E-06	1.82E-03	7.97E-05	5.28E-01
5.00E+02	4.51E-06	2.26E-03	6.94E-05	5.35E-01
7.00E+02	4.95E-06	3.21E-03	5.26E-05	5.47E-01
8.00E+02	5.11E-06	3.71E-03	4.58E-05	5.52E-01
9.00E+02	5.25E-06	4.23E-03	3.99E-05	5.57E-01
1.00E+03	5.36E-06	4.76E-03	3.47E-05	5.60E-01
2.00E+03	5.36E-06	1.02E-02	8.72E-06	5.79E-01
3.00E+03	4.51E-06	1.52E-02	2.21E-06	5.84E-01
4.00E+03	3.64E-06	1.93E-02	5.78E-07	5.85E-01
5.00E+03	2.96E-06	2.25E-02	1.65E-07	5.85E-01
7.00E+03	2.13E-06	2.75E-02	2.97E-08	5.85E-01
8.00E+03	1.87E-06	2.95E-02	2.08E-08	5.85E-01
9.00E+03	1.68E-06	3.13E-02	1.73E-08	5.85E-01
1.00E+04	1.51E-06	3.29E-02	1.53E-08	5.85E-01
2.00E+04	6.25E-07	4.29E-02	0.00E+00	5.85E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	3.86E-03	3.04E-01	2.58E-01	7.31E-02	6.39E-01
2.00E-01	3.82E-03	2.85E-01	2.17E-01	1.33E-01	6.39E-01
3.00E-01	3.79E-03	2.70E-01	1.82E-01	1.82E-01	6.38E-01
4.00E-01	3.77E-03	2.57E-01	1.53E-01	2.21E-01	6.36E-01
5.00E-01	3.75E-03	2.47E-01	1.29E-01	2.52E-01	6.32E-01
6.00E-01	3.73E-03	2.38E-01	1.08E-01	2.76E-01	6.27E-01
7.00E-01	3.72E-03	2.31E-01	9.12E-02	2.94E-01	6.19E-01
8.00E-01	3.71E-03	2.24E-01	7.67E-02	3.05E-01	6.10E-01
9.00E-01	3.70E-03	2.19E-01	6.45E-02	3.13E-01	5.99E-01
1.00E+00	3.69E-03	2.13E-01	5.42E-02	3.15E-01	5.87E-01
2.00E+00	3.65E-03	1.80E-01	9.59E-03	2.32E-01	4.26E-01
3.00E+00	3.65E-03	1.65E-01	1.70E-03	1.25E-01	2.95E-01
4.00E+00	3.66E-03	1.57E-01	3.00E-04	6.07E-02	2.21E-01
5.00E+00	3.67E-03	1.53E-01	5.30E-05	2.86E-02	1.85E-01
6.00E+00	3.69E-03	1.51E-01	9.37E-06	1.34E-02	1.68E-01
7.00E+00	3.70E-03	1.49E-01	1.66E-06	6.44E-03	1.60E-01
8.00E+00	3.71E-03	1.49E-01	2.93E-07	3.18E-03	1.56E-01
9.00E+00	3.73E-03	1.48E-01	5.17E-08	1.65E-03	1.54E-01
1.00E+01	3.74E-03	1.48E-01	0.00E+00	9.20E-04	1.53E-01
2.00E+01	3.89E-03	1.46E-01	0.00E+00	2.36E-04	1.51E-01
3.00E+01	4.04E-03	1.45E-01	0.00E+00	2.32E-04	1.49E-01
4.00E+01	4.18E-03	1.43E-01	0.00E+00	2.29E-04	1.48E-01
5.00E+01	4.33E-03	1.42E-01	0.00E+00	2.26E-04	1.47E-01
6.00E+01	4.48E-03	1.41E-01	0.00E+00	2.23E-04	1.45E-01
7.00E+01	4.62E-03	1.39E-01	0.00E+00	2.20E-04	1.44E-01
8.00E+01	4.77E-03	1.38E-01	0.00E+00	2.17E-04	1.43E-01
9.00E+01	4.92E-03	1.36E-01	0.00E+00	2.14E-04	1.41E-01
1.00E+02	5.07E-03	1.35E-01	0.00E+00	2.11E-04	1.40E-01
2.00E+02	6.55E-03	1.22E-01	0.00E+00	1.84E-04	1.29E-01
3.00E+02	8.02E-03	1.10E-01	0.00E+00	1.60E-04	1.18E-01
4.00E+02	9.46E-03	9.98E-02	0.00E+00	1.39E-04	1.09E-01
5.00E+02	1.09E-02	9.06E-02	0.00E+00	1.21E-04	1.02E-01
6.00E+02	1.22E-02	8.23E-02	0.00E+00	1.05E-04	9.46E-02
7.00E+02	1.35E-02	7.49E-02	0.00E+00	9.18E-05	8.85E-02
8.00E+02	1.47E-02	6.83E-02	0.00E+00	7.99E-05	8.31E-02
9.00E+02	1.59E-02	6.23E-02	0.00E+00	6.96E-05	7.83E-02
1.00E+03	1.70E-02	5.70E-02	0.00E+00	6.06E-05	7.41E-02
2.00E+03	2.44E-02	2.55E-02	0.00E+00	1.51E-05	4.98E-02
3.00E+03	2.68E-02	1.34E-02	0.00E+00	3.79E-06	4.02E-02
4.00E+03	2.67E-02	8.25E-03	0.00E+00	9.46E-07	3.50E-02
5.00E+03	2.55E-02	5.92E-03	0.00E+00	2.37E-07	3.14E-02
7.00E+03	2.20E-02	4.27E-03	0.00E+00	1.48E-08	2.63E-02
8.00E+03	2.03E-02	4.00E-03	0.00E+00	0.00E+00	2.43E-02
9.00E+03	1.87E-02	3.87E-03	0.00E+00	0.00E+00	2.25E-02
1.00E+04	1.71E-02	3.80E-03	0.00E+00	0.00E+00	2.09E-02
2.00E+04	7.22E-03	3.74E-03	0.00E+00	0.00E+00	1.10E-02

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		4.37E-05		1.09E-05
2.00E-01		8.87E-05		2.11E-04
3.00E-01		1.28E-04		1.06E-03
4.00E-01		1.62E-04		3.07E-03
5.00E-01		1.93E-04		6.67E-03
6.00E-01		2.19E-04		1.21E-02
7.00E-01		2.42E-04		1.94E-02
8.00E-01		2.62E-04		2.86E-02
9.00E-01		2.80E-04		3.96E-02
1.00E+00	2.95E-04	2.95E-04	5.21E-02	5.21E-02
2.00E+00	8.09E-05	3.76E-04	1.61E-01	2.13E-01
3.00E+00	2.31E-05	3.99E-04	1.31E-01	3.44E-01
4.00E+00	8.11E-06	4.07E-04	7.36E-02	4.17E-01
5.00E+00	4.22E-06	4.12E-04	3.64E-02	4.54E-01
6.00E+00	3.19E-06	4.15E-04	1.73E-02	4.71E-01
7.00E+00	2.92E-06	4.18E-04	8.13E-03	4.79E-01
8.00E+00	2.84E-06	4.21E-04	3.88E-03	4.83E-01
9.00E+00	2.82E-06	4.23E-04	1.91E-03	4.85E-01
1.00E+01	2.81E-06	4.26E-04	9.85E-04	4.86E-01
2.00E+01	2.85E-06	4.55E-04	1.36E-04	4.88E-01
3.00E+01	2.89E-06	4.83E-04	1.33E-04	4.89E-01
4.00E+01	2.94E-06	5.12E-04	1.31E-04	4.91E-01
5.00E+01	2.98E-06	5.42E-04	1.29E-04	4.92E-01
7.00E+01	3.07E-06	6.03E-04	1.26E-04	4.95E-01
8.00E+01	3.11E-06	6.34E-04	1.24E-04	4.96E-01
9.00E+01	3.15E-06	6.65E-04	1.22E-04	4.97E-01
1.00E+02	3.19E-06	6.97E-04	1.21E-04	4.98E-01
2.00E+02	3.58E-06	1.04E-03	1.05E-04	5.10E-01
3.00E+02	3.93E-06	1.41E-03	9.15E-05	5.19E-01
4.00E+02	4.24E-06	1.82E-03	7.97E-05	5.28E-01
5.00E+02	4.51E-06	2.26E-03	6.94E-05	5.35E-01
7.00E+02	4.95E-06	3.21E-03	5.26E-05	5.47E-01
8.00E+02	5.11E-06	3.71E-03	4.58E-05	5.52E-01
9.00E+02	5.25E-06	4.23E-03	3.99E-05	5.57E-01
1.00E+03	5.36E-06	4.76E-03	3.47E-05	5.60E-01
2.00E+03	5.36E-06	1.02E-02	8.72E-06	5.79E-01
3.00E+03	4.51E-06	1.52E-02	2.21E-06	5.84E-01
4.00E+03	3.64E-06	1.93E-02	5.78E-07	5.85E-01
5.00E+03	2.96E-06	2.26E-02	1.65E-07	5.85E-01
7.00E+03	2.13E-06	2.75E-02	2.97E-08	5.86E-01
8.00E+03	1.87E-06	2.95E-02	2.09E-08	5.86E-01
9.00E+03	1.68E-06	3.13E-02	1.73E-08	5.86E-01
1.00E+04	1.52E-06	3.29E-02	1.53E-08	5.86E-01
2.00E+04	6.25E-07	4.29E-02	0.00E+00	5.86E-01

CLASS Y

AMAD = 1 MICRON

HALFLIFE= 2.41E+01 DAYS

THORIUM 234

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	3.84E-03	3.03E-01	2.57E-01	7.28E-02	6.37E-01
2.00E-01	3.80E-03	2.83E-01	2.16E-01	1.32E-01	6.35E-01
3.00E-01	3.76E-03	2.68E-01	1.81E-01	1.80E-01	6.32E-01
4.00E-01	3.73E-03	2.54E-01	1.52E-01	2.19E-01	6.29E-01
5.00E-01	3.70E-03	2.44E-01	1.27E-01	2.49E-01	6.23E-01
6.00E-01	3.67E-03	2.34E-01	1.07E-01	2.71E-01	6.16E-01
7.00E-01	3.65E-03	2.26E-01	8.94E-02	2.88E-01	6.07E-01
8.00E-01	3.62E-03	2.19E-01	7.50E-02	2.99E-01	5.96E-01
9.00E-01	3.60E-03	2.13E-01	6.29E-02	3.05E-01	5.84E-01
1.00E+00	3.58E-03	2.07E-01	5.27E-02	3.07E-01	5.70E-01
2.00E+00	3.44E-03	1.70E-01	9.05E-03	2.19E-01	4.02E-01
3.00E+00	3.34E-03	1.51E-01	1.56E-03	1.15E-01	2.71E-01
4.00E+00	3.26E-03	1.40E-01	2.67E-04	5.41E-02	1.97E-01
5.00E+00	3.18E-03	1.32E-01	4.59E-05	2.47E-02	1.60E-01
6.00E+00	3.10E-03	1.27E-01	7.88E-06	1.13E-02	1.41E-01
7.00E+00	3.03E-03	1.22E-01	1.35E-06	5.26E-03	1.30E-01
8.00E+00	2.95E-03	1.18E-01	2.33E-07	2.53E-03	1.24E-01
9.00E+00	2.88E-03	1.15E-01	3.99E-08	1.27E-03	1.19E-01
1.00E+01	2.81E-03	1.11E-01	0.00E+00	6.90E-04	1.15E-01
2.00E+01	2.19E-03	8.24E-02	0.00E+00	1.33E-04	8.47E-02
3.00E+01	1.70E-03	6.12E-02	0.00E+00	9.81E-05	6.30E-02
4.00E+01	1.32E-03	4.54E-02	0.00E+00	7.25E-05	4.68E-02
5.00E+01	1.03E-03	3.37E-02	0.00E+00	5.37E-05	3.48E-02
6.00E+01	7.97E-04	2.50E-02	0.00E+00	3.97E-05	2.59E-02
7.00E+01	6.17E-04	1.86E-02	0.00E+00	2.94E-05	1.92E-02
8.00E+01	4.78E-04	1.38E-02	0.00E+00	2.17E-05	1.43E-02
9.00E+01	3.70E-04	1.02E-02	0.00E+00	1.61E-05	1.06E-02
1.00E+02	2.86E-04	7.60E-03	0.00E+00	1.19E-05	7.90E-03
2.00E+02	2.08E-05	3.87E-04	0.00E+00	5.83E-07	4.08E-04
3.00E+02	1.43E-06	1.97E-05	0.00E+00	2.86E-08	2.12E-05
4.00E+02	9.54E-08	1.01E-06	0.00E+00	0.00E+00	1.10E-06

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		4.35E-05		1.09E-05
2.00E-01		8.82E-05		2.10E-04
3.00E-01		1.27E-04		1.05E-03
4.00E-01		1.61E-04		3.04E-03
5.00E-01		1.90E-04		6.57E-03
6.00E-01		2.15E-04		1.19E-02
7.00E-01		2.37E-04		1.90E-02
8.00E-01		2.56E-04		2.80E-02
9.00E-01		2.73E-04		3.86E-02
1.00E+00	2.87E-04	2.87E-04	5.06E-02	5.06E-02
2.00E+00	7.64E-05	3.55E-04	1.52E-01	2.01E-01
3.00E+00	2.12E-05	3.66E-04	1.20E-01	3.15E-01
4.00E+00	7.23E-06	3.63E-04	6.56E-02	3.72E-01
5.00E+00	3.65E-06	3.57E-04	3.15E-02	3.93E-01
6.00E+00	2.69E-06	3.49E-04	1.45E-02	3.96E-01
7.00E+00	2.38E-06	3.42E-04	6.65E-03	3.92E-01
8.00E+00	2.26E-06	3.34E-04	3.09E-03	3.84E-01
9.00E+00	2.17E-06	3.27E-04	1.47E-03	3.74E-01
1.00E+01	2.11E-06	3.20E-04	7.39E-04	3.64E-01
2.00E+01	1.60E-06	2.56E-04	7.63E-05	2.75E-01
3.00E+01	1.22E-06	2.04E-04	5.61E-05	2.07E-01
4.00E+01	9.30E-07	1.62E-04	4.15E-05	1.55E-01
5.00E+01	7.08E-07	1.29E-04	3.07E-05	1.17E-01
6.00E+01	5.38E-07	1.02E-04	2.27E-05	8.78E-02
7.00E+01	4.10E-07	8.05E-05	1.68E-05	6.61E-02
8.00E+01	3.11E-07	6.35E-05	1.24E-05	4.97E-02
9.00E+01	2.37E-07	4.99E-05	9.20E-06	3.73E-02
1.00E+02	1.80E-07	3.93E-05	6.80E-06	2.81E-02
2.00E+02	1.14E-08	3.29E-06	3.34E-07	1.62E-03

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	3.55E-03	3.04E-01	2.58E-01	7.30E-02	6.39E-01
2.00E-01	3.26E-03	2.85E-01	2.17E-01	1.33E-01	6.38E-01
3.00E-01	3.06E-03	2.70E-01	1.82E-01	1.82E-01	6.37E-01
4.00E-01	2.91E-03	2.57E-01	1.53E-01	2.21E-01	6.35E-01
5.00E-01	2.80E-03	2.47E-01	1.29E-01	2.52E-01	6.31E-01
6.00E-01	2.72E-03	2.38E-01	1.08E-01	2.76E-01	6.26E-01
7.00E-01	2.65E-03	2.31E-01	9.12E-02	2.93E-01	6.18E-01
8.00E-01	2.61E-03	2.24E-01	7.67E-02	3.05E-01	6.09E-01
9.00E-01	2.57E-03	2.19E-01	6.45E-02	3.12E-01	5.98E-01
1.00E+00	2.54E-03	2.13E-01	5.42E-02	3.15E-01	5.85E-01
2.00E+00	2.45E-03	1.80E-01	9.59E-03	2.32E-01	4.25E-01
3.00E+00	2.43E-03	1.65E-01	1.70E-03	1.25E-01	2.94E-01
4.00E+00	2.41E-03	1.57E-01	3.00E-04	6.07E-02	2.20E-01
5.00E+00	2.40E-03	1.53E-01	5.30E-05	2.85E-02	1.84E-01
6.00E+00	2.38E-03	1.51E-01	9.37E-06	1.34E-02	1.66E-01
7.00E+00	2.37E-03	1.49E-01	1.66E-06	6.43E-03	1.58E-01
8.00E+00	2.35E-03	1.49E-01	2.93E-07	3.18E-03	1.54E-01
9.00E+00	2.34E-03	1.48E-01	5.17E-08	1.65E-03	1.52E-01
1.00E+01	2.33E-03	1.48E-01	0.00E+00	9.20E-04	1.51E-01
2.00E+01	2.27E-03	1.46E-01	0.00E+00	2.36E-04	1.49E-01
3.00E+01	2.27E-03	1.45E-01	0.00E+00	2.32E-04	1.47E-01
4.00E+01	2.30E-03	1.43E-01	0.00E+00	2.29E-04	1.46E-01
5.00E+01	2.34E-03	1.42E-01	0.00E+00	2.26E-04	1.45E-01
6.00E+01	2.39E-03	1.41E-01	0.00E+00	2.23E-04	1.43E-01
7.00E+01	2.45E-03	1.39E-01	0.00E+00	2.20E-04	1.42E-01
8.00E+01	2.51E-03	1.38E-01	0.00E+00	2.17E-04	1.40E-01
9.00E+01	2.58E-03	1.36E-01	0.00E+00	2.14E-04	1.39E-01
1.00E+02	2.64E-03	1.35E-01	0.00E+00	2.11E-04	1.38E-01
2.00E+02	3.33E-03	1.22E-01	0.00E+00	1.83E-04	1.25E-01
3.00E+02	4.06E-03	1.10E-01	0.00E+00	1.60E-04	1.14E-01
4.00E+02	4.79E-03	9.98E-02	0.00E+00	1.39E-04	1.05E-01
5.00E+02	5.52E-03	9.06E-02	0.00E+00	1.21E-04	9.62E-02
6.00E+02	6.23E-03	8.23E-02	0.00E+00	1.05E-04	8.86E-02
7.00E+02	6.93E-03	7.49E-02	0.00E+00	9.17E-05	8.19E-02
8.00E+02	7.61E-03	6.83E-02	0.00E+00	7.98E-05	7.60E-02
9.00E+02	8.27E-03	6.23E-02	0.00E+00	6.95E-05	7.07E-02
1.00E+03	8.90E-03	5.70E-02	0.00E+00	6.05E-05	6.60E-02
2.00E+03	1.38E-02	2.55E-02	0.00E+00	1.51E-05	3.93E-02
3.00E+03	1.64E-02	1.34E-02	0.00E+00	3.78E-06	2.98E-02
4.00E+03	1.77E-02	8.25E-03	0.00E+00	9.45E-07	2.59E-02
5.00E+03	1.81E-02	5.91E-03	0.00E+00	2.36E-07	2.40E-02
7.00E+03	1.81E-02	4.27E-03	0.00E+00	1.48E-08	2.23E-02
8.00E+03	1.78E-02	4.00E-03	0.00E+00	0.00E+00	2.18E-02
9.00E+03	1.75E-02	3.87E-03	0.00E+00	0.00E+00	2.14E-02
1.00E+04	1.72E-02	3.80E-03	0.00E+00	0.00E+00	2.10E-02
2.00E+04	1.43E-02	3.73E-03	0.00E+00	0.00E+00	1.80E-02

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		3.56E-04		1.04E-05
2.00E-01		6.82E-04		2.10E-04
3.00E-01		9.38E-04		1.06E-03
4.00E-01		1.14E-03		3.07E-03
5.00E-01		1.29E-03		6.66E-03
6.00E-01		1.42E-03		1.21E-02
7.00E-01		1.52E-03		1.94E-02
8.00E-01		1.60E-03		2.86E-02
9.00E-01		1.66E-03		3.96E-02
1.00E+00	1.71E-03	1.71E-03	5.21E-02	5.21E-02
2.00E+00	2.30E-04	1.94E-03	1.61E-01	2.13E-01
3.00E+00	8.00E-05	2.02E-03	1.31E-01	3.43E-01
4.00E+00	5.70E-05	2.08E-03	7.36E-02	4.17E-01
5.00E+00	5.04E-05	2.13E-03	3.64E-02	4.53E-01
6.00E+00	4.72E-05	2.18E-03	1.72E-02	4.71E-01
7.00E+00	4.50E-05	2.22E-03	8.12E-03	4.79E-01
8.00E+00	4.33E-05	2.27E-03	3.88E-03	4.83E-01
9.00E+00	4.18E-05	2.31E-03	1.91E-03	4.85E-01
1.00E+01	4.05E-05	2.35E-03	9.85E-04	4.86E-01
2.00E+01	3.18E-05	2.70E-03	1.35E-04	4.88E-01
3.00E+01	2.73E-05	2.99E-03	1.33E-04	4.89E-01
4.00E+01	2.49E-05	3.25E-03	1.31E-04	4.90E-01
5.00E+01	2.35E-05	3.49E-03	1.29E-04	4.92E-01
6.00E+01	2.26E-05	3.72E-03	1.27E-04	4.93E-01
7.00E+01	2.21E-05	3.94E-03	1.26E-04	4.94E-01
8.00E+01	2.17E-05	4.16E-03	1.24E-04	4.95E-01
9.00E+01	2.14E-05	4.38E-03	1.22E-04	4.97E-01
1.00E+02	2.11E-05	4.59E-03	1.21E-04	4.98E-01
2.00E+02	1.97E-05	6.62E-03	1.05E-04	5.09E-01
3.00E+02	1.92E-05	8.56E-03	9.14E-05	5.19E-01
4.00E+02	1.88E-05	1.05E-02	7.95E-05	5.27E-01
5.00E+02	1.86E-05	1.23E-02	6.93E-05	5.35E-01
7.00E+02	1.79E-05	1.60E-02	5.25E-05	5.47E-01
8.00E+02	1.74E-05	1.77E-02	4.57E-05	5.52E-01
9.00E+02	1.69E-05	1.95E-02	3.98E-05	5.56E-01
1.00E+03	1.64E-05	2.11E-02	3.46E-05	5.60E-01
2.00E+03	1.02E-05	3.44E-02	8.66E-06	5.79E-01
3.00E+03	5.61E-06	4.21E-02	2.16E-06	5.83E-01
4.00E+03	2.93E-06	4.62E-02	5.41E-07	5.84E-01
5.00E+03	1.50E-06	4.84E-02	1.35E-07	5.85E-01
7.00E+03	3.80E-07	5.00E-02	0.00E+00	5.85E-01
8.00E+03	1.91E-07	5.03E-02	0.00E+00	5.85E-01
9.00E+03	9.54E-08	5.04E-02	0.00E+00	5.85E-01
1.00E+04	4.77E-08	5.05E-02	0.00E+00	5.84E-01

CLASS Y

AMAD = 1 MICRON

HALFLIFE= 2.57E+11 DAYS

URANIUM 235

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	3.54E-03	3.04E-01	2.58E-01	7.30E-02	6.39E-01
2.00E-01	3.24E-03	2.85E-01	2.17E-01	1.33E-01	6.38E-01
3.00E-01	3.02E-03	2.70E-01	1.82E-01	1.82E-01	6.37E-01
4.00E-01	2.86E-03	2.57E-01	1.53E-01	2.21E-01	6.35E-01
5.00E-01	2.73E-03	2.47E-01	1.29E-01	2.52E-01	6.31E-01
6.00E-01	2.63E-03	2.38E-01	1.08E-01	2.76E-01	6.25E-01
7.00E-01	2.54E-03	2.31E-01	9.12E-02	2.93E-01	6.18E-01
8.00E-01	2.46E-03	2.24E-01	7.67E-02	3.05E-01	6.09E-01
9.00E-01	2.40E-03	2.19E-01	6.45E-02	3.12E-01	5.97E-01
1.00E+00	2.34E-03	2.13E-01	5.42E-02	3.15E-01	5.85E-01
2.00E+00	2.02E-03	1.80E-01	9.59E-03	2.32E-01	4.24E-01
3.00E+00	1.87E-03	1.65E-01	1.70E-03	1.25E-01	2.93E-01
4.00E+00	1.76E-03	1.57E-01	3.00E-04	6.06E-02	2.19E-01
5.00E+00	1.65E-03	1.53E-01	5.30E-05	2.85E-02	1.83E-01
6.00E+00	1.56E-03	1.51E-01	9.37E-06	1.34E-02	1.66E-01
7.00E+00	1.47E-03	1.49E-01	1.66E-06	6.42E-03	1.57E-01
8.00E+00	1.39E-03	1.49E-01	2.93E-07	3.17E-03	1.53E-01
9.00E+00	1.32E-03	1.48E-01	5.17E-08	1.64E-03	1.51E-01
1.00E+01	1.25E-03	1.48E-01	0.00E+00	9.19E-04	1.50E-01
2.00E+01	8.23E-04	1.46E-01	0.00E+00	2.36E-04	1.48E-01
3.00E+01	6.20E-04	1.45E-01	0.00E+00	2.32E-04	1.46E-01
4.00E+01	5.08E-04	1.43E-01	0.00E+00	2.29E-04	1.44E-01
5.00E+01	4.40E-04	1.42E-01	0.00E+00	2.26E-04	1.43E-01
6.00E+01	3.97E-04	1.41E-01	0.00E+00	2.23E-04	1.41E-01
7.00E+01	3.69E-04	1.39E-01	0.00E+00	2.19E-04	1.40E-01
8.00E+01	3.50E-04	1.38E-01	0.00E+00	2.16E-04	1.38E-01
9.00E+01	3.38E-04	1.36E-01	0.00E+00	2.13E-04	1.37E-01
1.00E+02	3.32E-04	1.35E-01	0.00E+00	2.11E-04	1.35E-01
2.00E+02	3.50E-04	1.22E-01	0.00E+00	1.83E-04	1.22E-01
3.00E+02	3.92E-04	1.10E-01	0.00E+00	1.60E-04	1.11E-01
4.00E+02	4.33E-04	9.98E-02	0.00E+00	1.39E-04	1.00E-01
5.00E+02	4.71E-04	9.06E-02	0.00E+00	1.21E-04	9.12E-02
6.00E+02	5.08E-04	8.23E-02	0.00E+00	1.05E-04	8.29E-02
7.00E+02	5.42E-04	7.49E-02	0.00E+00	9.16E-05	7.55E-02
8.00E+02	5.74E-04	6.83E-02	0.00E+00	7.98E-05	6.89E-02
9.00E+02	6.03E-04	6.23E-02	0.00E+00	6.94E-05	6.30E-02
1.00E+03	6.30E-04	5.70E-02	0.00E+00	6.05E-05	5.77E-02
2.00E+03	7.97E-04	2.55E-02	0.00E+00	1.51E-05	2.63E-02
3.00E+03	8.27E-04	1.34E-02	0.00E+00	3.78E-06	1.42E-02
4.00E+03	7.87E-04	8.25E-03	0.00E+00	9.45E-07	9.04E-03
5.00E+03	7.18E-04	5.92E-03	0.00E+00	2.36E-07	6.63E-03
7.00E+03	5.66E-04	4.27E-03	0.00E+00	1.48E-08	4.83E-03
8.00E+03	4.96E-04	4.00E-03	0.00E+00	0.00E+00	4.50E-03
9.00E+03	4.33E-04	3.87E-03	0.00E+00	0.00E+00	4.30E-03
1.00E+04	3.78E-04	3.80E-03	0.00E+00	0.00E+00	4.18E-03
2.00E+04	9.44E-05	3.74E-03	0.00E+00	0.00E+00	3.83E-03

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	24-HOUR URINE	ACCUMULATED URINE	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		3.80E-04		1.04E-05
2.00E-01		7.49E-04		2.10E-04
3.00E-01		1.05E-03		1.06E-03
4.00E-01		1.31E-03		3.07E-03
5.00E-01		1.53E-03		6.66E-03
6.00E-01		1.71E-03		1.21E-02
7.00E-01		1.87E-03		1.94E-02
8.00E-01		2.01E-03		2.86E-02
9.00E-01		2.13E-03		3.95E-02
1.00E+00	2.23E-03	2.23E-03	5.20E-02	5.20E-02
2.00E+00	5.49E-04	2.78E-03	1.60E-01	2.13E-01
3.00E+00	2.30E-04	3.01E-03	1.31E-01	3.43E-01
4.00E+00	1.57E-04	3.17E-03	7.35E-02	4.17E-01
5.00E+00	1.31E-04	3.30E-03	3.63E-02	4.53E-01
6.00E+00	1.17E-04	3.41E-03	1.72E-02	4.70E-01
7.00E+00	1.07E-04	3.52E-03	8.11E-03	4.78E-01
8.00E+00	9.81E-05	3.62E-03	3.88E-03	4.82E-01
9.00E+00	9.07E-05	3.71E-03	1.91E-03	4.84E-01
1.00E+01	8.42E-05	3.79E-03	9.83E-04	4.85E-01
2.00E+01	4.69E-05	4.40E-03	1.35E-04	4.87E-01
3.00E+01	3.27E-05	4.78E-03	1.33E-04	4.89E-01
4.00E+01	2.65E-05	5.07E-03	1.31E-04	4.90E-01
5.00E+01	2.34E-05	5.32E-03	1.29E-04	4.91E-01
7.00E+01	2.04E-05	5.75E-03	1.26E-04	4.94E-01
8.00E+01	1.96E-05	5.95E-03	1.24E-04	4.95E-01
9.00E+01	1.91E-05	6.14E-03	1.22E-04	4.96E-01
1.00E+02	1.87E-05	6.33E-03	1.20E-04	4.97E-01
2.00E+02	1.81E-05	8.15E-03	1.05E-04	5.09E-01
3.00E+02	1.83E-05	9.97E-03	9.13E-05	5.18E-01
4.00E+02	1.82E-05	1.18E-02	7.95E-05	5.27E-01
5.00E+02	1.81E-05	1.36E-02	6.92E-05	5.34E-01
7.00E+02	1.74E-05	1.72E-02	5.24E-05	5.46E-01
8.00E+02	1.69E-05	1.89E-02	4.56E-05	5.51E-01
9.00E+02	1.64E-05	2.05E-02	3.97E-05	5.56E-01
1.00E+03	1.58E-05	2.21E-02	3.46E-05	5.59E-01
2.00E+03	9.76E-06	3.49E-02	8.65E-06	5.78E-01
3.00E+03	5.39E-06	4.23E-02	2.16E-06	5.83E-01
4.00E+03	2.86E-06	4.63E-02	5.40E-07	5.84E-01
5.00E+03	1.50E-06	4.84E-02	1.35E-07	5.84E-01
7.00E+03	4.36E-07	5.01E-02	0.00E+00	5.84E-01
8.00E+03	2.48E-07	5.04E-02	0.00E+00	5.84E-01
9.00E+03	1.50E-07	5.06E-02	0.00E+00	5.84E-01
1.00E+04	9.75E-08	5.07E-02	0.00E+00	5.84E-01
2.00E+04	1.31E-08	5.11E-02	0.00E+00	5.84E-01

CLASS Y

AMAD = 1 MICRON

HALFLIFE= 1.16E+12 DAYS

URANIUM 238

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	3.54E-03	3.04E-01	2.58E-01	7.30E-02	6.39E-01
2.00E-01	3.24E-03	2.85E-01	2.17E-01	1.33E-01	6.38E-01
3.00E-01	3.02E-03	2.70E-01	1.82E-01	1.82E-01	6.37E-01
4.00E-01	2.86E-03	2.57E-01	1.53E-01	2.21E-01	6.35E-01
5.00E-01	2.73E-03	2.47E-01	1.29E-01	2.52E-01	6.31E-01
6.00E-01	2.63E-03	2.38E-01	1.08E-01	2.76E-01	6.25E-01
7.00E-01	2.54E-03	2.31E-01	9.12E-02	2.93E-01	6.18E-01
8.00E-01	2.46E-03	2.24E-01	7.67E-02	3.05E-01	6.09E-01
9.00E-01	2.40E-03	2.19E-01	6.45E-02	3.12E-01	5.97E-01
1.00E+00	2.34E-03	2.13E-01	5.42E-02	3.15E-01	5.85E-01
2.00E+00	2.02E-03	1.80E-01	9.59E-03	2.32E-01	4.24E-01
3.00E+00	1.87E-03	1.65E-01	1.70E-03	1.25E-01	2.93E-01
4.00E+00	1.76E-03	1.57E-01	3.00E-04	6.06E-02	2.19E-01
5.00E+00	1.65E-03	1.53E-01	5.30E-05	2.85E-02	1.83E-01
6.00E+00	1.56E-03	1.51E-01	9.37E-06	1.34E-02	1.66E-01
7.00E+00	1.47E-03	1.49E-01	1.66E-06	6.42E-03	1.57E-01
8.00E+00	1.39E-03	1.49E-01	2.93E-07	3.17E-03	1.53E-01
9.00E+00	1.32E-03	1.48E-01	5.17E-08	1.64E-03	1.51E-01
1.00E+01	1.25E-03	1.48E-01	0.00E+00	9.19E-04	1.50E-01
2.00E+01	8.23E-04	1.46E-01	0.00E+00	2.36E-04	1.48E-01
3.00E+01	6.20E-04	1.45E-01	0.00E+00	2.32E-04	1.46E-01
4.00E+01	5.08E-04	1.43E-01	0.00E+00	2.29E-04	1.44E-01
5.00E+01	4.40E-04	1.42E-01	0.00E+00	2.26E-04	1.43E-01
6.00E+01	3.97E-04	1.41E-01	0.00E+00	2.23E-04	1.41E-01
7.00E+01	3.69E-04	1.39E-01	0.00E+00	2.19E-04	1.40E-01
8.00E+01	3.50E-04	1.38E-01	0.00E+00	2.16E-04	1.38E-01
9.00E+01	3.38E-04	1.36E-01	0.00E+00	2.13E-04	1.37E-01
1.00E+02	3.32E-04	1.35E-01	0.00E+00	2.11E-04	1.35E-01
2.00E+02	3.50E-04	1.22E-01	0.00E+00	1.83E-04	1.22E-01
3.00E+02	3.92E-04	1.10E-01	0.00E+00	1.60E-04	1.11E-01
4.00E+02	4.33E-04	9.98E-02	0.00E+00	1.39E-04	1.00E-01
5.00E+02	4.71E-04	9.06E-02	0.00E+00	1.21E-04	9.12E-02
6.00E+02	5.08E-04	8.23E-02	0.00E+00	1.05E-04	8.29E-02
7.00E+02	5.42E-04	7.49E-02	0.00E+00	9.16E-05	7.55E-02
8.00E+02	5.74E-04	6.83E-02	0.00E+00	7.98E-05	6.89E-02
9.00E+02	6.03E-04	6.23E-02	0.00E+00	6.94E-05	6.30E-02
1.00E+03	6.30E-04	5.70E-02	0.00E+00	6.05E-05	5.77E-02
2.00E+03	7.97E-04	2.55E-02	0.00E+00	1.51E-05	2.63E-02
3.00E+03	8.27E-04	1.34E-02	0.00E+00	3.78E-06	1.42E-02
4.00E+03	7.87E-04	8.25E-03	0.00E+00	9.45E-07	9.04E-03
5.00E+03	7.18E-04	5.92E-03	0.00E+00	2.36E-07	6.63E-03
7.00E+03	5.66E-04	4.27E-03	0.00E+00	1.48E-08	4.83E-03
8.00E+03	4.96E-04	4.00E-03	0.00E+00	0.00E+00	4.50E-03
9.00E+03	4.33E-04	3.87E-03	0.00E+00	0.00E+00	4.30E-03
1.00E+04	3.78E-04	3.80E-03	0.00E+00	0.00E+00	4.18E-03
2.00E+04	9.44E-05	3.74E-03	0.00E+00	0.00E+00	3.83E-03

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	24-HOUR URINE	ACCUMULATED URINE	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		3.80E-04		1.04E-05
2.00E-01		7.49E-04		2.10E-04
3.00E-01		1.05E-03		1.06E-03
4.00E-01		1.31E-03		3.07E-03
5.00E-01		1.53E-03		6.66E-03
6.00E-01		1.71E-03		1.21E-02
7.00E-01		1.87E-03		1.94E-02
8.00E-01		2.01E-03		2.86E-02
9.00E-01		2.13E-03		3.95E-02
1.00E+00	2.23E-03	2.23E-03	5.20E-02	5.20E-02
2.00E+00	5.49E-04	2.78E-03	1.60E-01	2.13E-01
3.00E+00	2.30E-04	3.01E-03	1.31E-01	3.43E-01
4.00E+00	1.57E-04	3.17E-03	7.35E-02	4.17E-01
5.00E+00	1.31E-04	3.30E-03	3.63E-02	4.53E-01
6.00E+00	1.17E-04	3.41E-03	1.72E-02	4.70E-01
7.00E+00	1.07E-04	3.52E-03	8.11E-03	4.78E-01
8.00E+00	9.81E-05	3.62E-03	3.88E-03	4.82E-01
9.00E+00	9.07E-05	3.71E-03	1.91E-03	4.84E-01
1.00E+01	8.42E-05	3.79E-03	9.83E-04	4.85E-01
2.00E+01	4.69E-05	4.40E-03	1.35E-04	4.87E-01
3.00E+01	3.27E-05	4.78E-03	1.33E-04	4.89E-01
4.00E+01	2.65E-05	5.07E-03	1.31E-04	4.90E-01
5.00E+01	2.34E-05	5.32E-03	1.29E-04	4.91E-01
7.00E+01	2.04E-05	5.75E-03	1.26E-04	4.94E-01
8.00E+01	1.96E-05	5.95E-03	1.24E-04	4.95E-01
9.00E+01	1.91E-05	6.14E-03	1.22E-04	4.96E-01
1.00E+02	1.87E-05	6.33E-03	1.20E-04	4.97E-01
2.00E+02	1.81E-05	8.15E-03	1.05E-04	5.09E-01
3.00E+02	1.83E-05	9.97E-03	9.13E-05	5.18E-01
4.00E+02	1.82E-05	1.18E-02	7.95E-05	5.27E-01
5.00E+02	1.81E-05	1.36E-02	6.92E-05	5.34E-01
7.00E+02	1.74E-05	1.72E-02	5.24E-05	5.46E-01
8.00E+02	1.69E-05	1.89E-02	4.56E-05	5.51E-01
9.00E+02	1.64E-05	2.05E-02	3.97E-05	5.56E-01
1.00E+03	1.58E-05	2.21E-02	3.46E-05	5.59E-01
2.00E+03	9.76E-06	3.49E-02	8.65E-06	5.78E-01
3.00E+03	5.39E-06	4.23E-02	2.16E-06	5.83E-01
4.00E+03	2.86E-06	4.63E-02	5.40E-07	5.84E-01
5.00E+03	1.50E-06	4.84E-02	1.35E-07	5.84E-01
7.00E+03	4.36E-07	5.01E-02	0.00E+00	5.84E-01
8.00E+03	2.48E-07	5.04E-02	0.00E+00	5.84E-01
9.00E+03	1.50E-07	5.06E-02	0.00E+00	5.84E-01
1.00E+04	9.75E-08	5.07E-02	0.00E+00	5.84E-01
2.00E+04	1.31E-08	5.11E-02	0.00E+00	5.84E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	3.89E-03	3.04E-01	2.58E-01	7.31E-02	6.39E-01
2.00E-01	3.90E-03	2.85E-01	2.17E-01	1.33E-01	6.39E-01
3.00E-01	3.90E-03	2.70E-01	1.82E-01	1.82E-01	6.38E-01
4.00E-01	3.89E-03	2.57E-01	1.53E-01	2.21E-01	6.36E-01
5.00E-01	3.89E-03	2.47E-01	1.29E-01	2.52E-01	6.32E-01
6.00E-01	3.89E-03	2.38E-01	1.08E-01	2.76E-01	6.27E-01
7.00E-01	3.89E-03	2.31E-01	9.12E-02	2.94E-01	6.20E-01
8.00E-01	3.89E-03	2.24E-01	7.67E-02	3.06E-01	6.10E-01
9.00E-01	3.89E-03	2.19E-01	6.45E-02	3.13E-01	5.99E-01
1.00E+00	3.89E-03	2.13E-01	5.42E-02	3.16E-01	5.87E-01
2.00E+00	3.89E-03	1.80E-01	9.59E-03	2.32E-01	4.26E-01
3.00E+00	3.90E-03	1.65E-01	1.70E-03	1.25E-01	2.95E-01
4.00E+00	3.91E-03	1.57E-01	3.00E-04	6.07E-02	2.22E-01
5.00E+00	3.92E-03	1.53E-01	5.30E-05	2.86E-02	1.85E-01
6.00E+00	3.93E-03	1.51E-01	9.36E-06	1.34E-02	1.68E-01
7.00E+00	3.95E-03	1.49E-01	1.66E-06	6.44E-03	1.60E-01
8.00E+00	3.96E-03	1.49E-01	2.93E-07	3.18E-03	1.56E-01
9.00E+00	3.98E-03	1.48E-01	5.17E-08	1.65E-03	1.54E-01
1.00E+01	3.99E-03	1.48E-01	0.00E+00	9.20E-04	1.53E-01
2.00E+01	4.14E-03	1.46E-01	0.00E+00	2.36E-04	1.51E-01
3.00E+01	4.30E-03	1.45E-01	0.00E+00	2.32E-04	1.49E-01
4.00E+01	4.46E-03	1.43E-01	0.00E+00	2.29E-04	1.48E-01
5.00E+01	4.62E-03	1.42E-01	0.00E+00	2.26E-04	1.47E-01
6.00E+01	4.78E-03	1.40E-01	0.00E+00	2.23E-04	1.45E-01
7.00E+01	4.94E-03	1.39E-01	0.00E+00	2.20E-04	1.44E-01
8.00E+01	5.11E-03	1.37E-01	0.00E+00	2.16E-04	1.43E-01
9.00E+01	5.27E-03	1.36E-01	0.00E+00	2.13E-04	1.41E-01
1.00E+02	5.44E-03	1.35E-01	0.00E+00	2.10E-04	1.40E-01
2.00E+02	7.10E-03	1.21E-01	0.00E+00	1.83E-04	1.29E-01
3.00E+02	8.78E-03	1.09E-01	0.00E+00	1.59E-04	1.18E-01
4.00E+02	1.04E-02	9.90E-02	0.00E+00	1.38E-04	1.10E-01
5.00E+02	1.21E-02	8.96E-02	0.00E+00	1.20E-04	1.02E-01
6.00E+02	1.37E-02	8.12E-02	0.00E+00	1.04E-04	9.50E-02
7.00E+02	1.53E-02	7.38E-02	0.00E+00	9.04E-05	8.91E-02
8.00E+02	1.68E-02	6.71E-02	0.00E+00	7.86E-05	8.40E-02
9.00E+02	1.82E-02	6.11E-02	0.00E+00	6.82E-05	7.94E-02
1.00E+03	1.96E-02	5.58E-02	0.00E+00	5.93E-05	7.55E-02
2.00E+03	2.99E-02	2.44E-02	0.00E+00	1.45E-05	5.43E-02
3.00E+03	3.48E-02	1.25E-02	0.00E+00	3.55E-06	4.73E-02
4.00E+03	3.64E-02	7.56E-03	0.00E+00	8.68E-07	4.39E-02
5.00E+03	3.63E-02	5.31E-03	0.00E+00	2.12E-07	4.16E-02
7.00E+03	3.40E-02	3.67E-03	0.00E+00	1.27E-08	3.77E-02
8.00E+03	3.25E-02	3.37E-03	0.00E+00	0.00E+00	3.59E-02
9.00E+03	3.10E-02	3.18E-03	0.00E+00	0.00E+00	3.42E-02
1.00E+04	2.96E-02	3.06E-03	0.00E+00	0.00E+00	3.26E-02
2.00E+04	1.80E-02	2.42E-03	0.00E+00	0.00E+00	2.04E-02

CLASS Y

AMAD = 1 MICRON

HALFLIFE= 3.20E+04 DAYS

PLUTONIUM 238

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	24-HOUR URINE	ACCUMULATED URINE	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		1.68E-06		1.19E-05
2.00E-01		3.55E-06		2.13E-04
3.00E-01		5.32E-06		1.06E-03
4.00E-01		7.01E-06		3.08E-03
5.00E-01		8.61E-06		6.67E-03
6.00E-01		1.01E-05		1.21E-02
7.00E-01		1.16E-05		1.94E-02
8.00E-01		1.30E-05		2.86E-02
9.00E-01		1.43E-05		3.96E-02
1.00E+00	1.55E-05	1.55E-05	5.21E-02	5.21E-02
2.00E+00	9.64E-06	2.52E-05	1.61E-01	2.13E-01
3.00E+00	6.09E-06	3.12E-05	1.31E-01	3.44E-01
4.00E+00	4.05E-06	3.53E-05	7.36E-02	4.17E-01
5.00E+00	2.87E-06	3.82E-05	3.64E-02	4.54E-01
6.00E+00	2.18E-06	4.03E-05	1.73E-02	4.71E-01
7.00E+00	1.78E-06	4.21E-05	8.13E-03	4.79E-01
8.00E+00	1.53E-06	4.36E-05	3.89E-03	4.83E-01
9.00E+00	1.38E-06	4.50E-05	1.91E-03	4.85E-01
1.00E+01	1.29E-06	4.63E-05	9.87E-04	4.86E-01
2.00E+01	1.00E-06	5.73E-05	1.36E-04	4.88E-01
3.00E+01	8.80E-07	6.65E-05	1.34E-04	4.89E-01
4.00E+01	8.04E-07	7.49E-05	1.32E-04	4.90E-01
5.00E+01	7.56E-07	8.26E-05	1.30E-04	4.92E-01
6.00E+01	7.27E-07	9.00E-05	1.28E-04	4.93E-01
7.00E+01	7.11E-07	9.72E-05	1.26E-04	4.94E-01
8.00E+01	7.02E-07	1.04E-04	1.24E-04	4.95E-01
9.00E+01	6.98E-07	1.11E-04	1.23E-04	4.96E-01
1.00E+02	6.97E-07	1.18E-04	1.21E-04	4.97E-01
2.00E+02	7.34E-07	1.89E-04	1.05E-04	5.08E-01
3.00E+02	7.75E-07	2.64E-04	9.15E-05	5.16E-01
4.00E+02	8.08E-07	3.43E-04	7.96E-05	5.24E-01
5.00E+02	8.36E-07	4.24E-04	6.93E-05	5.30E-01
6.00E+02	8.57E-07	5.08E-04	6.03E-05	5.35E-01
7.00E+02	8.73E-07	5.93E-04	5.25E-05	5.40E-01
8.00E+02	8.84E-07	6.80E-04	4.57E-05	5.44E-01
9.00E+02	8.92E-07	7.67E-04	3.98E-05	5.47E-01
1.00E+03	8.96E-07	8.55E-04	3.47E-05	5.49E-01
2.00E+03	8.36E-07	1.70E-03	9.01E-06	5.56E-01
3.00E+03	7.39E-07	2.44E-03	2.66E-06	5.49E-01
4.00E+03	6.64E-07	3.08E-03	1.06E-06	5.39E-01
5.00E+03	6.09E-07	3.64E-03	6.40E-07	5.28E-01
7.00E+03	5.34E-07	4.60E-03	4.62E-07	5.07E-01
8.00E+03	5.05E-07	5.02E-03	4.32E-07	4.97E-01
9.00E+03	4.79E-07	5.40E-03	4.09E-07	4.86E-01
1.00E+04	4.55E-07	5.74E-03	3.88E-07	4.76E-01
2.00E+04	2.75E-07	7.81E-03	2.35E-07	3.86E-01

CLASS Y

AMAD = 1 MICRON

HALFLIFE= 8.78E+06 DAYS

PLUTONIUM 239

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	3.89E-03	3.04E-01	2.58E-01	7.31E-02	6.39E-01
2.00E-01	3.90E-03	2.85E-01	2.17E-01	1.33E-01	6.39E-01
3.00E-01	3.90E-03	2.70E-01	1.82E-01	1.82E-01	6.38E-01
4.00E-01	3.90E-03	2.57E-01	1.53E-01	2.21E-01	6.36E-01
5.00E-01	3.89E-03	2.47E-01	1.29E-01	2.52E-01	6.32E-01
6.00E-01	3.89E-03	2.38E-01	1.08E-01	2.76E-01	6.27E-01
7.00E-01	3.89E-03	2.31E-01	9.12E-02	2.94E-01	6.20E-01
8.00E-01	3.89E-03	2.24E-01	7.67E-02	3.06E-01	6.10E-01
9.00E-01	3.89E-03	2.19E-01	6.45E-02	3.13E-01	6.00E-01
1.00E+00	3.89E-03	2.13E-01	5.42E-02	3.16E-01	5.87E-01
2.00E+00	3.89E-03	1.80E-01	9.59E-03	2.32E-01	4.26E-01
3.00E+00	3.90E-03	1.65E-01	1.70E-03	1.25E-01	2.95E-01
4.00E+00	3.91E-03	1.57E-01	3.00E-04	6.07E-02	2.22E-01
5.00E+00	3.92E-03	1.53E-01	5.30E-05	2.86E-02	1.85E-01
6.00E+00	3.93E-03	1.51E-01	9.37E-06	1.35E-02	1.68E-01
7.00E+00	3.95E-03	1.49E-01	1.66E-06	6.44E-03	1.60E-01
8.00E+00	3.96E-03	1.49E-01	2.93E-07	3.18E-03	1.56E-01
9.00E+00	3.98E-03	1.48E-01	5.17E-08	1.65E-03	1.54E-01
1.00E+01	3.99E-03	1.48E-01	0.00E+00	9.21E-04	1.53E-01
2.00E+01	4.15E-03	1.46E-01	0.00E+00	2.36E-04	1.51E-01
3.00E+01	4.30E-03	1.45E-01	0.00E+00	2.32E-04	1.49E-01
4.00E+01	4.46E-03	1.43E-01	0.00E+00	2.29E-04	1.48E-01
5.00E+01	4.62E-03	1.42E-01	0.00E+00	2.26E-04	1.47E-01
6.00E+01	4.79E-03	1.41E-01	0.00E+00	2.23E-04	1.46E-01
7.00E+01	4.95E-03	1.39E-01	0.00E+00	2.20E-04	1.44E-01
8.00E+01	5.12E-03	1.38E-01	0.00E+00	2.17E-04	1.43E-01
9.00E+01	5.28E-03	1.36E-01	0.00E+00	2.14E-04	1.42E-01
1.00E+02	5.45E-03	1.35E-01	0.00E+00	2.11E-04	1.41E-01
2.00E+02	7.13E-03	1.22E-01	0.00E+00	1.84E-04	1.29E-01
3.00E+02	8.84E-03	1.10E-01	0.00E+00	1.60E-04	1.19E-01
4.00E+02	1.05E-02	9.98E-02	0.00E+00	1.39E-04	1.10E-01
5.00E+02	1.22E-02	9.06E-02	0.00E+00	1.21E-04	1.03E-01
6.00E+02	1.39E-02	8.23E-02	0.00E+00	1.05E-04	9.63E-02
7.00E+02	1.55E-02	7.49E-02	0.00E+00	9.18E-05	9.05E-02
8.00E+02	1.71E-02	6.83E-02	0.00E+00	7.99E-05	8.54E-02
9.00E+02	1.86E-02	6.23E-02	0.00E+00	6.96E-05	8.10E-02
1.00E+03	2.00E-02	5.70E-02	0.00E+00	6.06E-05	7.71E-02
2.00E+03	3.12E-02	2.55E-02	0.00E+00	1.51E-05	5.67E-02
3.00E+03	3.71E-02	1.34E-02	0.00E+00	3.78E-06	5.05E-02
4.00E+03	3.96E-02	8.25E-03	0.00E+00	9.46E-07	4.79E-02
5.00E+03	4.04E-02	5.91E-03	0.00E+00	2.37E-07	4.63E-02
7.00E+03	3.95E-02	4.27E-03	0.00E+00	1.48E-08	4.38E-02
8.00E+03	3.87E-02	4.00E-03	0.00E+00	0.00E+00	4.27E-02
9.00E+03	3.77E-02	3.87E-03	0.00E+00	0.00E+00	4.16E-02
1.00E+04	3.67E-02	3.80E-03	0.00E+00	0.00E+00	4.05E-02
2.00E+04	2.76E-02	3.73E-03	0.00E+00	0.00E+00	3.14E-02

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	24-HOUR URINE	ACCUMULATED URINE	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		1.68E-06		1.19E-05
2.00E-01		3.55E-06		2.13E-04
3.00E-01		5.32E-06		1.06E-03
4.00E-01		7.01E-06		3.08E-03
5.00E-01		8.61E-06		6.67E-03
6.00E-01		1.01E-05		1.21E-02
7.00E-01		1.16E-05		1.94E-02
8.00E-01		1.30E-05		2.86E-02
9.00E-01		1.43E-05		3.96E-02
1.00E+00	1.55E-05	1.55E-05	5.21E-02	5.21E-02
2.00E+00	9.64E-06	2.52E-05	1.61E-01	2.13E-01
3.00E+00	6.09E-06	3.12E-05	1.31E-01	3.44E-01
4.00E+00	4.05E-06	3.53E-05	7.36E-02	4.17E-01
5.00E+00	2.87E-06	3.82E-05	3.64E-02	4.54E-01
6.00E+00	2.18E-06	4.03E-05	1.73E-02	4.71E-01
7.00E+00	1.78E-06	4.21E-05	8.13E-03	4.79E-01
8.00E+00	1.53E-06	4.37E-05	3.89E-03	4.83E-01
9.00E+00	1.38E-06	4.50E-05	1.91E-03	4.85E-01
1.00E+01	1.29E-06	4.63E-05	9.87E-04	4.86E-01
2.00E+01	1.00E-06	5.73E-05	1.36E-04	4.88E-01
3.00E+01	8.81E-07	6.66E-05	1.34E-04	4.90E-01
4.00E+01	8.04E-07	7.49E-05	1.32E-04	4.91E-01
5.00E+01	7.57E-07	8.27E-05	1.30E-04	4.92E-01
6.00E+01	7.28E-07	9.01E-05	1.28E-04	4.93E-01
7.00E+01	7.12E-07	9.73E-05	1.26E-04	4.95E-01
8.00E+01	7.03E-07	1.04E-04	1.25E-04	4.96E-01
9.00E+01	6.99E-07	1.11E-04	1.23E-04	4.97E-01
1.00E+02	6.99E-07	1.18E-04	1.21E-04	4.98E-01
2.00E+02	7.37E-07	1.90E-04	1.06E-04	5.10E-01
3.00E+02	7.80E-07	2.66E-04	9.21E-05	5.20E-01
4.00E+02	8.15E-07	3.46E-04	8.03E-05	5.28E-01
5.00E+02	8.45E-07	4.29E-04	7.00E-05	5.36E-01
6.00E+02	8.68E-07	5.14E-04	6.11E-05	5.42E-01
7.00E+02	8.86E-07	6.02E-04	5.33E-05	5.48E-01
8.00E+02	9.00E-07	6.92E-04	4.65E-05	5.53E-01
9.00E+02	9.09E-07	7.82E-04	4.06E-05	5.57E-01
1.00E+03	9.15E-07	8.73E-04	3.54E-05	5.61E-01
2.00E+03	8.72E-07	1.78E-03	9.41E-06	5.81E-01
3.00E+03	7.88E-07	2.61E-03	2.84E-06	5.86E-01
4.00E+03	7.23E-07	3.36E-03	1.16E-06	5.88E-01
5.00E+03	6.78E-07	4.06E-03	7.13E-07	5.89E-01
7.00E+03	6.21E-07	5.35E-03	5.38E-07	5.90E-01
8.00E+03	6.00E-07	5.96E-03	5.14E-07	5.90E-01
9.00E+03	5.82E-07	6.55E-03	4.96E-07	5.91E-01
1.00E+04	5.65E-07	7.13E-03	4.81E-07	5.91E-01
2.00E+04	4.24E-07	1.20E-02	3.61E-07	5.95E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	3.89E-03	3.04E-01	2.58E-01	7.31E-02	6.39E-01
2.00E-01	3.90E-03	2.85E-01	2.17E-01	1.33E-01	6.39E-01
3.00E-01	3.90E-03	2.70E-01	1.82E-01	1.82E-01	6.38E-01
4.00E-01	3.90E-03	2.57E-01	1.53E-01	2.21E-01	6.36E-01
5.00E-01	3.89E-03	2.47E-01	1.79E-01	2.52E-01	6.32E-01
6.00E-01	3.89E-03	2.38E-01	1.68E-01	2.76E-01	6.27E-01
7.00E-01	3.89E-03	2.31E-01	9.2E-02	2.94E-01	6.20E-01
8.00E-01	3.89E-03	2.24E-01	7.7E-02	3.06E-01	6.10E-01
9.00E-01	3.89E-03	2.19E-01	6.45E-02	3.13E-01	6.00E-01
1.00E+00	3.89E-03	2.13E-01	5.42E-02	3.16E-01	5.87E-01
2.00E+00	3.89E-03	1.80E-01	9.59E-03	2.32E-01	4.26E-01
3.00E+00	3.90E-03	1.65E-01	1.70E-03	1.25E-01	2.95E-01
4.00E+00	3.91E-03	1.57E-01	1.00E-04	6.07E-02	2.22E-01
5.00E+00	3.92E-03	1.53E-01	3.30E-05	2.86E-02	1.85E-01
6.00E+00	3.93E-03	1.51E-01	1.37E-06	1.35E-02	1.68E-01
7.00E+00	3.95E-03	1.49E-01	4.6E-06	6.44E-03	1.60E-01
8.00E+00	3.96E-03	1.49E-01	1.3E-07	3.18E-03	1.56E-01
9.00E+00	3.98E-03	1.48E-01	3.7E-08	1.65E-03	1.54E-01
1.00E+01	3.99E-03	1.48E-01	0.00E+00	9.21E-04	1.53E-01
2.00E+01	4.15E-03	1.46E-01	0.00E+00	2.36E-04	1.51E-01
3.00E+01	4.30E-03	1.45E-01	0.00E+00	2.32E-04	1.49E-01
4.00E+01	4.46E-03	1.43E-01	0.00E+00	2.29E-04	1.48E-01
5.00E+01	4.62E-03	1.42E-01	0.00E+00	2.26E-04	1.47E-01
6.00E+01	4.79E-03	1.41E-01	0.00E+00	2.23E-04	1.46E-01
7.00E+01	4.95E-03	1.39E-01	0.00E+00	2.20E-04	1.44E-01
8.00E+01	5.12E-03	1.38E-01	0.00E+00	2.17E-04	1.43E-01
9.00E+01	5.28E-03	1.36E-01	0.00E+00	2.14E-04	1.42E-01
1.00E+02	5.45E-03	1.35E-01	0.00E+00	2.11E-04	1.41E-01
2.00E+02	7.13E-03	1.22E-01	0.00E+00	2.00E-04	1.29E-01
3.00E+02	8.84E-03	1.10E-01	0.00E+00	1.90E-04	1.19E-01
4.00E+02	1.05E-02	9.98E-02	0.00E+00	1.80E-04	1.10E-01
5.00E+02	1.22E-02	9.06E-02	0.00E+00	1.70E-04	1.00E-01
6.00E+02	1.39E-02	8.23E-02	0.00E+00	1.60E-04	9.0E-02
7.00E+02	1.55E-02	7.49E-02	0.00E+00	1.50E-04	8.0E-02
8.00E+02	1.71E-02	6.83E-02	0.00E+00	7.99E-05	8.0E-02
9.00E+02	1.86E-02	6.23E-02	0.00E+00	6.96E-05	8.0E-02
1.00E+03	2.00E-02	5.70E-02	0.00E+00	6.06E-05	7.71E-02
2.00E+03	3.12E-02	2.54E-02	0.00E+00	1.51E-05	5.67E-02
3.00E+03	3.71E-02	1.34E-02	0.00E+00	3.78E-06	5.04E-02
4.00E+03	3.96E-02	8.24E-03	0.00E+00	9.45E-07	4.78E-02
5.00E+03	4.03E-02	5.91E-03	0.00E+00	2.36E-07	4.62E-02
7.00E+03	3.95E-02	4.26E-03	0.00E+00	1.48E-08	4.37E-02
8.00E+03	3.86E-02	3.99E-03	0.00E+00	0.00E+00	4.26E-02
9.00E+03	3.76E-02	3.86E-03	0.00E+00	0.00E+00	4.15E-02
1.00E+04	3.66E-02	3.79E-03	0.00E+00	0.00E+00	4.04E-02
2.00E+04	2.75E-02	3.72E-03	0.00E+00	0.00E+00	3.12E-02

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	24-HOUR URINE	ACCUMULATED URINE	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		1.68E-06		1.19E-05
2.00E-01		3.55E-06		2.13E-04
3.00E-01		5.32E-06		1.06E-03
4.00E-01		7.01E-06		3.08E-03
5.00E-01		8.61E-06		6.67E-03
6.00E-01		1.01E-05		1.21E-02
7.00E-01		1.16E-05		1.94E-02
8.00E-01		1.30E-05		2.86E-02
9.00E-01		1.43E-05		3.96E-02
1.00E+00	1.55E-05	1.55E-05	5.21E-02	5.21E-02
2.00E+00	9.64E-06	2.52E-05	1.61E-01	2.13E-01
3.00E+00	6.09E-06	3.12E-05	1.31E-01	3.44E-01
4.00E+00	4.05E-06	3.53E-05	7.36E-02	4.17E-01
5.00E+00	2.87E-06	3.82E-05	3.64E-02	4.54E-01
6.00E+00	2.18E-06	4.03E-05	1.73E-02	4.71E-01
7.00E+00	1.78E-06	4.21E-05	8.13E-03	4.79E-01
8.00E+00	1.53E-06	4.37E-05	3.89E-03	4.83E-01
9.00E+00	1.38E-06	4.50E-05	1.91E-03	4.85E-01
1.00E+01	1.29E-06	4.63E-05	9.87E-04	4.86E-01
2.00E+01	1.00E-06	5.73E-05	1.36E-04	4.88E-01
3.00E+01	8.81E-07	6.66E-05	1.34E-04	4.90E-01
4.00E+01	8.04E-07	7.49E-05	1.32E-04	4.91E-01
5.00E+01	7.57E-07	8.27E-05	1.30E-04	4.92E-01
6.00E+01	7.28E-07	9.01E-05	1.28E-04	4.93E-01
7.00E+01	7.12E-07	9.73E-05	1.26E-04	4.95E-01
8.00E+01	7.03E-07	1.04E-04	1.25E-04	4.96E-01
9.00E+01	6.99E-07	1.11E-04	1.23E-04	4.97E-01
1.00E+02	6.99E-07	1.18E-04	1.21E-04	4.98E-01
2.00E+02	7.37E-07	1.90E-04	1.06E-04	5.10E-01
3.00E+02	7.80E-07	2.66E-04	9.21E-05	5.20E-01
4.00E+02	8.15E-07	3.46E-04	8.03E-05	5.28E-01
5.00E+02	8.45E-07	4.29E-04	7.00E-05	5.36E-01
6.00E+02	8.68E-07	5.14E-04	6.11E-05	5.42E-01
7.00E+02	8.86E-07	6.02E-04	5.33E-05	5.48E-01
8.00E+02	9.00E-07	6.91E-04	4.65E-05	5.53E-01
9.00E+02	9.09E-07	7.82E-04	4.06E-05	5.57E-01
1.00E+03	9.15E-07	8.73E-04	3.54E-05	5.61E-01
2.00E+03	8.72E-07	1.78E-03	9.40E-06	5.80E-01
3.00E+03	7.88E-07	2.60E-03	2.84E-06	5.86E-01
4.00E+03	7.23E-07	3.36E-03	1.16E-06	5.87E-01
5.00E+03	6.78E-07	4.06E-03	7.13E-07	5.88E-01
7.00E+03	6.20E-07	5.35E-03	5.37E-07	5.89E-01
8.00E+03	5.99E-07	5.95E-03	5.13E-07	5.89E-01
9.00E+03	5.81E-07	6.54E-03	4.95E-07	5.89E-01
1.00E+04	5.63E-07	7.11E-03	4.80E-07	5.90E-01
2.00E+04	4.22E-07	1.20E-02	3.60E-07	5.92E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	3.89E-03	3.04E-01	2.58E-01	7.31E-02	6.39E-01
2.00E-01	3.90E-03	2.85E-01	2.17E-01	1.33E-01	6.39E-01
3.00E-01	3.90E-03	2.70E-01	1.82E-01	1.82E-01	6.38E-01
4.00E-01	3.90E-03	2.57E-01	1.53E-01	2.21E-01	6.36E-01
5.00E-01	3.89E-03	2.47E-01	1.29E-01	2.52E-01	6.32E-01
6.00E-01	3.89E-03	2.38E-01	1.08E-01	2.76E-01	6.27E-01
7.00E-01	3.89E-03	2.31E-01	9.12E-02	2.94E-01	6.20E-01
8.00E-01	3.89E-03	2.24E-01	7.67E-02	3.06E-01	6.10E-01
9.00E-01	3.89E-03	2.19E-01	6.45E-02	3.13E-01	6.00E-01
1.00E+00	3.89E-03	2.13E-01	5.42E-02	3.16E-01	5.87E-01
2.00E+00	3.89E-03	1.80E-01	9.59E-03	2.32E-01	4.26E-01
3.00E+00	3.90E-03	1.65E-01	1.70E-03	1.25E-01	2.95E-01
4.00E+00	3.91E-03	1.57E-01	3.00E-04	6.07E-02	2.22E-01
5.00E+00	3.92E-03	1.53E-01	5.30E-05	2.86E-02	1.85E-01
6.00E+00	3.93E-03	1.51E-01	9.37E-06	1.35E-02	1.68E-01
7.00E+00	3.95E-03	1.49E-01	1.66E-06	6.44E-03	1.60E-01
8.00E+00	3.96E-03	1.49E-01	2.93E-07	3.18E-03	1.56E-01
9.00E+00	3.98E-03	1.48E-01	5.17E-08	1.65E-03	1.54E-01
1.00E+01	3.99E-03	1.48E-01	0.00E+00	9.21E-04	1.53E-01
2.00E+01	4.15E-03	1.46E-01	0.00E+00	2.36E-04	1.51E-01
3.00E+01	4.30E-03	1.45E-01	0.00E+00	2.32E-04	1.49E-01
4.00E+01	4.46E-03	1.43E-01	0.00E+00	2.29E-04	1.48E-01
5.00E+01	4.62E-03	1.42E-01	0.00E+00	2.26E-04	1.47E-01
6.00E+01	4.79E-03	1.41E-01	0.00E+00	2.23E-04	1.46E-01
7.00E+01	4.95E-03	1.39E-01	0.00E+00	2.20E-04	1.44E-01
8.00E+01	5.12E-03	1.38E-01	0.00E+00	2.17E-04	1.43E-01
9.00E+01	5.28E-03	1.36E-01	0.00E+00	2.14E-04	1.42E-01
1.00E+02	5.45E-03	1.35E-01	0.00E+00	2.11E-04	1.41E-01
2.00E+02	7.13E-03	1.22E-01	0.00E+00	1.84E-04	1.29E-01
3.00E+02	8.84E-03	1.10E-01	0.00E+00	1.60E-04	1.19E-01
4.00E+02	1.05E-02	9.98E-02	0.00E+00	1.39E-04	1.10E-01
5.00E+02	1.22E-02	9.06E-02	0.00E+00	1.21E-04	1.03E-01
6.00E+02	1.39E-02	8.23E-02	0.00E+00	1.05E-04	9.63E-02
7.00E+02	1.55E-02	7.49E-02	0.00E+00	9.18E-05	9.05E-02
8.00E+02	1.71E-02	6.83E-02	0.00E+00	7.99E-05	8.54E-02
9.00E+02	1.86E-02	6.23E-02	0.00E+00	6.96E-05	8.10E-02
1.00E+03	2.00E-02	5.70E-02	0.00E+00	6.06E-05	7.71E-02
2.00E+03	3.12E-02	2.55E-02	0.00E+00	1.51E-05	5.67E-02
3.00E+03	3.71E-02	1.34E-02	0.00E+00	3.79E-06	5.05E-02
4.00E+03	3.97E-02	8.25E-03	0.00E+00	9.46E-07	4.79E-02
5.00E+03	4.04E-02	5.92E-03	0.00E+00	2.37E-07	4.63E-02
7.00E+03	3.96E-02	4.27E-03	0.00E+00	1.48E-08	4.38E-02
8.00E+03	3.87E-02	4.00E-03	0.00E+00	0.00E+00	4.27E-02
9.00E+03	3.77E-02	3.87E-03	0.00E+00	0.00E+00	4.16E-02
1.00E+04	3.67E-02	3.80E-03	0.00E+00	0.00E+00	4.05E-02
2.00E+04	2.77E-02	3.74E-03	0.00E+00	0.00E+00	3.14E-02

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	24-HOUR URINE	ACCUMULATED URINE	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		1.68E-06		1.19E-05
2.00E-01		3.55E-06		2.13E-04
3.00E-01		5.32E-06		1.06E-03
4.00E-01		7.01E-06		3.08E-03
5.00E-01		8.61E-06		6.67E-03
6.00E-01		1.01E-05		1.21E-02
7.00E-01		1.16E-05		1.94E-02
8.00E-01		1.30E-05		2.86E-02
9.00E-01		1.43E-05		3.96E-02
1.00E+00	1.55E-05	1.55E-05	5.21E-02	5.21E-02
2.00E+00	9.64E-06	2.52E-05	1.61E-01	2.13E-01
3.00E+00	6.09E-06	3.12E-05	1.31E-01	3.44E-01
4.00E+00	4.05E-06	3.53E-05	7.36E-02	4.17E-01
5.00E+00	2.87E-06	3.82E-05	3.64E-02	4.54E-01
6.00E+00	2.18E-06	4.03E-05	1.73E-02	4.71E-01
7.00E+00	1.78E-06	4.21E-05	8.13E-03	4.79E-01
8.00E+00	1.53E-06	4.37E-05	3.89E-03	4.83E-01
9.00E+00	1.38E-06	4.50E-05	1.91E-03	4.85E-01
1.00E+01	1.29E-06	4.63E-05	9.87E-04	4.86E-01
2.00E+01	1.00E-06	5.73E-05	1.36E-04	4.88E-01
3.00E+01	8.81E-07	6.66E-05	1.34E-04	4.90E-01
4.00E+01	8.04E-07	7.49E-05	1.32E-04	4.91E-01
5.00E+01	7.57E-07	8.27E-05	1.30E-04	4.92E-01
6.00E+01	7.28E-07	9.01E-05	1.28E-04	4.94E-01
7.00E+01	7.12E-07	9.73E-05	1.26E-04	4.95E-01
8.00E+01	7.03E-07	1.04E-04	1.25E-04	4.96E-01
9.00E+01	6.99E-07	1.11E-04	1.23E-04	4.97E-01
1.00E+02	6.99E-07	1.18E-04	1.21E-04	4.98E-01
2.00E+02	7.37E-07	1.90E-04	1.06E-04	5.10E-01
3.00E+02	7.80E-07	2.66E-04	9.21E-05	5.20E-01
4.00E+02	8.15E-07	3.46E-04	8.03E-05	5.28E-01
5.00E+02	8.45E-07	4.29E-04	7.00E-05	5.36E-01
7.00E+02	8.86E-07	6.02E-04	5.33E-05	5.48E-01
8.00E+02	9.00E-07	6.92E-04	4.65E-05	5.53E-01
9.00E+02	9.09E-07	7.82E-04	4.06E-05	5.57E-01
1.00E+03	9.15E-07	8.73E-04	3.54E-05	5.61E-01
2.00E+03	8.73E-07	1.78E-03	9.41E-06	5.81E-01
3.00E+03	7.89E-07	2.61E-03	2.84E-06	5.86E-01
4.00E+03	7.24E-07	3.36E-03	1.16E-06	5.88E-01
5.00E+03	6.79E-07	4.06E-03	7.14E-07	5.89E-01
7.00E+03	6.22E-07	5.36E-03	5.38E-07	5.90E-01
8.00E+03	6.01E-07	5.97E-03	5.14E-07	5.90E-01
9.00E+03	5.82E-07	6.56E-03	4.97E-07	5.91E-01
1.00E+04	5.65E-07	7.13E-03	4.81E-07	5.91E-01
2.00E+04	4.25E-07	1.20E-02	3.62E-07	5.96E-01

CLASS Y AMAD = 1 MICRON HALFLIFE= 1.58E+05 DAYS AMERICIUM 241

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	3.82E-03	3.04E-01	2.58E-01	7.31E-02	6.39E-01
2.00E-01	3.77E-03	2.85E-01	2.17E-01	1.33E-01	6.39E-01
3.00E-01	3.73E-03	2.70E-01	1.82E-01	1.82E-01	6.38E-01
4.00E-01	3.72E-03	2.57E-01	1.53E-01	2.21E-01	6.36E-01
5.00E-01	3.70E-03	2.47E-01	1.29E-01	2.52E-01	6.32E-01
6.00E-01	3.70E-03	2.38E-01	1.08E-01	2.76E-01	6.27E-01
7.00E-01	3.70E-03	2.31E-01	9.12E-02	2.94E-01	6.19E-01
8.00E-01	3.70E-03	2.24E-01	7.67E-02	3.05E-01	6.10E-01
9.00E-01	3.70E-03	2.19E-01	6.45E-02	3.12E-01	5.99E-01
1.00E+00	3.70E-03	2.13E-01	5.42E-02	3.15E-01	5.87E-01
2.00E+00	3.74E-03	1.80E-01	9.59E-03	2.32E-01	4.26E-01
3.00E+00	3.77E-03	1.65E-01	1.70E-03	1.25E-01	2.95E-01
4.00E+00	3.79E-03	1.57E-01	3.00E-04	6.07E-02	2.21E-01
5.00E+00	3.81E-03	1.53E-01	5.30E-05	2.86E-02	1.85E-01
6.00E+00	3.82E-03	1.51E-01	9.36E-06	1.34E-02	1.68E-01
7.00E+00	3.84E-03	1.49E-01	1.66E-06	6.44E-03	1.60E-01
8.00E+00	3.85E-03	1.49E-01	2.93E-07	3.18E-03	1.56E-01
9.00E+00	3.87E-03	1.48E-01	5.17E-08	1.65E-03	1.54E-01
1.00E+01	3.89E-03	1.48E-01	0.00E+00	9.20E-04	1.53E-01
2.00E+01	4.04E-03	1.46E-01	0.00E+00	2.36E-04	1.51E-01
3.00E+01	4.20E-03	1.45E-01	0.00E+00	2.32E-04	1.49E-01
4.00E+01	4.35E-03	1.43E-01	0.00E+00	2.29E-04	1.48E-01
5.00E+01	4.51E-03	1.42E-01	0.00E+00	2.26E-04	1.47E-01
6.00E+01	4.67E-03	1.40E-01	0.00E+00	2.23E-04	1.45E-01
7.00E+01	4.83E-03	1.39E-01	0.00E+00	2.20E-04	1.44E-01
8.00E+01	4.99E-03	1.38E-01	0.00E+00	2.17E-04	1.43E-01
9.00E+01	5.15E-03	1.36E-01	0.00E+00	2.14E-04	1.42E-01
1.00E+02	5.31E-03	1.35E-01	0.00E+00	2.11E-04	1.40E-01
2.00E+02	6.92E-03	1.22E-01	0.00E+00	1.83E-04	1.29E-01
3.00E+02	8.56E-03	1.10E-01	0.00E+00	1.60E-04	1.19E-01
4.00E+02	1.02E-02	9.96E-02	0.00E+00	1.39E-04	1.10E-01
5.00E+02	1.18E-02	9.04E-02	0.00E+00	1.21E-04	1.02E-01
7.00E+02	1.49E-02	7.47E-02	0.00E+00	9.15E-05	8.97E-02
8.00E+02	1.64E-02	6.80E-02	0.00E+00	7.96E-05	8.46E-02
9.00E+02	1.79E-02	6.21E-02	0.00E+00	6.93E-05	8.00E-02
1.00E+03	1.93E-02	5.68E-02	0.00E+00	6.03E-05	7.61E-02
2.00E+03	2.98E-02	2.52E-02	0.00E+00	1.50E-05	5.51E-02
3.00E+03	3.52E-02	1.32E-02	0.00E+00	3.73E-06	4.84E-02
4.00E+03	3.74E-02	8.10E-03	0.00E+00	9.30E-07	4.55E-02
5.00E+03	3.78E-02	5.79E-03	0.00E+00	2.31E-07	4.36E-02
7.00E+03	3.64E-02	4.14E-03	0.00E+00	1.43E-08	4.05E-02
8.00E+03	3.53E-02	3.86E-03	0.00E+00	0.00E+00	3.92E-02
9.00E+03	3.42E-02	3.72E-03	0.00E+00	0.00E+00	3.79E-02
1.00E+04	3.30E-02	3.64E-03	0.00E+00	0.00E+00	3.67E-02
2.00E+04	2.33E-02	3.42E-03	0.00E+00	0.00E+00	2.68E-02

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		8.17E-05		1.04E-05
2.00E-01		1.56E-04		2.10E-04
3.00E-01		2.13E-04		1.06E-03
4.00E-01		2.57E-04		3.07E-03
5.00E-01		2.91E-04		6.67E-03
6.00E-01		3.17E-04		1.21E-02
7.00E-01		3.38E-04		1.94E-02
8.00E-01		3.54E-04		2.86E-02
9.00E-01		3.66E-04		3.96E-02
1.00E+00	3.76E-04	3.76E-04	5.21E-02	5.21E-02
2.00E+00	3.44E-05	4.10E-04	1.61E-01	2.13E-01
3.00E+00	6.00E-06	4.16E-04	1.31E-01	3.44E-01
4.00E+00	2.83E-06	4.19E-04	7.36E-02	4.17E-01
5.00E+00	2.21E-06	4.21E-04	3.64E-02	4.54E-01
6.00E+00	2.02E-06	4.23E-04	1.72E-02	4.71E-01
7.00E+00	1.94E-06	4.25E-04	8.12E-03	4.79E-01
8.00E+00	1.90E-06	4.27E-04	3.88E-03	4.83E-01
9.00E+00	1.88E-06	4.29E-04	1.91E-03	4.85E-01
1.00E+01	1.87E-06	4.31E-04	9.85E-04	4.86E-01
2.00E+01	1.88E-06	4.49E-04	1.35E-04	4.88E-01
3.00E+01	1.89E-06	4.68E-04	1.33E-04	4.89E-01
4.00E+01	1.90E-06	4.87E-04	1.31E-04	4.91E-01
5.00E+01	1.91E-06	5.06E-04	1.29E-04	4.92E-01
7.00E+01	1.94E-06	5.45E-04	1.26E-04	4.94E-01
8.00E+01	1.95E-06	5.64E-04	1.24E-04	4.96E-01
9.00E+01	1.96E-06	5.84E-04	1.22E-04	4.97E-01
1.00E+02	1.97E-06	6.03E-04	1.21E-04	4.98E-01
2.00E+02	2.06E-06	8.05E-04	1.05E-04	5.09E-01
3.00E+02	2.13E-06	1.01E-03	9.13E-05	5.19E-01
4.00E+02	2.18E-06	1.23E-03	7.95E-05	5.27E-01
5.00E+02	2.21E-06	1.45E-03	6.91E-05	5.34E-01
7.00E+02	2.24E-06	1.89E-03	5.23E-05	5.46E-01
8.00E+02	2.24E-06	2.12E-03	4.56E-05	5.50E-01
9.00E+02	2.24E-06	2.34E-03	3.96E-05	5.54E-01
1.00E+03	2.23E-06	2.56E-03	3.45E-05	5.58E-01
2.00E+03	1.96E-06	4.65E-03	8.59E-06	5.74E-01
3.00E+03	1.69E-06	6.44E-03	2.14E-06	5.76E-01
4.00E+03	1.50E-06	7.99E-03	5.32E-07	5.75E-01
5.00E+03	1.37E-06	9.38E-03	1.32E-07	5.72E-01
7.00E+03	1.21E-06	1.18E-02	0.00E+00	5.67E-01
8.00E+03	1.15E-06	1.30E-02	0.00E+00	5.65E-01
9.00E+03	1.09E-06	1.40E-02	0.00E+00	5.62E-01
1.00E+04	1.05E-06	1.50E-02	0.00E+00	5.60E-01
2.00E+04	6.90E-07	2.27E-02	0.00E+00	5.36E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	LUNGS	NASAL PASSAGES	GI TRACT	TOTAL BODY
1.00E-01	3.82E-03	3.04E-01	2.58E-01	7.31E-02	6.39E-01
2.00E-01	3.77E-03	2.85E-01	2.17E-01	1.33E-01	6.39E-01
3.00E-01	3.73E-03	2.70E-01	1.82E-01	1.82E-01	6.38E-01
4.00E-01	3.72E-03	2.57E-01	1.53E-01	2.21E-01	6.36E-01
5.00E-01	3.70E-03	2.47E-01	1.29E-01	2.52E-01	6.32E-01
6.00E-01	3.70E-03	2.38E-01	1.08E-01	2.76E-01	6.27E-01
7.00E-01	3.70E-03	2.31E-01	9.12E-02	2.94E-01	6.19E-01
8.00E-01	3.70E-03	2.24E-01	7.67E-02	3.05E-01	6.10E-01
9.00E-01	3.70E-03	2.19E-01	6.45E-02	3.12E-01	5.99E-01
1.00E+00	3.70E-03	2.13E-01	5.42E-02	3.15E-01	5.87E-01
2.00E+00	3.74E-03	1.80E-01	9.59E-03	2.32E-01	4.26E-01
3.00E+00	3.77E-03	1.65E-01	1.70E-03	1.25E-01	2.95E-01
4.00E+00	3.79E-03	1.57E-01	3.00E-04	6.07E-02	2.21E-01
5.00E+00	3.81E-03	1.53E-01	5.30E-05	2.86E-02	1.85E-01
6.00E+00	3.82E-03	1.51E-01	9.37E-06	1.34E-02	1.68E-01
7.00E+00	3.84E-03	1.49E-01	1.66E-06	6.44E-03	1.60E-01
8.00E+00	3.85E-03	1.49E-01	2.93E-07	3.18E-03	1.56E-01
9.00E+00	3.87E-03	1.48E-01	5.17E-08	1.65E-03	1.54E-01
1.00E+01	3.89E-03	1.48E-01	0.00E+00	9.20E-04	1.53E-01
2.00E+01	4.04E-03	1.46E-01	0.00E+00	2.36E-04	1.51E-01
3.00E+01	4.20E-03	1.45E-01	0.00E+00	2.32E-04	1.49E-01
4.00E+01	4.36E-03	1.43E-01	0.00E+00	2.29E-04	1.48E-01
5.00E+01	4.51E-03	1.42E-01	0.00E+00	2.26E-04	1.47E-01
6.00E+01	4.67E-03	1.41E-01	0.00E+00	2.23E-04	1.45E-01
7.00E+01	4.83E-03	1.39E-01	0.00E+00	2.20E-04	1.44E-01
8.00E+01	4.99E-03	1.38E-01	0.00E+00	2.17E-04	1.43E-01
9.00E+01	5.15E-03	1.36E-01	0.00E+00	2.14E-04	1.42E-01
1.00E+02	5.31E-03	1.35E-01	0.00E+00	2.11E-04	1.40E-01
2.00E+02	6.93E-03	1.22E-01	0.00E+00	1.84E-04	1.29E-01
3.00E+02	8.57E-03	1.10E-01	0.00E+00	1.60E-04	1.19E-01
4.00E+02	1.02E-02	9.98E-02	0.00E+00	1.39E-04	1.10E-01
5.00E+02	1.18E-02	9.06E-02	0.00E+00	1.21E-04	1.03E-01
7.00E+02	1.50E-02	7.49E-02	0.00E+00	9.18E-05	9.00E-02
8.00E+02	1.65E-02	6.83E-02	0.00E+00	7.99E-05	8.48E-02
9.00E+02	1.79E-02	6.23E-02	0.00E+00	6.95E-05	8.03E-02
1.00E+03	1.94E-02	5.70E-02	0.00E+00	6.05E-05	7.64E-02
2.00E+03	3.01E-02	2.54E-02	0.00E+00	1.51E-05	5.55E-02
3.00E+03	3.57E-02	1.34E-02	0.00E+00	3.78E-06	4.90E-02
4.00E+03	3.80E-02	8.24E-03	0.00E+00	9.45E-07	4.62E-02
5.00E+03	3.86E-02	5.91E-03	0.00E+00	2.36E-07	4.45E-02
7.00E+03	3.75E-02	4.26E-03	0.00E+00	1.48E-08	4.17E-02
8.00E+03	3.65E-02	3.99E-03	0.00E+00	0.00E+00	4.05E-02
9.00E+03	3.55E-02	3.86E-03	0.00E+00	0.00E+00	3.93E-02
1.00E+04	3.44E-02	3.79E-03	0.00E+00	0.00E+00	3.82E-02
2.00E+04	2.53E-02	3.72E-03	0.00E+00	0.00E+00	2.91E-02

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		8.17E-05		1.04E-05
2.00E-01		1.56E-04		2.10E-04
3.00E-01		2.13E-04		1.06E-03
4.00E-01		2.57E-04		3.07E-03
5.00E-01		2.91E-04		6.67E-03
6.00E-01		3.17E-04		1.21E-02
7.00E-01		3.38E-04		1.94E-02
8.00E-01		3.54E-04		2.86E-02
9.00E-01		3.66E-04		3.96E-02
1.00E+00	3.76E-04	3.76E-04	5.21E-02	5.21E-02
2.00E+00	3.44E-05	4.10E-04	1.61E-01	2.13E-01
3.00E+00	6.00E-06	4.16E-04	1.31E-01	3.44E-01
4.00E+00	2.83E-06	4.19E-04	7.36E-02	4.17E-01
5.00E+00	2.21E-06	4.21E-04	3.64E-02	4.54E-01
6.00E+00	2.02E-06	4.23E-04	1.72E-02	4.71E-01
7.00E+00	1.94E-06	4.25E-04	8.12E-03	4.79E-01
8.00E+00	1.90E-06	4.27E-04	3.88E-03	4.83E-01
9.00E+00	1.88E-06	4.29E-04	1.91E-03	4.85E-01
1.00E+01	1.87E-06	4.31E-04	9.85E-04	4.86E-01
2.00E+01	1.88E-06	4.49E-04	1.36E-04	4.88E-01
3.00E+01	1.89E-06	4.68E-04	1.33E-04	4.89E-01
4.00E+01	1.90E-06	4.87E-04	1.31E-04	4.91E-01
5.00E+01	1.91E-06	5.06E-04	1.29E-04	4.92E-01
7.00E+01	1.94E-06	5.45E-04	1.26E-04	4.94E-01
8.00E+01	1.95E-06	5.64E-04	1.24E-04	4.96E-01
9.00E+01	1.96E-06	5.84E-04	1.22E-04	4.97E-01
1.00E+02	1.97E-06	6.04E-04	1.21E-04	4.98E-01
2.00E+02	2.06E-06	8.05E-04	1.05E-04	5.09E-01
3.00E+02	2.13E-06	1.02E-03	9.14E-05	5.19E-01
4.00E+02	2.18E-06	1.23E-03	7.96E-05	5.28E-01
5.00E+02	2.22E-06	1.45E-03	6.93E-05	5.35E-01
7.00E+02	2.25E-06	1.90E-03	5.25E-05	5.47E-01
8.00E+02	2.25E-06	2.12E-03	4.57E-05	5.52E-01
9.00E+02	2.25E-06	2.35E-03	3.98E-05	5.56E-01
1.00E+03	2.23E-06	2.57E-03	3.46E-05	5.60E-01
2.00E+03	1.97E-06	4.69E-03	8.66E-06	5.79E-01
3.00E+03	1.71E-06	6.52E-03	2.16E-06	5.83E-01
4.00E+03	1.52E-06	8.12E-03	5.41E-07	5.84E-01
5.00E+03	1.40E-06	9.58E-03	1.35E-07	5.84E-01
7.00E+03	1.24E-06	1.22E-02	0.00E+00	5.84E-01
8.00E+03	1.18E-06	1.34E-02	0.00E+00	5.84E-01
9.00E+03	1.14E-06	1.46E-02	0.00E+00	5.84E-01
1.00E+04	1.09E-06	1.57E-02	0.00E+00	5.84E-01
2.00E+04	7.50E-07	2.47E-02	0.00E+00	5.82E-01

5. TABLES FOR RETENTION AND EXCRETION FRACTIONS FOR SINGLE INGESTION

INGESTION

$f_1 = 5.00E-03$

HALFLIFE= 5.33E+01 DAYS

BERYLLIUM 7

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	1.43E-03	9.97E-01	9.98E-01
2.00E-01	2.73E-03	9.89E-01	9.91E-01
3.00E-01	3.34E-03	9.73E-01	9.76E-01
4.00E-01	3.55E-03	9.49E-01	9.53E-01
5.00E-01	3.57E-03	9.18E-01	9.21E-01
6.00E-01	3.51E-03	8.80E-01	8.84E-01
7.00E-01	3.42E-03	8.38E-01	8.42E-01
8.00E-01	3.33E-03	7.94E-01	7.97E-01
9.00E-01	3.24E-03	7.47E-01	7.51E-01
1.00E+00	3.17E-03	7.00E-01	7.04E-01
2.00E+00	2.88E-03	3.14E-01	3.16E-01
3.00E+00	2.79E-03	1.23E-01	1.26E-01
4.00E+00	2.72E-03	4.61E-02	4.89E-02
5.00E+00	2.66E-03	1.70E-02	1.96E-02
6.00E+00	2.60E-03	6.20E-03	8.80E-03
7.00E+00	2.54E-03	2.26E-03	4.79E-03
8.00E+00	2.48E-03	8.20E-04	3.30E-03
9.00E+00	2.42E-03	2.98E-04	2.72E-03
1.00E+01	2.37E-03	1.08E-04	2.48E-03
2.00E+01	1.93E-03	0.00E+00	1.93E-03
3.00E+01	1.61E-03	0.00E+00	1.61E-03
4.00E+01	1.36E-03	0.00E+00	1.36E-03
5.00E+01	1.16E-03	0.00E+00	1.16E-03
6.00E+01	1.00E-03	0.00E+00	1.00E-03
7.00E+01	8.70E-04	0.00E+00	8.70E-04
8.00E+01	7.56E-04	0.00E+00	7.56E-04
9.00E+01	6.59E-04	0.00E+00	6.59E-04
1.00E+02	5.74E-04	0.00E+00	5.74E-04
2.00E+02	1.49E-04	0.00E+00	1.49E-04
3.00E+02	3.87E-05	0.00E+00	3.87E-05
4.00E+02	1.01E-05	0.00E+00	1.01E-05
5.00E+02	2.62E-06	0.00E+00	2.62E-06
6.00E+02	6.81E-07	0.00E+00	6.81E-07
7.00E+02	1.77E-07	0.00E+00	1.77E-07
8.00E+02	4.61E-08	0.00E+00	4.61E-08
9.00E+02	1.20E-08	0.00E+00	1.20E-08

INGESTION

$f_1 = 5.00E-03$

HALFLIFE = 5.33E+01 DAYS

BERYLLIUM 7

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		6.41E-05		6.08E-04
2.00E-01		2.77E-04		5.88E-03
3.00E-01		5.53E-04		1.92E-02
4.00E-01		8.26E-04		4.13E-02
5.00E-01		1.07E-03		7.11E-02
6.00E-01		1.27E-03		1.07E-01
7.00E-01		1.44E-03		1.48E-01
8.00E-01		1.57E-03		1.91E-01
9.00E-01		1.67E-03		2.36E-01
1.00E+00	1.75E-03	1.75E-03	2.82E-01	2.82E-01
2.00E+00	2.69E-04	2.00E-03	3.78E-01	6.56E-01
3.00E+00	4.77E-05	2.02E-03	1.86E-01	8.34E-01
4.00E+00	3.20E-05	2.02E-03	7.54E-02	8.98E-01
5.00E+00	2.94E-05	2.03E-03	2.86E-02	9.15E-01
6.00E+00	2.77E-05	2.03E-03	1.06E-02	9.14E-01
7.00E+00	2.62E-05	2.03E-03	3.86E-03	9.06E-01
8.00E+00	2.47E-05	2.03E-03	1.41E-03	8.96E-01
9.00E+00	2.33E-05	2.02E-03	5.12E-04	8.85E-01
1.00E+01	2.20E-05	2.02E-03	1.86E-04	8.74E-01
2.00E+01	1.25E-05	1.93E-03	0.00E+00	7.67E-01
3.00E+01	7.14E-06	1.78E-03	0.00E+00	6.74E-01
4.00E+01	4.17E-06	1.61E-03	0.00E+00	5.91E-01
5.00E+01	2.50E-06	1.45E-03	0.00E+00	5.19E-01
6.00E+01	1.55E-06	1.29E-03	0.00E+00	4.56E-01
7.00E+01	1.00E-06	1.14E-03	0.00E+00	4.00E-01
8.00E+01	6.81E-07	1.01E-03	0.00E+00	3.52E-01
9.00E+01	4.88E-07	8.92E-04	0.00E+00	3.09E-01
1.00E+02	3.67E-07	7.88E-04	0.00E+00	2.71E-01
2.00E+02	6.91E-08	2.22E-04	0.00E+00	7.38E-02
3.00E+02	1.79E-08	6.24E-05	0.00E+00	2.01E-02

INGESTION

 $f_1 = 5.00E-03$

STABLE

BERYLLIUM 9

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	1.43E-03	9.98E-01	9.99E-01
2.00E-01	2.74E-03	9.91E-01	9.94E-01
3.00E-01	3.35E-03	9.77E-01	9.80E-01
4.00E-01	3.57E-03	9.54E-01	9.58E-01
5.00E-01	3.60E-03	9.24E-01	9.27E-01
6.00E-01	3.54E-03	8.87E-01	8.91E-01
7.00E-01	3.45E-03	8.46E-01	8.50E-01
8.00E-01	3.36E-03	8.02E-01	8.05E-01
9.00E-01	3.28E-03	7.56E-01	7.59E-01
1.00E+00	3.21E-03	7.10E-01	7.13E-01
2.00E+00	2.95E-03	3.22E-01	3.25E-01
3.00E+00	2.90E-03	1.28E-01	1.31E-01
4.00E+00	2.87E-03	4.86E-02	5.15E-02
5.00E+00	2.84E-03	1.81E-02	2.10E-02
6.00E+00	2.81E-03	6.70E-03	9.51E-03
7.00E+00	2.78E-03	2.47E-03	5.25E-03
8.00E+00	2.75E-03	9.10E-04	3.66E-03
9.00E+00	2.72E-03	3.35E-04	3.06E-03
1.00E+01	2.70E-03	1.23E-04	2.82E-03
2.00E+01	2.50E-03	0.00E+00	2.50E-03
3.00E+01	2.37E-03	0.00E+00	2.37E-03
4.00E+01	2.29E-03	0.00E+00	2.29E-03
5.00E+01	2.23E-03	0.00E+00	2.23E-03
6.00E+01	2.19E-03	0.00E+00	2.19E-03
7.00E+01	2.16E-03	0.00E+00	2.16E-03
8.00E+01	2.14E-03	0.00E+00	2.14E-03
9.00E+01	2.12E-03	0.00E+00	2.12E-03
1.00E+02	2.11E-03	0.00E+00	2.11E-03
2.00E+02	2.01E-03	0.00E+00	2.01E-03
3.00E+02	1.92E-03	0.00E+00	1.92E-03
4.00E+02	1.83E-03	0.00E+00	1.83E-03
5.00E+02	1.75E-03	0.00E+00	1.75E-03
6.00E+02	1.67E-03	0.00E+00	1.67E-03
7.00E+02	1.59E-03	0.00E+00	1.59E-03
8.00E+02	1.52E-03	0.00E+00	1.52E-03
9.00E+02	1.45E-03	0.00E+00	1.45E-03
1.00E+03	1.39E-03	0.00E+00	1.39E-03
2.00E+03	8.73E-04	0.00E+00	8.73E-04
3.00E+03	5.50E-04	0.00E+00	5.50E-04
4.00E+03	3.47E-04	0.00E+00	3.47E-04
5.00E+03	2.18E-04	0.00E+00	2.18E-04
7.00E+03	8.67E-05	0.00E+00	8.67E-05
8.00E+03	5.46E-05	0.00E+00	5.46E-05
9.00E+03	3.44E-05	0.00E+00	3.44E-05
1.00E+04	2.17E-05	0.00E+00	2.17E-05
2.00E+04	2.14E-07	0.00E+00	2.14E-07

INGESTION

$f_1 = 5.00E-03$

STABLE

BERYLLIUM 9

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		6.42E-05		6.09E-04
2.00E-01		2.78E-04		5.90E-03
3.00E-01		5.55E-04		1.93E-02
4.00E-01		8.30E-04		4.15E-02
5.00E-01		1.08E-03		7.16E-02
6.00E-01		1.28E-03		1.08E-01
7.00E-01		1.45E-03		1.49E-01
8.00E-01		1.58E-03		1.93E-01
9.00E-01		1.69E-03		2.39E-01
1.00E+00	1.77E-03	1.77E-03	2.85E-01	2.85E-01
2.00E+00	2.76E-04	2.05E-03	3.88E-01	6.73E-01
3.00E+00	4.96E-05	2.10E-03	1.94E-01	8.67E-01
4.00E+00	3.37E-05	2.13E-03	7.94E-02	9.46E-01
5.00E+00	3.14E-05	2.16E-03	3.05E-02	9.77E-01
6.00E+00	3.00E-05	2.19E-03	1.14E-02	9.88E-01
7.00E+00	2.87E-05	2.22E-03	4.23E-03	9.93E-01
8.00E+00	2.74E-05	2.25E-03	1.56E-03	9.94E-01
9.00E+00	2.62E-05	2.28E-03	5.75E-04	9.95E-01
1.00E+01	2.51E-05	2.30E-03	2.12E-04	9.95E-01
2.00E+01	1.62E-05	2.50E-03	0.00E+00	9.95E-01
3.00E+01	1.06E-05	2.63E-03	0.00E+00	9.95E-01
4.00E+01	7.02E-06	2.71E-03	0.00E+00	9.95E-01
5.00E+01	4.78E-06	2.77E-03	0.00E+00	9.95E-01
6.00E+01	3.38E-06	2.81E-03	0.00E+00	9.95E-01
7.00E+01	2.49E-06	2.84E-03	0.00E+00	9.95E-01
8.00E+01	1.93E-06	2.86E-03	0.00E+00	9.95E-01
9.00E+01	1.57E-06	2.88E-03	0.00E+00	9.95E-01
1.00E+02	1.35E-06	2.89E-03	0.00E+00	9.95E-01
2.00E+02	9.31E-07	2.99E-03	0.00E+00	9.95E-01
3.00E+02	8.85E-07	3.08E-03	0.00E+00	9.95E-01
4.00E+02	8.45E-07	3.17E-03	0.00E+00	9.95E-01
5.00E+02	8.07E-07	3.25E-03	0.00E+00	9.95E-01
7.00E+02	7.36E-07	3.41E-03	0.00E+00	9.95E-01
8.00E+02	7.03E-07	3.48E-03	0.00E+00	9.95E-01
9.00E+02	6.71E-07	3.55E-03	0.00E+00	9.95E-01
1.00E+03	6.41E-07	3.61E-03	0.00E+00	9.95E-01
2.00E+03	4.04E-07	4.13E-03	0.00E+00	9.95E-01
3.00E+03	2.54E-07	4.45E-03	0.00E+00	9.95E-01
4.00E+03	1.60E-07	4.65E-03	0.00E+00	9.95E-01
5.00E+03	1.01E-07	4.78E-03	0.00E+00	9.95E-01
7.00E+03	4.01E-08	4.91E-03	0.00E+00	9.95E-01
8.00E+03	2.52E-08	4.95E-03	0.00E+00	9.95E-01
9.00E+03	1.59E-08	4.97E-03	0.00E+00	9.95E-01
1.00E+04	1.00E-08	4.98E-03	0.00E+00	9.95E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	9.09E-01	9.07E-02	1.00E+00
2.00E-01	9.92E-01	8.23E-03	1.00E+00
3.00E-01	9.99E-01	7.48E-04	1.00E+00
4.00E-01	1.00E+00	6.86E-05	1.00E+00
5.00E-01	1.00E+00	7.02E-06	1.00E+00
6.00E-01	1.00E+00	1.38E-06	1.00E+00
7.00E-01	1.00E+00	8.30E-07	1.00E+00
8.00E-01	1.00E+00	7.35E-07	1.00E+00
9.00E-01	1.00E+00	6.83E-07	1.00E+00
1.00E+00	1.00E+00	6.35E-07	1.00E+00
2.00E+00	1.00E+00	2.76E-07	1.00E+00
3.00E+00	1.00E+00	1.08E-07	1.00E+00
4.00E+00	1.00E+00	4.09E-08	1.00E+00
5.00E+00	1.00E+00	1.52E-08	1.00E+00
6.00E+00	1.00E+00	0.00E+00	1.00E+00
7.00E+00	1.00E+00	0.00E+00	1.00E+00
8.00E+00	1.00E+00	0.00E+00	1.00E+00
9.00E+00	1.00E+00	0.00E+00	1.00E+00
1.00E+01	1.00E+00	0.00E+00	1.00E+00
2.00E+01	1.00E+00	0.00E+00	1.00E+00
3.00E+01	1.00E+00	0.00E+00	1.00E+00
4.00E+01	1.00E+00	0.00E+00	1.00E+00
5.00E+01	1.00E+00	0.00E+00	1.00E+00
6.00E+01	1.00E+00	0.00E+00	1.00E+00
7.00E+01	1.00E+00	0.00E+00	1.00E+00
8.00E+01	1.00E+00	0.00E+00	1.00E+00
9.00E+01	1.00E+00	0.00E+00	1.00E+00
1.00E+02	1.00E+00	0.00E+00	1.00E+00
2.00E+02	1.00E+00	0.00E+00	1.00E+00
3.00E+02	1.00E+00	0.00E+00	1.00E+00
4.00E+02	1.00E+00	0.00E+00	1.00E+00
5.00E+02	1.00E+00	0.00E+00	1.00E+00
6.00E+02	1.00E+00	0.00E+00	1.00E+00
7.00E+02	1.00E+00	0.00E+00	1.00E+00
8.00E+02	1.00E+00	0.00E+00	1.00E+00
9.00E+02	1.00E+00	0.00E+00	1.00E+00
1.00E+03	1.00E+00	0.00E+00	1.00E+00
2.00E+03	1.00E+00	0.00E+00	1.00E+00
3.00E+03	1.00E+00	0.00E+00	1.00E+00
4.00E+03	1.00E+00	0.00E+00	1.00E+00
5.00E+03	1.00E+00	0.00E+00	1.00E+00
7.00E+03	1.00E+00	0.00E+00	1.00E+00
8.00E+03	1.00E+00	0.00E+00	1.00E+00
9.00E+03	1.00E+00	0.00E+00	1.00E+00
1.00E+04	1.00E+00	0.00E+00	1.00E+00
2.00E+04	1.00E+00	0.00E+00	1.00E+00

INGESTION

 $f_1 = 1.00E+00$

STABLE

SODIUM 23

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	9.05E-01	9.07E-02	9.96E-01
2.00E-01	9.81E-01	8.23E-03	9.89E-01
3.00E-01	9.82E-01	7.48E-04	9.82E-01
4.00E-01	9.75E-01	6.86E-05	9.76E-01
5.00E-01	9.69E-01	7.02E-06	9.69E-01
6.00E-01	9.62E-01	1.38E-06	9.62E-01
7.00E-01	9.56E-01	8.30E-07	9.56E-01
8.00E-01	9.49E-01	7.35E-07	9.49E-01
9.00E-01	9.42E-01	6.83E-07	9.42E-01
1.00E+00	9.36E-01	6.35E-07	9.36E-01
2.00E+00	8.73E-01	2.76E-07	8.73E-01
3.00E+00	8.15E-01	1.08E-07	8.15E-01
4.00E+00	7.61E-01	4.09E-08	7.61E-01
5.00E+00	7.10E-01	1.52E-08	7.10E-01
6.00E+00	6.63E-01	0.00E+00	6.63E-01
7.00E+00	6.19E-01	0.00E+00	6.19E-01
8.00E+00	5.77E-01	0.00E+00	5.77E-01
9.00E+00	5.39E-01	0.00E+00	5.39E-01
1.00E+01	5.03E-01	0.00E+00	5.03E-01
2.00E+01	2.53E-01	0.00E+00	2.53E-01
3.00E+01	1.28E-01	0.00E+00	1.28E-01
4.00E+01	6.54E-02	0.00E+00	6.54E-02
5.00E+01	3.41E-02	0.00E+00	3.41E-02
6.00E+01	1.84E-02	0.00E+00	1.84E-02
7.00E+01	1.05E-02	0.00E+00	1.05E-02
8.00E+01	6.60E-03	0.00E+00	6.60E-03
9.00E+01	4.60E-03	0.00E+00	4.60E-03
1.00E+02	3.59E-03	0.00E+00	3.59E-03
2.00E+02	2.27E-03	0.00E+00	2.27E-03
3.00E+02	1.98E-03	0.00E+00	1.98E-03
4.00E+02	1.72E-03	0.00E+00	1.72E-03
5.00E+02	1.50E-03	0.00E+00	1.50E-03
6.00E+02	1.31E-03	0.00E+00	1.31E-03
7.00E+02	1.14E-03	0.00E+00	1.14E-03
8.00E+02	9.90E-04	0.00E+00	9.90E-04
9.00E+02	8.62E-04	0.00E+00	8.62E-04
1.00E+03	7.50E-04	0.00E+00	7.50E-04
2.00E+03	1.88E-04	0.00E+00	1.88E-04
3.00E+03	4.69E-05	0.00E+00	4.69E-05
4.00E+03	1.17E-05	0.00E+00	1.17E-05
5.00E+03	2.93E-06	0.00E+00	2.93E-06
6.00E+03	7.34E-07	0.00E+00	7.34E-07
7.00E+03	1.83E-07	0.00E+00	1.83E-07
8.00E+03	4.59E-08	0.00E+00	4.59E-08
9.00E+03	1.15E-08	0.00E+00	1.15E-08

INGESTION

$f_1 = 1.00E+00$

STABLE

SODIUM 23

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		4.28E-03		4.28E-05
2.00E-01		1.09E-02		1.09E-04
3.00E-01		1.77E-02		1.77E-04
4.00E-01		2.45E-02		2.45E-04
5.00E-01		3.12E-02		3.12E-04
6.00E-01		3.78E-02		3.79E-04
7.00E-01		4.45E-02		4.45E-04
8.00E-01		5.10E-02		5.11E-04
9.00E-01		5.76E-02		5.76E-04
1.00E+00	6.41E-02	6.41E-02	6.41E-04	6.41E-04
2.00E+00	6.25E-02	1.27E-01	6.25E-04	1.27E-03
3.00E+00	5.83E-02	1.85E-01	5.83E-04	1.85E-03
4.00E+00	5.44E-02	2.39E-01	5.44E-04	2.39E-03
5.00E+00	5.07E-02	2.90E-01	5.07E-04	2.90E-03
6.00E+00	4.73E-02	3.37E-01	4.73E-04	3.37E-03
7.00E+00	4.42E-02	3.81E-01	4.42E-04	3.82E-03
8.00E+00	4.12E-02	4.23E-01	4.12E-04	4.23E-03
9.00E+00	3.85E-02	4.61E-01	3.85E-04	4.61E-03
1.00E+01	3.59E-02	4.97E-01	3.59E-04	4.97E-03
2.00E+01	1.79E-02	7.47E-01	1.79E-04	7.47E-03
3.00E+01	8.98E-03	8.72E-01	8.98E-05	8.72E-03
4.00E+01	4.49E-03	9.35E-01	4.49E-05	9.35E-03
5.00E+01	2.25E-03	9.66E-01	2.25E-05	9.66E-03
6.00E+01	1.13E-03	9.82E-01	1.13E-05	9.82E-03
7.00E+01	5.65E-04	9.89E-01	5.65E-06	9.90E-03
8.00E+01	2.84E-04	9.93E-01	2.84E-06	9.94E-03
9.00E+01	1.44E-04	9.95E-01	1.44E-06	9.95E-03
1.00E+02	7.38E-05	9.96E-01	7.38E-07	9.97E-03
2.00E+02	3.22E-06	9.98E-01	3.22E-08	9.98E-03
3.00E+02	2.75E-06	9.98E-01	2.75E-08	9.98E-03
4.00E+02	2.39E-06	9.98E-01	2.39E-08	9.98E-03
5.00E+02	2.08E-06	9.98E-01	2.08E-08	9.99E-03
6.00E+02	1.81E-06	9.99E-01	1.81E-08	9.99E-03
7.00E+02	1.58E-06	9.99E-01	1.58E-08	9.99E-03
8.00E+02	1.37E-06	9.99E-01	1.37E-08	9.99E-03
9.00E+02	1.20E-06	9.99E-01	1.20E-08	9.99E-03
1.00E+03	1.04E-06	9.99E-01	1.04E-08	9.99E-03
2.00E+03	2.60E-07	1.00E+00	0.00E+00	1.00E-02
3.00E+03	6.51E-08	1.00E+00	0.00E+00	1.00E-02
4.00E+03	1.63E-08	1.00E+00	0.00E+00	1.00E-02

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	2.39E-01	7.55E-01	9.94E-01
2.00E-01	3.92E-01	5.82E-01	9.74E-01
3.00E-01	4.35E-01	5.13E-01	9.48E-01
4.00E-01	4.39E-01	4.79E-01	9.18E-01
5.00E-01	4.33E-01	4.55E-01	8.88E-01
6.00E-01	4.26E-01	4.32E-01	8.58E-01
7.00E-01	4.19E-01	4.09E-01	8.28E-01
8.00E-01	4.14E-01	3.85E-01	7.99E-01
9.00E-01	4.10E-01	3.61E-01	7.71E-01
1.00E+00	4.07E-01	3.37E-01	7.44E-01
2.00E+00	3.95E-01	1.49E-01	5.45E-01
3.00E+00	3.92E-01	5.89E-02	4.51E-01
4.00E+00	3.89E-01	2.23E-02	4.12E-01
5.00E+00	3.87E-01	8.29E-03	3.95E-01
6.00E+00	3.84E-01	3.07E-03	3.87E-01
7.00E+00	3.81E-01	1.13E-03	3.83E-01
8.00E+00	3.79E-01	4.16E-04	3.79E-01
9.00E+00	3.76E-01	1.53E-04	3.76E-01
1.00E+01	3.74E-01	5.64E-05	3.74E-01
2.00E+01	3.49E-01	0.00E+00	3.49E-01
3.00E+01	3.25E-01	0.00E+00	3.25E-01
4.00E+01	3.03E-01	0.00E+00	3.03E-01
5.00E+01	2.83E-01	0.00E+00	2.83E-01
6.00E+01	2.64E-01	0.00E+00	2.64E-01
7.00E+01	2.46E-01	0.00E+00	2.46E-01
8.00E+01	2.30E-01	0.00E+00	2.30E-01
9.00E+01	2.15E-01	0.00E+00	2.15E-01
1.00E+02	2.00E-01	0.00E+00	2.00E-01
2.00E+02	1.00E-01	0.00E+00	1.00E-01
3.00E+02	5.01E-02	0.00E+00	5.01E-02
4.00E+02	2.50E-02	0.00E+00	2.50E-02
5.00E+02	1.25E-02	0.00E+00	1.25E-02
6.00E+02	6.26E-03	0.00E+00	6.26E-03
7.00E+02	3.13E-03	0.00E+00	3.13E-03
8.00E+02	1.57E-03	0.00E+00	1.57E-03
9.00E+02	7.83E-04	0.00E+00	7.83E-04
1.00E+03	3.92E-04	0.00E+00	3.92E-04
2.00E+03	3.83E-07	0.00E+00	3.83E-07

INGESTION

 $f_1 = 5.00E-01$

STABLE

MAGNESIUM 24

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		5.54E-03		5.44E-04
2.00E-01		2.11E-02		4.77E-03
3.00E-01		3.81E-02		1.44E-02
4.00E-01		5.27E-02		2.90E-02
5.00E-01		6.44E-02		4.73E-02
6.00E-01		7.35E-02		6.84E-02
7.00E-01		8.05E-02		9.11E-02
8.00E-01		8.58E-02		1.15E-01
9.00E-01		9.00E-02		1.39E-01
1.00E+00	9.32E-02	9.32E-02	1.63E-01	1.63E-01
2.00E+00	1.14E-02	1.05E-01	1.88E-01	3.51E-01
3.00E+00	3.27E-03	1.08E-01	9.04E-02	4.41E-01
4.00E+00	2.74E-03	1.11E-01	3.66E-02	4.78E-01
5.00E+00	2.69E-03	1.13E-01	1.40E-02	4.92E-01
6.00E+00	2.67E-03	1.16E-01	5.23E-03	4.97E-01
7.00E+00	2.65E-03	1.19E-01	1.94E-03	4.99E-01
8.00E+00	2.63E-03	1.21E-01	7.14E-04	5.00E-01
9.00E+00	2.62E-03	1.24E-01	2.63E-04	5.00E-01
1.00E+01	2.60E-03	1.26E-01	9.68E-05	5.00E-01
2.00E+01	2.42E-03	1.51E-01	0.00E+00	5.00E-01
3.00E+01	2.26E-03	1.75E-01	0.00E+00	5.00E-01
4.00E+01	2.11E-03	1.97E-01	0.00E+00	5.00E-01
5.00E+01	1.97E-03	2.17E-01	0.00E+00	5.00E-01
6.00E+01	1.84E-03	2.36E-01	0.00E+00	5.00E-01
7.00E+01	1.71E-03	2.54E-01	0.00E+00	5.00E-01
8.00E+01	1.60E-03	2.70E-01	0.00E+00	5.00E-01
9.00E+01	1.49E-03	2.85E-01	0.00E+00	5.00E-01
1.00E+02	1.39E-03	3.00E-01	0.00E+00	5.00E-01
2.00E+02	6.96E-04	4.00E-01	0.00E+00	5.00E-01
3.00E+02	3.48E-04	4.50E-01	0.00E+00	5.00E-01
4.00E+02	1.74E-04	4.75E-01	0.00E+00	5.00E-01
5.00E+02	8.71E-05	4.87E-01	0.00E+00	5.00E-01
6.00E+02	4.35E-05	4.94E-01	0.00E+00	5.00E-01
7.00E+02	2.18E-05	4.97E-01	0.00E+00	5.00E-01
8.00E+02	1.09E-05	4.98E-01	0.00E+00	5.00E-01
9.00E+02	5.44E-06	4.99E-01	0.00E+00	5.00E-01
1.00E+03	2.72E-06	5.00E-01	0.00E+00	5.00E-01

INGESTION

 $f_1 = 1.00E-02$

STABLE

ALUMINIUM 27

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	3.01E-03	9.96E-01	9.99E-01
2.00E-01	6.04E-03	9.88E-01	9.94E-01
3.00E-01	7.82E-03	9.73E-01	9.81E-01
4.00E-01	8.80E-03	9.50E-01	9.59E-01
5.00E-01	9.33E-03	9.19E-01	9.29E-01
6.00E-01	9.62E-03	8.83E-01	8.92E-01
7.00E-01	9.77E-03	8.42E-01	8.51E-01
8.00E-01	9.85E-03	7.98E-01	8.08E-01
9.00E-01	9.89E-03	7.52E-01	7.62E-01
1.00E+00	9.91E-03	7.06E-01	7.16E-01
2.00E+00	9.88E-03	3.20E-01	3.30E-01
3.00E+00	9.81E-03	1.27E-01	1.37E-01
4.00E+00	9.74E-03	4.83E-02	5.80E-02
5.00E+00	9.67E-03	1.80E-02	2.77E-02
6.00E+00	9.61E-03	6.66E-03	1.63E-02
7.00E+00	9.54E-03	2.46E-03	1.20E-02
8.00E+00	9.47E-03	9.05E-04	1.04E-02
9.00E+00	9.41E-03	3.33E-04	9.74E-03
1.00E+01	9.34E-03	1.23E-04	9.47E-03
2.00E+01	8.72E-03	0.00E+00	8.72E-03
3.00E+01	8.13E-03	0.00E+00	8.13E-03
4.00E+01	7.59E-03	0.00E+00	7.59E-03
5.00E+01	7.08E-03	0.00E+00	7.08E-03
6.00E+01	6.61E-03	0.00E+00	6.61E-03
7.00E+01	6.17E-03	0.00E+00	6.17E-03
8.00E+01	5.75E-03	0.00E+00	5.75E-03
9.00E+01	5.37E-03	0.00E+00	5.37E-03
1.00E+02	5.01E-03	0.00E+00	5.01E-03
2.00E+02	2.50E-03	0.00E+00	2.50E-03
3.00E+02	1.25E-03	0.00E+00	1.25E-03
4.00E+02	6.26E-04	0.00E+00	6.26E-04
5.00E+02	3.13E-04	0.00E+00	3.13E-04
6.00E+02	1.57E-04	0.00E+00	1.57E-04
7.00E+02	7.83E-05	0.00E+00	7.83E-05
8.00E+02	3.92E-05	0.00E+00	3.92E-05
9.00E+02	1.96E-05	0.00E+00	1.96E-05
1.00E+03	9.79E-06	0.00E+00	9.79E-06

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		8.64E-07		6.09E-04
2.00E-01		4.08E-06		5.89E-03
3.00E-01		8.94E-06		1.93E-02
4.00E-01		1.47E-05		4.14E-02
5.00E-01		2.10E-05		7.14E-02
6.00E-01		2.76E-05		1.08E-01
7.00E-01		3.43E-05		1.49E-01
8.00E-01		4.11E-05		1.92E-01
9.00E-01		4.80E-05		2.38E-01
1.00E+00	5.49E-05	5.49E-05	2.84E-01	2.84E-01
2.00E+00	6.86E-05	1.24E-04	3.86E-01	6.70E-01
3.00E+00	6.82E-05	1.92E-04	1.93E-01	8.63E-01
4.00E+00	6.77E-05	2.59E-04	7.89E-02	9.42E-01
5.00E+00	6.73E-05	3.27E-04	3.03E-02	9.72E-01
6.00E+00	6.68E-05	3.94E-04	1.13E-02	9.83E-01
7.00E+00	6.63E-05	4.60E-04	4.21E-03	9.88E-01
8.00E+00	6.59E-05	5.26E-04	1.55E-03	9.89E-01
9.00E+00	6.54E-05	5.91E-04	5.72E-04	9.90E-01
1.00E+01	6.50E-05	6.56E-04	2.10E-04	9.90E-01
2.00E+01	6.06E-05	1.28E-03	0.00E+00	9.90E-01
3.00E+01	5.66E-05	1.87E-03	0.00E+00	9.90E-01
4.00E+01	5.28E-05	2.41E-03	0.00E+00	9.90E-01
5.00E+01	4.92E-05	2.92E-03	0.00E+00	9.90E-01
6.00E+01	4.59E-05	3.39E-03	0.00E+00	9.90E-01
7.00E+01	4.29E-05	3.83E-03	0.00E+00	9.90E-01
8.00E+01	4.00E-05	4.25E-03	0.00E+00	9.90E-01
9.00E+01	3.73E-05	4.63E-03	0.00E+00	9.90E-01
1.00E+02	3.48E-05	4.99E-03	0.00E+00	9.90E-01
2.00E+02	1.74E-05	7.50E-03	0.00E+00	9.90E-01
3.00E+02	8.71E-06	8.75E-03	0.00E+00	9.90E-01
4.00E+02	4.36E-06	9.37E-03	0.00E+00	9.90E-01
5.00E+02	2.18E-06	9.69E-03	0.00E+00	9.90E-01
6.00E+02	1.09E-06	9.84E-03	0.00E+00	9.90E-01
7.00E+02	5.45E-07	9.92E-03	0.00E+00	9.90E-01
8.00E+02	2.72E-07	9.96E-03	0.00E+00	9.90E-01
9.00E+02	1.36E-07	9.98E-03	0.00E+00	9.90E-01
1.00E+03	6.81E-08	9.99E-03	0.00E+00	9.90E-01

INGESTION

$f_1 = 1.00E-02$

STABLE

SILICON 28

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	3.00E-03	9.96E-01	9.99E-01
2.00E-01	6.01E-03	9.88E-01	9.94E-01
3.00E-01	7.75E-03	9.73E-01	9.81E-01
4.00E-01	8.69E-03	9.50E-01	9.58E-01
5.00E-01	9.18E-03	9.19E-01	9.28E-01
6.00E-01	9.42E-03	8.83E-01	8.92E-01
7.00E-01	9.52E-03	8.42E-01	8.51E-01
8.00E-01	9.55E-03	7.98E-01	8.07E-01
9.00E-01	9.55E-03	7.52E-01	7.62E-01
1.00E+00	9.52E-03	7.06E-01	7.15E-01
2.00E+00	9.04E-03	3.20E-01	3.29E-01
3.00E+00	8.60E-03	1.27E-01	1.36E-01
4.00E+00	8.21E-03	4.83E-02	5.65E-02
5.00E+00	7.86E-03	1.80E-02	2.59E-02
6.00E+00	7.55E-03	6.66E-03	1.42E-02
7.00E+00	7.28E-03	2.46E-03	9.74E-03
8.00E+00	7.04E-03	9.05E-04	7.94E-03
9.00E+00	6.82E-03	3.33E-04	7.16E-03
1.00E+01	6.63E-03	1.23E-04	6.75E-03
2.00E+01	5.49E-03	0.00E+00	5.49E-03
3.00E+01	4.94E-03	0.00E+00	4.94E-03
4.00E+01	4.57E-03	0.00E+00	4.57E-03
5.00E+01	4.25E-03	0.00E+00	4.25E-03
6.00E+01	3.97E-03	0.00E+00	3.97E-03
7.00E+01	3.70E-03	0.00E+00	3.70E-03
8.00E+01	3.45E-03	0.00E+00	3.45E-03
9.00E+01	3.22E-03	0.00E+00	3.22E-03
1.00E+02	3.00E-03	0.00E+00	3.00E-03
2.00E+02	1.50E-03	0.00E+00	1.50E-03
3.00E+02	7.51E-04	0.00E+00	7.51E-04
4.00E+02	3.76E-04	0.00E+00	3.76E-04
5.00E+02	1.88E-04	0.00E+00	1.88E-04
6.00E+02	9.40E-05	0.00E+00	9.40E-05
7.00E+02	4.70E-05	0.00E+00	4.70E-05
8.00E+02	2.35E-05	0.00E+00	2.35E-05
9.00E+02	1.18E-05	0.00E+00	1.18E-05
1.00E+03	5.88E-06	0.00E+00	5.88E-06

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		7.42E-06		6.09E-04
2.00E-01		3.49E-05		5.89E-03
3.00E-01		7.62E-05		1.93E-02
4.00E-01		1.25E-04		4.14E-02
5.00E-01		1.77E-04		7.14E-02
6.00E-01		2.32E-04		1.08E-01
7.00E-01		2.86E-04		1.49E-01
8.00E-01		3.41E-04		1.92E-01
9.00E-01		3.96E-04		2.38E-01
1.00E+00	4.50E-04	4.50E-04	2.84E-01	2.84E-01
2.00E+00	5.06E-04	9.56E-04	3.86E-01	6.70E-01
3.00E+00	4.46E-04	1.40E-03	1.93E-01	8.63E-01
4.00E+00	3.93E-04	1.79E-03	7.89E-02	9.42E-01
5.00E+00	3.47E-04	2.14E-03	3.03E-02	9.72E-01
6.00E+00	3.07E-04	2.45E-03	1.13E-02	9.83E-01
7.00E+00	2.72E-04	2.72E-03	4.21E-03	9.88E-01
8.00E+00	2.41E-04	2.96E-03	1.55E-03	9.89E-01
9.00E+00	2.15E-04	3.18E-03	5.72E-04	9.90E-01
1.00E+01	1.92E-04	3.37E-03	2.10E-04	9.90E-01
2.00E+01	7.45E-05	4.51E-03	0.00E+00	9.90E-01
3.00E+01	4.34E-05	5.06E-03	0.00E+00	9.90E-01
4.00E+01	3.40E-05	5.43E-03	0.00E+00	9.90E-01
5.00E+01	3.01E-05	5.75E-03	0.00E+00	9.90E-01
6.00E+01	2.77E-05	6.03E-03	0.00E+00	9.90E-01
7.00E+01	2.58E-05	6.30E-03	0.00E+00	9.90E-01
8.00E+01	2.40E-05	6.55E-03	0.00E+00	9.90E-01
9.00E+01	2.24E-05	6.78E-03	0.00E+00	9.90E-01
1.00E+02	2.09E-05	7.00E-03	0.00E+00	9.90E-01
2.00E+02	1.04E-05	8.50E-03	0.00E+00	9.90E-01
3.00E+02	5.23E-06	9.25E-03	0.00E+00	9.90E-01
4.00E+02	2.61E-06	9.62E-03	0.00E+00	9.90E-01
5.00E+02	1.31E-06	9.81E-03	0.00E+00	9.90E-01
6.00E+02	6.53E-07	9.91E-03	0.00E+00	9.90E-01
7.00E+02	3.27E-07	9.95E-03	0.00E+00	9.90E-01
8.00E+02	1.63E-07	9.98E-03	0.00E+00	9.90E-01
9.00E+02	8.17E-08	9.99E-03	0.00E+00	9.90E-01
1.00E+03	4.09E-08	9.99E-03	0.00E+00	9.90E-01

INGESTION

$f_1 = 8.00E-01$

STABLE

PHOSPHORUS 31

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	5.89E-01	4.03E-01	9.92E-01
2.00E-01	7.49E-01	2.22E-01	9.71E-01
3.00E-01	7.54E-01	1.95E-01	9.49E-01
4.00E-01	7.40E-01	1.86E-01	9.25E-01
5.00E-01	7.25E-01	1.77E-01	9.03E-01
6.00E-01	7.12E-01	1.68E-01	8.80E-01
7.00E-01	7.00E-01	1.59E-01	8.59E-01
8.00E-01	6.89E-01	1.49E-01	8.38E-01
9.00E-01	6.79E-01	1.40E-01	8.19E-01
1.00E+00	6.70E-01	1.30E-01	8.00E-01
2.00E+00	6.08E-01	5.70E-02	6.65E-01
3.00E+00	5.73E-01	2.24E-02	5.95E-01
4.00E+00	5.48E-01	8.46E-03	5.57E-01
5.00E+00	5.29E-01	3.15E-03	5.32E-01
6.00E+00	5.13E-01	1.16E-03	5.14E-01
7.00E+00	4.99E-01	4.29E-04	4.99E-01
8.00E+00	4.86E-01	1.58E-04	4.87E-01
9.00E+00	4.76E-01	5.81E-05	4.76E-01
1.00E+01	4.66E-01	2.14E-05	4.66E-01
2.00E+01	3.93E-01	0.00E+00	3.93E-01
3.00E+01	3.44E-01	0.00E+00	3.44E-01
4.00E+01	3.10E-01	0.00E+00	3.10E-01
5.00E+01	2.86E-01	0.00E+00	2.86E-01
6.00E+01	2.69E-01	0.00E+00	2.69E-01
7.00E+01	2.57E-01	0.00E+00	2.57E-01
8.00E+01	2.49E-01	0.00E+00	2.49E-01
9.00E+01	2.42E-01	0.00E+00	2.42E-01
1.00E+02	2.38E-01	0.00E+00	2.38E-01
2.00E+02	2.19E-01	0.00E+00	2.19E-01
3.00E+02	2.09E-01	0.00E+00	2.09E-01
4.00E+02	2.00E-01	0.00E+00	2.00E-01
5.00E+02	1.91E-01	0.00E+00	1.91E-01
6.00E+02	1.82E-01	0.00E+00	1.82E-01
7.00E+02	1.74E-01	0.00E+00	1.74E-01
8.00E+02	1.66E-01	0.00E+00	1.66E-01
9.00E+02	1.58E-01	0.00E+00	1.58E-01
1.00E+03	1.51E-01	0.00E+00	1.51E-01
2.00E+03	9.53E-02	0.00E+00	9.53E-02
3.00E+03	6.00E-02	0.00E+00	6.00E-02
4.00E+03	3.78E-02	0.00E+00	3.78E-02
5.00E+03	2.38E-02	0.00E+00	2.38E-02
6.00E+03	1.50E-02	0.00E+00	1.50E-02
7.00E+03	9.46E-03	0.00E+00	9.46E-03
8.00E+03	5.96E-03	0.00E+00	5.96E-03
9.00E+03	3.75E-03	0.00E+00	3.75E-03
1.00E+04	2.36E-03	0.00E+00	2.36E-03
2.00E+04	2.33E-05	0.00E+00	2.33E-05

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	24-HOUR URINE	ACCUMULATED URINE	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		7.12E-03		1.20E-03
2.00E-01		2.31E-02		5.50E-03
3.00E-01		3.92E-02		1.22E-02
4.00E-01		5.39E-02		2.06E-02
5.00E-01		6.72E-02		3.02E-02
6.00E-01		7.91E-02		4.04E-02
7.00E-01		9.00E-02		5.10E-02
8.00E-01		9.99E-02		6.18E-02
9.00E-01		1.09E-01		7.24E-02
1.00E+00	1.17E-01	1.17E-01	8.28E-02	8.28E-02
2.00E+00	5.56E-02	1.73E-01	7.94E-02	1.62E-01
3.00E+00	3.16E-02	2.04E-01	3.81E-02	2.00E-01
4.00E+00	2.23E-02	2.27E-01	1.64E-02	2.17E-01
5.00E+00	1.75E-02	2.44E-01	7.26E-03	2.24E-01
6.00E+00	1.45E-02	2.59E-01	3.60E-03	2.28E-01
7.00E+00	1.25E-02	2.71E-01	2.12E-03	2.30E-01
8.00E+00	1.10E-02	2.82E-01	1.49E-03	2.31E-01
9.00E+00	9.86E-03	2.92E-01	1.20E-03	2.32E-01
1.00E+01	8.98E-03	3.01E-01	1.04E-03	2.33E-01
2.00E+01	5.32E-03	3.67E-01	5.91E-04	2.41E-01
3.00E+01	3.69E-03	4.10E-01	4.10E-04	2.46E-01
4.00E+01	2.59E-03	4.41E-01	2.88E-04	2.49E-01
5.00E+01	1.83E-03	4.62E-01	2.03E-04	2.51E-01
6.00E+01	1.30E-03	4.78E-01	1.44E-04	2.53E-01
7.00E+01	9.32E-04	4.88E-01	1.04E-04	2.54E-01
8.00E+01	6.76E-04	4.96E-01	7.51E-05	2.55E-01
9.00E+01	4.98E-04	5.02E-01	5.54E-05	2.56E-01
1.00E+02	3.75E-04	5.06E-01	4.17E-05	2.56E-01
2.00E+02	9.83E-05	5.23E-01	1.09E-05	2.58E-01
3.00E+02	8.71E-05	5.32E-01	9.68E-06	2.59E-01
4.00E+02	8.30E-05	5.40E-01	9.22E-06	2.60E-01
5.00E+02	7.92E-05	5.49E-01	8.80E-06	2.61E-01
6.00E+02	7.57E-05	5.56E-01	8.41E-06	2.62E-01
7.00E+02	7.22E-05	5.64E-01	8.03E-06	2.63E-01
8.00E+02	6.90E-05	5.71E-01	7.66E-06	2.63E-01
9.00E+02	6.59E-05	5.77E-01	7.32E-06	2.64E-01
1.00E+03	6.29E-05	5.84E-01	6.99E-06	2.65E-01
2.00E+03	3.96E-05	6.34E-01	4.40E-06	2.70E-01
3.00E+03	2.50E-05	6.66E-01	2.77E-06	2.74E-01
4.00E+03	1.57E-05	6.86E-01	1.75E-06	2.76E-01
5.00E+03	9.91E-06	6.99E-01	1.10E-06	2.78E-01
6.00E+03	6.24E-06	7.06E-01	6.94E-07	2.78E-01
7.00E+03	3.93E-06	7.11E-01	4.37E-07	2.79E-01
8.00E+03	2.48E-06	7.15E-01	2.75E-07	2.79E-01
9.00E+03	1.56E-06	7.17E-01	1.73E-07	2.80E-01
1.00E+04	9.83E-07	7.18E-01	1.09E-07	2.80E-01

INGESTION

 $f_1 = 8.00E-01$

HALFLIFE= 1.43E+01 DAYS

PHOSPHORUS 32

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	5.86E-01	4.01E-01	9.87E-01
2.00E-01	7.42E-01	2.20E-01	9.62E-01
3.00E-01	7.43E-01	1.92E-01	9.35E-01
4.00E-01	7.26E-01	1.82E-01	9.08E-01
5.00E-01	7.08E-01	1.73E-01	8.81E-01
6.00E-01	6.92E-01	1.64E-01	8.55E-01
7.00E-01	6.77E-01	1.54E-01	8.30E-01
8.00E-01	6.63E-01	1.44E-01	8.06E-01
9.00E-01	6.50E-01	1.34E-01	7.84E-01
1.00E+00	6.38E-01	1.24E-01	7.62E-01
2.00E+00	5.52E-01	5.17E-02	6.04E-01
3.00E+00	4.95E-01	1.93E-02	5.15E-01
4.00E+00	4.52E-01	6.97E-03	4.58E-01
5.00E+00	4.15E-01	2.47E-03	4.17E-01
6.00E+00	3.83E-01	8.70E-04	3.84E-01
7.00E+00	3.55E-01	3.05E-04	3.55E-01
8.00E+00	3.30E-01	1.07E-04	3.30E-01
9.00E+00	3.07E-01	3.76E-05	3.07E-01
1.00E+01	2.87E-01	1.32E-05	2.87E-01
2.00E+01	1.49E-01	0.00E+00	1.49E-01
3.00E+01	8.03E-02	0.00E+00	8.03E-02
4.00E+01	4.46E-02	0.00E+00	4.46E-02
5.00E+01	2.53E-02	0.00E+00	2.53E-02
6.00E+01	1.47E-02	0.00E+00	1.47E-02
7.00E+01	8.63E-03	0.00E+00	8.63E-03
8.00E+01	5.13E-03	0.00E+00	5.13E-03
9.00E+01	3.08E-03	0.00E+00	3.08E-03
1.00E+02	1.86E-03	0.00E+00	1.86E-03
2.00E+02	1.34E-05	0.00E+00	1.34E-05
3.00E+02	1.00E-07	0.00E+00	1.00E-07

INGESTION

$f_1 = 8.00E-01$

HALFLIFE= 1.43E+01 DAYS

PHOSPHORUS 32

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	24-HOUR URINE	ACCUMULATED URINE	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		7.08E-03		1.19E-03
2.00E-01		2.29E-02		5.45E-03
3.00E-01		3.86E-02		1.20E-02
4.00E-01		5.29E-02		2.02E-02
5.00E-01		6.55E-02		2.94E-02
6.00E-01		7.69E-02		3.93E-02
7.00E-01		8.70E-02		4.93E-02
8.00E-01		9.61E-02		5.94E-02
9.00E-01		1.04E-01		6.93E-02
1.00E+00	1.12E-01	1.12E-01	7.89E-02	7.89E-02
2.00E+00	5.04E-02	1.57E-01	7.21E-02	1.47E-01
3.00E+00	2.73E-02	1.77E-01	3.29E-02	1.73E-01
4.00E+00	1.83E-02	1.87E-01	1.35E-02	1.78E-01
5.00E+00	1.37E-02	1.92E-01	5.69E-03	1.76E-01
6.00E+00	1.09E-02	1.93E-01	2.69E-03	1.70E-01
7.00E+00	8.90E-03	1.93E-01	1.51E-03	1.64E-01
8.00E+00	7.45E-03	1.91E-01	1.01E-03	1.57E-01
9.00E+00	6.37E-03	1.89E-01	7.72E-04	1.50E-01
1.00E+01	5.53E-03	1.85E-01	6.37E-04	1.44E-01
2.00E+01	2.02E-03	1.39E-01	2.24E-04	9.12E-02
3.00E+01	8.61E-04	9.57E-02	9.57E-05	5.73E-02
4.00E+01	3.72E-04	6.33E-02	4.14E-05	3.58E-02
5.00E+01	1.62E-04	4.09E-02	1.80E-05	2.22E-02
6.00E+01	7.08E-05	2.60E-02	7.86E-06	1.38E-02
7.00E+01	3.12E-05	1.64E-02	3.47E-06	8.52E-03
8.00E+01	1.40E-05	1.02E-02	1.55E-06	5.27E-03
9.00E+01	6.33E-06	6.38E-03	7.04E-07	3.25E-03
1.00E+02	2.93E-06	3.96E-03	3.26E-07	2.00E-03

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	5.36E-01	4.03E-01	9.39E-01
2.00E-01	5.90E-01	2.22E-01	8.12E-01
3.00E-01	5.03E-01	1.95E-01	6.98E-01
4.00E-01	4.22E-01	1.86E-01	6.07E-01
5.00E-01	3.58E-01	1.77E-01	5.35E-01
6.00E-01	3.09E-01	1.68E-01	4.77E-01
7.00E-01	2.72E-01	1.59E-01	4.31E-01
8.00E-01	2.44E-01	1.49E-01	3.93E-01
9.00E-01	2.22E-01	1.40E-01	3.62E-01
1.00E+00	2.06E-01	1.30E-01	3.36E-01
2.00E+00	1.55E-01	5.70E-02	2.12E-01
3.00E+00	1.49E-01	2.24E-02	1.71E-01
4.00E+00	1.45E-01	8.46E-03	1.53E-01
5.00E+00	1.41E-01	3.15E-03	1.44E-01
6.00E+00	1.38E-01	1.16E-03	1.39E-01
7.00E+00	1.34E-01	4.29E-04	1.35E-01
8.00E+00	1.31E-01	1.58E-04	1.31E-01
9.00E+00	1.28E-01	5.81E-05	1.28E-01
1.00E+01	1.25E-01	2.14E-05	1.25E-01
2.00E+01	9.99E-02	0.00E+00	9.99E-02
3.00E+01	8.21E-02	0.00E+00	8.21E-02
4.00E+01	6.95E-02	0.00E+00	6.95E-02
5.00E+01	6.06E-02	0.00E+00	6.06E-02
6.00E+01	5.42E-02	0.00E+00	5.42E-02
7.00E+01	4.97E-02	0.00E+00	4.97E-02
8.00E+01	4.64E-02	0.00E+00	4.64E-02
9.00E+01	4.41E-02	0.00E+00	4.41E-02
1.00E+02	4.24E-02	0.00E+00	4.24E-02
2.00E+02	3.74E-02	0.00E+00	3.74E-02
3.00E+02	3.61E-02	0.00E+00	3.61E-02
4.00E+02	3.48E-02	0.00E+00	3.48E-02
5.00E+02	3.36E-02	0.00E+00	3.36E-02
6.00E+02	3.25E-02	0.00E+00	3.25E-02
7.00E+02	3.14E-02	0.00E+00	3.14E-02
8.00E+02	3.03E-02	0.00E+00	3.03E-02
9.00E+02	2.93E-02	0.00E+00	2.93E-02
1.00E+03	2.83E-02	0.00E+00	2.83E-02
2.00E+03	2.00E-02	0.00E+00	2.00E-02
3.00E+03	1.41E-02	0.00E+00	1.41E-02
4.00E+03	1.00E-02	0.00E+00	1.00E-02
5.00E+03	7.07E-03	0.00E+00	7.07E-03
6.00E+03	5.00E-03	0.00E+00	5.00E-03
7.00E+03	3.54E-03	0.00E+00	3.54E-03
8.00E+03	2.50E-03	0.00E+00	2.50E-03
9.00E+03	1.77E-03	0.00E+00	1.77E-03
1.00E+04	1.25E-03	0.00E+00	1.25E-03
2.00E+04	3.91E-05	0.00E+00	3.91E-05

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	24-HOUR URINE	ACCUMULATED URINE	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		5.47E-02		6.49E-03
2.00E-01		1.67E-01		2.15E-02
3.00E-01		2.65E-01		3.73E-02
4.00E-01		3.40E-01		5.25E-02
5.00E-01		3.98E-01		6.69E-02
6.00E-01		4.42E-01		8.07E-02
7.00E-01		4.75E-01		9.38E-02
8.00E-01		5.00E-01		1.06E-01
9.00E-01		5.20E-01		1.18E-01
1.00E+00	5.34E-01	5.34E-01	1.29E-01	1.29E-01
2.00E+00	4.57E-02	5.80E-01	7.83E-02	2.08E-01
3.00E+00	6.09E-03	5.86E-01	3.52E-02	2.43E-01
4.00E+00	3.50E-03	5.90E-01	1.43E-02	2.57E-01
5.00E+00	3.23E-03	5.93E-01	5.67E-03	2.63E-01
6.00E+00	3.11E-03	5.96E-01	2.33E-03	2.65E-01
7.00E+00	3.01E-03	5.99E-01	1.07E-03	2.66E-01
8.00E+00	2.91E-03	6.02E-01	5.94E-04	2.67E-01
9.00E+00	2.81E-03	6.05E-01	4.12E-04	2.67E-01
1.00E+01	2.71E-03	6.08E-01	3.38E-04	2.67E-01
2.00E+01	1.92E-03	6.30E-01	2.14E-04	2.70E-01
3.00E+01	1.36E-03	6.46E-01	1.51E-04	2.72E-01
4.00E+01	9.67E-04	6.57E-01	1.07E-04	2.73E-01
5.00E+01	6.87E-04	6.65E-01	7.64E-05	2.74E-01
6.00E+01	4.90E-04	6.71E-01	5.44E-05	2.75E-01
7.00E+01	3.50E-04	6.75E-01	3.89E-05	2.75E-01
8.00E+01	2.51E-04	6.78E-01	2.79E-05	2.75E-01
9.00E+01	1.81E-04	6.80E-01	2.01E-05	2.76E-01
1.00E+02	1.31E-04	6.82E-01	1.46E-05	2.76E-01
2.00E+02	1.54E-05	6.86E-01	1.71E-06	2.76E-01
3.00E+02	1.14E-05	6.88E-01	1.26E-06	2.76E-01
4.00E+02	1.09E-05	6.89E-01	1.21E-06	2.77E-01
5.00E+02	1.05E-05	6.90E-01	1.17E-06	2.77E-01
6.00E+02	1.01E-05	6.91E-01	1.13E-06	2.77E-01
8.00E+02	9.46E-06	6.93E-01	1.05E-06	2.77E-01
9.00E+02	9.13E-06	6.94E-01	1.01E-06	2.77E-01
1.00E+03	8.82E-06	6.95E-01	9.80E-07	2.77E-01
2.00E+03	6.24E-06	7.02E-01	6.93E-07	2.78E-01
3.00E+03	4.41E-06	7.07E-01	4.90E-07	2.79E-01
4.00E+03	3.12E-06	7.11E-01	3.47E-07	2.79E-01
5.00E+03	2.21E-06	7.14E-01	2.45E-07	2.79E-01
6.00E+03	1.56E-06	7.15E-01	1.73E-07	2.79E-01
7.00E+03	1.10E-06	7.17E-01	1.23E-07	2.80E-01
8.00E+03	7.80E-07	7.18E-01	8.67E-08	2.80E-01
9.00E+03	5.52E-07	7.18E-01	6.13E-08	2.80E-01
1.00E+04	3.90E-07	7.19E-01	4.34E-08	2.80E-01
2.00E+04	1.22E-08	7.20E-01	0.00E+00	2.80E-01

INGESTION

$f_1 = 8.00E-01$

HALFLIFE= 8.74E+01 DAYS

SULPHUR 35

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	5.35E-01	4.03E-01	9.38E-01
2.00E-01	5.89E-01	2.22E-01	8.11E-01
3.00E-01	5.02E-01	1.94E-01	6.96E-01
4.00E-01	4.20E-01	1.85E-01	6.05E-01
5.00E-01	3.56E-01	1.77E-01	5.33E-01
6.00E-01	3.08E-01	1.68E-01	4.75E-01
7.00E-01	2.71E-01	1.58E-01	4.29E-01
8.00E-01	2.42E-01	1.48E-01	3.91E-01
9.00E-01	2.21E-01	1.39E-01	3.60E-01
1.00E+00	2.05E-01	1.29E-01	3.34E-01
2.00E+00	1.53E-01	5.61E-02	2.09E-01
3.00E+00	1.45E-01	2.19E-02	1.67E-01
4.00E+00	1.40E-01	8.19E-03	1.48E-01
5.00E+00	1.36E-01	3.02E-03	1.39E-01
6.00E+00	1.31E-01	1.11E-03	1.32E-01
7.00E+00	1.27E-01	4.06E-04	1.27E-01
8.00E+00	1.23E-01	1.48E-04	1.23E-01
9.00E+00	1.19E-01	5.41E-05	1.19E-01
1.00E+01	1.15E-01	1.98E-05	1.15E-01
2.00E+01	8.52E-02	0.00E+00	8.52E-02
3.00E+01	6.48E-02	0.00E+00	6.48E-02
4.00E+01	5.06E-02	0.00E+00	5.06E-02
5.00E+01	4.08E-02	0.00E+00	4.08E-02
6.00E+01	3.37E-02	0.00E+00	3.37E-02
7.00E+01	2.85E-02	0.00E+00	2.85E-02
8.00E+01	2.46E-02	0.00E+00	2.46E-02
9.00E+01	2.16E-02	0.00E+00	2.16E-02
1.00E+02	1.92E-02	0.00E+00	1.92E-02
2.00E+02	7.67E-03	0.00E+00	7.67E-03
3.00E+02	3.34E-03	0.00E+00	3.34E-03
4.00E+02	1.46E-03	0.00E+00	1.46E-03
5.00E+02	6.39E-04	0.00E+00	6.39E-04
6.00E+02	2.79E-04	0.00E+00	2.79E-04
7.00E+02	1.22E-04	0.00E+00	1.22E-04
8.00E+02	5.34E-05	0.00E+00	5.34E-05
9.00E+02	2.33E-05	0.00E+00	2.33E-05
1.00E+03	1.02E-05	0.00E+00	1.02E-05

INGESTION

$f_1 = 8.00E-01$

HALFLIFE= 8.74E+01 DAYS

SULPHUR 35

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	24-HOUR URINE	ACCUMULATED URINE	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		5.47E-02		6.48E-03
2.00E-01		1.66E-01		2.14E-02
3.00E-01		2.64E-01		3.72E-02
4.00E-01		3.39E-01		5.23E-02
5.00E-01		3.96E-01		6.67E-02
6.00E-01		4.40E-01		8.03E-02
7.00E-01		4.72E-01		9.33E-02
8.00E-01		4.97E-01		1.06E-01
9.00E-01		5.16E-01		1.17E-01
1.00E+00	5.30E-01	5.30E-01	1.28E-01	1.28E-01
2.00E+00	4.50E-02	5.71E-01	7.71E-02	2.04E-01
3.00E+00	5.95E-03	5.72E-01	3.44E-02	2.37E-01
4.00E+00	3.39E-03	5.71E-01	1.39E-02	2.49E-01
5.00E+00	3.11E-03	5.70E-01	5.45E-03	2.53E-01
6.00E+00	2.97E-03	5.68E-01	2.22E-03	2.53E-01
7.00E+00	2.85E-03	5.67E-01	1.01E-03	2.52E-01
8.00E+00	2.73E-03	5.65E-01	5.57E-04	2.50E-01
9.00E+00	2.61E-03	5.63E-01	3.83E-04	2.49E-01
1.00E+01	2.51E-03	5.61E-01	3.12E-04	2.47E-01
2.00E+01	1.64E-03	5.38E-01	1.82E-04	2.30E-01
3.00E+01	1.07E-03	5.09E-01	1.19E-04	2.14E-01
4.00E+01	7.04E-04	4.79E-01	7.82E-05	1.99E-01
5.00E+01	4.62E-04	4.48E-01	5.14E-05	1.84E-01
6.00E+01	3.04E-04	4.17E-01	3.38E-05	1.71E-01
7.00E+01	2.01E-04	3.88E-01	2.23E-05	1.58E-01
8.00E+01	1.33E-04	3.60E-01	1.48E-05	1.46E-01
9.00E+01	8.86E-05	3.33E-01	9.85E-06	1.35E-01
1.00E+02	5.95E-05	3.09E-01	6.61E-06	1.25E-01
2.00E+02	3.15E-06	1.41E-01	3.50E-07	5.66E-02
3.00E+02	1.05E-06	6.38E-02	1.17E-07	2.56E-02
4.00E+02	4.56E-07	2.89E-02	5.07E-08	1.16E-02
5.00E+02	1.99E-07	1.31E-02	2.21E-08	5.25E-03
6.00E+02	8.71E-08	5.94E-03	0.00E+00	2.38E-03
7.00E+02	3.81E-08	2.69E-03	0.00E+00	1.08E-03
8.00E+02	1.67E-08	1.22E-03	0.00E+00	4.88E-04

INGESTION

 $f_1 = 1.00E+00$

STABLE

CHLORINE 35

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	9.05E-01	9.07E-02	9.96E-01
2.00E-01	9.81E-01	8.23E-03	9.89E-01
3.00E-01	9.82E-01	7.48E-04	9.82E-01
4.00E-01	9.75E-01	6.86E-05	9.75E-01
5.00E-01	9.69E-01	7.02E-06	9.69E-01
6.00E-01	9.62E-01	1.38E-06	9.62E-01
7.00E-01	9.55E-01	8.30E-07	9.55E-01
8.00E-01	9.49E-01	7.35E-07	9.49E-01
9.00E-01	9.42E-01	6.83E-07	9.42E-01
1.00E+00	9.36E-01	6.35E-07	9.36E-01
2.00E+00	8.73E-01	2.76E-07	8.73E-01
3.00E+00	8.15E-01	1.08E-07	8.15E-01
4.00E+00	7.60E-01	4.09E-08	7.60E-01
5.00E+00	7.09E-01	1.52E-08	7.09E-01
6.00E+00	6.62E-01	0.00E+00	6.62E-01
7.00E+00	6.17E-01	0.00E+00	6.17E-01
8.00E+00	5.76E-01	0.00E+00	5.76E-01
9.00E+00	5.38E-01	0.00E+00	5.38E-01
1.00E+01	5.02E-01	0.00E+00	5.02E-01
2.00E+01	2.51E-01	0.00E+00	2.51E-01
3.00E+01	1.25E-01	0.00E+00	1.25E-01
4.00E+01	6.27E-02	0.00E+00	6.27E-02
5.00E+01	3.14E-02	0.00E+00	3.14E-02
6.00E+01	1.57E-02	0.00E+00	1.57E-02
7.00E+01	7.84E-03	0.00E+00	7.84E-03
8.00E+01	3.92E-03	0.00E+00	3.92E-03
9.00E+01	1.96E-03	0.00E+00	1.96E-03
1.00E+02	9.81E-04	0.00E+00	9.81E-04
2.00E+02	9.59E-07	0.00E+00	9.59E-07

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		4.29E-03		4.12E-09
2.00E-01		1.09E-02		2.10E-08
3.00E-01		1.77E-02		4.92E-08
4.00E-01		2.45E-02		8.57E-08
5.00E-01		3.13E-02		1.28E-07
6.00E-01		3.79E-02		1.73E-07
7.00E-01		4.46E-02		2.21E-07
8.00E-01		5.12E-02		2.69E-07
9.00E-01		5.77E-02		3.17E-07
1.00E+00	6.43E-02	6.43E-02	3.65E-07	3.65E-07
2.00E+00	6.27E-02	1.27E-01	3.59E-07	7.24E-07
3.00E+00	5.85E-02	1.85E-01	1.68E-07	8.92E-07
4.00E+00	5.45E-02	2.40E-01	6.74E-08	9.59E-07
5.00E+00	5.09E-02	2.91E-01	2.57E-08	9.85E-07
6.00E+00	4.75E-02	3.38E-01	0.00E+00	9.94E-07
7.00E+00	4.43E-02	3.83E-01	0.00E+00	9.98E-07
8.00E+00	4.13E-02	4.24E-01	0.00E+00	9.99E-07
9.00E+00	3.86E-02	4.62E-01	0.00E+00	1.00E-06
1.00E+01	3.60E-02	4.98E-01	0.00E+00	1.00E-06
2.00E+01	1.80E-02	7.49E-01	0.00E+00	1.00E-06
3.00E+01	9.00E-03	8.75E-01	0.00E+00	1.00E-06
4.00E+01	4.50E-03	9.37E-01	0.00E+00	1.00E-06
5.00E+01	2.25E-03	9.69E-01	0.00E+00	1.00E-06
6.00E+01	1.13E-03	9.84E-01	0.00E+00	1.00E-06
7.00E+01	5.63E-04	9.92E-01	0.00E+00	1.00E-06
8.00E+01	2.81E-04	9.96E-01	0.00E+00	1.00E-06
9.00E+01	1.41E-04	9.98E-01	0.00E+00	1.00E-06
1.00E+02	7.04E-05	9.99E-01	0.00E+00	1.00E-06
2.00E+02	6.88E-08	1.00E+00	0.00E+00	1.00E-06

INGESTION

$f_1 = 1.00E+00$

HALFLIFE= 1.10E+08 DAYS

CHLORINE 36

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	9.05E-01	9.07E-02	9.96E-01
2.00E-01	9.81E-01	8.23E-03	9.89E-01
3.00E-01	9.82E-01	7.48E-04	9.82E-01
4.00E-01	9.75E-01	6.86E-05	9.75E-01
5.00E-01	9.69E-01	7.02E-06	9.69E-01
6.00E-01	9.62E-01	1.38E-06	9.62E-01
7.00E-01	9.55E-01	8.30E-07	9.55E-01
8.00E-01	9.49E-01	7.35E-07	9.49E-01
9.00E-01	9.42E-01	6.83E-07	9.42E-01
1.00E+00	9.36E-01	6.35E-07	9.36E-01
2.00E+00	8.73E-01	2.76E-07	8.73E-01
3.00E+00	8.15E-01	1.08E-07	8.15E-01
4.00E+00	7.60E-01	4.09E-08	7.60E-01
5.00E+00	7.09E-01	1.52E-08	7.09E-01
6.00E+00	6.62E-01	0.00E+00	6.62E-01
7.00E+00	6.17E-01	0.00E+00	6.17E-01
8.00E+00	5.76E-01	0.00E+00	5.76E-01
9.00E+00	5.38E-01	0.00E+00	5.38E-01
1.00E+01	5.02E-01	0.00E+00	5.02E-01
2.00E+01	2.51E-01	0.00E+00	2.51E-01
3.00E+01	1.25E-01	0.00E+00	1.25E-01
4.00E+01	6.27E-02	0.00E+00	6.27E-02
5.00E+01	3.14E-02	0.00E+00	3.14E-02
6.00E+01	1.57E-02	0.00E+00	1.57E-02
7.00E+01	7.84E-03	0.00E+00	7.84E-03
8.00E+01	3.92E-03	0.00E+00	3.92E-03
9.00E+01	1.96E-03	0.00E+00	1.96E-03
1.00E+02	9.81E-04	0.00E+00	9.81E-04
2.00E+02	9.59E-07	0.00E+00	9.59E-07

INGESTION

 $f_1 = 1.00E+00$

HALFLIFE= 1.10E+08 DAYS

CHLORINE 36

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		4.29E-03		4.12E-09
2.00E-01		1.09E-02		2.10E-08
3.00E-01		1.77E-02		4.92E-08
4.00E-01		2.45E-02		8.57E-08
5.00E-01		3.13E-02		1.28E-07
6.00E-01		3.79E-02		1.73E-07
7.00E-01		4.46E-02		2.21E-07
8.00E-01		5.12E-02		2.69E-07
9.00E-01		5.77E-02		3.17E-07
1.00E+00	6.43E-02	6.43E-02	3.65E-07	3.65E-07
2.00E+00	6.27E-02	1.27E-01	3.59E-07	7.24E-07
3.00E+00	5.85E-02	1.85E-01	1.68E-07	8.92E-07
4.00E+00	5.45E-02	2.40E-01	6.74E-08	9.59E-07
5.00E+00	5.09E-02	2.91E-01	2.57E-08	9.85E-07
6.00E+00	4.75E-02	3.38E-01	0.00E+00	9.94E-07
7.00E+00	4.43E-02	3.83E-01	0.00E+00	9.98E-07
8.00E+00	4.13E-02	4.24E-01	0.00E+00	9.99E-07
9.00E+00	3.86E-02	4.62E-01	0.00E+00	1.00E-06
1.00E+01	3.60E-02	4.98E-01	0.00E+00	1.00E-06
2.00E+01	1.80E-02	7.49E-01	0.00E+00	1.00E-06
3.00E+01	9.00E-03	8.75E-01	0.00E+00	1.00E-06
4.00E+01	4.50E-03	9.37E-01	0.00E+00	1.00E-06
5.00E+01	2.25E-03	9.69E-01	0.00E+00	1.00E-06
6.00E+01	1.13E-03	9.84E-01	0.00E+00	1.00E-06
7.00E+01	5.63E-04	9.92E-01	0.00E+00	1.00E-06
8.00E+01	2.81E-04	9.96E-01	0.00E+00	1.00E-06
9.00E+01	1.41E-04	9.98E-01	0.00E+00	1.00E-06
1.00E+02	7.04E-05	9.99E-01	0.00E+00	1.00E-06
2.00E+02	6.88E-08	1.00E+00	0.00E+00	1.00E-06

INGESTION

B1= 1.00E+00

STABLE

POTASSIUM 39

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	9.08E-01	9.07E-02	9.99E-01
2.00E-01	9.88E-01	8.23E-03	9.96E-01
3.00E-01	9.93E-01	7.48E-04	9.94E-01
4.00E-01	9.92E-01	6.86E-05	9.92E-01
5.00E-01	9.90E-01	7.02E-06	9.90E-01
6.00E-01	9.87E-01	1.38E-06	9.87E-01
7.00E-01	9.85E-01	8.30E-07	9.85E-01
8.00E-01	9.83E-01	7.35E-07	9.83E-01
9.00E-01	9.80E-01	6.83E-07	9.80E-01
1.00E+00	9.78E-01	6.35E-07	9.78E-01
2.00E+00	9.56E-01	2.76E-07	9.56E-01
3.00E+00	9.34E-01	1.08E-07	9.34E-01
4.00E+00	9.13E-01	4.09E-08	9.13E-01
5.00E+00	8.92E-01	1.52E-08	8.92E-01
6.00E+00	8.72E-01	0.00E+00	8.72E-01
7.00E+00	8.52E-01	0.00E+00	8.52E-01
8.00E+00	8.33E-01	0.00E+00	8.33E-01
9.00E+00	8.14E-01	0.00E+00	8.14E-01
1.00E+01	7.95E-01	0.00E+00	7.95E-01
2.00E+01	6.32E-01	0.00E+00	6.32E-01
3.00E+01	5.02E-01	0.00E+00	5.02E-01
4.00E+01	3.99E-01	0.00E+00	3.99E-01
5.00E+01	3.17E-01	0.00E+00	3.17E-01
6.00E+01	2.52E-01	0.00E+00	2.52E-01
7.00E+01	2.00E-01	0.00E+00	2.00E-01
8.00E+01	1.59E-01	0.00E+00	1.59E-01
9.00E+01	1.26E-01	0.00E+00	1.26E-01
1.00E+02	1.00E-01	0.00E+00	1.00E-01
2.00E+02	1.01E-02	0.00E+00	1.01E-02
3.00E+02	1.01E-03	0.00E+00	1.01E-03
4.00E+02	1.01E-04	0.00E+00	1.01E-04
5.00E+02	1.01E-05	0.00E+00	1.01E-05
6.00E+02	1.02E-06	0.00E+00	1.02E-06
7.00E+02	1.02E-07	0.00E+00	1.02E-07
8.00E+02	1.02E-08	0.00E+00	1.02E-08

INGESTION

$f_1 = 1.00E+00$

STABLE

POTASSIUM 39

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		1.43E-03		4.12E-09
2.00E-01		3.64E-03		2.10E-08
3.00E-01		5.92E-03		4.92E-08
4.00E-01		8.21E-03		8.57E-08
5.00E-01		1.05E-02		1.28E-07
6.00E-01		1.28E-02		1.73E-07
7.00E-01		1.50E-02		2.21E-07
8.00E-01		1.73E-02		2.69E-07
9.00E-01		1.95E-02		3.17E-07
1.00E+00	2.18E-02	2.18E-02	3.65E-07	3.65E-07
2.00E+00	2.22E-02	4.40E-02	3.59E-07	7.24E-07
3.00E+00	2.17E-02	6.58E-02	1.68E-07	8.92E-07
4.00E+00	2.12E-02	8.70E-02	6.74E-08	9.59E-07
5.00E+00	2.08E-02	1.08E-01	2.57E-08	9.85E-07
6.00E+00	2.03E-02	1.28E-01	0.00E+00	9.94E-07
7.00E+00	1.98E-02	1.48E-01	0.00E+00	9.98E-07
8.00E+00	1.94E-02	1.67E-01	0.00E+00	9.99E-07
9.00E+00	1.89E-02	1.86E-01	0.00E+00	1.00E-06
1.00E+01	1.85E-02	2.05E-01	0.00E+00	1.00E-06
2.00E+01	1.47E-02	3.68E-01	0.00E+00	1.00E-06
3.00E+01	1.17E-02	4.98E-01	0.00E+00	1.00E-06
4.00E+01	9.28E-03	6.01E-01	0.00E+00	1.00E-06
5.00E+01	7.37E-03	6.83E-01	0.00E+00	1.00E-06
6.00E+01	5.86E-03	7.48E-01	0.00E+00	1.00E-06
7.00E+01	4.66E-03	8.00E-01	0.00E+00	1.00E-06
8.00E+01	3.70E-03	8.41E-01	0.00E+00	1.00E-06
9.00E+01	2.94E-03	8.74E-01	0.00E+00	1.00E-06
1.00E+02	2.33E-03	9.00E-01	0.00E+00	1.00E-06
2.00E+02	2.34E-04	9.90E-01	0.00E+00	1.00E-06
3.00E+02	2.35E-05	9.99E-01	0.00E+00	1.00E-06
4.00E+02	2.35E-06	1.00E+00	0.00E+00	1.00E-06
5.00E+02	2.36E-07	1.00E+00	0.00E+00	1.00E-06
6.00E+02	2.37E-08	1.00E+00	0.00E+00	1.00E-06

INGESTION

$f_1 = 1.00E+00$

HALFLIFE= 4.67E+11 DAYS

POTASSIUM 40

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	9.08E-01	9.07E-02	9.99E-01
2.00E-01	9.88E-01	8.23E-03	9.96E-01
3.00E-01	9.93E-01	7.48E-04	9.94E-01
4.00E-01	9.92E-01	6.86E-05	9.92E-01
5.00E-01	9.90E-01	7.02E-06	9.90E-01
6.00E-01	9.87E-01	1.38E-06	9.87E-01
7.00E-01	9.85E-01	8.30E-07	9.85E-01
8.00E-01	9.83E-01	7.35E-07	9.83E-01
9.00E-01	9.80E-01	6.83E-07	9.80E-01
1.00E+00	9.78E-01	6.35E-07	9.78E-01
2.00E+00	9.56E-01	2.76E-07	9.56E-01
3.00E+00	9.34E-01	1.08E-07	9.34E-01
4.00E+00	9.13E-01	4.09E-08	9.13E-01
5.00E+00	8.92E-01	1.52E-08	8.92E-01
6.00E+00	8.72E-01	0.00E+00	8.72E-01
7.00E+00	8.52E-01	0.00E+00	8.52E-01
8.00E+00	8.33E-01	0.00E+00	8.33E-01
9.00E+00	8.14E-01	0.00E+00	8.14E-01
1.00E+01	7.95E-01	0.00E+00	7.95E-01
2.00E+01	6.32E-01	0.00E+00	6.32E-01
3.00E+01	5.02E-01	0.00E+00	5.02E-01
4.00E+01	3.99E-01	0.00E+00	3.99E-01
5.00E+01	3.17E-01	0.00E+00	3.17E-01
6.00E+01	2.52E-01	0.00E+00	2.52E-01
7.00E+01	2.00E-01	0.00E+00	2.00E-01
8.00E+01	1.59E-01	0.00E+00	1.59E-01
9.00E+01	1.26E-01	0.00E+00	1.26E-01
1.00E+02	1.00E-01	0.00E+00	1.00E-01
2.00E+02	1.01E-02	0.00E+00	1.01E-02
3.00E+02	1.01E-03	0.00E+00	1.01E-03
4.00E+02	1.01E-04	0.00E+00	1.01E-04
5.00E+02	1.01E-05	0.00E+00	1.01E-05
6.00E+02	1.02E-06	0.00E+00	1.02E-06
7.00E+02	1.02E-07	0.00E+00	1.02E-07
8.00E+02	1.02E-08	0.00E+00	1.02E-08

INGESTION · $f_1 = 1.00E+00$ HALFLIFE= 4.67E+11 DAYS POTASSIUM 40

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		1.43E-03		4.12E-09
2.00E-01		3.64E-03		2.10E-08
3.00E-01		5.92E-03		4.92E-08
4.00E-01		8.21E-03		8.57E-08
5.00E-01		1.05E-02		1.28E-07
6.00E-01		1.28E-02		1.73E-07
7.00E-01		1.50E-02		2.21E-07
8.00E-01		1.73E-02		2.69E-07
9.00E-01		1.95E-02		3.17E-07
1.00E+00	2.18E-02	2.18E-02	3.65E-07	3.65E-07
2.00E+00	2.22E-02	4.40E-02	3.59E-07	7.24E-07
3.00E+00	2.17E-02	6.58E-02	1.68E-07	8.92E-07
4.00E+00	2.12E-02	8.70E-02	6.74E-08	9.59E-07
5.00E+00	2.08E-02	1.08E-01	2.57E-08	9.85E-07
6.00E+00	2.03E-02	1.28E-01	0.00E+00	9.94E-07
7.00E+00	1.98E-02	1.48E-01	0.00E+00	9.98E-07
8.00E+00	1.94E-02	1.67E-01	0.00E+00	9.99E-07
9.00E+00	1.89E-02	1.86E-01	0.00E+00	1.00E-06
1.00E+01	1.85E-02	2.05E-01	0.00E+00	1.00E-06
2.00E+01	1.47E-02	3.68E-01	0.00E+00	1.00E-06
3.00E+01	1.17E-02	4.98E-01	0.00E+00	1.00E-06
4.00E+01	9.28E-03	6.01E-01	0.00E+00	1.00E-06
5.00E+01	7.37E-03	6.83E-01	0.00E+00	1.00E-06
6.00E+01	5.86E-03	7.48E-01	0.00E+00	1.00E-06
7.00E+01	4.66E-03	8.00E-01	0.00E+00	1.00E-06
8.00E+01	3.70E-03	8.41E-01	0.00E+00	1.00E-06
9.00E+01	2.94E-03	8.74E-01	0.00E+00	1.00E-06
1.00E+02	2.33E-03	9.00E-01	0.00E+00	1.00E-06
2.00E+02	2.34E-04	9.90E-01	0.00E+00	1.00E-06
3.00E+02	2.35E-05	9.99E-01	0.00E+00	1.00E-06
4.00E+02	2.35E-06	1.00E+00	0.00E+00	1.00E-06
5.00E+02	2.36E-07	1.00E+00	0.00E+00	1.00E-06
6.00E+02	2.37E-08	1.00E+00	0.00E+00	1.00E-06

INGESTION

 $f_1 = 3.00E-01$

STABLE

CALCIUM 40

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	1.14E-01	8.82E-01	9.97E-01
2.00E-01	2.10E-01	7.77E-01	9.87E-01
3.00E-01	2.54E-01	7.19E-01	9.72E-01
4.00E-01	2.72E-01	6.80E-01	9.52E-01
5.00E-01	2.79E-01	6.47E-01	9.26E-01
6.00E-01	2.81E-01	6.16E-01	8.97E-01
7.00E-01	2.82E-01	5.83E-01	8.65E-01
8.00E-01	2.81E-01	5.50E-01	8.31E-01
9.00E-01	2.80E-01	5.17E-01	7.97E-01
1.00E+00	2.79E-01	4.84E-01	7.63E-01
2.00E+00	2.69E-01	2.16E-01	4.84E-01
3.00E+00	2.59E-01	8.53E-02	3.44E-01
4.00E+00	2.50E-01	3.23E-02	2.83E-01
5.00E+00	2.42E-01	1.20E-02	2.54E-01
6.00E+00	2.35E-01	4.45E-03	2.39E-01
7.00E+00	2.28E-01	1.64E-03	2.30E-01
8.00E+00	2.22E-01	6.05E-04	2.23E-01
9.00E+00	2.16E-01	2.23E-04	2.17E-01
1.00E+01	2.11E-01	8.19E-05	2.11E-01
2.00E+01	1.77E-01	0.00E+00	1.77E-01
3.00E+01	1.62E-01	0.00E+00	1.62E-01
4.00E+01	1.54E-01	0.00E+00	1.54E-01
5.00E+01	1.50E-01	0.00E+00	1.50E-01
6.00E+01	1.47E-01	0.00E+00	1.47E-01
7.00E+01	1.45E-01	0.00E+00	1.45E-01
8.00E+01	1.43E-01	0.00E+00	1.43E-01
9.00E+01	1.42E-01	0.00E+00	1.42E-01
1.00E+02	1.40E-01	0.00E+00	1.40E-01
2.00E+02	1.28E-01	0.00E+00	1.28E-01
3.00E+02	1.21E-01	0.00E+00	1.21E-01
4.00E+02	1.15E-01	0.00E+00	1.15E-01
5.00E+02	1.11E-01	0.00E+00	1.11E-01
6.00E+02	1.07E-01	0.00E+00	1.07E-01
7.00E+02	1.04E-01	0.00E+00	1.04E-01
8.00E+02	1.01E-01	0.00E+00	1.01E-01
9.00E+02	9.90E-02	0.00E+00	9.90E-02
1.00E+03	9.67E-02	0.00E+00	9.67E-02
2.00E+03	8.07E-02	0.00E+00	8.07E-02
3.00E+03	6.99E-02	0.00E+00	6.99E-02
4.00E+03	6.16E-02	0.00E+00	6.16E-02
5.00E+03	5.49E-02	0.00E+00	5.49E-02
7.00E+03	4.46E-02	0.00E+00	4.46E-02
8.00E+03	4.06E-02	0.00E+00	4.06E-02
9.00E+03	3.70E-02	0.00E+00	3.70E-02
1.00E+04	3.39E-02	0.00E+00	3.39E-02
2.00E+04	1.50E-02	0.00E+00	1.50E-02

INGESTION

 $f_1 = 3.00E-01$

STABLE

CALCIUM 40

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	24-HOUR URINE	ACCUMULATED URINE	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		1.31E-03		1.89E-03
2.00E-01		3.69E-03		9.05E-03
3.00E-01		5.37E-03		2.23E-02
4.00E-01		6.48E-03		4.16E-02
5.00E-01		7.30E-03		6.63E-02
6.00E-01		7.99E-03		9.49E-02
7.00E-01		8.62E-03		1.26E-01
8.00E-01		9.21E-03		1.59E-01
9.00E-01		9.79E-03		1.93E-01
1.00E+00	1.04E-02	1.04E-02	2.27E-01	2.27E-01
2.00E+00	5.30E-03	1.57E-02	2.73E-01	5.00E-01
3.00E+00	4.79E-03	2.05E-02	1.35E-01	6.35E-01
4.00E+00	4.37E-03	2.48E-02	5.74E-02	6.92E-01
5.00E+00	4.01E-03	2.88E-02	2.43E-02	7.17E-01
6.00E+00	3.68E-03	3.25E-02	1.13E-02	7.28E-01
7.00E+00	3.38E-03	3.59E-02	6.19E-03	7.34E-01
8.00E+00	3.10E-03	3.90E-02	4.14E-03	7.38E-01
9.00E+00	2.85E-03	4.18E-02	3.23E-03	7.42E-01
1.00E+01	2.62E-03	4.45E-02	2.76E-03	7.44E-01
2.00E+01	1.15E-03	6.15E-02	1.15E-03	7.61E-01
3.00E+01	5.35E-04	6.92E-02	5.35E-04	7.69E-01
4.00E+01	2.78E-04	7.29E-02	2.78E-04	7.73E-01
5.00E+01	1.68E-04	7.50E-02	1.68E-04	7.75E-01
6.00E+01	1.20E-04	7.64E-02	1.20E-04	7.76E-01
7.00E+01	9.76E-05	7.75E-02	9.76E-05	7.77E-01
8.00E+01	8.60E-05	7.84E-02	8.60E-05	7.78E-01
9.00E+01	7.90E-05	7.92E-02	7.90E-05	7.79E-01
1.00E+02	7.40E-05	8.00E-02	7.40E-05	7.80E-01
2.00E+02	4.67E-05	8.58E-02	4.67E-05	7.86E-01
3.00E+02	3.24E-05	8.97E-02	3.24E-05	7.90E-01
4.00E+02	2.43E-05	9.25E-02	2.43E-05	7.92E-01
5.00E+02	1.94E-05	9.46E-02	1.94E-05	7.95E-01
6.00E+02	1.64E-05	9.64E-02	1.64E-05	7.96E-01
7.00E+02	1.43E-05	9.80E-02	1.43E-05	7.98E-01
8.00E+02	1.28E-05	9.93E-02	1.28E-05	7.99E-01
9.00E+02	1.16E-05	1.01E-01	1.16E-05	8.01E-01
1.00E+03	1.07E-05	1.02E-01	1.07E-05	8.02E-01
2.00E+03	6.29E-06	1.10E-01	6.29E-06	8.10E-01
3.00E+03	4.67E-06	1.15E-01	4.67E-06	8.15E-01
4.00E+03	3.72E-06	1.19E-01	3.72E-06	8.19E-01
5.00E+03	3.05E-06	1.23E-01	3.05E-06	8.23E-01
7.00E+03	2.18E-06	1.28E-01	2.18E-06	8.28E-01
8.00E+03	1.89E-06	1.30E-01	1.89E-06	8.30E-01
9.00E+03	1.66E-06	1.31E-01	1.66E-06	8.31E-01
1.00E+04	1.47E-06	1.33E-01	1.47E-06	8.33E-01
2.00E+04	5.94E-07	1.42E-01	5.94E-07	8.42E-01

INGESTION

$f_1 = 3.00E-01$

HALFLIFE= 1.63E+02 DAYS

CALCIUM 45

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	1.14E-01	8.82E-01	9.96E-01
2.00E-01	2.10E-01	7.77E-01	9.86E-01
3.00E-01	2.53E-01	7.18E-01	9.71E-01
4.00E-01	2.71E-01	6.79E-01	9.50E-01
5.00E-01	2.78E-01	6.46E-01	9.24E-01
6.00E-01	2.81E-01	6.14E-01	8.95E-01
7.00E-01	2.81E-01	5.82E-01	8.63E-01
8.00E-01	2.80E-01	5.49E-01	8.29E-01
9.00E-01	2.79E-01	5.15E-01	7.94E-01
1.00E+00	2.78E-01	4.81E-01	7.59E-01
2.00E+00	2.66E-01	2.14E-01	4.80E-01
3.00E+00	2.56E-01	8.43E-02	3.40E-01
4.00E+00	2.46E-01	3.18E-02	2.78E-01
5.00E+00	2.37E-01	1.18E-02	2.49E-01
6.00E+00	2.29E-01	4.34E-03	2.33E-01
7.00E+00	2.22E-01	1.59E-03	2.23E-01
8.00E+00	2.15E-01	5.85E-04	2.15E-01
9.00E+00	2.08E-01	2.14E-04	2.08E-01
1.00E+01	2.02E-01	7.85E-05	2.02E-01
2.00E+01	1.63E-01	0.00E+00	1.63E-01
3.00E+01	1.42E-01	0.00E+00	1.42E-01
4.00E+01	1.30E-01	0.00E+00	1.30E-01
5.00E+01	1.21E-01	0.00E+00	1.21E-01
6.00E+01	1.14E-01	0.00E+00	1.14E-01
7.00E+01	1.08E-01	0.00E+00	1.08E-01
8.00E+01	1.02E-01	0.00E+00	1.02E-01
9.00E+01	9.66E-02	0.00E+00	9.66E-02
1.00E+02	9.16E-02	0.00E+00	9.16E-02
2.00E+02	5.48E-02	0.00E+00	5.48E-02
3.00E+02	3.37E-02	0.00E+00	3.37E-02
4.00E+02	2.10E-02	0.00E+00	2.10E-02
5.00E+02	1.32E-02	0.00E+00	1.32E-02
6.00E+02	8.35E-03	0.00E+00	8.35E-03
7.00E+02	5.30E-03	0.00E+00	5.30E-03
8.00E+02	3.38E-03	0.00E+00	3.38E-03
9.00E+02	2.15E-03	0.00E+00	2.15E-03
1.00E+03	1.38E-03	0.00E+00	1.38E-03
2.00E+03	1.63E-05	0.00E+00	1.63E-05
3.00E+03	2.02E-07	0.00E+00	2.02E-07

INGESTION

$f_1 = 3.00E-01$

HALFLIFE= 1.63E+02 DAYS

CALCIUM 45

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	24-HOUR URINE	ACCUMULATED URINE	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		1.31E-03		1.89E-03
2.00E-01		3.68E-03		9.04E-03
3.00E-01		5.36E-03		2.22E-02
4.00E-01		6.47E-03		4.16E-02
5.00E-01		7.28E-03		6.61E-02
6.00E-01		7.97E-03		9.47E-02
7.00E-01		8.59E-03		1.26E-01
8.00E-01		9.18E-03		1.59E-01
9.00E-01		9.75E-03		1.92E-01
1.00E+00	1.03E-02	1.03E-02	2.26E-01	2.26E-01
2.00E+00	5.26E-03	1.55E-02	2.71E-01	4.96E-01
3.00E+00	4.73E-03	2.02E-02	1.33E-01	6.27E-01
4.00E+00	4.30E-03	2.44E-02	5.64E-02	6.81E-01
5.00E+00	3.92E-03	2.82E-02	2.38E-02	7.02E-01
6.00E+00	3.58E-03	3.17E-02	1.10E-02	7.10E-01
7.00E+00	3.28E-03	3.48E-02	6.01E-03	7.13E-01
8.00E+00	3.00E-03	3.77E-02	4.00E-03	7.14E-01
9.00E+00	2.74E-03	4.03E-02	3.11E-03	7.14E-01
1.00E+01	2.51E-03	4.26E-02	2.64E-03	7.13E-01
2.00E+01	1.05E-03	5.65E-02	1.05E-03	6.99E-01
3.00E+01	4.71E-04	6.09E-02	4.71E-04	6.77E-01
4.00E+01	2.34E-04	6.15E-02	2.34E-04	6.52E-01
5.00E+01	1.36E-04	6.07E-02	1.36E-04	6.27E-01
6.00E+01	9.30E-05	5.92E-02	9.30E-05	6.02E-01
7.00E+01	7.25E-05	5.75E-02	7.25E-05	5.77E-01
8.00E+01	6.12E-05	5.58E-02	6.12E-05	5.54E-01
9.00E+01	5.39E-05	5.40E-02	5.39E-05	5.31E-01
1.00E+02	4.84E-05	5.23E-02	4.84E-05	5.10E-01
2.00E+02	2.00E-05	3.67E-02	2.00E-05	3.36E-01
3.00E+02	9.05E-06	2.50E-02	9.05E-06	2.21E-01
4.00E+02	4.43E-06	1.69E-02	4.43E-06	1.45E-01
5.00E+02	2.32E-06	1.13E-02	2.32E-06	9.48E-02
6.00E+02	1.28E-06	7.52E-03	1.28E-06	6.21E-02
7.00E+02	7.28E-07	4.99E-03	7.28E-07	4.07E-02
8.00E+02	4.25E-07	3.31E-03	4.25E-07	2.66E-02
9.00E+02	2.52E-07	2.19E-03	2.52E-07	1.74E-02
1.00E+03	1.52E-07	1.45E-03	1.52E-07	1.14E-02

INGESTION

$f_1 = 3.00E-01$

HALFLIFE= 4.53E+00 DAYS

CALCIUM 47

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	1.13E-01	8.69E-01	9.82E-01
2.00E-01	2.04E-01	7.54E-01	9.58E-01
3.00E-01	2.42E-01	6.86E-01	9.29E-01
4.00E-01	2.56E-01	6.40E-01	8.95E-01
5.00E-01	2.58E-01	6.00E-01	8.58E-01
6.00E-01	2.57E-01	5.62E-01	8.18E-01
7.00E-01	2.53E-01	5.24E-01	7.77E-01
8.00E-01	2.49E-01	4.87E-01	7.36E-01
9.00E-01	2.44E-01	4.50E-01	6.95E-01
1.00E+00	2.40E-01	4.15E-01	6.54E-01
2.00E+00	1.98E-01	1.59E-01	3.57E-01
3.00E+00	1.64E-01	5.39E-02	2.18E-01
4.00E+00	1.36E-01	1.75E-02	1.53E-01
5.00E+00	1.13E-01	5.60E-03	1.18E-01
6.00E+00	9.38E-02	1.78E-03	9.56E-02
7.00E+00	7.82E-02	5.63E-04	7.88E-02
8.00E+00	6.53E-02	1.78E-04	6.55E-02
9.00E+00	5.46E-02	5.62E-05	5.46E-02
1.00E+01	4.57E-02	1.77E-05	4.57E-02
2.00E+01	8.30E-03	0.00E+00	8.30E-03
3.00E+01	1.64E-03	0.00E+00	1.64E-03
4.00E+01	3.39E-04	0.00E+00	3.39E-04
5.00E+01	7.13E-05	0.00E+00	7.13E-05
6.00E+01	1.52E-05	0.00E+00	1.52E-05
7.00E+01	3.23E-06	0.00E+00	3.23E-06
8.00E+01	6.92E-07	0.00E+00	6.92E-07
9.00E+01	1.48E-07	0.00E+00	1.48E-07
1.00E+02	3.17E-08	0.00E+00	3.17E-08

INGESTION

$f_1 = 3.00E-01$

HALFLIFE= 4.53E+00 DAYS

CALCIUM 47

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	24-HOUR URINE	ACCUMULATED URINE	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		1.29E-03		1.87E-03
2.00E-01		3.57E-03		8.78E-03
3.00E-01		5.13E-03		2.13E-02
4.00E-01		6.09E-03		3.92E-02
5.00E-01		6.76E-03		6.14E-02
6.00E-01		7.29E-03		8.66E-02
7.00E-01		7.74E-03		1.13E-01
8.00E-01		8.15E-03		1.41E-01
9.00E-01		8.53E-03		1.68E-01
1.00E+00	8.89E-03	8.89E-03	1.95E-01	1.95E-01
2.00E+00	3.90E-03	1.15E-02	2.01E-01	3.68E-01
3.00E+00	3.03E-03	1.29E-02	8.54E-02	4.01E-01
4.00E+00	2.37E-03	1.35E-02	3.11E-02	3.75E-01
5.00E+00	1.86E-03	1.34E-02	1.13E-02	3.34E-01
6.00E+00	1.47E-03	1.30E-02	4.50E-03	2.91E-01
7.00E+00	1.16E-03	1.23E-02	2.12E-03	2.52E-01
8.00E+00	9.12E-04	1.15E-02	1.22E-03	2.17E-01
9.00E+00	7.19E-04	1.06E-02	8.15E-04	1.87E-01
1.00E+01	5.67E-04	9.62E-03	5.97E-04	1.61E-01
2.00E+01	5.38E-05	2.88E-03	5.38E-05	3.57E-02
3.00E+01	5.43E-06	7.02E-04	5.43E-06	7.81E-03
4.00E+01	6.10E-07	1.60E-04	6.10E-07	1.70E-03
5.00E+01	8.00E-08	3.57E-05	8.00E-08	3.69E-04
6.00E+01	1.24E-08	7.87E-06	1.24E-08	8.00E-05

INGESTION

$f_1 = 1.00E-02$

STABLE

TITANIUM 48

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	3.01E-03	9.96E-01	9.99E-01
2.00E-01	6.05E-03	9.88E-01	9.94E-01
3.00E-01	7.83E-03	9.73E-01	9.81E-01
4.00E-01	8.81E-03	9.50E-01	9.59E-01
5.00E-01	9.35E-03	9.19E-01	9.29E-01
6.00E-01	9.64E-03	8.83E-01	8.92E-01
7.00E-01	9.80E-03	8.42E-01	8.51E-01
8.00E-01	9.89E-03	7.98E-01	8.08E-01
9.00E-01	9.93E-03	7.52E-01	7.62E-01
1.00E+00	9.96E-03	7.06E-01	7.16E-01
2.00E+00	9.98E-03	3.20E-01	3.30E-01
3.00E+00	9.97E-03	1.27E-01	1.37E-01
4.00E+00	9.96E-03	4.83E-02	5.83E-02
5.00E+00	9.94E-03	1.80E-02	2.80E-02
6.00E+00	9.93E-03	6.66E-03	1.66E-02
7.00E+00	9.92E-03	2.46E-03	1.24E-02
8.00E+00	9.91E-03	9.05E-04	1.08E-02
9.00E+00	9.90E-03	3.33E-04	1.02E-02
1.00E+01	9.89E-03	1.23E-04	1.00E-02
2.00E+01	9.77E-03	0.00E+00	9.77E-03
3.00E+01	9.66E-03	0.00E+00	9.66E-03
4.00E+01	9.55E-03	0.00E+00	9.55E-03
5.00E+01	9.44E-03	0.00E+00	9.44E-03
6.00E+01	9.33E-03	0.00E+00	9.33E-03
7.00E+01	9.23E-03	0.00E+00	9.23E-03
8.00E+01	9.12E-03	0.00E+00	9.12E-03
9.00E+01	9.01E-03	0.00E+00	9.01E-03
1.00E+02	8.91E-03	0.00E+00	8.91E-03
2.00E+02	7.94E-03	0.00E+00	7.94E-03
3.00E+02	7.07E-03	0.00E+00	7.07E-03
4.00E+02	6.30E-03	0.00E+00	6.30E-03
5.00E+02	5.61E-03	0.00E+00	5.61E-03
6.00E+02	5.00E-03	0.00E+00	5.00E-03
7.00E+02	4.46E-03	0.00E+00	4.46E-03
8.00E+02	3.97E-03	0.00E+00	3.97E-03
9.00E+02	3.54E-03	0.00E+00	3.54E-03
1.00E+03	3.15E-03	0.00E+00	3.15E-03
2.00E+03	9.93E-04	0.00E+00	9.93E-04
3.00E+03	3.13E-04	0.00E+00	3.13E-04
4.00E+03	9.86E-05	0.00E+00	9.86E-05
5.00E+03	3.10E-05	0.00E+00	3.10E-05
6.00E+03	9.78E-06	0.00E+00	9.78E-06
7.00E+03	3.08E-06	0.00E+00	3.08E-06
8.00E+03	9.71E-07	0.00E+00	9.71E-07
9.00E+03	3.06E-07	0.00E+00	3.06E-07
1.00E+04	9.64E-08	0.00E+00	9.64E-08

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		1.44E-07		6.09E-04
2.00E-01		6.80E-07		5.89E-03
3.00E-01		1.49E-06		1.93E-02
4.00E-01		2.46E-06		4.14E-02
5.00E-01		3.51E-06		7.14E-02
6.00E-01		4.61E-06		1.08E-01
7.00E-01		5.73E-06		1.49E-01
8.00E-01		6.87E-06		1.92E-01
9.00E-01		8.02E-06		2.38E-01
1.00E+00	9.16E-06	9.16E-06	2.84E-01	2.84E-01
2.00E+00	1.15E-05	2.07E-05	3.86E-01	6.70E-01
3.00E+00	1.15E-05	3.22E-05	1.93E-01	8.63E-01
4.00E+00	1.15E-05	4.37E-05	7.89E-02	9.42E-01
5.00E+00	1.15E-05	5.52E-05	3.03E-02	9.72E-01
6.00E+00	1.15E-05	6.67E-05	1.13E-02	9.83E-01
7.00E+00	1.15E-05	7.82E-05	4.21E-03	9.88E-01
8.00E+00	1.15E-05	8.96E-05	1.55E-03	9.89E-01
9.00E+00	1.14E-05	1.01E-04	5.72E-04	9.90E-01
1.00E+01	1.14E-05	1.12E-04	2.10E-04	9.90E-01
2.00E+01	1.13E-05	2.26E-04	0.00E+00	9.90E-01
3.00E+01	1.12E-05	3.38E-04	0.00E+00	9.90E-01
4.00E+01	1.10E-05	4.49E-04	0.00E+00	9.90E-01
5.00E+01	1.09E-05	5.59E-04	0.00E+00	9.90E-01
6.00E+01	1.08E-05	6.67E-04	0.00E+00	9.90E-01
7.00E+01	1.07E-05	7.74E-04	0.00E+00	9.90E-01
8.00E+01	1.05E-05	8.80E-04	0.00E+00	9.90E-01
9.00E+01	1.04E-05	9.85E-04	0.00E+00	9.90E-01
1.00E+02	1.03E-05	1.09E-03	0.00E+00	9.90E-01
2.00E+02	9.18E-06	2.06E-03	0.00E+00	9.90E-01
3.00E+02	8.17E-06	2.93E-03	0.00E+00	9.90E-01
4.00E+02	7.28E-06	3.70E-03	0.00E+00	9.90E-01
5.00E+02	6.49E-06	4.39E-03	0.00E+00	9.90E-01
6.00E+02	5.78E-06	5.00E-03	0.00E+00	9.90E-01
7.00E+02	5.15E-06	5.54E-03	0.00E+00	9.90E-01
8.00E+02	4.59E-06	6.03E-03	0.00E+00	9.90E-01
9.00E+02	4.09E-06	6.46E-03	0.00E+00	9.90E-01
1.00E+03	3.64E-06	6.85E-03	0.00E+00	9.90E-01
2.00E+03	1.15E-06	9.01E-03	0.00E+00	9.90E-01
3.00E+03	3.61E-07	9.69E-03	0.00E+00	9.90E-01
4.00E+03	1.14E-07	9.90E-03	0.00E+00	9.90E-01
5.00E+03	3.59E-08	9.97E-03	0.00E+00	9.90E-01
6.00E+03	1.13E-08	9.99E-03	0.00E+00	9.90E-01

INGESTION

 $f_1 = 1.00E-02$

HALFLIFE= 3.30E+02 DAYS

VANADIUM 49

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	2.78E-03	9.96E-01	9.99E-01
2.00E-01	5.08E-03	9.88E-01	9.93E-01
3.00E-01	5.90E-03	9.72E-01	9.78E-01
4.00E-01	5.93E-03	9.49E-01	9.55E-01
5.00E-01	5.62E-03	9.18E-01	9.24E-01
6.00E-01	5.20E-03	8.82E-01	8.87E-01
7.00E-01	4.78E-03	8.40E-01	8.45E-01
8.00E-01	4.42E-03	7.96E-01	8.01E-01
9.00E-01	4.11E-03	7.51E-01	7.55E-01
1.00E+00	3.86E-03	7.04E-01	7.08E-01
2.00E+00	3.04E-03	3.19E-01	3.22E-01
3.00E+00	2.98E-03	1.26E-01	1.29E-01
4.00E+00	2.97E-03	4.79E-02	5.09E-02
5.00E+00	2.97E-03	1.78E-02	2.08E-02
6.00E+00	2.96E-03	6.58E-03	9.54E-03
7.00E+00	2.95E-03	2.42E-03	5.38E-03
8.00E+00	2.95E-03	8.90E-04	3.84E-03
9.00E+00	2.94E-03	3.27E-04	3.27E-03
1.00E+01	2.94E-03	1.20E-04	3.06E-03
2.00E+01	2.87E-03	0.00E+00	2.87E-03
3.00E+01	2.81E-03	0.00E+00	2.81E-03
4.00E+01	2.75E-03	0.00E+00	2.75E-03
5.00E+01	2.69E-03	0.00E+00	2.69E-03
6.00E+01	2.63E-03	0.00E+00	2.63E-03
7.00E+01	2.58E-03	0.00E+00	2.58E-03
8.00E+01	2.52E-03	0.00E+00	2.52E-03
9.00E+01	2.47E-03	0.00E+00	2.47E-03
1.00E+02	2.41E-03	0.00E+00	2.41E-03
2.00E+02	1.94E-03	0.00E+00	1.94E-03
3.00E+02	1.56E-03	0.00E+00	1.56E-03
4.00E+02	1.26E-03	0.00E+00	1.26E-03
5.00E+02	1.01E-03	0.00E+00	1.01E-03
6.00E+02	8.16E-04	0.00E+00	8.16E-04
7.00E+02	6.57E-04	0.00E+00	6.57E-04
8.00E+02	5.29E-04	0.00E+00	5.29E-04
9.00E+02	4.26E-04	0.00E+00	4.26E-04
1.00E+03	3.43E-04	0.00E+00	3.43E-04
2.00E+03	3.91E-05	0.00E+00	3.91E-05
3.00E+03	4.47E-06	0.00E+00	4.47E-06
4.00E+03	5.10E-07	0.00E+00	5.10E-07
5.00E+03	5.83E-08	0.00E+00	5.83E-08

INGESTION

$f_1 = 1.00E-02$

HALFLIFE= 3.30E+02 DAYS

VANADIUM 49

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		2.24E-04		6.09E-04
2.00E-01		9.68E-04		5.89E-03
3.00E-01		1.93E-03		1.93E-02
4.00E-01		2.88E-03		4.14E-02
5.00E-01		3.73E-03		7.13E-02
6.00E-01		4.44E-03		1.08E-01
7.00E-01		5.01E-03		1.48E-01
8.00E-01		5.46E-03		1.92E-01
9.00E-01		5.82E-03		2.38E-01
1.00E+00	6.09E-03	6.09E-03	2.84E-01	2.84E-01
2.00E+00	8.34E-04	6.91E-03	3.84E-01	6.67E-01
3.00E+00	5.35E-05	6.95E-03	1.91E-01	8.57E-01
4.00E+00	3.54E-06	6.94E-03	7.83E-02	9.34E-01
5.00E+00	4.14E-07	6.93E-03	3.00E-02	9.62E-01
6.00E+00	2.18E-07	6.91E-03	1.12E-02	9.71E-01
7.00E+00	2.06E-07	6.90E-03	4.14E-03	9.73E-01
8.00E+00	2.04E-07	6.88E-03	1.53E-03	9.73E-01
9.00E+00	2.04E-07	6.87E-03	5.61E-04	9.71E-01
1.00E+01	2.03E-07	6.86E-03	2.06E-04	9.69E-01
2.00E+01	1.99E-07	6.72E-03	0.00E+00	9.49E-01
3.00E+01	1.95E-07	6.58E-03	0.00E+00	9.30E-01
4.00E+01	1.91E-07	6.44E-03	0.00E+00	9.10E-01
5.00E+01	1.87E-07	6.31E-03	0.00E+00	8.91E-01
6.00E+01	1.83E-07	6.18E-03	0.00E+00	8.73E-01
7.00E+01	1.79E-07	6.06E-03	0.00E+00	8.55E-01
8.00E+01	1.75E-07	5.93E-03	0.00E+00	8.37E-01
9.00E+01	1.71E-07	5.81E-03	0.00E+00	8.19E-01
1.00E+02	1.67E-07	5.69E-03	0.00E+00	8.02E-01
2.00E+02	1.35E-07	4.63E-03	0.00E+00	6.50E-01
3.00E+02	1.08E-07	3.76E-03	0.00E+00	5.27E-01
4.00E+02	8.73E-08	3.06E-03	0.00E+00	4.27E-01
5.00E+02	7.03E-08	2.48E-03	0.00E+00	3.46E-01
6.00E+02	5.66E-08	2.02E-03	0.00E+00	2.81E-01
7.00E+02	4.55E-08	1.64E-03	0.00E+00	2.28E-01
8.00E+02	3.66E-08	1.33E-03	0.00E+00	1.84E-01
9.00E+02	2.95E-08	1.08E-03	0.00E+00	1.50E-01
1.00E+03	2.37E-08	8.81E-04	0.00E+00	1.21E-01

INGESTION

 $f_1 = 1.00E-01$

HALFLIFE= 2.77E+01 DAYS

CHROMIUM 51

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	3.17E-02	9.65E-01	9.96E-01
2.00E-01	6.08E-02	9.26E-01	9.87E-01
3.00E-01	7.51E-02	8.93E-01	9.68E-01
4.00E-01	8.08E-02	8.61E-01	9.42E-01
5.00E-01	8.22E-02	8.27E-01	9.09E-01
6.00E-01	8.16E-02	7.89E-01	8.70E-01
7.00E-01	8.00E-02	7.48E-01	8.28E-01
8.00E-01	7.81E-02	7.06E-01	7.84E-01
9.00E-01	7.61E-02	6.63E-01	7.39E-01
1.00E+00	7.42E-02	6.20E-01	6.94E-01
2.00E+00	6.14E-02	2.73E-01	3.34E-01
3.00E+00	5.46E-02	1.06E-01	1.60E-01
4.00E+00	4.98E-02	3.91E-02	8.89E-02
5.00E+00	4.58E-02	1.42E-02	6.00E-02
6.00E+00	4.23E-02	5.12E-03	4.74E-02
7.00E+00	3.92E-02	1.84E-03	4.10E-02
8.00E+00	3.64E-02	6.61E-04	3.71E-02
9.00E+00	3.40E-02	2.37E-04	3.42E-02
1.00E+01	3.17E-02	8.52E-05	3.18E-02
2.00E+01	1.82E-02	0.00E+00	1.82E-02
3.00E+01	1.20E-02	0.00E+00	1.20E-02
4.00E+01	8.44E-03	0.00E+00	8.44E-03
5.00E+01	6.07E-03	0.00E+00	6.07E-03
6.00E+01	4.40E-03	0.00E+00	4.40E-03
7.00E+01	3.20E-03	0.00E+00	3.20E-03
8.00E+01	2.33E-03	0.00E+00	2.33E-03
9.00E+01	1.70E-03	0.00E+00	1.70E-03
1.00E+02	1.25E-03	0.00E+00	1.25E-03
2.00E+02	5.90E-05	0.00E+00	5.90E-05
3.00E+02	3.26E-06	0.00E+00	3.26E-06
4.00E+02	2.06E-07	0.00E+00	2.06E-07
5.00E+02	1.43E-08	0.00E+00	1.43E-08

INGESTION

$f_1 = 1.00E-01$

HALFLIFE= 2.77E+01 DAYS

CHROMIUM 51

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		6.04E-04		6.00E-04
2.00E-01		2.69E-03		5.73E-03
3.00E-01		5.57E-03		1.85E-02
4.00E-01		8.65E-03		3.94E-02
5.00E-01		1.16E-02		6.72E-02
6.00E-01		1.44E-02		1.00E-01
7.00E-01		1.70E-02		1.37E-01
8.00E-01		1.93E-02		1.77E-01
9.00E-01		2.13E-02		2.17E-01
1.00E+00	2.31E-02	2.31E-02	2.58E-01	2.58E-01
2.00E+00	1.12E-02	3.37E-02	3.32E-01	5.84E-01
3.00E+00	5.24E-03	3.81E-02	1.60E-01	7.29E-01
4.00E+00	3.48E-03	4.07E-02	6.39E-02	7.75E-01
5.00E+00	2.78E-03	4.24E-02	2.39E-02	7.80E-01
6.00E+00	2.37E-03	4.38E-02	8.72E-03	7.69E-01
7.00E+00	2.06E-03	4.47E-02	3.15E-03	7.54E-01
8.00E+00	1.80E-03	4.54E-02	1.13E-03	7.36E-01
9.00E+00	1.58E-03	4.59E-02	4.08E-04	7.18E-01
1.00E+01	1.39E-03	4.61E-02	1.46E-04	7.01E-01
2.00E+01	4.13E-04	4.24E-02	0.00E+00	5.46E-01
3.00E+01	1.54E-04	3.52E-02	0.00E+00	4.25E-01
4.00E+01	7.57E-05	2.83E-02	0.00E+00	3.31E-01
5.00E+01	4.57E-05	2.26E-02	0.00E+00	2.58E-01
6.00E+01	3.07E-05	1.79E-02	0.00E+00	2.01E-01
7.00E+01	2.14E-05	1.42E-02	0.00E+00	1.56E-01
8.00E+01	1.52E-05	1.12E-02	0.00E+00	1.22E-01
9.00E+01	1.09E-05	8.82E-03	0.00E+00	9.47E-02
1.00E+02	7.77E-06	6.95E-03	0.00E+00	7.37E-02
2.00E+02	2.79E-07	6.12E-04	0.00E+00	6.04E-03
3.00E+02	1.05E-08	5.17E-05	0.00E+00	4.95E-04

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	3.18E-02	9.67E-01	9.99E-01
2.00E-01	6.11E-02	9.30E-01	9.92E-01
3.00E-01	7.57E-02	9.00E-01	9.76E-01
4.00E-01	8.16E-02	8.70E-01	9.52E-01
5.00E-01	8.33E-02	8.37E-01	9.20E-01
6.00E-01	8.28E-02	8.01E-01	8.83E-01
7.00E-01	8.14E-02	7.62E-01	8.43E-01
8.00E-01	7.97E-02	7.20E-01	8.00E-01
9.00E-01	7.79E-02	6.78E-01	7.56E-01
1.00E+00	7.61E-02	6.36E-01	7.12E-01
2.00E+00	6.46E-02	2.87E-01	3.51E-01
3.00E+00	5.89E-02	1.14E-01	1.73E-01
4.00E+00	5.51E-02	4.32E-02	9.82E-02
5.00E+00	5.19E-02	1.61E-02	6.80E-02
6.00E+00	4.92E-02	5.95E-03	5.51E-02
7.00E+00	4.67E-02	2.19E-03	4.89E-02
8.00E+00	4.45E-02	8.08E-04	4.53E-02
9.00E+00	4.25E-02	2.97E-04	4.28E-02
1.00E+01	4.08E-02	1.09E-04	4.09E-02
2.00E+01	3.00E-02	0.00E+00	3.00E-02
3.00E+01	2.55E-02	0.00E+00	2.55E-02
4.00E+01	2.30E-02	0.00E+00	2.30E-02
5.00E+01	2.12E-02	0.00E+00	2.12E-02
6.00E+01	1.97E-02	0.00E+00	1.97E-02
7.00E+01	1.84E-02	0.00E+00	1.84E-02
8.00E+01	1.73E-02	0.00E+00	1.73E-02
9.00E+01	1.62E-02	0.00E+00	1.62E-02
1.00E+02	1.52E-02	0.00E+00	1.52E-02
2.00E+02	8.78E-03	0.00E+00	8.78E-03
3.00E+02	5.93E-03	0.00E+00	5.93E-03
4.00E+02	4.57E-03	0.00E+00	4.57E-03
5.00E+02	3.87E-03	0.00E+00	3.87E-03
6.00E+02	3.44E-03	0.00E+00	3.44E-03
7.00E+02	3.14E-03	0.00E+00	3.14E-03
8.00E+02	2.90E-03	0.00E+00	2.90E-03
9.00E+02	2.69E-03	0.00E+00	2.69E-03
1.00E+03	2.51E-03	0.00E+00	2.51E-03
2.00E+03	1.25E-03	0.00E+00	1.25E-03
3.00E+03	6.25E-04	0.00E+00	6.25E-04
4.00E+03	3.13E-04	0.00E+00	3.13E-04
5.00E+03	1.56E-04	0.00E+00	1.56E-04
6.00E+03	7.82E-05	0.00E+00	7.82E-05
7.00E+03	3.91E-05	0.00E+00	3.91E-05
8.00E+03	1.96E-05	0.00E+00	1.96E-05
9.00E+03	9.78E-06	0.00E+00	9.78E-06
1.00E+04	4.89E-06	0.00E+00	4.89E-06

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		6.06E-04		6.02E-04
2.00E-01		2.71E-03		5.76E-03
3.00E-01		5.61E-03		1.87E-02
4.00E-01		8.73E-03		3.98E-02
5.00E-01		1.18E-02		6.80E-02
6.00E-01		1.47E-02		1.02E-01
7.00E-01		1.73E-02		1.40E-01
8.00E-01		1.96E-02		1.80E-01
9.00E-01		2.18E-02		2.22E-01
1.00E+00	2.37E-02	2.37E-02	2.65E-01	2.65E-01
2.00E+00	1.17E-02	3.54E-02	3.49E-01	6.13E-01
3.00E+00	5.65E-03	4.11E-02	1.73E-01	7.86E-01
4.00E+00	3.85E-03	4.49E-02	7.06E-02	8.57E-01
5.00E+00	3.15E-03	4.81E-02	2.71E-02	8.84E-01
6.00E+00	2.75E-03	5.08E-02	1.01E-02	8.94E-01
7.00E+00	2.45E-03	5.33E-02	3.76E-03	8.98E-01
8.00E+00	2.20E-03	5.55E-02	1.39E-03	8.99E-01
9.00E+00	1.98E-03	5.75E-02	5.11E-04	9.00E-01
1.00E+01	1.78E-03	5.92E-02	1.88E-04	9.00E-01
2.00E+01	6.81E-04	7.00E-02	0.00E+00	9.00E-01
3.00E+01	3.26E-04	7.45E-02	0.00E+00	9.00E-01
4.00E+01	2.06E-04	7.70E-02	0.00E+00	9.00E-01
5.00E+01	1.60E-04	7.88E-02	0.00E+00	9.00E-01
6.00E+01	1.38E-04	8.03E-02	0.00E+00	9.00E-01
7.00E+01	1.24E-04	8.16E-02	0.00E+00	9.00E-01
8.00E+01	1.13E-04	8.27E-02	0.00E+00	9.00E-01
9.00E+01	1.03E-04	8.38E-02	0.00E+00	9.00E-01
1.00E+02	9.49E-05	8.48E-02	0.00E+00	9.00E-01
2.00E+02	4.16E-05	9.12E-02	0.00E+00	9.00E-01
3.00E+02	1.90E-05	9.41E-02	0.00E+00	9.00E-01
4.00E+02	9.45E-06	9.54E-02	0.00E+00	9.00E-01
5.00E+02	5.32E-06	9.61E-02	0.00E+00	9.00E-01
6.00E+02	3.49E-06	9.66E-02	0.00E+00	9.00E-01
7.00E+02	2.64E-06	9.69E-02	0.00E+00	9.00E-01
8.00E+02	2.20E-06	9.71E-02	0.00E+00	9.00E-01
9.00E+02	1.95E-06	9.73E-02	0.00E+00	9.00E-01
1.00E+03	1.77E-06	9.75E-02	0.00E+00	9.00E-01
2.00E+03	8.67E-07	9.87E-02	0.00E+00	9.00E-01
3.00E+03	4.34E-07	9.94E-02	0.00E+00	9.00E-01
4.00E+03	2.17E-07	9.97E-02	0.00E+00	9.00E-01
5.00E+03	1.08E-07	9.98E-02	0.00E+00	9.00E-01
6.00E+03	5.42E-08	9.99E-02	0.00E+00	9.00E-01
7.00E+03	2.71E-08	1.00E-01	0.00E+00	9.00E-01
8.00E+03	1.36E-08	1.00E-01	0.00E+00	9.00E-01

INGESTION

 $f_1 = 1.00E-01$

HALFLIFE= 3.13E+02 DAYS

MANGANESE 54

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	3.23E-02	9.67E-01	9.99E-01
2.00E-01	6.34E-02	9.30E-01	9.93E-01
3.00E-01	8.04E-02	8.99E-01	9.80E-01
4.00E-01	8.89E-02	8.69E-01	9.58E-01
5.00E-01	9.30E-02	8.36E-01	9.29E-01
6.00E-01	9.48E-02	8.00E-01	8.94E-01
7.00E-01	9.54E-02	7.60E-01	8.56E-01
8.00E-01	9.54E-02	7.19E-01	8.15E-01
9.00E-01	9.52E-02	6.77E-01	7.72E-01
1.00E+00	9.47E-02	6.34E-01	7.29E-01
2.00E+00	8.94E-02	2.85E-01	3.75E-01
3.00E+00	8.46E-02	1.13E-01	1.98E-01
4.00E+00	8.03E-02	4.28E-02	1.23E-01
5.00E+00	7.66E-02	1.59E-02	9.25E-02
6.00E+00	7.33E-02	5.87E-03	7.92E-02
7.00E+00	7.04E-02	2.16E-03	7.25E-02
8.00E+00	6.77E-02	7.94E-04	6.85E-02
9.00E+00	6.53E-02	2.92E-04	6.56E-02
1.00E+01	6.31E-02	1.07E-04	6.33E-02
2.00E+01	4.84E-02	0.00E+00	4.84E-02
3.00E+01	3.92E-02	0.00E+00	3.92E-02
4.00E+01	3.22E-02	0.00E+00	3.22E-02
5.00E+01	2.64E-02	0.00E+00	2.64E-02
6.00E+01	2.17E-02	0.00E+00	2.17E-02
7.00E+01	1.79E-02	0.00E+00	1.79E-02
8.00E+01	1.47E-02	0.00E+00	1.47E-02
9.00E+01	1.21E-02	0.00E+00	1.21E-02
1.00E+02	9.95E-03	0.00E+00	9.95E-03
2.00E+02	1.41E-03	0.00E+00	1.41E-03
3.00E+02	2.00E-04	0.00E+00	2.00E-04
4.00E+02	2.83E-05	0.00E+00	2.83E-05
5.00E+02	4.01E-06	0.00E+00	4.01E-06
6.00E+02	5.68E-07	0.00E+00	5.68E-07
7.00E+02	8.04E-08	0.00E+00	8.04E-08
8.00E+02	1.14E-08	0.00E+00	1.14E-08

INGESTION

 $f_1 = 1.00E-01$

HALFLIFE= 3.13E+02 DAYS

MANGANESE 54

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		8.61E-05		6.01E-04
2.00E-01		3.99E-04		5.75E-03
3.00E-01		8.60E-04		1.87E-02
4.00E-01		1.40E-03		3.97E-02
5.00E-01		1.97E-03		6.79E-02
6.00E-01		2.55E-03		1.02E-01
7.00E-01		3.14E-03		1.40E-01
8.00E-01		3.72E-03		1.80E-01
9.00E-01		4.30E-03		2.22E-01
1.00E+00	4.87E-03	4.87E-03	2.64E-01	2.64E-01
2.00E+00	5.31E-03	1.02E-02	3.47E-01	6.11E-01
3.00E+00	4.62E-03	1.48E-02	1.72E-01	7.81E-01
4.00E+00	4.04E-03	1.88E-02	7.00E-02	8.49E-01
5.00E+00	3.55E-03	2.23E-02	2.68E-02	8.74E-01
6.00E+00	3.14E-03	2.54E-02	1.00E-02	8.82E-01
7.00E+00	2.79E-03	2.81E-02	3.70E-03	8.84E-01
8.00E+00	2.49E-03	3.05E-02	1.36E-03	8.83E-01
9.00E+00	2.24E-03	3.27E-02	5.01E-04	8.82E-01
1.00E+01	2.03E-03	3.47E-02	1.84E-04	8.80E-01
2.00E+01	1.01E-03	4.72E-02	0.00E+00	8.61E-01
3.00E+01	7.13E-04	5.43E-02	0.00E+00	8.42E-01
4.00E+01	5.67E-04	5.93E-02	0.00E+00	8.24E-01
5.00E+01	4.63E-04	6.31E-02	0.00E+00	8.06E-01
6.00E+01	3.80E-04	6.58E-02	0.00E+00	7.88E-01
7.00E+01	3.13E-04	6.77E-02	0.00E+00	7.71E-01
8.00E+01	2.57E-04	6.90E-02	0.00E+00	7.54E-01
9.00E+01	2.11E-04	6.98E-02	0.00E+00	7.37E-01
1.00E+02	1.74E-04	7.02E-02	0.00E+00	7.21E-01
2.00E+02	2.46E-05	6.28E-02	0.00E+00	5.78E-01
3.00E+02	3.49E-06	5.12E-02	0.00E+00	4.63E-01
4.00E+02	4.94E-07	4.12E-02	0.00E+00	3.71E-01
5.00E+02	7.00E-08	3.30E-02	0.00E+00	2.97E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	3.23E-02	9.67E-01	9.99E-01
2.00E-01	6.34E-02	9.30E-01	9.94E-01
3.00E-01	8.04E-02	9.00E-01	9.80E-01
4.00E-01	8.90E-02	8.70E-01	9.59E-01
5.00E-01	9.31E-02	8.37E-01	9.30E-01
6.00E-01	9.49E-02	8.01E-01	8.96E-01
7.00E-01	9.56E-02	7.62E-01	8.57E-01
8.00E-01	9.56E-02	7.20E-01	8.16E-01
9.00E-01	9.53E-02	6.78E-01	7.73E-01
1.00E+00	9.49E-02	6.36E-01	7.31E-01
2.00E+00	8.98E-02	2.87E-01	3.76E-01
3.00E+00	8.51E-02	1.14E-01	1.99E-01
4.00E+00	8.11E-02	4.32E-02	1.24E-01
5.00E+00	7.75E-02	1.61E-02	9.36E-02
6.00E+00	7.43E-02	5.95E-03	8.02E-02
7.00E+00	7.15E-02	2.19E-03	7.36E-02
8.00E+00	6.89E-02	8.08E-04	6.97E-02
9.00E+00	6.66E-02	2.97E-04	6.69E-02
1.00E+01	6.46E-02	1.09E-04	6.47E-02
2.00E+01	5.06E-02	0.00E+00	5.06E-02
3.00E+01	4.19E-02	0.00E+00	4.19E-02
4.00E+01	3.52E-02	0.00E+00	3.52E-02
5.00E+01	2.95E-02	0.00E+00	2.95E-02
6.00E+01	2.48E-02	0.00E+00	2.48E-02
7.00E+01	2.09E-02	0.00E+00	2.09E-02
8.00E+01	1.76E-02	0.00E+00	1.76E-02
9.00E+01	1.48E-02	0.00E+00	1.48E-02
1.00E+02	1.24E-02	0.00E+00	1.24E-02
2.00E+02	2.20E-03	0.00E+00	2.20E-03
3.00E+02	3.88E-04	0.00E+00	3.88E-04
4.00E+02	6.87E-05	0.00E+00	6.87E-05
5.00E+02	1.21E-05	0.00E+00	1.21E-05
6.00E+02	2.15E-06	0.00E+00	2.15E-06
7.00E+02	3.80E-07	0.00E+00	3.80E-07
8.00E+02	6.72E-08	0.00E+00	6.72E-08
9.00E+02	1.19E-08	0.00E+00	1.19E-08

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		8.62E-05		6.02E-04
2.00E-01		3.99E-04		5.76E-03
3.00E-01		8.61E-04		1.87E-02
4.00E-01		1.40E-03		3.98E-02
5.00E-01		1.97E-03		6.80E-02
6.00E-01		2.55E-03		1.02E-01
7.00E-01		3.14E-03		1.40E-01
8.00E-01		3.73E-03		1.80E-01
9.00E-01		4.31E-03		2.22E-01
1.00E+00	4.88E-03	4.88E-03	2.65E-01	2.65E-01
2.00E+00	5.33E-03	1.02E-02	3.49E-01	6.13E-01
3.00E+00	4.65E-03	1.49E-02	1.73E-01	7.86E-01
4.00E+00	4.08E-03	1.89E-02	7.06E-02	8.57E-01
5.00E+00	3.59E-03	2.25E-02	2.71E-02	8.84E-01
6.00E+00	3.18E-03	2.57E-02	1.01E-02	8.94E-01
7.00E+00	2.83E-03	2.85E-02	3.76E-03	8.98E-01
8.00E+00	2.54E-03	3.11E-02	1.39E-03	8.99E-01
9.00E+00	2.29E-03	3.34E-02	5.11E-04	9.00E-01
1.00E+01	2.07E-03	3.54E-02	1.88E-04	9.00E-01
2.00E+01	1.05E-03	4.94E-02	0.00E+00	9.00E-01
3.00E+01	7.63E-04	5.81E-02	0.00E+00	9.00E-01
4.00E+01	6.20E-04	6.48E-02	0.00E+00	9.00E-01
5.00E+01	5.17E-04	7.05E-02	0.00E+00	9.00E-01
6.00E+01	4.34E-04	7.52E-02	0.00E+00	9.00E-01
7.00E+01	3.65E-04	7.91E-02	0.00E+00	9.00E-01
8.00E+01	3.07E-04	8.24E-02	0.00E+00	9.00E-01
9.00E+01	2.58E-04	8.52E-02	0.00E+00	9.00E-01
1.00E+02	2.17E-04	8.76E-02	0.00E+00	9.00E-01
2.00E+02	3.84E-05	9.78E-02	0.00E+00	9.00E-01
3.00E+02	6.79E-06	9.96E-02	0.00E+00	9.00E-01
4.00E+02	1.20E-06	9.99E-02	0.00E+00	9.00E-01
5.00E+02	2.12E-07	1.00E-01	0.00E+00	9.00E-01
6.00E+02	3.75E-08	1.00E-01	0.00E+00	9.00E-01

INGESTION

 $f_1 = 1.00E-01$

HALFLIFE= 9.86E+02 DAYS

IRON 55

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	3.24E-02	9.67E-01	9.99E-01
2.00E-01	6.38E-02	9.30E-01	9.94E-01
3.00E-01	8.13E-02	9.00E-01	9.81E-01
4.00E-01	9.03E-02	8.70E-01	9.60E-01
5.00E-01	9.50E-02	8.37E-01	9.32E-01
6.00E-01	9.74E-02	8.00E-01	8.98E-01
7.00E-01	9.86E-02	7.61E-01	8.60E-01
8.00E-01	9.93E-02	7.20E-01	8.19E-01
9.00E-01	9.96E-02	6.78E-01	7.77E-01
1.00E+00	9.97E-02	6.35E-01	7.35E-01
2.00E+00	9.98E-02	2.86E-01	3.86E-01
3.00E+00	9.97E-02	1.14E-01	2.13E-01
4.00E+00	9.96E-02	4.30E-02	1.43E-01
5.00E+00	9.95E-02	1.60E-02	1.16E-01
6.00E+00	9.94E-02	5.93E-03	1.05E-01
7.00E+00	9.93E-02	2.18E-03	1.01E-01
8.00E+00	9.92E-02	8.04E-04	1.00E-01
9.00E+00	9.91E-02	2.96E-04	9.94E-02
1.00E+01	9.90E-02	1.09E-04	9.91E-02
2.00E+01	9.79E-02	0.00E+00	9.79E-02
3.00E+01	9.69E-02	0.00E+00	9.69E-02
4.00E+01	9.59E-02	0.00E+00	9.59E-02
5.00E+01	9.49E-02	0.00E+00	9.49E-02
6.00E+01	9.39E-02	0.00E+00	9.39E-02
7.00E+01	9.29E-02	0.00E+00	9.29E-02
8.00E+01	9.20E-02	0.00E+00	9.20E-02
9.00E+01	9.10E-02	0.00E+00	9.10E-02
1.00E+02	9.00E-02	0.00E+00	9.00E-02
2.00E+02	8.11E-02	0.00E+00	8.11E-02
3.00E+02	7.30E-02	0.00E+00	7.30E-02
4.00E+02	6.57E-02	0.00E+00	6.57E-02
5.00E+02	5.92E-02	0.00E+00	5.92E-02
6.00E+02	5.33E-02	0.00E+00	5.33E-02
7.00E+02	4.80E-02	0.00E+00	4.80E-02
8.00E+02	4.32E-02	0.00E+00	4.32E-02
9.00E+02	3.89E-02	0.00E+00	3.89E-02
1.00E+03	3.50E-02	0.00E+00	3.50E-02
2.00E+03	1.23E-02	0.00E+00	1.23E-02
3.00E+03	4.29E-03	0.00E+00	4.29E-03
4.00E+03	1.50E-03	0.00E+00	1.50E-03
5.00E+03	5.25E-04	0.00E+00	5.25E-04
6.00E+03	1.84E-04	0.00E+00	1.84E-04
7.00E+03	6.43E-05	0.00E+00	6.43E-05
8.00E+03	2.25E-05	0.00E+00	2.25E-05
9.00E+03	7.88E-06	0.00E+00	7.88E-06
1.00E+04	2.76E-06	0.00E+00	2.76E-06

INGESTION

$f_1 = 1.00E-01$

HALFLIFE= 9.86E+02 DAYS

IRON 55

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		4.68E-07		6.02E-04
2.00E-01		2.18E-06		5.75E-03
3.00E-01		4.73E-06		1.87E-02
4.00E-01		7.72E-06		3.97E-02
5.00E-01		1.09E-05		6.80E-02
6.00E-01		1.43E-05		1.02E-01
7.00E-01		1.77E-05		1.40E-01
8.00E-01		2.11E-05		1.80E-01
9.00E-01		2.45E-05		2.22E-01
1.00E+00	2.80E-05	2.80E-05	2.64E-01	2.64E-01
2.00E+00	3.46E-05	6.26E-05	3.48E-01	6.13E-01
3.00E+00	3.45E-05	9.71E-05	1.72E-01	7.85E-01
4.00E+00	3.45E-05	1.32E-04	7.04E-02	8.54E-01
5.00E+00	3.45E-05	1.66E-04	2.70E-02	8.81E-01
6.00E+00	3.44E-05	2.00E-04	1.01E-02	8.90E-01
7.00E+00	3.44E-05	2.34E-04	3.74E-03	8.93E-01
8.00E+00	3.44E-05	2.69E-04	1.38E-03	8.94E-01
9.00E+00	3.43E-05	3.03E-04	5.07E-04	8.94E-01
1.00E+01	3.43E-05	3.37E-04	1.87E-04	8.94E-01
2.00E+01	3.39E-05	6.74E-04	0.00E+00	8.87E-01
3.00E+01	3.36E-05	1.01E-03	0.00E+00	8.81E-01
4.00E+01	3.32E-05	1.33E-03	0.00E+00	8.75E-01
5.00E+01	3.29E-05	1.65E-03	0.00E+00	8.69E-01
6.00E+01	3.25E-05	1.97E-03	0.00E+00	8.63E-01
7.00E+01	3.22E-05	2.28E-03	0.00E+00	8.57E-01
8.00E+01	3.19E-05	2.58E-03	0.00E+00	8.51E-01
9.00E+01	3.15E-05	2.88E-03	0.00E+00	8.45E-01
1.00E+02	3.12E-05	3.17E-03	0.00E+00	8.39E-01
2.00E+02	2.81E-05	5.81E-03	0.00E+00	7.82E-01
3.00E+02	2.53E-05	7.99E-03	0.00E+00	7.29E-01
4.00E+02	2.28E-05	9.76E-03	0.00E+00	6.79E-01
5.00E+02	2.05E-05	1.12E-02	0.00E+00	6.33E-01
6.00E+02	1.85E-05	1.23E-02	0.00E+00	5.90E-01
7.00E+02	1.66E-05	1.32E-02	0.00E+00	5.50E-01
8.00E+02	1.50E-05	1.38E-02	0.00E+00	5.13E-01
9.00E+02	1.35E-05	1.42E-02	0.00E+00	4.78E-01
1.00E+03	1.21E-05	1.45E-02	0.00E+00	4.45E-01
2.00E+03	4.25E-06	1.22E-02	0.00E+00	2.20E-01
3.00E+03	1.49E-06	7.84E-03	0.00E+00	1.09E-01
4.00E+03	5.20E-07	4.50E-03	0.00E+00	5.40E-02
5.00E+03	1.82E-07	2.44E-03	0.00E+00	2.67E-02
6.00E+03	6.37E-08	1.29E-03	0.00E+00	1.32E-02
7.00E+03	2.23E-08	6.63E-04	0.00E+00	6.55E-03

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	3.24E-02	9.67E-01	9.99E-01
2.00E-01	6.38E-02	9.30E-01	9.94E-01
3.00E-01	8.13E-02	9.00E-01	9.81E-01
4.00E-01	9.04E-02	8.70E-01	9.60E-01
5.00E-01	9.50E-02	8.37E-01	9.32E-01
6.00E-01	9.74E-02	8.01E-01	8.98E-01
7.00E-01	9.87E-02	7.62E-01	8.60E-01
8.00E-01	9.93E-02	7.20E-01	8.20E-01
9.00E-01	9.96E-02	6.78E-01	7.78E-01
1.00E+00	9.98E-02	6.36E-01	7.35E-01
2.00E+00	9.99E-02	2.87E-01	3.86E-01
3.00E+00	9.99E-02	1.14E-01	2.14E-01
4.00E+00	9.99E-02	4.32E-02	1.43E-01
5.00E+00	9.98E-02	1.61E-02	1.16E-01
6.00E+00	9.98E-02	5.95E-03	1.06E-01
7.00E+00	9.98E-02	2.19E-03	1.02E-01
8.00E+00	9.97E-02	8.08E-04	1.01E-01
9.00E+00	9.97E-02	2.97E-04	1.00E-01
1.00E+01	9.97E-02	1.09E-04	9.98E-02
2.00E+01	9.93E-02	0.00E+00	9.93E-02
3.00E+01	9.90E-02	0.00E+00	9.90E-02
4.00E+01	9.86E-02	0.00E+00	9.86E-02
5.00E+01	9.83E-02	0.00E+00	9.83E-02
6.00E+01	9.79E-02	0.00E+00	9.79E-02
7.00E+01	9.76E-02	0.00E+00	9.76E-02
8.00E+01	9.73E-02	0.00E+00	9.73E-02
9.00E+01	9.69E-02	0.00E+00	9.69E-02
1.00E+02	9.66E-02	0.00E+00	9.66E-02
2.00E+02	9.33E-02	0.00E+00	9.33E-02
3.00E+02	9.01E-02	0.00E+00	9.01E-02
4.00E+02	8.71E-02	0.00E+00	8.71E-02
5.00E+02	8.41E-02	0.00E+00	8.41E-02
6.00E+02	8.12E-02	0.00E+00	8.12E-02
7.00E+02	7.85E-02	0.00E+00	7.85E-02
8.00E+02	7.58E-02	0.00E+00	7.58E-02
9.00E+02	7.32E-02	0.00E+00	7.32E-02
1.00E+03	7.07E-02	0.00E+00	7.07E-02
2.00E+03	5.00E-02	0.00E+00	5.00E-02
3.00E+03	3.54E-02	0.00E+00	3.54E-02
4.00E+03	2.50E-02	0.00E+00	2.50E-02
5.00E+03	1.77E-02	0.00E+00	1.77E-02
7.00E+03	8.84E-03	0.00E+00	8.84E-03
8.00E+03	6.25E-03	0.00E+00	6.25E-03
9.00E+03	4.42E-03	0.00E+00	4.42E-03
1.00E+04	3.13E-03	0.00E+00	3.13E-03
2.00E+04	9.78E-05	0.00E+00	9.78E-05

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		4.68E-07		6.02E-04
2.00E-01		2.18E-06		5.76E-03
3.00E-01		4.73E-06		1.87E-02
4.00E-01		7.72E-06		3.98E-02
5.00E-01		1.09E-05		6.80E-02
6.00E-01		1.43E-05		1.02E-01
7.00E-01		1.77E-05		1.40E-01
8.00E-01		2.11E-05		1.80E-01
9.00E-01		2.46E-05		2.22E-01
1.00E+00	2.80E-05	2.80E-05	2.65E-01	2.65E-01
2.00E+00	3.46E-05	6.26E-05	3.49E-01	6.13E-01
3.00E+00	3.46E-05	9.73E-05	1.73E-01	7.86E-01
4.00E+00	3.46E-05	1.32E-04	7.06E-02	8.57E-01
5.00E+00	3.46E-05	1.66E-04	2.71E-02	8.84E-01
6.00E+00	3.46E-05	2.01E-04	1.01E-02	8.94E-01
7.00E+00	3.46E-05	2.36E-04	3.76E-03	8.98E-01
8.00E+00	3.46E-05	2.70E-04	1.39E-03	8.99E-01
9.00E+00	3.46E-05	3.05E-04	5.11E-04	9.00E-01
1.00E+01	3.45E-05	3.39E-04	1.88E-04	9.00E-01
2.00E+01	3.44E-05	6.84E-04	0.00E+00	9.00E-01
3.00E+01	3.43E-05	1.03E-03	0.00E+00	9.00E-01
4.00E+01	3.42E-05	1.37E-03	0.00E+00	9.00E-01
5.00E+01	3.41E-05	1.71E-03	0.00E+00	9.00E-01
7.00E+01	3.38E-05	2.39E-03	0.00E+00	9.00E-01
8.00E+01	3.37E-05	2.73E-03	0.00E+00	9.00E-01
9.00E+01	3.36E-05	3.06E-03	0.00E+00	9.00E-01
1.00E+02	3.35E-05	3.40E-03	0.00E+00	9.00E-01
2.00E+02	3.23E-05	6.69E-03	0.00E+00	9.00E-01
3.00E+02	3.12E-05	9.87E-03	0.00E+00	9.00E-01
4.00E+02	3.02E-05	1.29E-02	0.00E+00	9.00E-01
5.00E+02	2.91E-05	1.59E-02	0.00E+00	9.00E-01
7.00E+02	2.72E-05	2.15E-02	0.00E+00	9.00E-01
8.00E+02	2.63E-05	2.42E-02	0.00E+00	9.00E-01
9.00E+02	2.54E-05	2.68E-02	0.00E+00	9.00E-01
1.00E+03	2.45E-05	2.93E-02	0.00E+00	9.00E-01
2.00E+03	1.73E-05	5.00E-02	0.00E+00	9.00E-01
3.00E+03	1.23E-05	6.46E-02	0.00E+00	9.00E-01
4.00E+03	8.67E-06	7.50E-02	0.00E+00	9.00E-01
5.00E+03	6.13E-06	8.23E-02	0.00E+00	9.00E-01
7.00E+03	3.06E-06	9.12E-02	0.00E+00	9.00E-01
8.00E+03	2.17E-06	9.37E-02	0.00E+00	9.00E-01
9.00E+03	1.53E-06	9.56E-02	0.00E+00	9.00E-01
1.00E+04	1.08E-06	9.69E-02	0.00E+00	9.00E-01
2.00E+04	3.39E-08	9.99E-02	0.00E+00	9.00E-01

INGESTION

$f_1 = 1.00E-01$

HALFLIFE= 4.45E+01 DAYS

IRON 59

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	3.23E-02	9.65E-01	9.98E-01
2.00E-01	6.36E-02	9.28E-01	9.91E-01
3.00E-01	8.09E-02	8.96E-01	9.77E-01
4.00E-01	8.98E-02	8.64E-01	9.54E-01
5.00E-01	9.43E-02	8.30E-01	9.25E-01
6.00E-01	9.65E-02	7.93E-01	8.90E-01
7.00E-01	9.76E-02	7.53E-01	8.51E-01
8.00E-01	9.81E-02	7.11E-01	8.10E-01
9.00E-01	9.82E-02	6.69E-01	7.67E-01
1.00E+00	9.83E-02	6.26E-01	7.24E-01
2.00E+00	9.69E-02	2.78E-01	3.75E-01
3.00E+00	9.53E-02	1.09E-01	2.04E-01
4.00E+00	9.38E-02	4.06E-02	1.34E-01
5.00E+00	9.24E-02	1.49E-02	1.07E-01
6.00E+00	9.09E-02	5.42E-03	9.63E-02
7.00E+00	8.95E-02	1.97E-03	9.14E-02
8.00E+00	8.81E-02	7.13E-04	8.88E-02
9.00E+00	8.67E-02	2.59E-04	8.69E-02
1.00E+01	8.53E-02	9.37E-05	8.54E-02
2.00E+01	7.27E-02	0.00E+00	7.27E-02
3.00E+01	6.20E-02	0.00E+00	6.20E-02
4.00E+01	5.29E-02	0.00E+00	5.29E-02
5.00E+01	4.51E-02	0.00E+00	4.51E-02
6.00E+01	3.85E-02	0.00E+00	3.85E-02
7.00E+01	3.28E-02	0.00E+00	3.28E-02
8.00E+01	2.80E-02	0.00E+00	2.80E-02
9.00E+01	2.39E-02	0.00E+00	2.39E-02
1.00E+02	2.04E-02	0.00E+00	2.04E-02
2.00E+02	4.15E-03	0.00E+00	4.15E-03
3.00E+02	8.45E-04	0.00E+00	8.45E-04
4.00E+02	1.72E-04	0.00E+00	1.72E-04
5.00E+02	3.51E-05	0.00E+00	3.51E-05
6.00E+02	7.14E-06	0.00E+00	7.14E-06
7.00E+02	1.45E-06	0.00E+00	1.45E-06
8.00E+02	2.96E-07	0.00E+00	2.96E-07
9.00E+02	6.03E-08	0.00E+00	6.03E-08
1.00E+03	1.23E-08	0.00E+00	1.23E-08

INGESTION

$f_1 = 1.00E-01$

HALFLIFE= 4.45E+01 DAYS

IRON 59

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		4.67E-07		6.01E-04
2.00E-01		2.17E-06		5.74E-03
3.00E-01		4.71E-06		1.86E-02
4.00E-01		7.67E-06		3.95E-02
5.00E-01		1.09E-05		6.75E-02
6.00E-01		1.41E-05		1.01E-01
7.00E-01		1.75E-05		1.38E-01
8.00E-01		2.08E-05		1.78E-01
9.00E-01		2.42E-05		2.19E-01
1.00E+00	2.76E-05	2.76E-05	2.61E-01	2.61E-01
2.00E+00	3.36E-05	6.07E-05	3.38E-01	5.95E-01
3.00E+00	3.30E-05	9.28E-05	1.65E-01	7.50E-01
4.00E+00	3.25E-05	1.24E-04	6.63E-02	8.05E-01
5.00E+00	3.20E-05	1.54E-04	2.50E-02	8.18E-01
6.00E+00	3.15E-05	1.83E-04	9.23E-03	8.14E-01
7.00E+00	3.10E-05	2.11E-04	3.37E-03	8.05E-01
8.00E+00	3.05E-05	2.39E-04	1.22E-03	7.94E-01
9.00E+00	3.00E-05	2.65E-04	4.44E-04	7.82E-01
1.00E+01	2.96E-05	2.90E-04	1.61E-04	7.70E-01
2.00E+01	2.52E-05	5.01E-04	0.00E+00	6.59E-01
3.00E+01	2.15E-05	6.44E-04	0.00E+00	5.64E-01
4.00E+01	1.83E-05	7.35E-04	0.00E+00	4.83E-01
5.00E+01	1.56E-05	7.86E-04	0.00E+00	4.13E-01
6.00E+01	1.33E-05	8.06E-04	0.00E+00	3.54E-01
7.00E+01	1.14E-05	8.04E-04	0.00E+00	3.03E-01
8.00E+01	9.70E-06	7.85E-04	0.00E+00	2.59E-01
9.00E+01	8.28E-06	7.55E-04	0.00E+00	2.22E-01
1.00E+02	7.06E-06	7.17E-04	0.00E+00	1.90E-01
2.00E+02	1.44E-06	2.97E-04	0.00E+00	4.00E-02
3.00E+02	2.93E-07	9.25E-05	0.00E+00	8.44E-03
4.00E+02	5.96E-08	2.56E-05	0.00E+00	1.78E-03
5.00E+02	1.21E-08	6.63E-06	0.00E+00	3.75E-04

INGESTION

$f_1 = 5.00E-02$

HALFLIFE= 7.08E+01 DAYS

COBALT 58

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	1.51E-02	9.83E-01	9.98E-01
2.00E-01	2.89E-02	9.61E-01	9.90E-01
3.00E-01	3.55E-02	9.38E-01	9.74E-01
4.00E-01	3.78E-02	9.11E-01	9.49E-01
5.00E-01	3.80E-02	8.79E-01	9.17E-01
6.00E-01	3.71E-02	8.41E-01	8.79E-01
7.00E-01	3.58E-02	8.01E-01	8.36E-01
8.00E-01	3.44E-02	7.57E-01	7.92E-01
9.00E-01	3.30E-02	7.13E-01	7.46E-01
1.00E+00	3.17E-02	6.68E-01	6.99E-01
2.00E+00	2.37E-02	2.99E-01	3.23E-01
3.00E+00	2.06E-02	1.18E-01	1.38E-01
4.00E+00	1.88E-02	4.42E-02	6.31E-02
5.00E+00	1.75E-02	1.63E-02	3.38E-02
6.00E+00	1.63E-02	5.98E-03	2.23E-02
7.00E+00	1.53E-02	2.18E-03	1.75E-02
8.00E+00	1.45E-02	7.96E-04	1.52E-02
9.00E+00	1.37E-02	2.90E-04	1.39E-02
1.00E+01	1.29E-02	1.06E-04	1.30E-02
2.00E+01	8.56E-03	0.00E+00	8.56E-03
3.00E+01	6.63E-03	0.00E+00	6.63E-03
4.00E+01	5.50E-03	0.00E+00	5.50E-03
5.00E+01	4.69E-03	0.00E+00	4.69E-03
6.00E+01	4.04E-03	0.00E+00	4.04E-03
7.00E+01	3.50E-03	0.00E+00	3.50E-03
8.00E+01	3.04E-03	0.00E+00	3.04E-03
9.00E+01	2.65E-03	0.00E+00	2.65E-03
1.00E+02	2.32E-03	0.00E+00	2.32E-03
2.00E+02	6.64E-04	0.00E+00	6.64E-04
3.00E+02	2.13E-04	0.00E+00	2.13E-04
4.00E+02	7.14E-05	0.00E+00	7.14E-05
5.00E+02	2.44E-05	0.00E+00	2.44E-05
6.00E+02	8.37E-06	0.00E+00	8.37E-06
7.00E+02	2.88E-06	0.00E+00	2.88E-06
8.00E+02	9.92E-07	0.00E+00	9.92E-07
9.00E+02	3.42E-07	0.00E+00	3.42E-07
1.00E+03	1.18E-07	0.00E+00	1.18E-07

INGESTION

$f_1 = 5.00E-02$

HALFLIFE= 7.08E+01 DAYS

COBALT 58

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	24-HOUR URINE	ACCUMULATED URINE	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		3.17E-04		7.41E-04
2.00E-01		1.42E-03		6.43E-03
3.00E-01		2.96E-03		2.02E-02
4.00E-01		4.62E-03		4.25E-02
5.00E-01		6.23E-03		7.23E-02
6.00E-01		7.74E-03		1.08E-01
7.00E-01		9.11E-03		1.48E-01
8.00E-01		1.03E-02		1.90E-01
9.00E-01		1.14E-02		2.34E-01
1.00E+00	1.24E-02	1.24E-02	2.78E-01	2.78E-01
2.00E+00	5.43E-03	1.77E-02	3.64E-01	6.40E-01
3.00E+00	2.03E-03	1.96E-02	1.79E-01	8.13E-01
4.00E+00	1.11E-03	2.05E-02	7.28E-02	8.78E-01
5.00E+00	8.09E-04	2.11E-02	2.78E-02	8.97E-01
6.00E+00	6.76E-04	2.16E-02	1.05E-02	8.99E-01
7.00E+00	5.89E-04	2.19E-02	3.99E-03	8.94E-01
8.00E+00	5.21E-04	2.22E-02	1.59E-03	8.87E-01
9.00E+00	4.63E-04	2.25E-02	6.97E-04	8.79E-01
1.00E+01	4.12E-04	2.27E-02	3.58E-04	8.71E-01
2.00E+01	1.36E-04	2.28E-02	5.85E-05	7.91E-01
3.00E+01	5.44E-05	2.14E-02	2.33E-05	7.17E-01
4.00E+01	2.81E-05	1.98E-02	1.20E-05	6.51E-01
5.00E+01	1.83E-05	1.82E-02	7.84E-06	5.90E-01
6.00E+01	1.36E-05	1.66E-02	5.85E-06	5.35E-01
7.00E+01	1.08E-05	1.52E-02	4.63E-06	4.85E-01
8.00E+01	8.74E-06	1.39E-02	3.75E-06	4.40E-01
9.00E+01	7.15E-06	1.26E-02	3.06E-06	3.99E-01
1.00E+02	5.87E-06	1.15E-02	2.52E-06	3.62E-01
2.00E+02	9.31E-07	4.48E-03	3.99E-07	1.36E-01
3.00E+02	1.92E-07	1.71E-03	8.21E-08	5.11E-02
4.00E+02	5.07E-08	6.47E-04	2.17E-08	1.92E-02
5.00E+02	1.57E-08	2.45E-04	0.00E+00	7.21E-03

INGESTION

 $f_1 = 5.00E-02$

STABLE

COBALT 59

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	1.51E-02	9.84E-01	9.99E-01
2.00E-01	2.89E-02	9.63E-01	9.92E-01
3.00E-01	3.56E-02	9.41E-01	9.77E-01
4.00E-01	3.80E-02	9.15E-01	9.53E-01
5.00E-01	3.82E-02	8.83E-01	9.21E-01
6.00E-01	3.73E-02	8.46E-01	8.84E-01
7.00E-01	3.61E-02	8.06E-01	8.42E-01
8.00E-01	3.47E-02	7.63E-01	7.98E-01
9.00E-01	3.33E-02	7.19E-01	7.52E-01
1.00E+00	3.20E-02	6.74E-01	7.06E-01
2.00E+00	2.42E-02	3.05E-01	3.29E-01
3.00E+00	2.12E-02	1.21E-01	1.42E-01
4.00E+00	1.96E-02	4.60E-02	6.56E-02
5.00E+00	1.84E-02	1.71E-02	3.55E-02
6.00E+00	1.73E-02	6.34E-03	2.37E-02
7.00E+00	1.64E-02	2.34E-03	1.88E-02
8.00E+00	1.56E-02	8.61E-04	1.65E-02
9.00E+00	1.49E-02	3.17E-04	1.52E-02
1.00E+01	1.43E-02	1.17E-04	1.44E-02
2.00E+01	1.04E-02	0.00E+00	1.04E-02
3.00E+01	8.90E-03	0.00E+00	8.90E-03
4.00E+01	8.14E-03	0.00E+00	8.14E-03
5.00E+01	7.65E-03	0.00E+00	7.65E-03
6.00E+01	7.27E-03	0.00E+00	7.27E-03
7.00E+01	6.94E-03	0.00E+00	6.94E-03
8.00E+01	6.66E-03	0.00E+00	6.66E-03
9.00E+01	6.40E-03	0.00E+00	6.40E-03
1.00E+02	6.16E-03	0.00E+00	6.16E-03
2.00E+02	4.70E-03	0.00E+00	4.70E-03
3.00E+02	4.01E-03	0.00E+00	4.01E-03
4.00E+02	3.59E-03	0.00E+00	3.59E-03
5.00E+02	3.26E-03	0.00E+00	3.26E-03
6.00E+02	2.98E-03	0.00E+00	2.98E-03
7.00E+02	2.73E-03	0.00E+00	2.73E-03
8.00E+02	2.50E-03	0.00E+00	2.50E-03
9.00E+02	2.29E-03	0.00E+00	2.29E-03
1.00E+03	2.10E-03	0.00E+00	2.10E-03
2.00E+03	8.84E-04	0.00E+00	8.84E-04
3.00E+03	3.72E-04	0.00E+00	3.72E-04
4.00E+03	1.56E-04	0.00E+00	1.56E-04
5.00E+03	6.58E-05	0.00E+00	6.58E-05
6.00E+03	2.76E-05	0.00E+00	2.76E-05
7.00E+03	1.16E-05	0.00E+00	1.16E-05
8.00E+03	4.89E-06	0.00E+00	4.89E-06
9.00E+03	2.06E-06	0.00E+00	2.06E-06
1.00E+04	8.64E-07	0.00E+00	8.64E-07

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	24-HOUR URINE	ACCUMULATED URINE	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		3.17E-04		7.42E-04
2.00E-01		1.43E-03		6.44E-03
3.00E-01		2.97E-03		2.03E-02
4.00E-01		4.63E-03		4.27E-02
5.00E-01		6.27E-03		7.26E-02
6.00E-01		7.79E-03		1.08E-01
7.00E-01		9.17E-03		1.49E-01
8.00E-01		1.04E-02		1.92E-01
9.00E-01		1.15E-02		2.36E-01
1.00E+00	1.25E-02	1.25E-02	2.81E-01	2.81E-01
2.00E+00	5.54E-03	1.81E-02	3.72E-01	6.53E-01
3.00E+00	2.09E-03	2.01E-02	1.85E-01	8.37E-01
4.00E+00	1.15E-03	2.13E-02	7.57E-02	9.13E-01
5.00E+00	8.50E-04	2.21E-02	2.92E-02	9.42E-01
6.00E+00	7.17E-04	2.29E-02	1.11E-02	9.53E-01
7.00E+00	6.31E-04	2.35E-02	4.27E-03	9.58E-01
8.00E+00	5.64E-04	2.41E-02	1.72E-03	9.59E-01
9.00E+00	5.05E-04	2.46E-02	7.61E-04	9.60E-01
1.00E+01	4.54E-04	2.50E-02	3.95E-04	9.61E-01
2.00E+01	1.66E-04	2.77E-02	7.11E-05	9.62E-01
3.00E+01	7.29E-05	2.88E-02	3.13E-05	9.62E-01
4.00E+01	4.16E-05	2.93E-02	1.78E-05	9.63E-01
5.00E+01	2.99E-05	2.96E-02	1.28E-05	9.63E-01
6.00E+01	2.45E-05	2.99E-02	1.05E-05	9.63E-01
7.00E+01	2.14E-05	3.01E-02	9.18E-06	9.63E-01
8.00E+01	1.91E-05	3.03E-02	8.20E-06	9.63E-01
9.00E+01	1.73E-05	3.05E-02	7.40E-06	9.63E-01
1.00E+02	1.56E-05	3.07E-02	6.70E-06	9.63E-01
2.00E+02	6.60E-06	3.17E-02	2.83E-06	9.64E-01
3.00E+02	3.61E-06	3.22E-02	1.55E-06	9.64E-01
4.00E+02	2.55E-06	3.25E-02	1.09E-06	9.64E-01
5.00E+02	2.09E-06	3.27E-02	8.97E-07	9.64E-01
6.00E+02	1.84E-06	3.29E-02	7.90E-07	9.64E-01
7.00E+02	1.67E-06	3.31E-02	7.14E-07	9.64E-01
8.00E+02	1.52E-06	3.32E-02	6.52E-07	9.64E-01
9.00E+02	1.39E-06	3.34E-02	5.97E-07	9.64E-01
1.00E+03	1.28E-06	3.35E-02	5.47E-07	9.64E-01
2.00E+03	5.36E-07	3.44E-02	2.30E-07	9.65E-01
3.00E+03	2.26E-07	3.47E-02	9.67E-08	9.65E-01
4.00E+03	9.49E-08	3.49E-02	4.07E-08	9.65E-01
5.00E+03	3.99E-08	3.50E-02	1.71E-08	9.65E-01
6.00E+03	1.68E-08	3.50E-02	0.00E+00	9.65E-01

INGESTION

$f_1 = 5.00E-02$

HALFLIFE= 1.92E+03 DAYS

COBALT 60

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	1.51E-02	9.84E-01	9.99E-01
2.00E-01	2.89E-02	9.63E-01	9.92E-01
3.00E-01	3.56E-02	9.41E-01	9.77E-01
4.00E-01	3.79E-02	9.15E-01	9.53E-01
5.00E-01	3.82E-02	8.83E-01	9.21E-01
6.00E-01	3.73E-02	8.46E-01	8.84E-01
7.00E-01	3.61E-02	8.06E-01	8.42E-01
8.00E-01	3.47E-02	7.63E-01	7.98E-01
9.00E-01	3.33E-02	7.19E-01	7.52E-01
1.00E+00	3.20E-02	6.74E-01	7.06E-01
2.00E+00	2.42E-02	3.05E-01	3.29E-01
3.00E+00	2.12E-02	1.21E-01	1.42E-01
4.00E+00	1.95E-02	4.59E-02	6.55E-02
5.00E+00	1.83E-02	1.71E-02	3.54E-02
6.00E+00	1.73E-02	6.33E-03	2.36E-02
7.00E+00	1.64E-02	2.33E-03	1.87E-02
8.00E+00	1.56E-02	8.59E-04	1.64E-02
9.00E+00	1.49E-02	3.16E-04	1.52E-02
1.00E+01	1.42E-02	1.16E-04	1.43E-02
2.00E+01	1.03E-02	0.00E+00	1.03E-02
3.00E+01	8.80E-03	0.00E+00	8.80E-03
4.00E+01	8.02E-03	0.00E+00	8.02E-03
5.00E+01	7.51E-03	0.00E+00	7.51E-03
6.00E+01	7.11E-03	0.00E+00	7.11E-03
7.00E+01	6.77E-03	0.00E+00	6.77E-03
8.00E+01	6.47E-03	0.00E+00	6.47E-03
9.00E+01	6.19E-03	0.00E+00	6.19E-03
1.00E+02	5.95E-03	0.00E+00	5.95E-03
2.00E+02	4.38E-03	0.00E+00	4.38E-03
3.00E+02	3.60E-03	0.00E+00	3.60E-03
4.00E+02	3.10E-03	0.00E+00	3.10E-03
5.00E+02	2.72E-03	0.00E+00	2.72E-03
6.00E+02	2.40E-03	0.00E+00	2.40E-03
7.00E+02	2.12E-03	0.00E+00	2.12E-03
8.00E+02	1.87E-03	0.00E+00	1.87E-03
9.00E+02	1.66E-03	0.00E+00	1.66E-03
1.00E+03	1.47E-03	0.00E+00	1.47E-03
2.00E+03	4.30E-04	0.00E+00	4.30E-04
3.00E+03	1.26E-04	0.00E+00	1.26E-04
4.00E+03	3.70E-05	0.00E+00	3.70E-05
5.00E+03	1.09E-05	0.00E+00	1.09E-05
6.00E+03	3.18E-06	0.00E+00	3.18E-06
7.00E+03	9.34E-07	0.00E+00	9.34E-07
8.00E+03	2.74E-07	0.00E+00	2.74E-07
9.00E+03	8.03E-08	0.00E+00	8.03E-08
1.00E+04	2.36E-08	0.00E+00	2.36E-08

INGESTION

$f_1 = 5.00E-02$

HALFLIFE= 1.92E+03 DAYS

COBALT 60

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	24-HOUR URINE	ACCUMULATED URINE	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		3.17E-04		7.42E-04
2.00E-01		1.43E-03		6.44E-03
3.00E-01		2.97E-03		2.03E-02
4.00E-01		4.63E-03		4.27E-02
5.00E-01		6.26E-03		7.26E-02
6.00E-01		7.79E-03		1.08E-01
7.00E-01		9.17E-03		1.49E-01
8.00E-01		1.04E-02		1.92E-01
9.00E-01		1.15E-02		2.36E-01
1.00E+00	1.25E-02	1.25E-02	2.81E-01	2.81E-01
2.00E+00	5.53E-03	1.80E-02	3.71E-01	6.52E-01
3.00E+00	2.09E-03	2.01E-02	1.84E-01	8.37E-01
4.00E+00	1.15E-03	2.13E-02	7.56E-02	9.12E-01
5.00E+00	8.48E-04	2.21E-02	2.92E-02	9.41E-01
6.00E+00	7.15E-04	2.28E-02	1.11E-02	9.51E-01
7.00E+00	6.30E-04	2.34E-02	4.26E-03	9.55E-01
8.00E+00	5.62E-04	2.40E-02	1.71E-03	9.57E-01
9.00E+00	5.04E-04	2.45E-02	7.58E-04	9.57E-01
1.00E+01	4.52E-04	2.49E-02	3.94E-04	9.57E-01
2.00E+01	1.65E-04	2.75E-02	7.06E-05	9.55E-01
3.00E+01	7.21E-05	2.85E-02	3.09E-05	9.52E-01
4.00E+01	4.10E-05	2.89E-02	1.76E-05	9.49E-01
5.00E+01	2.93E-05	2.91E-02	1.26E-05	9.46E-01
6.00E+01	2.40E-05	2.93E-02	1.03E-05	9.42E-01
7.00E+01	2.09E-05	2.94E-02	8.95E-06	9.39E-01
8.00E+01	1.86E-05	2.95E-02	7.97E-06	9.36E-01
9.00E+01	1.67E-05	2.95E-02	7.16E-06	9.32E-01
1.00E+02	1.51E-05	2.96E-02	6.46E-06	9.29E-01
2.00E+02	6.14E-06	2.95E-02	2.63E-06	8.97E-01
3.00E+02	3.24E-06	2.89E-02	1.39E-06	8.65E-01
4.00E+02	2.21E-06	2.81E-02	9.45E-07	8.35E-01
5.00E+02	1.75E-06	2.73E-02	7.49E-07	8.05E-01
6.00E+02	1.49E-06	2.65E-02	6.37E-07	7.77E-01
7.00E+02	1.30E-06	2.57E-02	5.55E-07	7.49E-01
8.00E+02	1.14E-06	2.49E-02	4.89E-07	7.23E-01
9.00E+02	1.01E-06	2.41E-02	4.32E-07	6.97E-01
1.00E+03	8.90E-07	2.34E-02	3.81E-07	6.73E-01
2.00E+03	2.61E-07	1.67E-02	1.12E-07	4.69E-01
3.00E+03	7.65E-08	1.18E-02	3.28E-08	3.27E-01
4.00E+03	2.25E-08	8.26E-03	0.00E+00	2.28E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	1.44E-02	9.84E-01	9.98E-01
2.00E-01	2.60E-02	9.63E-01	9.89E-01
3.00E-01	2.99E-02	9.41E-01	9.71E-01
4.00E-01	2.98E-02	9.15E-01	9.45E-01
5.00E-01	2.81E-02	8.83E-01	9.11E-01
6.00E-01	2.59E-02	8.46E-01	8.72E-01
7.00E-01	2.38E-02	8.06E-01	8.30E-01
8.00E-01	2.19E-02	7.63E-01	7.85E-01
9.00E-01	2.04E-02	7.19E-01	7.39E-01
1.00E+00	1.92E-02	6.74E-01	6.94E-01
2.00E+00	1.53E-02	3.05E-01	3.20E-01
3.00E+00	1.50E-02	1.21E-01	1.36E-01
4.00E+00	1.50E-02	4.60E-02	6.10E-02
5.00E+00	1.50E-02	1.71E-02	3.21E-02
6.00E+00	1.49E-02	6.34E-03	2.13E-02
7.00E+00	1.49E-02	2.34E-03	1.73E-02
8.00E+00	1.49E-02	8.61E-04	1.58E-02
9.00E+00	1.49E-02	3.17E-04	1.52E-02
1.00E+01	1.49E-02	1.17E-04	1.50E-02
2.00E+01	1.48E-02	0.00E+00	1.48E-02
3.00E+01	1.47E-02	0.00E+00	1.47E-02
4.00E+01	1.47E-02	0.00E+00	1.47E-02
5.00E+01	1.46E-02	0.00E+00	1.46E-02
6.00E+01	1.45E-02	0.00E+00	1.45E-02
7.00E+01	1.44E-02	0.00E+00	1.44E-02
8.00E+01	1.43E-02	0.00E+00	1.43E-02
9.00E+01	1.42E-02	0.00E+00	1.42E-02
1.00E+02	1.42E-02	0.00E+00	1.42E-02
2.00E+02	1.34E-02	0.00E+00	1.34E-02
3.00E+02	1.26E-02	0.00E+00	1.26E-02
4.00E+02	1.19E-02	0.00E+00	1.19E-02
5.00E+02	1.12E-02	0.00E+00	1.12E-02
6.00E+02	1.06E-02	0.00E+00	1.06E-02
7.00E+02	1.00E-02	0.00E+00	1.00E-02
8.00E+02	9.45E-03	0.00E+00	9.45E-03
9.00E+02	8.92E-03	0.00E+00	8.92E-03
1.00E+03	8.42E-03	0.00E+00	8.42E-03
2.00E+03	4.73E-03	0.00E+00	4.73E-03
3.00E+03	2.65E-03	0.00E+00	2.65E-03
4.00E+03	1.49E-03	0.00E+00	1.49E-03
5.00E+03	8.36E-04	0.00E+00	8.36E-04
7.00E+03	2.63E-04	0.00E+00	2.63E-04
8.00E+03	1.48E-04	0.00E+00	1.48E-04
9.00E+03	8.30E-05	0.00E+00	8.30E-05
1.00E+04	4.66E-05	0.00E+00	4.66E-05
2.00E+04	1.45E-07	0.00E+00	1.45E-07

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		1.17E-03		6.06E-04
2.00E-01		5.01E-03		5.83E-03
3.00E-01		9.93E-03		1.90E-02
4.00E-01		1.48E-02		4.07E-02
5.00E-01		1.90E-02		6.99E-02
6.00E-01		2.25E-02		1.05E-01
7.00E-01		2.54E-02		1.45E-01
8.00E-01		2.76E-02		1.87E-01
9.00E-01		2.94E-02		2.31E-01
1.00E+00	3.07E-02	3.07E-02	2.76E-01	2.76E-01
2.00E+00	4.04E-03	3.47E-02	3.69E-01	6.45E-01
3.00E+00	2.63E-04	3.50E-02	1.84E-01	8.29E-01
4.00E+00	2.45E-05	3.50E-02	7.52E-02	9.04E-01
5.00E+00	9.63E-06	3.50E-02	2.89E-02	9.33E-01
6.00E+00	8.70E-06	3.51E-02	1.08E-02	9.44E-01
7.00E+00	8.63E-06	3.51E-02	4.00E-03	9.48E-01
8.00E+00	8.63E-06	3.51E-02	1.48E-03	9.49E-01
9.00E+00	8.62E-06	3.51E-02	5.44E-04	9.50E-01
1.00E+01	8.62E-06	3.51E-02	2.00E-04	9.50E-01
2.00E+01	8.57E-06	3.52E-02	0.00E+00	9.50E-01
3.00E+01	8.52E-06	3.53E-02	0.00E+00	9.50E-01
4.00E+01	8.47E-06	3.53E-02	0.00E+00	9.50E-01
5.00E+01	8.42E-06	3.54E-02	0.00E+00	9.50E-01
6.00E+01	8.37E-06	3.55E-02	0.00E+00	9.50E-01
7.00E+01	8.32E-06	3.56E-02	0.00E+00	9.50E-01
8.00E+01	8.27E-06	3.57E-02	0.00E+00	9.50E-01
9.00E+01	8.23E-06	3.58E-02	0.00E+00	9.50E-01
1.00E+02	8.18E-06	3.58E-02	0.00E+00	9.50E-01
2.00E+02	7.72E-06	3.66E-02	0.00E+00	9.50E-01
3.00E+02	7.29E-06	3.74E-02	0.00E+00	9.50E-01
4.00E+02	6.88E-06	3.81E-02	0.00E+00	9.50E-01
5.00E+02	6.49E-06	3.88E-02	0.00E+00	9.50E-01
7.00E+02	5.78E-06	4.00E-02	0.00E+00	9.50E-01
8.00E+02	5.46E-06	4.05E-02	0.00E+00	9.50E-01
9.00E+02	5.15E-06	4.11E-02	0.00E+00	9.50E-01
1.00E+03	4.86E-06	4.16E-02	0.00E+00	9.50E-01
2.00E+03	2.73E-06	4.53E-02	0.00E+00	9.50E-01
3.00E+03	1.53E-06	4.73E-02	0.00E+00	9.50E-01
4.00E+03	8.60E-07	4.85E-02	0.00E+00	9.50E-01
5.00E+03	4.83E-07	4.92E-02	0.00E+00	9.50E-01
7.00E+03	1.52E-07	4.97E-02	0.00E+00	9.50E-01
8.00E+03	8.54E-08	4.99E-02	0.00E+00	9.50E-01
9.00E+03	4.79E-08	4.99E-02	0.00E+00	9.50E-01
1.00E+04	2.69E-08	5.00E-02	0.00E+00	9.50E-01

INGESTION

 $f_1 = 5.00E-01$

STABLE

COPPER 63

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	2.44E-01	7.55E-01	9.99E-01
2.00E-01	4.13E-01	5.82E-01	9.94E-01
3.00E-01	4.71E-01	5.13E-01	9.84E-01
4.00E-01	4.89E-01	4.79E-01	9.69E-01
5.00E-01	4.94E-01	4.55E-01	9.49E-01
6.00E-01	4.95E-01	4.32E-01	9.28E-01
7.00E-01	4.95E-01	4.09E-01	9.04E-01
8.00E-01	4.94E-01	3.85E-01	8.79E-01
9.00E-01	4.93E-01	3.61E-01	8.55E-01
1.00E+00	4.92E-01	3.37E-01	8.30E-01
2.00E+00	4.84E-01	1.49E-01	6.33E-01
3.00E+00	4.76E-01	5.89E-02	5.35E-01
4.00E+00	4.68E-01	2.23E-02	4.90E-01
5.00E+00	4.60E-01	8.29E-03	4.68E-01
6.00E+00	4.52E-01	3.07E-03	4.55E-01
7.00E+00	4.44E-01	1.13E-03	4.45E-01
8.00E+00	4.36E-01	4.16E-04	4.37E-01
9.00E+00	4.29E-01	1.53E-04	4.29E-01
1.00E+01	4.21E-01	5.64E-05	4.21E-01
2.00E+01	3.54E-01	0.00E+00	3.54E-01
3.00E+01	2.98E-01	0.00E+00	2.98E-01
4.00E+01	2.51E-01	0.00E+00	2.51E-01
5.00E+01	2.11E-01	0.00E+00	2.11E-01
6.00E+01	1.77E-01	0.00E+00	1.77E-01
7.00E+01	1.49E-01	0.00E+00	1.49E-01
8.00E+01	1.25E-01	0.00E+00	1.25E-01
9.00E+01	1.05E-01	0.00E+00	1.05E-01
1.00E+02	8.86E-02	0.00E+00	8.86E-02
2.00E+02	1.57E-02	0.00E+00	1.57E-02
3.00E+02	2.77E-03	0.00E+00	2.77E-03
4.00E+02	4.90E-04	0.00E+00	4.90E-04
5.00E+02	8.67E-05	0.00E+00	8.67E-05
6.00E+02	1.53E-05	0.00E+00	1.53E-05
7.00E+02	2.71E-06	0.00E+00	2.71E-06
8.00E+02	4.79E-07	0.00E+00	4.79E-07
9.00E+02	8.47E-08	0.00E+00	8.47E-08
1.00E+03	1.50E-08	0.00E+00	1.50E-08

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		1.85E-04		5.44E-04
2.00E-01		7.77E-04		4.77E-03
3.00E-01		1.55E-03		1.44E-02
4.00E-01		2.39E-03		2.90E-02
5.00E-01		3.24E-03		4.73E-02
6.00E-01		4.10E-03		6.84E-02
7.00E-01		4.96E-03		9.11E-02
8.00E-01		5.81E-03		1.15E-01
9.00E-01		6.67E-03		1.39E-01
1.00E+00	7.52E-03	7.52E-03	1.63E-01	1.63E-01
2.00E+00	8.46E-03	1.60E-02	1.88E-01	3.51E-01
3.00E+00	8.31E-03	2.43E-02	9.04E-02	4.41E-01
4.00E+00	8.17E-03	3.25E-02	3.66E-02	4.78E-01
5.00E+00	8.03E-03	4.05E-02	1.40E-02	4.92E-01
6.00E+00	7.89E-03	4.84E-02	5.23E-03	4.97E-01
7.00E+00	7.76E-03	5.61E-02	1.94E-03	4.99E-01
8.00E+00	7.62E-03	6.38E-02	7.14E-04	5.00E-01
9.00E+00	7.49E-03	7.13E-02	2.63E-04	5.00E-01
1.00E+01	7.36E-03	7.86E-02	9.68E-05	5.00E-01
2.00E+01	6.19E-03	1.46E-01	0.00E+00	5.00E-01
3.00E+01	5.21E-03	2.02E-01	0.00E+00	5.00E-01
4.00E+01	4.38E-03	2.49E-01	0.00E+00	5.00E-01
5.00E+01	3.68E-03	2.89E-01	0.00E+00	5.00E-01
6.00E+01	3.10E-03	3.23E-01	0.00E+00	5.00E-01
7.00E+01	2.60E-03	3.51E-01	0.00E+00	5.00E-01
8.00E+01	2.19E-03	3.75E-01	0.00E+00	5.00E-01
9.00E+01	1.84E-03	3.95E-01	0.00E+00	5.00E-01
1.00E+02	1.55E-03	4.11E-01	0.00E+00	5.00E-01
2.00E+02	2.74E-04	4.84E-01	0.00E+00	5.00E-01
3.00E+02	4.84E-05	4.97E-01	0.00E+00	5.00E-01
4.00E+02	8.56E-06	5.00E-01	0.00E+00	5.00E-01
5.00E+02	1.51E-06	5.00E-01	0.00E+00	5.00E-01
6.00E+02	2.68E-07	5.00E-01	0.00E+00	5.00E-01
7.00E+02	4.74E-08	5.00E-01	0.00E+00	5.00E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	2.44E-01	7.55E-01	9.99E-01
2.00E-01	4.13E-01	5.82E-01	9.95E-01
3.00E-01	4.72E-01	5.13E-01	9.85E-01
4.00E-01	4.90E-01	4.79E-01	9.70E-01
5.00E-01	4.96E-01	4.55E-01	9.51E-01
6.00E-01	4.97E-01	4.32E-01	9.29E-01
7.00E-01	4.97E-01	4.09E-01	9.06E-01
8.00E-01	4.97E-01	3.85E-01	8.82E-01
9.00E-01	4.96E-01	3.61E-01	8.58E-01
1.00E+00	4.96E-01	3.37E-01	8.33E-01
2.00E+00	4.91E-01	1.49E-01	6.40E-01
3.00E+00	4.87E-01	5.89E-02	5.46E-01
4.00E+00	4.82E-01	2.23E-02	5.05E-01
5.00E+00	4.78E-01	8.29E-03	4.86E-01
6.00E+00	4.74E-01	3.07E-03	4.77E-01
7.00E+00	4.70E-01	1.13E-03	4.71E-01
8.00E+00	4.66E-01	4.16E-04	4.67E-01
9.00E+00	4.62E-01	1.53E-04	4.63E-01
1.00E+01	4.59E-01	5.64E-05	4.59E-01
2.00E+01	4.27E-01	0.00E+00	4.27E-01
3.00E+01	4.03E-01	0.00E+00	4.03E-01
4.00E+01	3.85E-01	0.00E+00	3.85E-01
5.00E+01	3.70E-01	0.00E+00	3.70E-01
6.00E+01	3.58E-01	0.00E+00	3.58E-01
7.00E+01	3.47E-01	0.00E+00	3.47E-01
8.00E+01	3.38E-01	0.00E+00	3.38E-01
9.00E+01	3.31E-01	0.00E+00	3.31E-01
1.00E+02	3.23E-01	0.00E+00	3.23E-01
2.00E+02	2.69E-01	0.00E+00	2.69E-01
3.00E+02	2.26E-01	0.00E+00	2.26E-01
4.00E+02	1.90E-01	0.00E+00	1.90E-01
5.00E+02	1.60E-01	0.00E+00	1.60E-01
6.00E+02	1.35E-01	0.00E+00	1.35E-01
7.00E+02	1.13E-01	0.00E+00	1.13E-01
8.00E+02	9.52E-02	0.00E+00	9.52E-02
9.00E+02	8.01E-02	0.00E+00	8.01E-02
1.00E+03	6.74E-02	0.00E+00	6.74E-02
2.00E+03	1.19E-02	0.00E+00	1.19E-02
3.00E+03	2.12E-03	0.00E+00	2.12E-03
4.00E+03	3.75E-04	0.00E+00	3.75E-04
5.00E+03	6.66E-05	0.00E+00	6.66E-05
6.00E+03	1.18E-05	0.00E+00	1.18E-05
7.00E+03	2.09E-06	0.00E+00	2.09E-06
8.00E+03	3.71E-07	0.00E+00	3.71E-07
9.00E+03	6.57E-08	0.00E+00	6.57E-08
1.00E+04	1.17E-08	0.00E+00	1.17E-08

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	24-HOUR URINE	ACCUMULATED URINE	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		2.58E-05		6.21E-04
2.00E-01		1.08E-04		5.09E-03
3.00E-01		2.16E-04		1.50E-02
4.00E-01		3.32E-04		3.00E-02
5.00E-01		4.50E-04		4.87E-02
6.00E-01		5.68E-04		7.01E-02
7.00E-01		6.87E-04		9.32E-02
8.00E-01		8.05E-04		1.17E-01
9.00E-01		9.23E-04		1.42E-01
1.00E+00	1.04E-03	1.04E-03	1.66E-01	1.66E-01
2.00E+00	1.16E-03	2.20E-03	1.92E-01	3.57E-01
3.00E+00	1.12E-03	3.32E-03	9.37E-02	4.51E-01
4.00E+00	1.09E-03	4.41E-03	3.98E-02	4.91E-01
5.00E+00	1.06E-03	5.47E-03	1.72E-02	5.08E-01
6.00E+00	1.03E-03	6.49E-03	8.31E-03	5.16E-01
7.00E+00	9.97E-04	7.49E-03	4.93E-03	5.21E-01
8.00E+00	9.68E-04	8.46E-03	3.62E-03	5.25E-01
9.00E+00	9.40E-04	9.40E-03	3.08E-03	5.28E-01
1.00E+01	9.14E-04	1.03E-02	2.84E-03	5.31E-01
2.00E+01	6.90E-04	1.82E-02	2.07E-03	5.54E-01
3.00E+01	5.32E-04	2.41E-02	1.60E-03	5.72E-01
4.00E+01	4.19E-04	2.88E-02	1.26E-03	5.86E-01
5.00E+01	3.39E-04	3.25E-02	1.02E-03	5.98E-01
6.00E+01	2.81E-04	3.56E-02	8.43E-04	6.07E-01
7.00E+01	2.40E-04	3.82E-02	7.19E-04	6.14E-01
8.00E+01	2.10E-04	4.04E-02	6.29E-04	6.21E-01
9.00E+01	1.88E-04	4.24E-02	5.63E-04	6.27E-01
1.00E+02	1.71E-04	4.41E-02	5.14E-04	6.32E-01
2.00E+02	1.17E-04	5.77E-02	3.52E-04	6.73E-01
3.00E+02	9.79E-05	6.85E-02	2.94E-04	7.05E-01
4.00E+02	8.24E-05	7.74E-02	2.47E-04	7.32E-01
5.00E+02	6.93E-05	8.50E-02	2.08E-04	7.55E-01
6.00E+02	5.83E-05	9.13E-02	1.75E-04	7.74E-01
7.00E+02	4.90E-05	9.67E-02	1.47E-04	7.90E-01
8.00E+02	4.12E-05	1.01E-01	1.24E-04	8.04E-01
9.00E+02	3.47E-05	1.05E-01	1.04E-04	8.15E-01
1.00E+03	2.92E-05	1.08E-01	8.75E-05	8.24E-01
2.00E+03	5.17E-06	1.22E-01	1.55E-05	8.66E-01
3.00E+03	9.17E-07	1.24E-01	2.75E-06	8.73E-01
4.00E+03	1.63E-07	1.25E-01	4.88E-07	8.75E-01
5.00E+03	2.88E-08	1.25E-01	8.64E-08	8.75E-01

INGESTION

$f_1 = 5.00E-01$

HALFLIFE= 2.44E+02 DAYS

ZINC 65

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	2.44E-01	7.55E-01	9.99E-01
2.00E-01	4.13E-01	5.82E-01	9.94E-01
3.00E-01	4.72E-01	5.12E-01	9.84E-01
4.00E-01	4.90E-01	4.79E-01	9.69E-01
5.00E-01	4.95E-01	4.55E-01	9.50E-01
6.00E-01	4.96E-01	4.32E-01	9.28E-01
7.00E-01	4.96E-01	4.08E-01	9.04E-01
8.00E-01	4.96E-01	3.84E-01	8.80E-01
9.00E-01	4.95E-01	3.60E-01	8.55E-01
1.00E+00	4.94E-01	3.36E-01	8.31E-01
2.00E+00	4.88E-01	1.48E-01	6.37E-01
3.00E+00	4.83E-01	5.84E-02	5.41E-01
4.00E+00	4.77E-01	2.20E-02	4.99E-01
5.00E+00	4.71E-01	8.18E-03	4.80E-01
6.00E+00	4.66E-01	3.01E-03	4.69E-01
7.00E+00	4.61E-01	1.11E-03	4.62E-01
8.00E+00	4.56E-01	4.07E-04	4.56E-01
9.00E+00	4.51E-01	1.49E-04	4.51E-01
1.00E+01	4.46E-01	5.48E-05	4.46E-01
2.00E+01	4.04E-01	0.00E+00	4.04E-01
3.00E+01	3.70E-01	0.00E+00	3.70E-01
4.00E+01	3.43E-01	0.00E+00	3.43E-01
5.00E+01	3.21E-01	0.00E+00	3.21E-01
6.00E+01	3.02E-01	0.00E+00	3.02E-01
7.00E+01	2.85E-01	0.00E+00	2.85E-01
8.00E+01	2.70E-01	0.00E+00	2.70E-01
9.00E+01	2.56E-01	0.00E+00	2.56E-01
1.00E+02	2.43E-01	0.00E+00	2.43E-01
2.00E+02	1.52E-01	0.00E+00	1.52E-01
3.00E+02	9.64E-02	0.00E+00	9.64E-02
4.00E+02	6.10E-02	0.00E+00	6.10E-02
5.00E+02	3.86E-02	0.00E+00	3.86E-02
6.00E+02	2.45E-02	0.00E+00	2.45E-02
7.00E+02	1.55E-02	0.00E+00	1.55E-02
8.00E+02	9.80E-03	0.00E+00	9.80E-03
9.00E+02	6.21E-03	0.00E+00	6.21E-03
1.00E+03	3.93E-03	0.00E+00	3.93E-03
2.00E+03	4.06E-05	0.00E+00	4.06E-05
3.00E+03	4.20E-07	0.00E+00	4.20E-07

INGESTION

$f_1 = 5.00E-01$

HALFLIFE= 2.44E+02 DAYS

ZINC 65

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	24-HOUR URINE	ACCUMULATED URINE	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		2.58E-05		6.21E-04
2.00E-01		1.08E-04		5.09E-03
3.00E-01		2.16E-04		1.50E-02
4.00E-01		3.31E-04		2.99E-02
5.00E-01		4.49E-04		4.86E-02
6.00E-01		5.67E-04		6.99E-02
7.00E-01		6.86E-04		9.30E-02
8.00E-01		8.03E-04		1.17E-01
9.00E-01		9.21E-04		1.41E-01
1.00E+00	1.04E-03	1.04E-03	1.65E-01	1.65E-01
2.00E+00	1.15E-03	2.18E-03	1.91E-01	3.55E-01
3.00E+00	1.11E-03	3.29E-03	9.29E-02	4.47E-01
4.00E+00	1.08E-03	4.36E-03	3.94E-02	4.85E-01
5.00E+00	1.04E-03	5.39E-03	1.69E-02	5.01E-01
6.00E+00	1.01E-03	6.38E-03	8.17E-03	5.08E-01
7.00E+00	9.77E-04	7.34E-03	4.83E-03	5.11E-01
8.00E+00	9.46E-04	8.27E-03	3.54E-03	5.13E-01
9.00E+00	9.17E-04	9.16E-03	3.01E-03	5.15E-01
1.00E+01	8.88E-04	1.00E-02	2.76E-03	5.16E-01
2.00E+01	6.52E-04	1.72E-02	1.96E-03	5.24E-01
3.00E+01	4.88E-04	2.22E-02	1.47E-03	5.26E-01
4.00E+01	3.74E-04	2.57E-02	1.12E-03	5.23E-01
5.00E+01	2.94E-04	2.82E-02	8.81E-04	5.18E-01
6.00E+01	2.37E-04	3.00E-02	7.11E-04	5.12E-01
7.00E+01	1.96E-04	3.13E-02	5.89E-04	5.04E-01
8.00E+01	1.67E-04	3.22E-02	5.01E-04	4.95E-01
9.00E+01	1.45E-04	3.28E-02	4.36E-04	4.86E-01
1.00E+02	1.29E-04	3.32E-02	3.87E-04	4.76E-01
2.00E+02	6.65E-05	3.27E-02	2.00E-04	3.81E-01
3.00E+02	4.18E-05	2.92E-02	1.25E-04	3.01E-01
4.00E+02	2.64E-05	2.48E-02	7.93E-05	2.35E-01
5.00E+02	1.67E-05	2.05E-02	5.02E-05	1.82E-01
6.00E+02	1.06E-05	1.66E-02	3.18E-05	1.41E-01
7.00E+02	6.70E-06	1.32E-02	2.01E-05	1.08E-01
8.00E+02	4.24E-06	1.04E-02	1.27E-05	8.27E-02
9.00E+02	2.69E-06	8.13E-03	8.06E-06	6.31E-02
1.00E+03	1.70E-06	6.31E-03	5.10E-06	4.81E-02
2.00E+03	1.76E-08	4.15E-04	5.28E-08	2.94E-03

INGESTION

$f_1 = 1.00E-03$

STABLE

GALLIUM 69

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	2.96E-04	9.99E-01	9.99E-01
2.00E-01	5.89E-04	9.93E-01	9.94E-01
3.00E-01	7.54E-04	9.80E-01	9.81E-01
4.00E-01	8.37E-04	9.58E-01	9.58E-01
5.00E-01	8.75E-04	9.27E-01	9.28E-01
6.00E-01	8.89E-04	8.91E-01	8.92E-01
7.00E-01	8.90E-04	8.50E-01	8.51E-01
8.00E-01	8.84E-04	8.05E-01	8.06E-01
9.00E-01	8.74E-04	7.59E-01	7.60E-01
1.00E+00	8.64E-04	7.13E-01	7.14E-01
2.00E+00	7.70E-04	3.23E-01	3.24E-01
3.00E+00	7.17E-04	1.29E-01	1.29E-01
4.00E+00	6.86E-04	4.88E-02	4.95E-02
5.00E+00	6.66E-04	1.82E-02	1.89E-02
6.00E+00	6.51E-04	6.74E-03	7.39E-03
7.00E+00	6.40E-04	2.48E-03	3.12E-03
8.00E+00	6.30E-04	9.15E-04	1.54E-03
9.00E+00	6.20E-04	3.37E-04	9.57E-04
1.00E+01	6.12E-04	1.24E-04	7.35E-04
2.00E+01	5.32E-04	0.00E+00	5.32E-04
3.00E+01	4.63E-04	0.00E+00	4.63E-04
4.00E+01	4.03E-04	0.00E+00	4.03E-04
5.00E+01	3.51E-04	0.00E+00	3.51E-04
6.00E+01	3.06E-04	0.00E+00	3.06E-04
7.00E+01	2.66E-04	0.00E+00	2.66E-04
8.00E+01	2.32E-04	0.00E+00	2.32E-04
9.00E+01	2.02E-04	0.00E+00	2.02E-04
1.00E+02	1.76E-04	0.00E+00	1.76E-04
2.00E+02	4.39E-05	0.00E+00	4.39E-05
3.00E+02	1.10E-05	0.00E+00	1.10E-05
4.00E+02	2.75E-06	0.00E+00	2.75E-06
5.00E+02	6.87E-07	0.00E+00	6.87E-07
6.00E+02	1.72E-07	0.00E+00	1.72E-07
7.00E+02	4.29E-08	0.00E+00	4.29E-08
8.00E+02	1.07E-08	0.00E+00	1.07E-08

INGESTION

$f_1 = 1.00E-03$

STABLE

CALLIUM 69

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		2.64E-06		6.10E-04
2.00E-01		1.22E-05		5.90E-03
3.00E-01		2.62E-05		1.93E-02
4.00E-01		4.21E-05		4.16E-02
5.00E-01		5.86E-05		7.17E-02
6.00E-01		7.49E-05		1.08E-01
7.00E-01		9.06E-05		1.49E-01
8.00E-01		1.06E-04		1.94E-01
9.00E-01		1.20E-04		2.40E-01
1.00E+00	1.33E-04	1.33E-04	2.86E-01	2.86E-01
2.00E+00	9.67E-05	2.30E-04	3.89E-01	6.76E-01
3.00E+00	5.31E-05	2.83E-04	1.95E-01	8.70E-01
4.00E+00	3.11E-05	3.14E-04	7.98E-02	9.50E-01
5.00E+00	2.01E-05	3.34E-04	3.06E-02	9.81E-01
6.00E+00	1.45E-05	3.49E-04	1.15E-02	9.92E-01
7.00E+00	1.16E-05	3.60E-04	4.25E-03	9.97E-01
8.00E+00	1.01E-05	3.70E-04	1.57E-03	9.98E-01
9.00E+00	9.33E-06	3.80E-04	5.78E-04	9.99E-01
1.00E+01	8.87E-06	3.88E-04	2.13E-04	9.99E-01
2.00E+01	7.43E-06	4.68E-04	0.00E+00	9.99E-01
3.00E+01	6.46E-06	5.37E-04	0.00E+00	9.99E-01
4.00E+01	5.63E-06	5.97E-04	0.00E+00	9.99E-01
5.00E+01	4.90E-06	6.49E-04	0.00E+00	9.99E-01
6.00E+01	4.27E-06	6.94E-04	0.00E+00	9.99E-01
7.00E+01	3.71E-06	7.34E-04	0.00E+00	9.99E-01
8.00E+01	3.23E-06	7.68E-04	0.00E+00	9.99E-01
9.00E+01	2.81E-06	7.98E-04	0.00E+00	9.99E-01
1.00E+02	2.45E-06	8.24E-04	0.00E+00	9.99E-01
2.00E+02	6.13E-07	9.56E-04	0.00E+00	9.99E-01
3.00E+02	1.53E-07	9.89E-04	0.00E+00	9.99E-01
4.00E+02	3.83E-08	9.97E-04	0.00E+00	9.99E-01

INGESTION

 $f_1 = 1.00E+00$

STABLE

GERMANIUM 73

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	8.11E-01	9.07E-02	9.02E-01
2.00E-01	7.64E-01	8.23E-03	7.72E-01
3.00E-01	6.64E-01	7.48E-04	6.64E-01
4.00E-01	5.77E-01	6.86E-05	5.77E-01
5.00E-01	5.06E-01	7.02E-06	5.06E-01
6.00E-01	4.47E-01	1.38E-06	4.47E-01
7.00E-01	3.98E-01	8.30E-07	3.98E-01
8.00E-01	3.57E-01	7.35E-07	3.57E-01
9.00E-01	3.23E-01	6.83E-07	3.23E-01
1.00E+00	2.93E-01	6.35E-07	2.93E-01
2.00E+00	1.31E-01	2.76E-07	1.31E-01
3.00E+00	6.45E-02	1.08E-07	6.45E-02
4.00E+00	3.22E-02	4.09E-08	3.22E-02
5.00E+00	1.61E-02	1.52E-08	1.61E-02
6.00E+00	8.05E-03	0.00E+00	8.05E-03
7.00E+00	4.03E-03	0.00E+00	4.03E-03
8.00E+00	2.01E-03	0.00E+00	2.01E-03
9.00E+00	1.01E-03	0.00E+00	1.01E-03
1.00E+01	5.04E-04	0.00E+00	5.04E-04
2.00E+01	4.92E-07	0.00E+00	4.92E-07

INGESTION

$f_1 = 1.00E+00$

STABLE

GERMANIUM 73

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		9.84E-02		4.12E-09
2.00E-01		2.28E-01		2.10E-08
3.00E-01		3.36E-01		4.92E-08
4.00E-01		4.23E-01		8.57E-08
5.00E-01		4.94E-01		1.28E-07
6.00E-01		5.53E-01		1.73E-07
7.00E-01		6.02E-01		2.21E-07
8.00E-01		6.43E-01		2.69E-07
9.00E-01		6.77E-01		3.17E-07
1.00E+00	7.07E-01	7.07E-01	3.65E-07	3.65E-07
2.00E+00	1.62E-01	8.69E-01	3.59E-07	7.24E-07
3.00E+00	6.64E-02	9.35E-01	1.68E-07	8.92E-07
4.00E+00	3.23E-02	9.68E-01	6.74E-08	9.59E-07
5.00E+00	1.61E-02	9.84E-01	2.57E-08	9.85E-07
6.00E+00	8.05E-03	9.92E-01	0.00E+00	9.94E-07
7.00E+00	4.03E-03	9.96E-01	0.00E+00	9.98E-07
8.00E+00	2.01E-03	9.98E-01	0.00E+00	9.99E-07
9.00E+00	1.01E-03	9.99E-01	0.00E+00	1.00E-06
1.00E+01	5.03E-04	9.99E-01	0.00E+00	1.00E-06
2.00E+01	4.92E-07	1.00E+00	0.00E+00	1.00E-06

INGESTION

 $f_1 = 5.00E-01$

STABLE

ARSENIC 75

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	2.32E-01	7.55E-01	9.88E-01
2.00E-01	3.68E-01	5.82E-01	9.50E-01
3.00E-01	3.90E-01	5.13E-01	9.02E-01
4.00E-01	3.75E-01	4.79E-01	8.54E-01
5.00E-01	3.52E-01	4.55E-01	8.07E-01
6.00E-01	3.30E-01	4.32E-01	7.63E-01
7.00E-01	3.12E-01	4.09E-01	7.21E-01
8.00E-01	2.96E-01	3.85E-01	6.81E-01
9.00E-01	2.82E-01	3.61E-01	6.43E-01
1.00E+00	2.71E-01	3.37E-01	6.08E-01
2.00E+00	2.08E-01	1.49E-01	3.57E-01
3.00E+00	1.78E-01	5.89E-02	2.36E-01
4.00E+00	1.58E-01	2.23E-02	1.80E-01
5.00E+00	1.44E-01	8.29E-03	1.52E-01
6.00E+00	1.32E-01	3.07E-03	1.35E-01
7.00E+00	1.22E-01	1.13E-03	1.23E-01
8.00E+00	1.14E-01	4.16E-04	1.14E-01
9.00E+00	1.06E-01	1.53E-04	1.06E-01
1.00E+01	9.85E-02	5.64E-05	9.86E-02
2.00E+01	4.92E-02	0.00E+00	4.92E-02
3.00E+01	2.46E-02	0.00E+00	2.46E-02
4.00E+01	1.23E-02	0.00E+00	1.23E-02
5.00E+01	6.15E-03	0.00E+00	6.15E-03
6.00E+01	3.08E-03	0.00E+00	3.08E-03
7.00E+01	1.54E-03	0.00E+00	1.54E-03
8.00E+01	7.69E-04	0.00E+00	7.69E-04
9.00E+01	3.85E-04	0.00E+00	3.85E-04
1.00E+02	1.92E-04	0.00E+00	1.92E-04
2.00E+02	1.88E-07	0.00E+00	1.88E-07

INGESTION

$f_1 = 5.00E-01$

STABLE

ARSENIC 75

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		1.18E-02		5.44E-04
2.00E-01		4.55E-02		4.77E-03
3.00E-01		8.33E-02		1.44E-02
4.00E-01		1.17E-01		2.90E-02
5.00E-01		1.45E-01		4.73E-02
6.00E-01		1.69E-01		6.84E-02
7.00E-01		1.88E-01		9.11E-02
8.00E-01		2.04E-01		1.15E-01
9.00E-01		2.18E-01		1.39E-01
1.00E+00	2.29E-01	2.29E-01	1.63E-01	1.63E-01
2.00E+00	6.29E-02	2.92E-01	1.88E-01	3.51E-01
3.00E+00	3.02E-02	3.22E-01	9.04E-02	4.41E-01
4.00E+00	1.96E-02	3.42E-01	3.66E-02	4.78E-01
5.00E+00	1.44E-02	3.56E-01	1.40E-02	4.92E-01
6.00E+00	1.15E-02	3.68E-01	5.23E-03	4.97E-01
7.00E+00	9.80E-03	3.78E-01	1.94E-03	4.99E-01
8.00E+00	8.66E-03	3.86E-01	7.14E-04	5.00E-01
9.00E+00	7.84E-03	3.94E-01	2.63E-04	5.00E-01
1.00E+01	7.20E-03	4.01E-01	9.68E-05	5.00E-01
2.00E+01	3.53E-03	4.51E-01	0.00E+00	5.00E-01
3.00E+01	1.77E-03	4.75E-01	0.00E+00	5.00E-01
4.00E+01	8.83E-04	4.88E-01	0.00E+00	5.00E-01
5.00E+01	4.41E-04	4.94E-01	0.00E+00	5.00E-01
6.00E+01	2.21E-04	4.97E-01	0.00E+00	5.00E-01
7.00E+01	1.10E-04	4.98E-01	0.00E+00	5.00E-01
8.00E+01	5.52E-05	4.99E-01	0.00E+00	5.00E-01
9.00E+01	2.76E-05	5.00E-01	0.00E+00	5.00E-01
1.00E+02	1.38E-05	5.00E-01	0.00E+00	5.00E-01
2.00E+02	1.35E-08	5.00E-01	0.00E+00	5.00E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	5.95E-01	4.03E-01	9.99E-01
2.00E-01	7.72E-01	2.22E-01	9.94E-01
3.00E-01	7.91E-01	1.95E-01	9.86E-01
4.00E-01	7.91E-01	1.86E-01	9.77E-01
5.00E-01	7.89E-01	1.77E-01	9.66E-01
6.00E-01	7.86E-01	1.68E-01	9.54E-01
7.00E-01	7.84E-01	1.59E-01	9.42E-01
8.00E-01	7.81E-01	1.49E-01	9.30E-01
9.00E-01	7.79E-01	1.40E-01	9.18E-01
1.00E+00	7.76E-01	1.30E-01	9.06E-01
2.00E+00	7.54E-01	5.70E-02	8.11E-01
3.00E+00	7.34E-01	2.24E-02	7.57E-01
4.00E+00	7.17E-01	8.46E-03	7.26E-01
5.00E+00	7.02E-01	3.15E-03	7.05E-01
6.00E+00	6.89E-01	1.16E-03	6.90E-01
7.00E+00	6.76E-01	4.29E-04	6.77E-01
8.00E+00	6.65E-01	1.58E-04	6.65E-01
9.00E+00	6.54E-01	5.81E-05	6.54E-01
1.00E+01	6.45E-01	2.14E-05	6.45E-01
2.00E+01	5.68E-01	0.00E+00	5.68E-01
3.00E+01	5.09E-01	0.00E+00	5.09E-01
4.00E+01	4.60E-01	0.00E+00	4.60E-01
5.00E+01	4.19E-01	0.00E+00	4.19E-01
6.00E+01	3.83E-01	0.00E+00	3.83E-01
7.00E+01	3.53E-01	0.00E+00	3.53E-01
8.00E+01	3.27E-01	0.00E+00	3.27E-01
9.00E+01	3.04E-01	0.00E+00	3.04E-01
1.00E+02	2.84E-01	0.00E+00	2.84E-01
2.00E+02	1.62E-01	0.00E+00	1.62E-01
3.00E+02	1.00E-01	0.00E+00	1.00E-01
4.00E+02	6.31E-02	0.00E+00	6.31E-02
5.00E+02	3.97E-02	0.00E+00	3.97E-02
6.00E+02	2.50E-02	0.00E+00	2.50E-02
7.00E+02	1.58E-02	0.00E+00	1.58E-02
8.00E+02	9.93E-03	0.00E+00	9.93E-03
9.00E+02	6.26E-03	0.00E+00	6.26E-03
1.00E+03	3.94E-03	0.00E+00	3.94E-03
2.00E+03	3.88E-05	0.00E+00	3.88E-05
3.00E+03	3.83E-07	0.00E+00	3.83E-07

INGESTION

$f_1 = 8.00E-01$

STABLE

SELENIUM 78

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		1.03E-03		4.05E-04
2.00E-01		3.46E-03		2.93E-03
3.00E-01		6.12E-03		7.86E-03
4.00E-01		8.77E-03		1.46E-02
5.00E-01		1.14E-02		2.27E-02
6.00E-01		1.40E-02		3.16E-02
7.00E-01		1.65E-02		4.10E-02
8.00E-01		1.90E-02		5.07E-02
9.00E-01		2.14E-02		6.03E-02
1.00E+00	2.39E-02	2.39E-02	6.98E-02	6.98E-02
2.00E+00	2.23E-02	4.62E-02	7.33E-02	1.43E-01
3.00E+00	1.94E-02	6.56E-02	3.46E-02	1.78E-01
4.00E+00	1.70E-02	8.26E-02	1.39E-02	1.92E-01
5.00E+00	1.51E-02	9.78E-02	5.31E-03	1.97E-01
6.00E+00	1.36E-02	1.11E-01	1.98E-03	1.99E-01
7.00E+00	1.24E-02	1.24E-01	7.35E-04	2.00E-01
8.00E+00	1.13E-02	1.35E-01	2.71E-04	2.00E-01
9.00E+00	1.05E-02	1.46E-01	9.98E-05	2.00E-01
1.00E+01	9.81E-03	1.55E-01	3.67E-05	2.00E-01
2.00E+01	6.62E-03	2.32E-01	0.00E+00	2.00E-01
3.00E+01	5.38E-03	2.91E-01	0.00E+00	2.00E-01
4.00E+01	4.52E-03	3.40E-01	0.00E+00	2.00E-01
5.00E+01	3.83E-03	3.81E-01	0.00E+00	2.00E-01
6.00E+01	3.28E-03	4.17E-01	0.00E+00	2.00E-01
7.00E+01	2.83E-03	4.47E-01	0.00E+00	2.00E-01
8.00E+01	2.46E-03	4.73E-01	0.00E+00	2.00E-01
9.00E+01	2.16E-03	4.96E-01	0.00E+00	2.00E-01
1.00E+02	1.91E-03	5.16E-01	0.00E+00	2.00E-01
2.00E+02	8.09E-04	6.38E-01	0.00E+00	2.00E-01
3.00E+02	4.71E-04	7.00E-01	0.00E+00	2.00E-01
4.00E+02	2.93E-04	7.37E-01	0.00E+00	2.00E-01
5.00E+02	1.84E-04	7.60E-01	0.00E+00	2.00E-01
6.00E+02	1.16E-04	7.75E-01	0.00E+00	2.00E-01
7.00E+02	7.30E-05	7.84E-01	0.00E+00	2.00E-01
8.00E+02	4.60E-05	7.90E-01	0.00E+00	2.00E-01
9.00E+02	2.90E-05	7.94E-01	0.00E+00	2.00E-01
1.00E+03	1.83E-05	7.96E-01	0.00E+00	2.00E-01
2.00E+03	1.80E-07	8.00E-01	0.00E+00	2.00E-01

INGESTION

 $f_1 = 1.00E+00$

STABLE

BROMINE 79

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	9.05E-01	9.07E-02	9.96E-01
2.00E-01	9.81E-01	8.23E-03	9.89E-01
3.00E-01	9.82E-01	7.48E-04	9.82E-01
4.00E-01	9.75E-01	6.86E-05	9.75E-01
5.00E-01	9.69E-01	7.02E-06	9.69E-01
6.00E-01	9.62E-01	1.38E-06	9.62E-01
7.00E-01	9.55E-01	8.30E-07	9.55E-01
8.00E-01	9.49E-01	7.35E-07	9.49E-01
9.00E-01	9.42E-01	6.83E-07	9.42E-01
1.00E+00	9.36E-01	6.35E-07	9.36E-01
2.00E+00	8.73E-01	2.76E-07	8.73E-01
3.00E+00	8.15E-01	1.08E-07	8.15E-01
4.00E+00	7.60E-01	4.09E-08	7.60E-01
5.00E+00	7.09E-01	1.52E-08	7.09E-01
6.00E+00	6.62E-01	0.00E+00	6.62E-01
7.00E+00	6.17E-01	0.00E+00	6.17E-01
8.00E+00	5.76E-01	0.00E+00	5.76E-01
9.00E+00	5.38E-01	0.00E+00	5.38E-01
1.00E+01	5.02E-01	0.00E+00	5.02E-01
2.00E+01	2.51E-01	0.00E+00	2.51E-01
3.00E+01	1.25E-01	0.00E+00	1.25E-01
4.00E+01	6.27E-02	0.00E+00	6.27E-02
5.00E+01	3.14E-02	0.00E+00	3.14E-02
6.00E+01	1.57E-02	0.00E+00	1.57E-02
7.00E+01	7.84E-03	0.00E+00	7.84E-03
8.00E+01	3.92E-03	0.00E+00	3.92E-03
9.00E+01	1.96E-03	0.00E+00	1.96E-03
1.00E+02	9.81E-04	0.00E+00	9.81E-04
2.00E+02	9.59E-07	0.00E+00	9.59E-07

INGESTION

$f_1 = 1.00E+00$

STABLE

BROMINE 79

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		4.29E-03		4.12E-09
2.00E-01		1.09E-02		2.10E-08
3.00E-01		1.77E-02		4.92E-08
4.00E-01		2.45E-02		8.57E-08
5.00E-01		3.13E-02		1.28E-07
6.00E-01		3.79E-02		1.73E-07
7.00E-01		4.46E-02		2.21E-07
8.00E-01		5.12E-02		2.69E-07
9.00E-01		5.77E-02		3.17E-07
1.00E+00	6.43E-02	6.43E-02	3.65E-07	3.65E-07
2.00E+00	6.27E-02	1.27E-01	3.59E-07	7.24E-07
3.00E+00	5.85E-02	1.85E-01	1.68E-07	8.92E-07
4.00E+00	5.45E-02	2.40E-01	6.74E-08	9.59E-07
5.00E+00	5.09E-02	2.91E-01	2.57E-08	9.85E-07
6.00E+00	4.75E-02	3.38E-01	0.00E+00	9.94E-07
7.00E+00	4.43E-02	3.83E-01	0.00E+00	9.98E-07
8.00E+00	4.13E-02	4.24E-01	0.00E+00	9.99E-07
9.00E+00	3.86E-02	4.62E-01	0.00E+00	1.00E-06
1.00E+01	3.60E-02	4.98E-01	0.00E+00	1.00E-06
2.00E+01	1.80E-02	7.49E-01	0.00E+00	1.00E-06
3.00E+01	9.00E-03	8.75E-01	0.00E+00	1.00E-06
4.00E+01	4.50E-03	9.37E-01	0.00E+00	1.00E-06
5.00E+01	2.25E-03	9.69E-01	0.00E+00	1.00E-06
6.00E+01	1.13E-03	9.84E-01	0.00E+00	1.00E-06
7.00E+01	5.63E-04	9.92E-01	0.00E+00	1.00E-06
8.00E+01	2.81E-04	9.96E-01	0.00E+00	1.00E-06
9.00E+01	1.41E-04	9.98E-01	0.00E+00	1.00E-06
1.00E+02	7.04E-05	9.99E-01	0.00E+00	1.00E-06
2.00E+02	6.88E-08	1.00E+00	0.00E+00	1.00E-06

INGESTION

$f_1 = 1.00E+00$

HALFLIFE= 1.47E+00 DAYS

BROMINE 82

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	8.63E-01	8.65E-02	9.50E-01
2.00E-01	8.93E-01	7.49E-03	9.00E-01
3.00E-01	8.52E-01	6.49E-04	8.53E-01
4.00E-01	8.08E-01	5.68E-05	8.08E-01
5.00E-01	7.65E-01	5.54E-06	7.65E-01
6.00E-01	7.25E-01	1.04E-06	7.25E-01
7.00E-01	6.87E-01	5.96E-07	6.87E-01
8.00E-01	6.51E-01	5.04E-07	6.51E-01
9.00E-01	6.16E-01	4.47E-07	6.16E-01
1.00E+00	5.84E-01	3.97E-07	5.84E-01
2.00E+00	3.40E-01	1.08E-07	3.40E-01
3.00E+00	1.98E-01	2.63E-08	1.98E-01
4.00E+00	1.15E-01	0.00E+00	1.15E-01
5.00E+00	6.71E-02	0.00E+00	6.71E-02
6.00E+00	3.91E-02	0.00E+00	3.91E-02
7.00E+00	2.28E-02	0.00E+00	2.28E-02
8.00E+00	1.33E-02	0.00E+00	1.33E-02
9.00E+00	7.72E-03	0.00E+00	7.72E-03
1.00E+01	4.49E-03	0.00E+00	4.49E-03
2.00E+01	2.01E-05	0.00E+00	2.01E-05
3.00E+01	9.01E-08	0.00E+00	9.01E-08

INGESTION

$f_1 = 1.00E+00$

HALFLIFE= 1.47E+00 DAYS

BROMINE 82

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		4.10E-03		3.93E-09
2.00E-01		9.95E-03		1.91E-08
3.00E-01		1.54E-02		4.27E-08
4.00E-01		2.03E-02		7.10E-08
5.00E-01		2.47E-02		1.01E-07
6.00E-01		2.86E-02		1.31E-07
7.00E-01		3.21E-02		1.59E-07
8.00E-01		3.51E-02		1.85E-07
9.00E-01		3.78E-02		2.08E-07
1.00E+00	4.01E-02	4.01E-02	2.27E-07	2.27E-07
2.00E+00	2.44E-02	4.94E-02	1.40E-07	2.82E-07
3.00E+00	1.42E-02	4.50E-02	4.08E-08	2.17E-07
4.00E+00	8.27E-03	3.64E-02	1.02E-08	1.45E-07
5.00E+00	4.82E-03	2.75E-02	0.00E+00	9.32E-08
6.00E+00	2.80E-03	2.00E-02	0.00E+00	5.87E-08
7.00E+00	1.63E-03	1.41E-02	0.00E+00	3.68E-08
8.00E+00	9.51E-04	9.75E-03	0.00E+00	2.30E-08
9.00E+00	5.54E-04	6.64E-03	0.00E+00	1.43E-08
1.00E+01	3.22E-04	4.47E-03	0.00E+00	8.96E-09
2.00E+01	1.44E-06	6.01E-05	0.00E+00	8.02E-11

INGESTION

 $f_1 = 1.00E+00$

STABLE

RUBIDIUM 85

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	9.08E-01	9.07E-02	9.99E-01
2.00E-01	9.89E-01	8.23E-03	9.98E-01
3.00E-01	9.95E-01	7.48E-04	9.96E-01
4.00E-01	9.94E-01	6.86E-05	9.94E-01
5.00E-01	9.93E-01	7.02E-06	9.93E-01
6.00E-01	9.91E-01	1.38E-06	9.91E-01
7.00E-01	9.90E-01	8.30E-07	9.90E-01
8.00E-01	9.88E-01	7.35E-07	9.88E-01
9.00E-01	9.87E-01	6.83E-07	9.87E-01
1.00E+00	9.85E-01	6.35E-07	9.85E-01
2.00E+00	9.70E-01	2.76E-07	9.70E-01
3.00E+00	9.54E-01	1.08E-07	9.54E-01
4.00E+00	9.40E-01	4.09E-08	9.40E-01
5.00E+00	9.25E-01	1.52E-08	9.25E-01
6.00E+00	9.10E-01	0.00E+00	9.10E-01
7.00E+00	8.96E-01	0.00E+00	8.96E-01
8.00E+00	8.82E-01	0.00E+00	8.82E-01
9.00E+00	8.68E-01	0.00E+00	8.68E-01
1.00E+01	8.55E-01	0.00E+00	8.55E-01
2.00E+01	7.30E-01	0.00E+00	7.30E-01
3.00E+01	6.24E-01	0.00E+00	6.24E-01
4.00E+01	5.33E-01	0.00E+00	5.33E-01
5.00E+01	4.55E-01	0.00E+00	4.55E-01
6.00E+01	3.89E-01	0.00E+00	3.89E-01
7.00E+01	3.32E-01	0.00E+00	3.32E-01
8.00E+01	2.84E-01	0.00E+00	2.84E-01
9.00E+01	2.42E-01	0.00E+00	2.42E-01
1.00E+02	2.07E-01	0.00E+00	2.07E-01
2.00E+02	4.29E-02	0.00E+00	4.29E-02
3.00E+02	8.88E-03	0.00E+00	8.88E-03
4.00E+02	1.84E-03	0.00E+00	1.84E-03
5.00E+02	3.80E-04	0.00E+00	3.80E-04
6.00E+02	7.87E-05	0.00E+00	7.87E-05
7.00E+02	1.63E-05	0.00E+00	1.63E-05
8.00E+02	3.37E-06	0.00E+00	3.37E-06
9.00E+02	6.98E-07	0.00E+00	6.98E-07
1.00E+03	1.45E-07	0.00E+00	1.45E-07

INGESTION

$f_1 = 1.00E+00$

STABLE

RUBIDIUM 85

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	24-HOUR URINE	ACCUMULATED URINE	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		7.33E-04		2.44E-04
2.00E-01		1.87E-03		6.24E-04
3.00E-01		3.05E-03		1.02E-03
4.00E-01		4.22E-03		1.41E-03
5.00E-01		5.39E-03		1.80E-03
6.00E-01		6.57E-03		2.19E-03
7.00E-01		7.74E-03		2.58E-03
8.00E-01		8.90E-03		2.97E-03
9.00E-01		1.01E-02		3.36E-03
1.00E+00	1.12E-02	1.12E-02	3.75E-03	3.75E-03
2.00E+00	1.15E-02	2.28E-02	3.85E-03	7.59E-03
3.00E+00	1.14E-02	3.41E-02	3.79E-03	1.14E-02
4.00E+00	1.12E-02	4.53E-02	3.73E-03	1.51E-02
5.00E+00	1.10E-02	5.63E-02	3.67E-03	1.88E-02
6.00E+00	1.08E-02	6.72E-02	3.61E-03	2.24E-02
7.00E+00	1.07E-02	7.79E-02	3.56E-03	2.60E-02
8.00E+00	1.05E-02	8.84E-02	3.50E-03	2.95E-02
9.00E+00	1.03E-02	9.87E-02	3.45E-03	3.29E-02
1.00E+01	1.02E-02	1.09E-01	3.39E-03	3.63E-02
2.00E+01	8.69E-03	2.02E-01	2.90E-03	6.74E-02
3.00E+01	7.43E-03	2.82E-01	2.48E-03	9.40E-02
4.00E+01	6.35E-03	3.50E-01	2.12E-03	1.17E-01
5.00E+01	5.42E-03	4.09E-01	1.81E-03	1.36E-01
6.00E+01	4.63E-03	4.58E-01	1.54E-03	1.53E-01
7.00E+01	3.96E-03	5.01E-01	1.32E-03	1.67E-01
8.00E+01	3.38E-03	5.37E-01	1.13E-03	1.79E-01
9.00E+01	2.89E-03	5.68E-01	9.62E-04	1.89E-01
1.00E+02	2.47E-03	5.95E-01	8.22E-04	1.98E-01
2.00E+02	5.11E-04	7.18E-01	1.70E-04	2.39E-01
3.00E+02	1.06E-04	7.43E-01	3.52E-05	2.48E-01
4.00E+02	2.19E-05	7.49E-01	7.29E-06	2.50E-01
5.00E+02	4.53E-06	7.50E-01	1.51E-06	2.50E-01
6.00E+02	9.37E-07	7.50E-01	3.12E-07	2.50E-01
7.00E+02	1.94E-07	7.50E-01	6.47E-08	2.50E-01
8.00E+02	4.02E-08	7.50E-01	1.34E-08	2.50E-01

INGESTION

$f_1 = 3.00E-01$

HALFLIFE= 6.48E+01 DAYS

STRONTIUM 85

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	1.07E-01	8.81E-01	9.89E-01
2.00E-01	1.90E-01	7.76E-01	9.66E-01
3.00E-01	2.26E-01	7.16E-01	9.42E-01
4.00E-01	2.39E-01	6.77E-01	9.16E-01
5.00E-01	2.42E-01	6.44E-01	8.86E-01
6.00E-01	2.41E-01	6.12E-01	8.53E-01
7.00E-01	2.38E-01	5.79E-01	8.18E-01
8.00E-01	2.35E-01	5.46E-01	7.81E-01
9.00E-01	2.32E-01	5.12E-01	7.44E-01
1.00E+00	2.29E-01	4.78E-01	7.07E-01
2.00E+00	1.98E-01	2.11E-01	4.10E-01
3.00E+00	1.74E-01	8.26E-02	2.57E-01
4.00E+00	1.55E-01	3.10E-02	1.86E-01
5.00E+00	1.38E-01	1.14E-02	1.50E-01
6.00E+00	1.25E-01	4.18E-03	1.29E-01
7.00E+00	1.14E-01	1.52E-03	1.15E-01
8.00E+00	1.04E-01	5.55E-04	1.05E-01
9.00E+00	9.59E-02	2.02E-04	9.61E-02
1.00E+01	8.89E-02	7.36E-05	8.90E-02
2.00E+01	5.48E-02	0.00E+00	5.48E-02
3.00E+01	4.39E-02	0.00E+00	4.39E-02
4.00E+01	3.78E-02	0.00E+00	3.78E-02
5.00E+01	3.31E-02	0.00E+00	3.31E-02
6.00E+01	2.91E-02	0.00E+00	2.91E-02
7.00E+01	2.57E-02	0.00E+00	2.57E-02
8.00E+01	2.26E-02	0.00E+00	2.26E-02
9.00E+01	2.00E-02	0.00E+00	2.00E-02
1.00E+02	1.77E-02	0.00E+00	1.77E-02
2.00E+02	5.30E-03	0.00E+00	5.30E-03
3.00E+02	1.65E-03	0.00E+00	1.65E-03
4.00E+02	5.26E-04	0.00E+00	5.26E-04
5.00E+02	1.70E-04	0.00E+00	1.70E-04
6.00E+02	5.55E-05	0.00E+00	5.55E-05
7.00E+02	1.83E-05	0.00E+00	1.83E-05
8.00E+02	6.04E-06	0.00E+00	6.04E-06
9.00E+02	2.01E-06	0.00E+00	2.01E-06
1.00E+03	6.68E-07	0.00E+00	6.68E-07

INGESTION

 $f_1 = 3.00E-01$

HALFLIFE= 6.48E+01 DAYS

STRONTIUM 85

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	24-HOUR URINE	ACCUMULATED URINE	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		8.15E-03		2.02E-03
2.00E-01		2.24E-02		9.31E-03
3.00E-01		3.22E-02		2.25E-02
4.00E-01		3.84E-02		4.18E-02
5.00E-01		4.28E-02		6.62E-02
6.00E-01		4.63E-02		9.45E-02
7.00E-01		4.95E-02		1.26E-01
8.00E-01		5.24E-02		1.58E-01
9.00E-01		5.52E-02		1.91E-01
1.00E+00	5.79E-02	5.79E-02	2.24E-01	2.24E-01
2.00E+00	2.37E-02	8.10E-02	2.66E-01	4.88E-01
3.00E+00	1.87E-02	9.89E-02	1.30E-01	6.13E-01
4.00E+00	1.51E-02	1.13E-01	5.34E-02	6.60E-01
5.00E+00	1.24E-02	1.24E-01	2.14E-02	6.74E-01
6.00E+00	1.02E-02	1.33E-01	8.92E-03	6.76E-01
7.00E+00	8.50E-03	1.40E-01	4.11E-03	6.73E-01
8.00E+00	7.11E-03	1.46E-01	2.21E-03	6.68E-01
9.00E+00	5.98E-03	1.50E-01	1.40E-03	6.62E-01
1.00E+01	5.04E-03	1.54E-01	1.02E-03	6.56E-01
2.00E+01	9.94E-04	1.59E-01	1.75E-04	5.93E-01
3.00E+01	2.48E-04	1.48E-01	4.38E-05	5.34E-01
4.00E+01	1.01E-04	1.34E-01	1.77E-05	4.80E-01
5.00E+01	6.44E-05	1.21E-01	1.14E-05	4.32E-01
6.00E+01	5.03E-05	1.10E-01	8.88E-06	3.88E-01
7.00E+01	4.15E-05	9.88E-02	7.33E-06	3.49E-01
8.00E+01	3.48E-05	8.92E-02	6.14E-06	3.13E-01
9.00E+01	2.93E-05	8.04E-02	5.17E-06	2.82E-01
1.00E+02	2.47E-05	7.25E-02	4.36E-06	2.53E-01
2.00E+02	5.03E-06	2.56E-02	8.88E-07	8.70E-02
3.00E+02	1.18E-06	8.92E-03	2.08E-07	2.99E-02
4.00E+02	3.00E-07	3.10E-03	5.30E-08	1.03E-02
5.00E+02	8.00E-08	1.07E-03	1.41E-08	3.53E-03
6.00E+02	2.20E-08	3.71E-04	0.00E+00	1.21E-03

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	1.07E-01	8.82E-01	9.90E-01
2.00E-01	1.91E-01	7.77E-01	9.68E-01
3.00E-01	2.26E-01	7.19E-01	9.45E-01
4.00E-01	2.40E-01	6.80E-01	9.19E-01
5.00E-01	2.43E-01	6.47E-01	8.90E-01
6.00E-01	2.42E-01	6.16E-01	8.58E-01
7.00E-01	2.40E-01	5.83E-01	8.24E-01
8.00E-01	2.37E-01	5.50E-01	7.88E-01
9.00E-01	2.34E-01	5.17E-01	7.51E-01
1.00E+00	2.31E-01	4.84E-01	7.15E-01
2.00E+00	2.03E-01	2.16E-01	4.18E-01
3.00E+00	1.80E-01	8.53E-02	2.65E-01
4.00E+00	1.61E-01	3.23E-02	1.94E-01
5.00E+00	1.46E-01	1.20E-02	1.58E-01
6.00E+00	1.33E-01	4.45E-03	1.38E-01
7.00E+00	1.22E-01	1.64E-03	1.24E-01
8.00E+00	1.13E-01	6.05E-04	1.14E-01
9.00E+00	1.06E-01	2.23E-04	1.06E-01
1.00E+01	9.90E-02	8.19E-05	9.91E-02
2.00E+01	6.79E-02	0.00E+00	6.79E-02
3.00E+01	6.05E-02	0.00E+00	6.05E-02
4.00E+01	5.80E-02	0.00E+00	5.80E-02
5.00E+01	5.65E-02	0.00E+00	5.65E-02
6.00E+01	5.53E-02	0.00E+00	5.53E-02
7.00E+01	5.42E-02	0.00E+00	5.42E-02
8.00E+01	5.32E-02	0.00E+00	5.32E-02
9.00E+01	5.23E-02	0.00E+00	5.23E-02
1.00E+02	5.14E-02	0.00E+00	5.14E-02
2.00E+02	4.50E-02	0.00E+00	4.50E-02
3.00E+02	4.08E-02	0.00E+00	4.08E-02
4.00E+02	3.79E-02	0.00E+00	3.79E-02
5.00E+02	3.56E-02	0.00E+00	3.56E-02
6.00E+02	3.39E-02	0.00E+00	3.39E-02
7.00E+02	3.24E-02	0.00E+00	3.24E-02
8.00E+02	3.13E-02	0.00E+00	3.13E-02
9.00E+02	3.02E-02	0.00E+00	3.02E-02
1.00E+03	2.94E-02	0.00E+00	2.94E-02
2.00E+03	2.36E-02	0.00E+00	2.36E-02
3.00E+03	1.97E-02	0.00E+00	1.97E-02
4.00E+03	1.68E-02	0.00E+00	1.68E-02
5.00E+03	1.46E-02	0.00E+00	1.46E-02
7.00E+03	1.13E-02	0.00E+00	1.13E-02
8.00E+03	1.01E-02	0.00E+00	1.01E-02
9.00E+03	9.08E-03	0.00E+00	9.08E-03
1.00E+04	8.21E-03	0.00E+00	8.21E-03
2.00E+04	3.36E-03	0.00E+00	3.36E-03

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	24-HOUR URINE	ACCUMULATED URINE	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		8.15E-03		2.02E-03
2.00E-01		2.25E-02		9.33E-03
3.00E-01		3.23E-02		2.26E-02
4.00E-01		3.85E-02		4.20E-02
5.00E-01		4.30E-02		6.66E-02
6.00E-01		4.66E-02		9.52E-02
7.00E-01		4.98E-02		1.26E-01
8.00E-01		5.28E-02		1.59E-01
9.00E-01		5.57E-02		1.93E-01
1.00E+00	5.85E-02	5.85E-02	2.27E-01	2.27E-01
2.00E+00	2.43E-02	8.27E-02	2.72E-01	4.99E-01
3.00E+00	1.94E-02	1.02E-01	1.34E-01	6.33E-01
4.00E+00	1.58E-02	1.18E-01	5.58E-02	6.88E-01
5.00E+00	1.30E-02	1.31E-01	2.26E-02	7.11E-01
6.00E+00	1.09E-02	1.42E-01	9.51E-03	7.21E-01
7.00E+00	9.16E-03	1.51E-01	4.43E-03	7.25E-01
8.00E+00	7.75E-03	1.59E-01	2.41E-03	7.27E-01
9.00E+00	6.58E-03	1.65E-01	1.54E-03	7.29E-01
1.00E+01	5.61E-03	1.71E-01	1.13E-03	7.30E-01
2.00E+01	1.23E-03	1.97E-01	2.17E-04	7.35E-01
3.00E+01	3.42E-04	2.04E-01	6.03E-05	7.36E-01
4.00E+01	1.54E-04	2.06E-01	2.72E-05	7.36E-01
5.00E+01	1.10E-04	2.07E-01	1.94E-05	7.37E-01
6.00E+01	9.56E-05	2.08E-01	1.69E-05	7.37E-01
7.00E+01	8.78E-05	2.09E-01	1.55E-05	7.37E-01
8.00E+01	8.18E-05	2.10E-01	1.44E-05	7.37E-01
9.00E+01	7.66E-05	2.11E-01	1.35E-05	7.37E-01
1.00E+02	7.20E-05	2.11E-01	1.27E-05	7.37E-01
2.00E+02	4.27E-05	2.17E-01	7.53E-06	7.38E-01
3.00E+02	2.92E-05	2.20E-01	5.15E-06	7.39E-01
4.00E+02	2.16E-05	2.23E-01	3.81E-06	7.39E-01
5.00E+02	1.68E-05	2.25E-01	2.96E-06	7.40E-01
6.00E+02	1.34E-05	2.26E-01	2.37E-06	7.40E-01
7.00E+02	1.10E-05	2.27E-01	1.95E-06	7.40E-01
8.00E+02	9.31E-06	2.28E-01	1.64E-06	7.40E-01
9.00E+02	8.02E-06	2.29E-01	1.41E-06	7.40E-01
1.00E+03	7.05E-06	2.30E-01	1.24E-06	7.41E-01
2.00E+03	3.79E-06	2.35E-01	6.68E-07	7.41E-01
3.00E+03	2.81E-06	2.38E-01	4.96E-07	7.42E-01
4.00E+03	2.17E-06	2.41E-01	3.83E-07	7.42E-01
5.00E+03	1.71E-06	2.43E-01	3.01E-07	7.43E-01
7.00E+03	1.13E-06	2.45E-01	1.99E-07	7.43E-01
8.00E+03	9.41E-07	2.46E-01	1.66E-07	7.43E-01
9.00E+03	8.00E-07	2.47E-01	1.41E-07	7.44E-01
1.00E+04	6.91E-07	2.48E-01	1.22E-07	7.44E-01
2.00E+04	2.43E-07	2.52E-01	4.30E-08	7.44E-01

INGESTION

 $f_1 = 3.00E-01$

HALFLIFE= 1.06E+04 DAYS

STRONTIUM 90

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	1.07E-01	8.82E-01	9.90E-01
2.00E-01	1.91E-01	7.77E-01	9.68E-01
3.00E-01	2.26E-01	7.19E-01	9.45E-01
4.00E-01	2.40E-01	6.80E-01	9.19E-01
5.00E-01	2.43E-01	6.47E-01	8.90E-01
6.00E-01	2.42E-01	6.16E-01	8.58E-01
7.00E-01	2.40E-01	5.83E-01	8.24E-01
8.00E-01	2.37E-01	5.50E-01	7.88E-01
9.00E-01	2.34E-01	5.17E-01	7.51E-01
1.00E+00	2.31E-01	4.83E-01	7.15E-01
2.00E+00	2.03E-01	2.16E-01	4.18E-01
3.00E+00	1.80E-01	8.53E-02	2.65E-01
4.00E+00	1.61E-01	3.23E-02	1.94E-01
5.00E+00	1.46E-01	1.20E-02	1.58E-01
6.00E+00	1.33E-01	4.45E-03	1.38E-01
7.00E+00	1.22E-01	1.64E-03	1.24E-01
8.00E+00	1.13E-01	6.04E-04	1.14E-01
9.00E+00	1.06E-01	2.22E-04	1.06E-01
1.00E+01	9.89E-02	8.18E-05	9.90E-02
2.00E+01	6.78E-02	0.00E+00	6.78E-02
3.00E+01	6.04E-02	0.00E+00	6.04E-02
4.00E+01	5.78E-02	0.00E+00	5.78E-02
5.00E+01	5.63E-02	0.00E+00	5.63E-02
6.00E+01	5.51E-02	0.00E+00	5.51E-02
7.00E+01	5.40E-02	0.00E+00	5.40E-02
8.00E+01	5.30E-02	0.00E+00	5.30E-02
9.00E+01	5.20E-02	0.00E+00	5.20E-02
1.00E+02	5.11E-02	0.00E+00	5.11E-02
2.00E+02	4.44E-02	0.00E+00	4.44E-02
3.00E+02	4.00E-02	0.00E+00	4.00E-02
4.00E+02	3.69E-02	0.00E+00	3.69E-02
5.00E+02	3.45E-02	0.00E+00	3.45E-02
6.00E+02	3.26E-02	0.00E+00	3.26E-02
7.00E+02	3.10E-02	0.00E+00	3.10E-02
8.00E+02	2.97E-02	0.00E+00	2.97E-02
9.00E+02	2.85E-02	0.00E+00	2.85E-02
1.00E+03	2.75E-02	0.00E+00	2.75E-02
2.00E+03	2.07E-02	0.00E+00	2.07E-02
3.00E+03	1.62E-02	0.00E+00	1.62E-02
4.00E+03	1.30E-02	0.00E+00	1.30E-02
5.00E+03	1.05E-02	0.00E+00	1.05E-02
7.00E+03	7.16E-03	0.00E+00	7.16E-03
8.00E+03	5.99E-03	0.00E+00	5.99E-03
9.00E+03	5.04E-03	0.00E+00	5.04E-03
1.00E+04	4.27E-03	0.00E+00	4.27E-03
2.00E+04	9.09E-04	0.00E+00	9.09E-04

INGESTION

 $f_1 = 3.00E-01$

HALFLIFE= 1.06E+04 DAYS

STRONTIUM 90

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	24-HOUR URINE	ACCUMULATED URINE	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		8.15E-03		2.02E-03
2.00E-01		2.25E-02		9.33E-03
3.00E-01		3.23E-02		2.26E-02
4.00E-01		3.85E-02		4.20E-02
5.00E-01		4.30E-02		6.66E-02
6.00E-01		4.66E-02		9.51E-02
7.00E-01		4.98E-02		1.26E-01
8.00E-01		5.28E-02		1.59E-01
9.00E-01		5.57E-02		1.93E-01
1.00E+00	5.85E-02	5.85E-02	2.27E-01	2.27E-01
2.00E+00	2.42E-02	8.27E-02	2.72E-01	4.99E-01
3.00E+00	1.94E-02	1.02E-01	1.34E-01	6.33E-01
4.00E+00	1.58E-02	1.18E-01	5.58E-02	6.88E-01
5.00E+00	1.30E-02	1.31E-01	2.26E-02	7.11E-01
6.00E+00	1.09E-02	1.42E-01	9.51E-03	7.20E-01
7.00E+00	9.15E-03	1.51E-01	4.43E-03	7.25E-01
8.00E+00	7.74E-03	1.59E-01	2.40E-03	7.27E-01
9.00E+00	6.58E-03	1.65E-01	1.54E-03	7.29E-01
1.00E+01	5.60E-03	1.71E-01	1.13E-03	7.30E-01
2.00E+01	1.23E-03	1.97E-01	2.17E-04	7.34E-01
3.00E+01	3.41E-04	2.03E-01	6.02E-05	7.34E-01
4.00E+01	1.54E-04	2.05E-01	2.71E-05	7.34E-01
5.00E+01	1.10E-04	2.06E-01	1.93E-05	7.34E-01
6.00E+01	9.52E-05	2.07E-01	1.68E-05	7.34E-01
7.00E+01	8.74E-05	2.08E-01	1.54E-05	7.34E-01
8.00E+01	8.14E-05	2.09E-01	1.44E-05	7.33E-01
9.00E+01	7.62E-05	2.09E-01	1.34E-05	7.33E-01
1.00E+02	7.15E-05	2.10E-01	1.26E-05	7.32E-01
2.00E+02	4.21E-05	2.14E-01	7.44E-06	7.29E-01
3.00E+02	2.86E-05	2.16E-01	5.05E-06	7.25E-01
4.00E+02	2.10E-05	2.17E-01	3.71E-06	7.20E-01
5.00E+02	1.62E-05	2.17E-01	2.86E-06	7.16E-01
6.00E+02	1.29E-05	2.17E-01	2.28E-06	7.11E-01
7.00E+02	1.06E-05	2.17E-01	1.86E-06	7.07E-01
8.00E+02	8.83E-06	2.17E-01	1.56E-06	7.03E-01
9.00E+02	7.56E-06	2.16E-01	1.33E-06	6.98E-01
1.00E+03	6.61E-06	2.15E-01	1.17E-06	6.94E-01
2.00E+03	3.32E-06	2.06E-01	5.86E-07	6.51E-01
3.00E+03	2.31E-06	1.96E-01	4.08E-07	6.10E-01
4.00E+03	1.67E-06	1.85E-01	2.95E-07	5.72E-01
5.00E+03	1.23E-06	1.75E-01	2.17E-07	5.36E-01
7.00E+03	7.12E-07	1.55E-01	1.26E-07	4.70E-01
8.00E+03	5.58E-07	1.46E-01	9.84E-08	4.41E-01
9.00E+03	4.44E-07	1.37E-01	7.84E-08	4.13E-01
1.00E+04	3.59E-07	1.29E-01	6.34E-08	3.87E-01
2.00E+04	6.58E-08	6.82E-02	1.16E-08	2.01E-01

INGESTION

$f_1 = 1.00E-04$

HALFLIFE= 5.85E+01 DAYS

YTTTRIUM 91

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	2.90E-05	9.98E-01	9.98E-01
2.00E-01	5.66E-05	9.92E-01	9.92E-01
3.00E-01	7.09E-05	9.77E-01	9.77E-01
4.00E-01	7.73E-05	9.54E-01	9.54E-01
5.00E-01	7.96E-05	9.23E-01	9.23E-01
6.00E-01	8.00E-05	8.85E-01	8.85E-01
7.00E-01	7.95E-05	8.43E-01	8.44E-01
8.00E-01	7.86E-05	7.99E-01	7.99E-01
9.00E-01	7.78E-05	7.52E-01	7.52E-01
1.00E+00	7.70E-05	7.05E-01	7.05E-01
2.00E+00	7.34E-05	3.16E-01	3.16E-01
3.00E+00	7.24E-05	1.24E-01	1.24E-01
4.00E+00	7.15E-05	4.66E-02	4.67E-02
5.00E+00	7.07E-05	1.72E-02	1.72E-02
6.00E+00	6.99E-05	6.28E-03	6.35E-03
7.00E+00	6.90E-05	2.29E-03	2.36E-03
8.00E+00	6.82E-05	8.33E-04	9.01E-04
9.00E+00	6.74E-05	3.03E-04	3.70E-04
1.00E+01	6.66E-05	1.10E-04	1.77E-04
2.00E+01	5.92E-05	0.00E+00	5.92E-05
3.00E+01	5.26E-05	0.00E+00	5.26E-05
4.00E+01	4.67E-05	0.00E+00	4.67E-05
5.00E+01	4.15E-05	0.00E+00	4.15E-05
6.00E+01	3.68E-05	0.00E+00	3.68E-05
7.00E+01	3.27E-05	0.00E+00	3.27E-05
8.00E+01	2.91E-05	0.00E+00	2.91E-05
9.00E+01	2.58E-05	0.00E+00	2.58E-05
1.00E+02	2.29E-05	0.00E+00	2.29E-05
2.00E+02	7.02E-06	0.00E+00	7.02E-06
3.00E+02	2.15E-06	0.00E+00	2.15E-06
4.00E+02	6.56E-07	0.00E+00	6.56E-07
5.00E+02	2.01E-07	0.00E+00	2.01E-07
6.00E+02	6.14E-08	0.00E+00	6.14E-08
7.00E+02	1.88E-08	0.00E+00	1.88E-08

INGESTION

$f_1 = 1.00E-04$

HALFLIFE= 5.85E+01 DAYS

YTTRIUM 91

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		7.92E-07		6.09E-04
2.00E-01		3.42E-06		5.89E-03
3.00E-01		6.83E-06		1.93E-02
4.00E-01		1.02E-05		4.14E-02
5.00E-01		1.32E-05		7.13E-02
6.00E-01		1.57E-05		1.07E-01
7.00E-01		1.77E-05		1.48E-01
8.00E-01		1.93E-05		1.92E-01
9.00E-01		2.06E-05		2.37E-01
1.00E+00	2.15E-05	2.15E-05	2.83E-01	2.83E-01
2.00E+00	2.94E-06	2.42E-05	3.81E-01	6.60E-01
3.00E+00	1.86E-07	2.41E-05	1.88E-01	8.41E-01
4.00E+00	1.15E-08	2.38E-05	7.62E-02	9.07E-01

INGESTION

$f_1 = 2.00E-03$

STABLE

ZIRCONIUM 91

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	5.97E-04	9.99E-01	9.99E-01
2.00E-01	1.20E-03	9.93E-01	9.94E-01
3.00E-01	1.55E-03	9.79E-01	9.81E-01
4.00E-01	1.74E-03	9.57E-01	9.58E-01
5.00E-01	1.84E-03	9.26E-01	9.28E-01
6.00E-01	1.89E-03	8.90E-01	8.92E-01
7.00E-01	1.91E-03	8.49E-01	8.51E-01
8.00E-01	1.92E-03	8.05E-01	8.06E-01
9.00E-01	1.92E-03	7.59E-01	7.60E-01
1.00E+00	1.92E-03	7.12E-01	7.14E-01
2.00E+00	1.84E-03	3.23E-01	3.25E-01
3.00E+00	1.76E-03	1.28E-01	1.30E-01
4.00E+00	1.69E-03	4.88E-02	5.05E-02
5.00E+00	1.62E-03	1.82E-02	1.98E-02
6.00E+00	1.56E-03	6.73E-03	8.29E-03
7.00E+00	1.51E-03	2.48E-03	3.99E-03
8.00E+00	1.46E-03	9.14E-04	2.38E-03
9.00E+00	1.42E-03	3.36E-04	1.75E-03
1.00E+01	1.38E-03	1.24E-04	1.50E-03
2.00E+01	1.14E-03	0.00E+00	1.14E-03
3.00E+01	1.05E-03	0.00E+00	1.05E-03
4.00E+01	1.02E-03	0.00E+00	1.02E-03
5.00E+01	1.00E-03	0.00E+00	1.00E-03
6.00E+01	9.98E-04	0.00E+00	9.98E-04
7.00E+01	9.95E-04	0.00E+00	9.95E-04
8.00E+01	9.93E-04	0.00E+00	9.93E-04
9.00E+01	9.92E-04	0.00E+00	9.92E-04
1.00E+02	9.91E-04	0.00E+00	9.91E-04
2.00E+02	9.83E-04	0.00E+00	9.83E-04
3.00E+02	9.74E-04	0.00E+00	9.74E-04
4.00E+02	9.66E-04	0.00E+00	9.66E-04
5.00E+02	9.58E-04	0.00E+00	9.58E-04
6.00E+02	9.49E-04	0.00E+00	9.49E-04
7.00E+02	9.41E-04	0.00E+00	9.41E-04
8.00E+02	9.33E-04	0.00E+00	9.33E-04
9.00E+02	9.25E-04	0.00E+00	9.25E-04
1.00E+03	9.17E-04	0.00E+00	9.17E-04
2.00E+03	8.41E-04	0.00E+00	8.41E-04
3.00E+03	7.71E-04	0.00E+00	7.71E-04
4.00E+03	7.07E-04	0.00E+00	7.07E-04
5.00E+03	6.48E-04	0.00E+00	6.48E-04
7.00E+03	5.45E-04	0.00E+00	5.45E-04
8.00E+03	5.00E-04	0.00E+00	5.00E-04
9.00E+03	4.59E-04	0.00E+00	4.59E-04
1.00E+04	4.21E-04	0.00E+00	4.21E-04
2.00E+04	1.77E-04	0.00E+00	1.77E-04

INGESTION

$f_1 = 2.00E-03$

STABLE

ZIRCONIUM 91

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		1.22E-06		6.09E-04
2.00E-01		5.77E-06		5.90E-03
3.00E-01		1.26E-05		1.93E-02
4.00E-01		2.07E-05		4.16E-02
5.00E-01		2.95E-05		7.17E-02
6.00E-01		3.86E-05		1.08E-01
7.00E-01		4.78E-05		1.49E-01
8.00E-01		5.70E-05		1.93E-01
9.00E-01		6.62E-05		2.39E-01
1.00E+00	7.54E-05	7.54E-05	2.86E-01	2.86E-01
2.00E+00	8.72E-05	1.63E-04	3.89E-01	6.75E-01
3.00E+00	7.90E-05	2.42E-04	1.94E-01	8.70E-01
4.00E+00	7.16E-05	3.13E-04	7.97E-02	9.49E-01
5.00E+00	6.49E-05	3.78E-04	3.06E-02	9.80E-01
6.00E+00	5.87E-05	4.37E-04	1.15E-02	9.91E-01
7.00E+00	5.32E-05	4.90E-04	4.25E-03	9.96E-01
8.00E+00	4.82E-05	5.38E-04	1.57E-03	9.97E-01
9.00E+00	4.37E-05	5.82E-04	5.77E-04	9.98E-01
1.00E+01	3.96E-05	6.21E-04	2.13E-04	9.98E-01
2.00E+01	1.48E-05	8.61E-04	0.00E+00	9.98E-01
3.00E+01	5.54E-06	9.50E-04	0.00E+00	9.98E-01
4.00E+01	2.11E-06	9.84E-04	0.00E+00	9.98E-01
5.00E+01	8.39E-07	9.97E-04	0.00E+00	9.98E-01
7.00E+01	1.90E-07	1.01E-03	0.00E+00	9.98E-01
8.00E+01	1.25E-07	1.01E-03	0.00E+00	9.98E-01
9.00E+01	1.00E-07	1.01E-03	0.00E+00	9.98E-01
1.00E+02	9.12E-08	1.01E-03	0.00E+00	9.98E-01
2.00E+02	8.51E-08	1.02E-03	0.00E+00	9.98E-01
3.00E+02	8.44E-08	1.03E-03	0.00E+00	9.98E-01
4.00E+02	8.37E-08	1.03E-03	0.00E+00	9.98E-01
5.00E+02	8.30E-08	1.04E-03	0.00E+00	9.98E-01
7.00E+02	8.15E-08	1.06E-03	0.00E+00	9.98E-01
8.00E+02	8.08E-08	1.07E-03	0.00E+00	9.98E-01
9.00E+02	8.01E-08	1.07E-03	0.00E+00	9.98E-01
1.00E+03	7.94E-08	1.08E-03	0.00E+00	9.98E-01
2.00E+03	7.29E-08	1.16E-03	0.00E+00	9.98E-01
3.00E+03	6.68E-08	1.23E-03	0.00E+00	9.98E-01
4.00E+03	6.13E-08	1.29E-03	0.00E+00	9.98E-01
5.00E+03	5.62E-08	1.35E-03	0.00E+00	9.98E-01
7.00E+03	4.72E-08	1.45E-03	0.00E+00	9.98E-01
8.00E+03	4.33E-08	1.50E-03	0.00E+00	9.98E-01
9.00E+03	3.97E-08	1.54E-03	0.00E+00	9.98E-01
1.00E+04	3.64E-08	1.58E-03	0.00E+00	9.98E-01
2.00E+04	1.53E-08	1.82E-03	0.00E+00	9.98E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	3.00E-03	9.96E-01	9.99E-01
2.00E-01	6.01E-03	9.88E-01	9.94E-01
3.00E-01	7.75E-03	9.73E-01	9.81E-01
4.00E-01	8.69E-03	9.50E-01	9.58E-01
5.00E-01	9.18E-03	9.19E-01	9.28E-01
6.00E-01	9.42E-03	8.83E-01	8.92E-01
7.00E-01	9.52E-03	8.42E-01	8.51E-01
8.00E-01	9.55E-03	7.98E-01	8.07E-01
9.00E-01	9.54E-03	7.52E-01	7.62E-01
1.00E+00	9.52E-03	7.06E-01	7.15E-01
2.00E+00	9.03E-03	3.20E-01	3.29E-01
3.00E+00	8.57E-03	1.27E-01	1.36E-01
4.00E+00	8.16E-03	4.83E-02	5.65E-02
5.00E+00	7.79E-03	1.80E-02	2.58E-02
6.00E+00	7.45E-03	6.66E-03	1.41E-02
7.00E+00	7.16E-03	2.46E-03	9.61E-03
8.00E+00	6.89E-03	9.05E-04	7.80E-03
9.00E+00	6.65E-03	3.33E-04	6.99E-03
1.00E+01	6.44E-03	1.23E-04	6.56E-03
2.00E+01	5.17E-03	0.00E+00	5.17E-03
3.00E+01	4.67E-03	0.00E+00	4.67E-03
4.00E+01	4.40E-03	0.00E+00	4.40E-03
5.00E+01	4.22E-03	0.00E+00	4.22E-03
6.00E+01	4.07E-03	0.00E+00	4.07E-03
7.00E+01	3.93E-03	0.00E+00	3.93E-03
8.00E+01	3.79E-03	0.00E+00	3.79E-03
9.00E+01	3.66E-03	0.00E+00	3.66E-03
1.00E+02	3.54E-03	0.00E+00	3.54E-03
2.00E+02	2.50E-03	0.00E+00	2.50E-03
3.00E+02	1.77E-03	0.00E+00	1.77E-03
4.00E+02	1.25E-03	0.00E+00	1.25E-03
5.00E+02	8.83E-04	0.00E+00	8.83E-04
6.00E+02	6.24E-04	0.00E+00	6.24E-04
7.00E+02	4.41E-04	0.00E+00	4.41E-04
8.00E+02	3.12E-04	0.00E+00	3.12E-04
9.00E+02	2.20E-04	0.00E+00	2.20E-04
1.00E+03	1.56E-04	0.00E+00	1.56E-04
2.00E+03	4.84E-06	0.00E+00	4.84E-06
3.00E+03	1.51E-07	0.00E+00	1.51E-07

INGESTION

$f_1 = 1.00E-02$

STABLE

NIOBium 93

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		7.43E-06		6.09E-04
2.00E-01		3.49E-05		5.89E-03
3.00E-01		7.63E-05		1.93E-02
4.00E-01		1.25E-04		4.14E-02
5.00E-01		1.78E-04		7.14E-02
6.00E-01		2.32E-04		1.08E-01
7.00E-01		2.88E-04		1.49E-01
8.00E-01		3.43E-04		1.92E-01
9.00E-01		3.98E-04		2.38E-01
1.00E+00	4.53E-04	4.53E-04	2.84E-01	2.84E-01
2.00E+00	5.17E-04	9.69E-04	3.86E-01	6.70E-01
3.00E+00	4.62E-04	1.43E-03	1.93E-01	8.63E-01
4.00E+00	4.13E-04	1.84E-03	7.89E-02	9.42E-01
5.00E+00	3.70E-04	2.21E-03	3.03E-02	9.72E-01
6.00E+00	3.31E-04	2.55E-03	1.13E-02	9.83E-01
7.00E+00	2.97E-04	2.84E-03	4.21E-03	9.88E-01
8.00E+00	2.66E-04	3.11E-03	1.55E-03	9.89E-01
9.00E+00	2.39E-04	3.35E-03	5.72E-04	9.90E-01
1.00E+01	2.14E-04	3.56E-03	2.10E-04	9.90E-01
2.00E+01	7.81E-05	4.83E-03	0.00E+00	9.90E-01
3.00E+01	3.51E-05	5.33E-03	0.00E+00	9.90E-01
4.00E+01	2.12E-05	5.60E-03	0.00E+00	9.90E-01
5.00E+01	1.65E-05	5.78E-03	0.00E+00	9.90E-01
6.00E+01	1.47E-05	5.93E-03	0.00E+00	9.90E-01
7.00E+01	1.38E-05	6.07E-03	0.00E+00	9.90E-01
8.00E+01	1.32E-05	6.21E-03	0.00E+00	9.90E-01
9.00E+01	1.27E-05	6.34E-03	0.00E+00	9.90E-01
1.00E+02	1.23E-05	6.46E-03	0.00E+00	9.90E-01
2.00E+02	8.69E-06	7.50E-03	0.00E+00	9.90E-01
3.00E+02	6.14E-06	8.23E-03	0.00E+00	9.90E-01
4.00E+02	4.34E-06	8.75E-03	0.00E+00	9.90E-01
5.00E+02	3.07E-06	9.12E-03	0.00E+00	9.90E-01
6.00E+02	2.17E-06	9.38E-03	0.00E+00	9.90E-01
7.00E+02	1.53E-06	9.56E-03	0.00E+00	9.90E-01
8.00E+02	1.08E-06	9.69E-03	0.00E+00	9.90E-01
9.00E+02	7.66E-07	9.78E-03	0.00E+00	9.90E-01
1.00E+03	5.41E-07	9.84E-03	0.00E+00	9.90E-01
2.00E+03	1.68E-08	1.00E-02	0.00E+00	9.90E-01

INGESTION

 $f_1 = 1.00E-02$

HALFLIFE= 3.52E+01 DAYS

NIOBIUM 95

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	3.00E-03	9.94E-01	9.97E-01
2.00E-01	5.99E-03	9.84E-01	9.90E-01
3.00E-01	7.71E-03	9.67E-01	9.75E-01
4.00E-01	8.62E-03	9.42E-01	9.51E-01
5.00E-01	9.09E-03	9.10E-01	9.19E-01
6.00E-01	9.30E-03	8.72E-01	8.82E-01
7.00E-01	9.39E-03	8.30E-01	8.40E-01
8.00E-01	9.40E-03	7.85E-01	7.95E-01
9.00E-01	9.38E-03	7.39E-01	7.48E-01
1.00E+00	9.33E-03	6.92E-01	7.01E-01
2.00E+00	8.68E-03	3.08E-01	3.16E-01
3.00E+00	8.08E-03	1.20E-01	1.28E-01
4.00E+00	7.54E-03	4.46E-02	5.22E-02
5.00E+00	7.05E-03	1.63E-02	2.34E-02
6.00E+00	6.62E-03	5.92E-03	1.25E-02
7.00E+00	6.23E-03	2.14E-03	8.38E-03
8.00E+00	5.89E-03	7.73E-04	6.66E-03
9.00E+00	5.57E-03	2.79E-04	5.85E-03
1.00E+01	5.29E-03	1.01E-04	5.39E-03
2.00E+01	3.49E-03	0.00E+00	3.49E-03
3.00E+01	2.58E-03	0.00E+00	2.58E-03
4.00E+01	2.00E-03	0.00E+00	2.00E-03
5.00E+01	1.58E-03	0.00E+00	1.58E-03
6.00E+01	1.25E-03	0.00E+00	1.25E-03
7.00E+01	9.87E-04	0.00E+00	9.87E-04
8.00E+01	7.83E-04	0.00E+00	7.83E-04
9.00E+01	6.21E-04	0.00E+00	6.21E-04
1.00E+02	4.92E-04	0.00E+00	4.92E-04
2.00E+02	4.84E-05	0.00E+00	4.84E-05
3.00E+02	4.76E-06	0.00E+00	4.76E-06
4.00E+02	4.69E-07	0.00E+00	4.69E-07
5.00E+02	4.61E-08	0.00E+00	4.61E-08

INGESTION

$f_1 = 1.00E-02$

HALFLIFE= 3.52E+01 DAYS

NIOBIMUM 95

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		7.41E-06		6.08E-04
2.00E-01		3.48E-05		5.87E-03
3.00E-01		7.58E-05		1.92E-02
4.00E-01		1.24E-04		4.11E-02
5.00E-01		1.76E-04		7.07E-02
6.00E-01		2.30E-04		1.06E-01
7.00E-01		2.84E-04		1.46E-01
8.00E-01		3.38E-04		1.89E-01
9.00E-01		3.91E-04		2.34E-01
1.00E+00	4.44E-04	4.44E-04	2.79E-01	2.79E-01
2.00E+00	4.97E-04	9.32E-04	3.71E-01	6.44E-01
3.00E+00	4.36E-04	1.35E-03	1.82E-01	8.13E-01
4.00E+00	3.82E-04	1.70E-03	7.29E-02	8.70E-01
5.00E+00	3.35E-04	2.01E-03	2.75E-02	8.81E-01
6.00E+00	2.94E-04	2.26E-03	1.01E-02	8.74E-01
7.00E+00	2.58E-04	2.48E-03	3.66E-03	8.60E-01
8.00E+00	2.27E-04	2.65E-03	1.33E-03	8.45E-01
9.00E+00	2.00E-04	2.80E-03	4.79E-04	8.29E-01
1.00E+01	1.76E-04	2.92E-03	1.73E-04	8.13E-01
2.00E+01	5.27E-05	3.25E-03	0.00E+00	6.67E-01
3.00E+01	1.94E-05	2.95E-03	0.00E+00	5.48E-01
4.00E+01	9.64E-06	2.54E-03	0.00E+00	4.50E-01
5.00E+01	6.17E-06	2.16E-03	0.00E+00	3.69E-01
6.00E+01	4.51E-06	1.82E-03	0.00E+00	3.03E-01
7.00E+01	3.48E-06	1.53E-03	0.00E+00	2.49E-01
8.00E+01	2.73E-06	1.28E-03	0.00E+00	2.04E-01
9.00E+01	2.16E-06	1.07E-03	0.00E+00	1.68E-01
1.00E+02	1.71E-06	9.00E-04	0.00E+00	1.38E-01
2.00E+02	1.68E-07	1.45E-04	0.00E+00	1.92E-02
3.00E+02	1.66E-08	2.22E-05	0.00E+00	2.67E-03

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	5.94E-01	4.03E-01	9.97E-01
2.00E-01	7.67E-01	2.22E-01	9.89E-01
3.00E-01	7.84E-01	1.95E-01	9.78E-01
4.00E-01	7.80E-01	1.86E-01	9.66E-01
5.00E-01	7.75E-01	1.77E-01	9.53E-01
6.00E-01	7.70E-01	1.68E-01	9.39E-01
7.00E-01	7.66E-01	1.59E-01	9.25E-01
8.00E-01	7.61E-01	1.49E-01	9.11E-01
9.00E-01	7.57E-01	1.40E-01	8.97E-01
1.00E+00	7.53E-01	1.30E-01	8.83E-01
2.00E+00	7.22E-01	5.70E-02	7.79E-01
3.00E+00	7.02E-01	2.24E-02	7.24E-01
4.00E+00	6.87E-01	8.46E-03	6.96E-01
5.00E+00	6.75E-01	3.15E-03	6.78E-01
6.00E+00	6.65E-01	1.16E-03	6.66E-01
7.00E+00	6.55E-01	4.29E-04	6.55E-01
8.00E+00	6.45E-01	1.58E-04	6.46E-01
9.00E+00	6.36E-01	5.81E-05	6.36E-01
1.00E+01	6.28E-01	2.14E-05	6.28E-01
2.00E+01	5.46E-01	0.00E+00	5.46E-01
3.00E+01	4.76E-01	0.00E+00	4.76E-01
4.00E+01	4.14E-01	0.00E+00	4.14E-01
5.00E+01	3.60E-01	0.00E+00	3.60E-01
6.00E+01	3.14E-01	0.00E+00	3.14E-01
7.00E+01	2.73E-01	0.00E+00	2.73E-01
8.00E+01	2.38E-01	0.00E+00	2.38E-01
9.00E+01	2.07E-01	0.00E+00	2.07E-01
1.00E+02	1.80E-01	0.00E+00	1.80E-01
2.00E+02	4.51E-02	0.00E+00	4.51E-02
3.00E+02	1.13E-02	0.00E+00	1.13E-02
4.00E+02	2.82E-03	0.00E+00	2.82E-03
5.00E+02	7.05E-04	0.00E+00	7.05E-04
6.00E+02	1.76E-04	0.00E+00	1.76E-04
7.00E+02	4.41E-05	0.00E+00	4.41E-05
8.00E+02	1.10E-05	0.00E+00	1.10E-05
9.00E+02	2.76E-06	0.00E+00	2.76E-06
1.00E+03	6.89E-07	0.00E+00	6.89E-07

INGESTION

$f_1 = 8.00E-01$

STABLE

MOLYBDENUM 96

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		2.39E-03		4.05E-04
2.00E-01		7.93E-03		2.93E-03
3.00E-01		1.38E-02		7.86E-03
4.00E-01		1.93E-02		1.46E-02
5.00E-01		2.46E-02		2.27E-02
6.00E-01		2.96E-02		3.16E-02
7.00E-01		3.43E-02		4.10E-02
8.00E-01		3.88E-02		5.07E-02
9.00E-01		4.30E-02		6.03E-02
1.00E+00	4.70E-02	4.70E-02	6.98E-02	6.98E-02
2.00E+00	3.09E-02	7.79E-02	7.33E-02	1.43E-01
3.00E+00	2.02E-02	9.81E-02	3.46E-02	1.78E-01
4.00E+00	1.48E-02	1.13E-01	1.39E-02	1.92E-01
5.00E+00	1.20E-02	1.25E-01	5.31E-03	1.97E-01
6.00E+00	1.06E-02	1.35E-01	1.98E-03	1.99E-01
7.00E+00	9.79E-03	1.45E-01	7.35E-04	2.00E-01
8.00E+00	9.33E-03	1.55E-01	2.71E-04	2.00E-01
9.00E+00	9.04E-03	1.64E-01	9.98E-05	2.00E-01
1.00E+01	8.84E-03	1.72E-01	3.67E-05	2.00E-01
2.00E+01	7.62E-03	2.54E-01	0.00E+00	2.00E-01
3.00E+01	6.64E-03	3.24E-01	0.00E+00	2.00E-01
4.00E+01	5.78E-03	3.86E-01	0.00E+00	2.00E-01
5.00E+01	5.03E-03	4.40E-01	0.00E+00	2.00E-01
6.00E+01	4.38E-03	4.86E-01	0.00E+00	2.00E-01
7.00E+01	3.81E-03	5.27E-01	0.00E+00	2.00E-01
8.00E+01	3.32E-03	5.62E-01	0.00E+00	2.00E-01
9.00E+01	2.89E-03	5.93E-01	0.00E+00	2.00E-01
1.00E+02	2.52E-03	6.20E-01	0.00E+00	2.00E-01
2.00E+02	6.29E-04	7.55E-01	0.00E+00	2.00E-01
3.00E+02	1.57E-04	7.89E-01	0.00E+00	2.00E-01
4.00E+02	3.93E-05	7.97E-01	0.00E+00	2.00E-01
5.00E+02	9.84E-06	7.99E-01	0.00E+00	2.00E-01
6.00E+02	2.46E-06	8.00E-01	0.00E+00	2.00E-01
7.00E+02	6.15E-07	8.00E-01	0.00E+00	2.00E-01
8.00E+02	1.54E-07	8.00E-01	0.00E+00	2.00E-01
9.00E+02	3.85E-08	8.00E-01	0.00E+00	2.00E-01

INGESTION

$f_1 = 8.00E-01$

HALFLIFE= 1.53E+09 DAYS

TECHNETIUM 98

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	5.85E-01	4.03E-01	9.88E-01
2.00E-01	7.36E-01	2.22E-01	9.58E-01
3.00E-01	7.29E-01	1.95E-01	9.24E-01
4.00E-01	7.03E-01	1.86E-01	8.89E-01
5.00E-01	6.77E-01	1.77E-01	8.54E-01
6.00E-01	6.51E-01	1.68E-01	8.20E-01
7.00E-01	6.27E-01	1.59E-01	7.86E-01
8.00E-01	6.04E-01	1.49E-01	7.54E-01
9.00E-01	5.82E-01	1.40E-01	7.22E-01
1.00E+00	5.61E-01	1.30E-01	6.92E-01
2.00E+00	3.96E-01	5.70E-02	4.53E-01
3.00E+00	2.87E-01	2.24E-02	3.09E-01
4.00E+00	2.13E-01	8.46E-03	2.21E-01
5.00E+00	1.62E-01	3.15E-03	1.65E-01
6.00E+00	1.27E-01	1.16E-03	1.28E-01
7.00E+00	1.02E-01	4.29E-04	1.02E-01
8.00E+00	8.34E-02	1.58E-04	8.35E-02
9.00E+00	6.99E-02	5.81E-05	7.00E-02
1.00E+01	5.99E-02	2.14E-05	5.99E-02
2.00E+01	2.43E-02	0.00E+00	2.43E-02
3.00E+01	1.55E-02	0.00E+00	1.55E-02
4.00E+01	1.10E-02	0.00E+00	1.10E-02
5.00E+01	7.98E-03	0.00E+00	7.98E-03
6.00E+01	5.82E-03	0.00E+00	5.82E-03
7.00E+01	4.24E-03	0.00E+00	4.24E-03
8.00E+01	3.10E-03	0.00E+00	3.10E-03
9.00E+01	2.26E-03	0.00E+00	2.26E-03
1.00E+02	1.65E-03	0.00E+00	1.65E-03
2.00E+02	7.07E-05	0.00E+00	7.07E-05
3.00E+02	3.03E-06	0.00E+00	3.03E-06
4.00E+02	1.30E-07	0.00E+00	1.30E-07

INGESTION

$f_1 = 8.00E-01$

HALFLIFE= 1.53E+09 DAYS

TECHNETIUM 98

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		1.19E-02		4.05E-04
2.00E-01		3.94E-02		2.93E-03
3.00E-01		6.85E-02		7.86E-03
4.00E-01		9.65E-02		1.46E-02
5.00E-01		1.23E-01		2.27E-02
6.00E-01		1.49E-01		3.16E-02
7.00E-01		1.73E-01		4.10E-02
8.00E-01		1.96E-01		5.07E-02
9.00E-01		2.18E-01		6.03E-02
1.00E+00	2.39E-01	2.39E-01	6.98E-02	6.98E-02
2.00E+00	1.66E-01	4.04E-01	7.33E-02	1.43E-01
3.00E+00	1.09E-01	5.13E-01	3.46E-02	1.78E-01
4.00E+00	7.37E-02	5.87E-01	1.39E-02	1.92E-01
5.00E+00	5.07E-02	6.38E-01	5.31E-03	1.97E-01
6.00E+00	3.55E-02	6.73E-01	1.98E-03	1.99E-01
7.00E+00	2.52E-02	6.98E-01	7.35E-04	2.00E-01
8.00E+00	1.82E-02	7.17E-01	2.71E-04	2.00E-01
9.00E+00	1.34E-02	7.30E-01	9.98E-05	2.00E-01
1.00E+01	1.01E-02	7.40E-01	3.67E-05	2.00E-01
2.00E+01	1.47E-03	7.76E-01	0.00E+00	2.00E-01
3.00E+01	5.96E-04	7.84E-01	0.00E+00	2.00E-01
4.00E+01	3.67E-04	7.89E-01	0.00E+00	2.00E-01
5.00E+01	2.58E-04	7.92E-01	0.00E+00	2.00E-01
6.00E+01	1.87E-04	7.94E-01	0.00E+00	2.00E-01
7.00E+01	1.36E-04	7.96E-01	0.00E+00	2.00E-01
8.00E+01	9.91E-05	7.97E-01	0.00E+00	2.00E-01
9.00E+01	7.23E-05	7.98E-01	0.00E+00	2.00E-01
1.00E+02	5.28E-05	7.98E-01	0.00E+00	2.00E-01
2.00E+02	2.26E-06	8.00E-01	0.00E+00	2.00E-01
3.00E+02	9.69E-08	8.00E-01	0.00E+00	2.00E-01

INGESTION

$f_1 = 5.00E-02$

STABLE

RUTHENIUM 101

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	1.53E-02	9.84E-01	9.99E-01
2.00E-01	2.99E-02	9.63E-01	9.93E-01
3.00E-01	3.77E-02	9.41E-01	9.79E-01
4.00E-01	4.14E-02	9.15E-01	9.56E-01
5.00E-01	4.29E-02	8.83E-01	9.26E-01
6.00E-01	4.34E-02	8.46E-01	8.90E-01
7.00E-01	4.33E-02	8.06E-01	8.49E-01
8.00E-01	4.30E-02	7.63E-01	8.06E-01
9.00E-01	4.26E-02	7.19E-01	7.62E-01
1.00E+00	4.23E-02	6.74E-01	7.17E-01
2.00E+00	3.96E-02	3.05E-01	3.45E-01
3.00E+00	3.79E-02	1.21E-01	1.59E-01
4.00E+00	3.65E-02	4.60E-02	8.25E-02
5.00E+00	3.52E-02	1.71E-02	5.23E-02
6.00E+00	3.39E-02	6.34E-03	4.03E-02
7.00E+00	3.28E-02	2.34E-03	3.51E-02
8.00E+00	3.17E-02	8.61E-04	3.26E-02
9.00E+00	3.07E-02	3.17E-04	3.10E-02
1.00E+01	2.98E-02	1.17E-04	2.99E-02
2.00E+01	2.31E-02	0.00E+00	2.31E-02
3.00E+01	1.94E-02	0.00E+00	1.94E-02
4.00E+01	1.71E-02	0.00E+00	1.71E-02
5.00E+01	1.55E-02	0.00E+00	1.55E-02
6.00E+01	1.43E-02	0.00E+00	1.43E-02
7.00E+01	1.33E-02	0.00E+00	1.33E-02
8.00E+01	1.26E-02	0.00E+00	1.26E-02
9.00E+01	1.19E-02	0.00E+00	1.19E-02
1.00E+02	1.14E-02	0.00E+00	1.14E-02
2.00E+02	8.99E-03	0.00E+00	8.99E-03
3.00E+02	8.16E-03	0.00E+00	8.16E-03
4.00E+02	7.59E-03	0.00E+00	7.59E-03
5.00E+02	7.07E-03	0.00E+00	7.07E-03
6.00E+02	6.60E-03	0.00E+00	6.60E-03
7.00E+02	6.16E-03	0.00E+00	6.16E-03
8.00E+02	5.74E-03	0.00E+00	5.74E-03
9.00E+02	5.36E-03	0.00E+00	5.36E-03
1.00E+03	5.00E-03	0.00E+00	5.00E-03
2.00E+03	2.50E-03	0.00E+00	2.50E-03
3.00E+03	1.25E-03	0.00E+00	1.25E-03
4.00E+03	6.25E-04	0.00E+00	6.25E-04
5.00E+03	3.13E-04	0.00E+00	3.13E-04
6.00E+03	1.56E-04	0.00E+00	1.56E-04
7.00E+03	7.82E-05	0.00E+00	7.82E-05
8.00E+03	3.91E-05	0.00E+00	3.91E-05
9.00E+03	1.96E-05	0.00E+00	1.96E-05
1.00E+04	9.78E-06	0.00E+00	9.78E-06

INGESTION

$f_1 = 5.00E-02$

STABLE

RUTHENIUM 101

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		2.33E-04		6.06E-04
2.00E-01		1.02E-03		5.83E-03
3.00E-01		2.08E-03		1.90E-02
4.00E-01		3.17E-03		4.07E-02
5.00E-01		4.18E-03		6.99E-02
6.00E-01		5.08E-03		1.05E-01
7.00E-01		5.87E-03		1.45E-01
8.00E-01		6.54E-03		1.87E-01
9.00E-01		7.12E-03		2.31E-01
1.00E+00	7.62E-03	7.62E-03	2.76E-01	2.76E-01
2.00E+00	2.81E-03	1.04E-02	3.69E-01	6.45E-01
3.00E+00	1.65E-03	1.21E-02	1.84E-01	8.29E-01
4.00E+00	1.44E-03	1.35E-02	7.52E-02	9.04E-01
5.00E+00	1.33E-03	1.48E-02	2.89E-02	9.33E-01
6.00E+00	1.23E-03	1.61E-02	1.08E-02	9.44E-01
7.00E+00	1.15E-03	1.72E-02	4.00E-03	9.48E-01
8.00E+00	1.07E-03	1.83E-02	1.48E-03	9.49E-01
9.00E+00	9.98E-04	1.93E-02	5.44E-04	9.50E-01
1.00E+01	9.32E-04	2.02E-02	2.00E-04	9.50E-01
2.00E+01	4.95E-04	2.69E-02	0.00E+00	9.50E-01
3.00E+01	2.93E-04	3.06E-02	0.00E+00	9.50E-01
4.00E+01	1.94E-04	3.29E-02	0.00E+00	9.50E-01
5.00E+01	1.40E-04	3.45E-02	0.00E+00	9.50E-01
6.00E+01	1.07E-04	3.57E-02	0.00E+00	9.50E-01
7.00E+01	8.57E-05	3.67E-02	0.00E+00	9.50E-01
8.00E+01	6.99E-05	3.74E-02	0.00E+00	9.50E-01
9.00E+01	5.79E-05	3.81E-02	0.00E+00	9.50E-01
1.00E+02	4.83E-05	3.86E-02	0.00E+00	9.50E-01
2.00E+02	1.18E-05	4.10E-02	0.00E+00	9.50E-01
3.00E+02	6.42E-06	4.18E-02	0.00E+00	9.50E-01
4.00E+02	5.36E-06	4.24E-02	0.00E+00	9.50E-01
5.00E+02	4.92E-06	4.29E-02	0.00E+00	9.50E-01
6.00E+02	4.58E-06	4.34E-02	0.00E+00	9.50E-01
7.00E+02	4.27E-06	4.38E-02	0.00E+00	9.50E-01
8.00E+02	3.98E-06	4.43E-02	0.00E+00	9.50E-01
9.00E+02	3.72E-06	4.46E-02	0.00E+00	9.50E-01
1.00E+03	3.47E-06	4.50E-02	0.00E+00	9.50E-01
2.00E+03	1.73E-06	4.75E-02	0.00E+00	9.50E-01
3.00E+03	8.67E-07	4.87E-02	0.00E+00	9.50E-01
4.00E+03	4.34E-07	4.94E-02	0.00E+00	9.50E-01
5.00E+03	2.17E-07	4.97E-02	0.00E+00	9.50E-01
7.00E+03	5.42E-08	4.99E-02	0.00E+00	9.50E-01
8.00E+03	2.71E-08	5.00E-02	0.00E+00	9.50E-01
9.00E+03	1.36E-08	5.00E-02	0.00E+00	9.50E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	1.53E-02	9.84E-01	9.99E-01
2.00E-01	2.99E-02	9.63E-01	9.93E-01
3.00E-01	3.77E-02	9.41E-01	9.79E-01
4.00E-01	4.14E-02	9.15E-01	9.56E-01
5.00E-01	4.29E-02	8.83E-01	9.26E-01
6.00E-01	4.34E-02	8.46E-01	8.90E-01
7.00E-01	4.33E-02	8.06E-01	8.49E-01
8.00E-01	4.30E-02	7.63E-01	8.06E-01
9.00E-01	4.26E-02	7.19E-01	7.62E-01
1.00E+00	4.23E-02	6.74E-01	7.17E-01
2.00E+00	3.96E-02	3.05E-01	3.45E-01
3.00E+00	3.79E-02	1.21E-01	1.59E-01
4.00E+00	3.65E-02	4.60E-02	8.25E-02
5.00E+00	3.52E-02	1.71E-02	5.23E-02
6.00E+00	3.39E-02	6.34E-03	4.03E-02
7.00E+00	3.28E-02	2.34E-03	3.51E-02
8.00E+00	3.17E-02	8.61E-04	3.26E-02
9.00E+00	3.07E-02	3.17E-04	3.10E-02
1.00E+01	2.98E-02	1.17E-04	2.99E-02
2.00E+01	2.31E-02	0.00E+00	2.31E-02
3.00E+01	1.94E-02	0.00E+00	1.94E-02
4.00E+01	1.71E-02	0.00E+00	1.71E-02
5.00E+01	1.55E-02	0.00E+00	1.55E-02
6.00E+01	1.43E-02	0.00E+00	1.43E-02
7.00E+01	1.33E-02	0.00E+00	1.33E-02
8.00E+01	1.26E-02	0.00E+00	1.26E-02
9.00E+01	1.19E-02	0.00E+00	1.19E-02
1.00E+02	1.14E-02	0.00E+00	1.14E-02
2.00E+02	8.99E-03	0.00E+00	8.99E-03
3.00E+02	8.16E-03	0.00E+00	8.16E-03
4.00E+02	7.59E-03	0.00E+00	7.59E-03
5.00E+02	7.07E-03	0.00E+00	7.07E-03
6.00E+02	6.60E-03	0.00E+00	6.60E-03
7.00E+02	6.16E-03	0.00E+00	6.16E-03
8.00E+02	5.74E-03	0.00E+00	5.74E-03
9.00E+02	5.36E-03	0.00E+00	5.36E-03
1.00E+03	5.00E-03	0.00E+00	5.00E-03
2.00E+03	2.50E-03	0.00E+00	2.50E-03
3.00E+03	1.25E-03	0.00E+00	1.25E-03
4.00E+03	6.25E-04	0.00E+00	6.25E-04
5.00E+03	3.13E-04	0.00E+00	3.13E-04
6.00E+03	1.56E-04	0.00E+00	1.56E-04
7.00E+03	7.82E-05	0.00E+00	7.82E-05
8.00E+03	3.91E-05	0.00E+00	3.91E-05
9.00E+03	1.96E-05	0.00E+00	1.96E-05
1.00E+04	9.78E-06	0.00E+00	9.78E-06

INGESTION

$f_1 = 5.00E-02$

STABLE

RHODIUM 103

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		2.33E-04		6.06E-04
2.00E-01		1.02E-03		5.83E-03
3.00E-01		2.08E-03		1.90E-02
4.00E-01		3.17E-03		4.07E-02
5.00E-01		4.18E-03		6.99E-02
6.00E-01		5.08E-03		1.05E-01
7.00E-01		5.87E-03		1.45E-01
8.00E-01		6.54E-03		1.87E-01
9.00E-01		7.12E-03		2.31E-01
1.00E+00	7.62E-03	7.62E-03	2.76E-01	2.76E-01
2.00E+00	2.81E-03	1.04E-02	3.69E-01	6.45E-01
3.00E+00	1.65E-03	1.21E-02	1.84E-01	8.29E-01
4.00E+00	1.44E-03	1.35E-02	7.52E-02	9.04E-01
5.00E+00	1.33E-03	1.48E-02	2.89E-02	9.33E-01
6.00E+00	1.23E-03	1.61E-02	1.08E-02	9.44E-01
7.00E+00	1.15E-03	1.72E-02	4.00E-03	9.48E-01
8.00E+00	1.07E-03	1.83E-02	1.48E-03	9.49E-01
9.00E+00	9.98E-04	1.93E-02	5.44E-04	9.50E-01
1.00E+01	9.32E-04	2.02E-02	2.00E-04	9.50E-01
2.00E+01	4.95E-04	2.69E-02	0.00E+00	9.50E-01
3.00E+01	2.93E-04	3.06E-02	0.00E+00	9.50E-01
4.00E+01	1.94E-04	3.29E-02	0.00E+00	9.50E-01
5.00E+01	1.40E-04	3.45E-02	0.00E+00	9.50E-01
6.00E+01	1.07E-04	3.57E-02	0.00E+00	9.50E-01
7.00E+01	8.57E-05	3.67E-02	0.00E+00	9.50E-01
8.00E+01	6.99E-05	3.74E-02	0.00E+00	9.50E-01
9.00E+01	5.79E-05	3.81E-02	0.00E+00	9.50E-01
1.00E+02	4.83E-05	3.86E-02	0.00E+00	9.50E-01
2.00E+02	1.18E-05	4.10E-02	0.00E+00	9.50E-01
3.00E+02	6.42E-06	4.18E-02	0.00E+00	9.50E-01
4.00E+02	5.36E-06	4.24E-02	0.00E+00	9.50E-01
5.00E+02	4.92E-06	4.29E-02	0.00E+00	9.50E-01
6.00E+02	4.58E-06	4.34E-02	0.00E+00	9.50E-01
7.00E+02	4.27E-06	4.38E-02	0.00E+00	9.50E-01
8.00E+02	3.98E-06	4.43E-02	0.00E+00	9.50E-01
9.00E+02	3.72E-06	4.46E-02	0.00E+00	9.50E-01
1.00E+03	3.47E-06	4.50E-02	0.00E+00	9.50E-01
2.00E+03	1.73E-06	4.75E-02	0.00E+00	9.50E-01
3.00E+03	8.67E-07	4.87E-02	0.00E+00	9.50E-01
4.00E+03	4.34E-07	4.94E-02	0.00E+00	9.50E-01
5.00E+03	2.17E-07	4.97E-02	0.00E+00	9.50E-01
7.00E+03	5.42E-08	4.99E-02	0.00E+00	9.50E-01
8.00E+03	2.71E-08	5.00E-02	0.00E+00	9.50E-01
9.00E+03	1.36E-08	5.00E-02	0.00E+00	9.50E-01

INGESTION

 $f_1 = 5.00E-03$

STABLE

PALLADIUM 106

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	1.45E-03	9.98E-01	9.99E-01
2.00E-01	2.80E-03	9.91E-01	9.94E-01
3.00E-01	3.47E-03	9.77E-01	9.80E-01
4.00E-01	3.75E-03	9.54E-01	9.58E-01
5.00E-01	3.83E-03	9.24E-01	9.28E-01
6.00E-01	3.81E-03	8.87E-01	8.91E-01
7.00E-01	3.75E-03	8.46E-01	8.50E-01
8.00E-01	3.68E-03	8.02E-01	8.06E-01
9.00E-01	3.61E-03	7.56E-01	7.60E-01
1.00E+00	3.55E-03	7.10E-01	7.13E-01
2.00E+00	3.23E-03	3.22E-01	3.25E-01
3.00E+00	3.08E-03	1.28E-01	1.31E-01
4.00E+00	2.94E-03	4.86E-02	5.15E-02
5.00E+00	2.80E-03	1.81E-02	2.09E-02
6.00E+00	2.68E-03	6.70E-03	9.38E-03
7.00E+00	2.56E-03	2.47E-03	5.03E-03
8.00E+00	2.44E-03	9.10E-04	3.35E-03
9.00E+00	2.33E-03	3.35E-04	2.67E-03
1.00E+01	2.23E-03	1.23E-04	2.35E-03
2.00E+01	1.40E-03	0.00E+00	1.40E-03
3.00E+01	8.84E-04	0.00E+00	8.84E-04
4.00E+01	5.57E-04	0.00E+00	5.57E-04
5.00E+01	3.51E-04	0.00E+00	3.51E-04
6.00E+01	2.21E-04	0.00E+00	2.21E-04
7.00E+01	1.39E-04	0.00E+00	1.39E-04
8.00E+01	8.77E-05	0.00E+00	8.77E-05
9.00E+01	5.53E-05	0.00E+00	5.53E-05
1.00E+02	3.48E-05	0.00E+00	3.48E-05
2.00E+02	3.43E-07	0.00E+00	3.43E-07

INGESTION

 $f_1 = 5.00E-03$

STABLE

PALLADIUM 106

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		4.98E-05		6.09E-04
2.00E-01		2.16E-04		5.90E-03
3.00E-01		4.33E-04		1.93E-02
4.00E-01		6.51E-04		4.15E-02
5.00E-01		8.47E-04		7.16E-02
6.00E-01		1.01E-03		1.08E-01
7.00E-01		1.15E-03		1.49E-01
8.00E-01		1.27E-03		1.93E-01
9.00E-01		1.36E-03		2.39E-01
1.00E+00	1.43E-03	1.43E-03	2.85E-01	2.85E-01
2.00E+00	3.32E-04	1.77E-03	3.88E-01	6.73E-01
3.00E+00	1.57E-04	1.92E-03	1.94E-01	8.67E-01
4.00E+00	1.40E-04	2.06E-03	7.94E-02	9.46E-01
5.00E+00	1.33E-04	2.20E-03	3.05E-02	9.77E-01
6.00E+00	1.27E-04	2.32E-03	1.14E-02	9.88E-01
7.00E+00	1.21E-04	2.44E-03	4.23E-03	9.93E-01
8.00E+00	1.15E-04	2.56E-03	1.56E-03	9.94E-01
9.00E+00	1.10E-04	2.67E-03	5.75E-04	9.95E-01
1.00E+01	1.05E-04	2.77E-03	2.12E-04	9.95E-01
2.00E+01	6.63E-05	3.60E-03	0.00E+00	9.95E-01
3.00E+01	4.18E-05	4.12E-03	0.00E+00	9.95E-01
4.00E+01	2.63E-05	4.44E-03	0.00E+00	9.95E-01
5.00E+01	1.66E-05	4.65E-03	0.00E+00	9.95E-01
6.00E+01	1.04E-05	4.78E-03	0.00E+00	9.95E-01
7.00E+01	6.58E-06	4.86E-03	0.00E+00	9.95E-01
8.00E+01	4.15E-06	4.91E-03	0.00E+00	9.95E-01
9.00E+01	2.61E-06	4.94E-03	0.00E+00	9.95E-01
1.00E+02	1.65E-06	4.97E-03	0.00E+00	9.95E-01
2.00E+02	1.62E-08	5.00E-03	0.00E+00	9.95E-01

INGESTION

 $f_1 = 5.00E-02$

STABLE

SILVER 108

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	1.55E-02	9.84E-01	9.99E-01
2.00E-01	3.09E-02	9.63E-01	9.94E-01
3.00E-01	3.96E-02	9.41E-01	9.81E-01
4.00E-01	4.42E-02	9.15E-01	9.59E-01
5.00E-01	4.66E-02	8.83E-01	9.30E-01
6.00E-01	4.78E-02	8.46E-01	8.94E-01
7.00E-01	4.84E-02	8.06E-01	8.54E-01
8.00E-01	4.86E-02	7.63E-01	8.12E-01
9.00E-01	4.87E-02	7.19E-01	7.68E-01
1.00E+00	4.87E-02	6.74E-01	7.23E-01
2.00E+00	4.74E-02	3.05E-01	3.52E-01
3.00E+00	4.62E-02	1.21E-01	1.67E-01
4.00E+00	4.50E-02	4.60E-02	9.10E-02
5.00E+00	4.40E-02	1.71E-02	6.12E-02
6.00E+00	4.31E-02	6.34E-03	4.95E-02
7.00E+00	4.23E-02	2.34E-03	4.46E-02
8.00E+00	4.15E-02	8.61E-04	4.23E-02
9.00E+00	4.07E-02	3.17E-04	4.10E-02
1.00E+01	4.00E-02	1.17E-04	4.01E-02
2.00E+01	3.43E-02	0.00E+00	3.43E-02
3.00E+01	2.98E-02	0.00E+00	2.98E-02
4.00E+01	2.59E-02	0.00E+00	2.59E-02
5.00E+01	2.26E-02	0.00E+00	2.26E-02
6.00E+01	1.96E-02	0.00E+00	1.96E-02
7.00E+01	1.71E-02	0.00E+00	1.71E-02
8.00E+01	1.49E-02	0.00E+00	1.49E-02
9.00E+01	1.30E-02	0.00E+00	1.30E-02
1.00E+02	1.13E-02	0.00E+00	1.13E-02
2.00E+02	2.82E-03	0.00E+00	2.82E-03
3.00E+02	7.06E-04	0.00E+00	7.06E-04
4.00E+02	1.76E-04	0.00E+00	1.76E-04
5.00E+02	4.41E-05	0.00E+00	4.41E-05
6.00E+02	1.10E-05	0.00E+00	1.10E-05
7.00E+02	2.76E-06	0.00E+00	2.76E-06
8.00E+02	6.90E-07	0.00E+00	6.90E-07
9.00E+02	1.73E-07	0.00E+00	1.73E-07
1.00E+03	4.32E-08	0.00E+00	4.32E-08

INGESTION

$f_1 = 5.00E-02$

STABLE

SILVER 108

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		2.08E-05		6.06E-04
2.00E-01		9.71E-05		5.83E-03
3.00E-01		2.11E-04		1.90E-02
4.00E-01		3.44E-04		4.07E-02
5.00E-01		4.87E-04		6.99E-02
6.00E-01		6.35E-04		1.05E-01
7.00E-01		7.84E-04		1.45E-01
8.00E-01		9.33E-04		1.87E-01
9.00E-01		1.08E-03		2.31E-01
1.00E+00	1.23E-03	1.23E-03	2.76E-01	2.76E-01
2.00E+00	1.38E-03	2.61E-03	3.69E-01	6.45E-01
3.00E+00	1.23E-03	3.84E-03	1.84E-01	8.29E-01
4.00E+00	1.11E-03	4.95E-03	7.52E-02	9.04E-01
5.00E+00	1.01E-03	5.96E-03	2.89E-02	9.33E-01
6.00E+00	9.27E-04	6.89E-03	1.08E-02	9.44E-01
7.00E+00	8.57E-04	7.75E-03	4.00E-03	9.48E-01
8.00E+00	7.97E-04	8.54E-03	1.48E-03	9.49E-01
9.00E+00	7.48E-04	9.29E-03	5.44E-04	9.50E-01
1.00E+01	7.06E-04	1.00E-02	2.00E-04	9.50E-01
2.00E+01	4.99E-04	1.57E-02	0.00E+00	9.50E-01
3.00E+01	4.19E-04	2.02E-02	0.00E+00	9.50E-01
4.00E+01	3.62E-04	2.41E-02	0.00E+00	9.50E-01
5.00E+01	3.15E-04	2.74E-02	0.00E+00	9.50E-01
6.00E+01	2.74E-04	3.04E-02	0.00E+00	9.50E-01
7.00E+01	2.39E-04	3.29E-02	0.00E+00	9.50E-01
8.00E+01	2.08E-04	3.51E-02	0.00E+00	9.50E-01
9.00E+01	1.81E-04	3.70E-02	0.00E+00	9.50E-01
1.00E+02	1.57E-04	3.87E-02	0.00E+00	9.50E-01
2.00E+02	3.94E-05	4.72E-02	0.00E+00	9.50E-01
3.00E+02	9.85E-06	4.93E-02	0.00E+00	9.50E-01
4.00E+02	2.46E-06	4.98E-02	0.00E+00	9.50E-01
5.00E+02	6.16E-07	5.00E-02	0.00E+00	9.50E-01
6.00E+02	1.54E-07	5.00E-02	0.00E+00	9.50E-01
7.00E+02	3.85E-08	5.00E-02	0.00E+00	9.50E-01

INGESTION

$f_1 = 5.00E-02$

STABLE

CADMIUM 112

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	1.55E-02	9.84E-01	9.99E-01
2.00E-01	3.10E-02	9.63E-01	9.94E-01
3.00E-01	3.98E-02	9.41E-01	9.81E-01
4.00E-01	4.46E-02	9.15E-01	9.59E-01
5.00E-01	4.71E-02	8.83E-01	9.30E-01
6.00E-01	4.85E-02	8.46E-01	8.95E-01
7.00E-01	4.92E-02	8.06E-01	8.55E-01
8.00E-01	4.96E-02	7.63E-01	8.13E-01
9.00E-01	4.98E-02	7.19E-01	7.69E-01
1.00E+00	4.99E-02	6.74E-01	7.24E-01
2.00E+00	5.00E-02	3.05E-01	3.55E-01
3.00E+00	5.00E-02	1.21E-01	1.71E-01
4.00E+00	5.00E-02	4.60E-02	9.60E-02
5.00E+00	5.00E-02	1.71E-02	6.71E-02
6.00E+00	5.00E-02	6.34E-03	5.63E-02
7.00E+00	5.00E-02	2.34E-03	5.23E-02
8.00E+00	5.00E-02	8.61E-04	5.08E-02
9.00E+00	5.00E-02	3.17E-04	5.03E-02
1.00E+01	5.00E-02	1.17E-04	5.01E-02
2.00E+01	4.99E-02	0.00E+00	4.99E-02
3.00E+01	4.99E-02	0.00E+00	4.99E-02
4.00E+01	4.98E-02	0.00E+00	4.98E-02
5.00E+01	4.98E-02	0.00E+00	4.98E-02
6.00E+01	4.98E-02	0.00E+00	4.98E-02
7.00E+01	4.97E-02	0.00E+00	4.97E-02
8.00E+01	4.97E-02	0.00E+00	4.97E-02
9.00E+01	4.97E-02	0.00E+00	4.97E-02
1.00E+02	4.96E-02	0.00E+00	4.96E-02
2.00E+02	4.92E-02	0.00E+00	4.92E-02
3.00E+02	4.89E-02	0.00E+00	4.89E-02
4.00E+02	4.85E-02	0.00E+00	4.85E-02
5.00E+02	4.81E-02	0.00E+00	4.81E-02
6.00E+02	4.78E-02	0.00E+00	4.78E-02
7.00E+02	4.74E-02	0.00E+00	4.74E-02
8.00E+02	4.71E-02	0.00E+00	4.71E-02
9.00E+02	4.67E-02	0.00E+00	4.67E-02
1.00E+03	4.63E-02	0.00E+00	4.63E-02
2.00E+03	4.30E-02	0.00E+00	4.30E-02
3.00E+03	3.98E-02	0.00E+00	3.98E-02
4.00E+03	3.69E-02	0.00E+00	3.69E-02
5.00E+03	3.42E-02	0.00E+00	3.42E-02
7.00E+03	2.94E-02	0.00E+00	2.94E-02
8.00E+03	2.72E-02	0.00E+00	2.72E-02
9.00E+03	2.52E-02	0.00E+00	2.52E-02
1.00E+04	2.34E-02	0.00E+00	2.34E-02
2.00E+04	1.09E-02	0.00E+00	1.09E-02

INGESTION

$f_1 = 5.00E-02$

STABLE

CADMIUM 112

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		4.90E-08		6.06E-04
2.00E-01		2.30E-07		5.83E-03
3.00E-01		5.02E-07		1.90E-02
4.00E-01		8.25E-07		4.07E-02
5.00E-01		1.17E-06		6.99E-02
6.00E-01		1.54E-06		1.05E-01
7.00E-01		1.91E-06		1.45E-01
8.00E-01		2.28E-06		1.87E-01
9.00E-01		2.66E-06		2.31E-01
1.00E+00	3.04E-06	3.04E-06	2.76E-01	2.76E-01
2.00E+00	3.80E-06	6.84E-06	3.69E-01	6.45E-01
3.00E+00	3.80E-06	1.06E-05	1.84E-01	8.29E-01
4.00E+00	3.80E-06	1.44E-05	7.52E-02	9.04E-01
5.00E+00	3.80E-06	1.82E-05	2.89E-02	9.33E-01
6.00E+00	3.80E-06	2.20E-05	1.08E-02	9.44E-01
7.00E+00	3.80E-06	2.58E-05	4.00E-03	9.48E-01
8.00E+00	3.80E-06	2.96E-05	1.48E-03	9.49E-01
9.00E+00	3.80E-06	3.34E-05	5.44E-04	9.50E-01
1.00E+01	3.79E-06	3.72E-05	2.00E-04	9.50E-01
2.00E+01	3.79E-06	7.51E-05	0.00E+00	9.50E-01
3.00E+01	3.79E-06	1.13E-04	0.00E+00	9.50E-01
4.00E+01	3.79E-06	1.51E-04	0.00E+00	9.50E-01
5.00E+01	3.78E-06	1.89E-04	0.00E+00	9.50E-01
7.00E+01	3.78E-06	2.64E-04	0.00E+00	9.50E-01
8.00E+01	3.77E-06	3.02E-04	0.00E+00	9.50E-01
9.00E+01	3.77E-06	3.40E-04	0.00E+00	9.50E-01
1.00E+02	3.77E-06	3.78E-04	0.00E+00	9.50E-01
2.00E+02	3.74E-06	7.53E-04	0.00E+00	9.50E-01
3.00E+02	3.71E-06	1.13E-03	0.00E+00	9.50E-01
4.00E+02	3.68E-06	1.50E-03	0.00E+00	9.50E-01
5.00E+02	3.66E-06	1.86E-03	0.00E+00	9.50E-01
7.00E+02	3.60E-06	2.59E-03	0.00E+00	9.50E-01
8.00E+02	3.57E-06	2.95E-03	0.00E+00	9.50E-01
9.00E+02	3.55E-06	3.30E-03	0.00E+00	9.50E-01
1.00E+03	3.52E-06	3.66E-03	0.00E+00	9.50E-01
2.00E+03	3.26E-06	7.05E-03	0.00E+00	9.50E-01
3.00E+03	3.02E-06	1.02E-02	0.00E+00	9.50E-01
4.00E+03	2.80E-06	1.31E-02	0.00E+00	9.50E-01
5.00E+03	2.60E-06	1.58E-02	0.00E+00	9.50E-01
7.00E+03	2.23E-06	2.06E-02	0.00E+00	9.50E-01
8.00E+03	2.07E-06	2.28E-02	0.00E+00	9.50E-01
9.00E+03	1.92E-06	2.48E-02	0.00E+00	9.50E-01
1.00E+04	1.78E-06	2.66E-02	0.00E+00	9.50E-01
2.00E+04	8.31E-07	3.91E-02	0.00E+00	9.50E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	5.74E-03	9.93E-01	9.99E-01
2.00E-01	1.07E-02	9.82E-01	9.93E-01
3.00E-01	1.29E-02	9.65E-01	9.78E-01
4.00E-01	1.35E-02	9.41E-01	9.55E-01
5.00E-01	1.33E-02	9.10E-01	9.23E-01
6.00E-01	1.28E-02	8.74E-01	8.86E-01
7.00E-01	1.23E-02	8.33E-01	8.45E-01
8.00E-01	1.17E-02	7.89E-01	8.01E-01
9.00E-01	1.13E-02	7.44E-01	7.55E-01
1.00E+00	1.09E-02	6.98E-01	7.09E-01
2.00E+00	9.43E-03	3.16E-01	3.26E-01
3.00E+00	9.06E-03	1.26E-01	1.35E-01
4.00E+00	8.80E-03	4.77E-02	5.65E-02
5.00E+00	8.57E-03	1.78E-02	2.64E-02
6.00E+00	8.38E-03	6.58E-03	1.50E-02
7.00E+00	8.20E-03	2.43E-03	1.06E-02
8.00E+00	8.05E-03	8.94E-04	8.94E-03
9.00E+00	7.91E-03	3.29E-04	8.24E-03
1.00E+01	7.79E-03	1.21E-04	7.91E-03
2.00E+01	7.02E-03	0.00E+00	7.02E-03
3.00E+01	6.59E-03	0.00E+00	6.59E-03
4.00E+01	6.27E-03	0.00E+00	6.27E-03
5.00E+01	6.01E-03	0.00E+00	6.01E-03
6.00E+01	5.79E-03	0.00E+00	5.79E-03
7.00E+01	5.61E-03	0.00E+00	5.61E-03
8.00E+01	5.44E-03	0.00E+00	5.44E-03
9.00E+01	5.30E-03	0.00E+00	5.30E-03
1.00E+02	5.17E-03	0.00E+00	5.17E-03
2.00E+02	4.25E-03	0.00E+00	4.25E-03
3.00E+02	3.57E-03	0.00E+00	3.57E-03
4.00E+02	3.00E-03	0.00E+00	3.00E-03
5.00E+02	2.52E-03	0.00E+00	2.52E-03
6.00E+02	2.12E-03	0.00E+00	2.12E-03
7.00E+02	1.78E-03	0.00E+00	1.78E-03
8.00E+02	1.50E-03	0.00E+00	1.50E-03
9.00E+02	1.26E-03	0.00E+00	1.26E-03
1.00E+03	1.06E-03	0.00E+00	1.06E-03
2.00E+03	1.88E-04	0.00E+00	1.88E-04
3.00E+03	3.32E-05	0.00E+00	3.32E-05
4.00E+03	5.87E-06	0.00E+00	5.87E-06
5.00E+03	1.04E-06	0.00E+00	1.04E-06
6.00E+03	1.84E-07	0.00E+00	1.84E-07
7.00E+03	3.25E-08	0.00E+00	3.25E-08

INGESTION

$f_1 = 2.00E-02$

STABLE

TIN 119

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		3.28E-04		6.08E-04
2.00E-01		1.42E-03		5.88E-03
3.00E-01		2.83E-03		1.92E-02
4.00E-01		4.23E-03		4.13E-02
5.00E-01		5.47E-03		7.11E-02
6.00E-01		6.52E-03		1.07E-01
7.00E-01		7.38E-03		1.48E-01
8.00E-01		8.07E-03		1.91E-01
9.00E-01		8.61E-03		2.36E-01
1.00E+00	9.04E-03	9.04E-03	2.82E-01	2.82E-01
2.00E+00	1.53E-03	1.06E-02	3.82E-01	6.64E-01
3.00E+00	3.72E-04	1.09E-02	1.90E-01	8.54E-01
4.00E+00	2.62E-04	1.12E-02	7.80E-02	9.32E-01
5.00E+00	2.25E-04	1.14E-02	2.99E-02	9.62E-01
6.00E+00	1.97E-04	1.16E-02	1.12E-02	9.73E-01
7.00E+00	1.73E-04	1.18E-02	4.15E-03	9.78E-01
8.00E+00	1.54E-04	1.20E-02	1.53E-03	9.79E-01
9.00E+00	1.37E-04	1.21E-02	5.65E-04	9.80E-01
1.00E+01	1.22E-04	1.22E-02	2.08E-04	9.80E-01
2.00E+01	5.48E-05	1.30E-02	0.00E+00	9.80E-01
3.00E+01	3.67E-05	1.34E-02	0.00E+00	9.80E-01
4.00E+01	2.87E-05	1.37E-02	0.00E+00	9.80E-01
5.00E+01	2.38E-05	1.40E-02	0.00E+00	9.80E-01
6.00E+01	2.01E-05	1.42E-02	0.00E+00	9.80E-01
7.00E+01	1.73E-05	1.44E-02	0.00E+00	9.80E-01
8.00E+01	1.52E-05	1.46E-02	0.00E+00	9.80E-01
9.00E+01	1.36E-05	1.47E-02	0.00E+00	9.80E-01
1.00E+02	1.23E-05	1.48E-02	0.00E+00	9.80E-01
2.00E+02	7.58E-06	1.57E-02	0.00E+00	9.80E-01
3.00E+02	6.20E-06	1.64E-02	0.00E+00	9.80E-01
4.00E+02	5.21E-06	1.70E-02	0.00E+00	9.80E-01
5.00E+02	4.38E-06	1.75E-02	0.00E+00	9.80E-01
6.00E+02	3.68E-06	1.79E-02	0.00E+00	9.80E-01
7.00E+02	3.10E-06	1.82E-02	0.00E+00	9.80E-01
8.00E+02	2.60E-06	1.85E-02	0.00E+00	9.80E-01
9.00E+02	2.19E-06	1.87E-02	0.00E+00	9.80E-01
1.00E+03	1.84E-06	1.89E-02	0.00E+00	9.80E-01
2.00E+03	3.25E-07	1.98E-02	0.00E+00	9.80E-01
3.00E+03	5.76E-08	2.00E-02	0.00E+00	9.80E-01
4.00E+03	1.02E-08	2.00E-02	0.00E+00	9.80E-01

INGESTION

 $f_1 = 2.00E-01$

STABLE

TELLURIUM 128

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	6.95E-02	9.29E-01	9.98E-01
2.00E-01	1.30E-01	8.59E-01	9.89E-01
3.00E-01	1.58E-01	8.13E-01	9.70E-01
4.00E-01	1.67E-01	7.77E-01	9.44E-01
5.00E-01	1.68E-01	7.43E-01	9.11E-01
6.00E-01	1.66E-01	7.08E-01	8.74E-01
7.00E-01	1.61E-01	6.72E-01	8.34E-01
8.00E-01	1.57E-01	6.35E-01	7.92E-01
9.00E-01	1.52E-01	5.97E-01	7.49E-01
1.00E+00	1.48E-01	5.59E-01	7.07E-01
2.00E+00	1.18E-01	2.51E-01	3.68E-01
3.00E+00	1.04E-01	9.93E-02	2.03E-01
4.00E+00	9.74E-02	3.76E-02	1.35E-01
5.00E+00	9.38E-02	1.40E-02	1.08E-01
6.00E+00	9.15E-02	5.19E-03	9.67E-02
7.00E+00	8.97E-02	1.91E-03	9.16E-02
8.00E+00	8.82E-02	7.04E-04	8.89E-02
9.00E+00	8.68E-02	2.59E-04	8.71E-02
1.00E+01	8.55E-02	9.54E-05	8.56E-02
2.00E+01	7.50E-02	0.00E+00	7.50E-02
3.00E+01	6.76E-02	0.00E+00	6.76E-02
4.00E+01	6.23E-02	0.00E+00	6.23E-02
5.00E+01	5.86E-02	0.00E+00	5.86E-02
6.00E+01	5.59E-02	0.00E+00	5.59E-02
7.00E+01	5.40E-02	0.00E+00	5.40E-02
8.00E+01	5.26E-02	0.00E+00	5.26E-02
9.00E+01	5.16E-02	0.00E+00	5.16E-02
1.00E+02	5.09E-02	0.00E+00	5.09E-02
2.00E+02	4.87E-02	0.00E+00	4.87E-02
3.00E+02	4.80E-02	0.00E+00	4.80E-02
4.00E+02	4.73E-02	0.00E+00	4.73E-02
5.00E+02	4.67E-02	0.00E+00	4.67E-02
6.00E+02	4.60E-02	0.00E+00	4.60E-02
7.00E+02	4.54E-02	0.00E+00	4.54E-02
8.00E+02	4.48E-02	0.00E+00	4.48E-02
9.00E+02	4.41E-02	0.00E+00	4.41E-02
1.00E+03	4.35E-02	0.00E+00	4.35E-02
2.00E+03	3.79E-02	0.00E+00	3.79E-02
3.00E+03	3.30E-02	0.00E+00	3.30E-02
4.00E+03	2.87E-02	0.00E+00	2.87E-02
5.00E+03	2.50E-02	0.00E+00	2.50E-02
7.00E+03	1.90E-02	0.00E+00	1.90E-02
8.00E+03	1.65E-02	0.00E+00	1.65E-02
9.00E+03	1.44E-02	0.00E+00	1.44E-02
1.00E+04	1.25E-02	0.00E+00	1.25E-02
2.00E+04	3.13E-03	0.00E+00	3.13E-03

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	24-HOUR URINE	ACCUMULATED URINE	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		9.63E-04		9.13E-04
2.00E-01		4.28E-03		7.01E-03
3.00E-01		8.85E-03		2.08E-02
4.00E-01		1.38E-02		4.22E-02
5.00E-01		1.87E-02		7.00E-02
6.00E-01		2.34E-02		1.03E-01
7.00E-01		2.78E-02		1.39E-01
8.00E-01		3.19E-02		1.76E-01
9.00E-01		3.56E-02		2.15E-01
1.00E+00	3.91E-02	3.91E-02	2.54E-01	2.54E-01
2.00E+00	2.27E-02	6.18E-02	3.16E-01	5.70E-01
3.00E+00	1.02E-02	7.20E-02	1.55E-01	7.25E-01
4.00E+00	4.95E-03	7.69E-02	6.33E-02	7.88E-01
5.00E+00	2.72E-03	7.96E-02	2.45E-02	8.13E-01
6.00E+00	1.76E-03	8.14E-02	9.42E-03	8.22E-01
7.00E+00	1.33E-03	8.27E-02	3.72E-03	8.26E-01
8.00E+00	1.13E-03	8.39E-02	1.59E-03	8.27E-01
9.00E+00	1.03E-03	8.49E-02	7.88E-04	8.28E-01
1.00E+01	9.67E-04	8.59E-02	4.86E-04	8.29E-01
2.00E+01	6.70E-04	9.37E-02	2.23E-04	8.31E-01
3.00E+01	4.76E-04	9.93E-02	1.59E-04	8.33E-01
4.00E+01	3.38E-04	1.03E-01	1.13E-04	8.34E-01
5.00E+01	2.40E-04	1.06E-01	8.01E-05	8.35E-01
6.00E+01	1.72E-04	1.08E-01	5.72E-05	8.36E-01
7.00E+01	1.23E-04	1.10E-01	4.09E-05	8.37E-01
8.00E+01	8.83E-05	1.11E-01	2.94E-05	8.37E-01
9.00E+01	6.40E-05	1.11E-01	2.13E-05	8.37E-01
1.00E+02	4.67E-05	1.12E-01	1.56E-05	8.37E-01
2.00E+02	6.36E-06	1.13E-01	2.12E-06	8.38E-01
3.00E+02	5.03E-06	1.14E-01	1.68E-06	8.38E-01
4.00E+02	4.92E-06	1.15E-01	1.64E-06	8.38E-01
5.00E+02	4.85E-06	1.15E-01	1.62E-06	8.38E-01
6.00E+02	4.78E-06	1.15E-01	1.59E-06	8.38E-01
7.00E+02	4.72E-06	1.16E-01	1.57E-06	8.39E-01
8.00E+02	4.65E-06	1.16E-01	1.55E-06	8.39E-01
9.00E+02	4.59E-06	1.17E-01	1.53E-06	8.39E-01
1.00E+03	4.53E-06	1.17E-01	1.51E-06	8.39E-01
2.00E+03	3.94E-06	1.22E-01	1.31E-06	8.41E-01
3.00E+03	3.43E-06	1.25E-01	1.14E-06	8.42E-01
4.00E+03	2.99E-06	1.28E-01	9.95E-07	8.43E-01
5.00E+03	2.60E-06	1.31E-01	8.66E-07	8.44E-01
7.00E+03	1.97E-06	1.36E-01	6.57E-07	8.45E-01
8.00E+03	1.72E-06	1.38E-01	5.72E-07	8.46E-01
9.00E+03	1.49E-06	1.39E-01	4.98E-07	8.46E-01
1.00E+04	1.30E-06	1.41E-01	4.33E-07	8.47E-01
2.00E+04	3.25E-07	1.48E-01	1.08E-07	8.49E-01

INGESTION

$f_1 = 1.00E+00$

HALFLIFE= 1.30E+01 DAYS

IODINE 126

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	THYROID	GI TRACT	24-HOUR URINE	TOTAL BODY
1.00E-01	7.97E-01	4.62E-02	9.02E-02		8.87E-01
2.00E-01	7.38E-01	1.04E-01	8.14E-03		7.46E-01
3.00E-01	6.34E-01	1.50E-01	7.36E-04		6.34E-01
4.00E-01	5.49E-01	1.84E-01	6.72E-05		5.49E-01
5.00E-01	4.85E-01	2.09E-01	6.83E-06		4.85E-01
6.00E-01	4.36E-01	2.28E-01	1.34E-06		4.36E-01
7.00E-01	3.99E-01	2.41E-01	7.99E-07		3.99E-01
8.00E-01	3.70E-01	2.51E-01	7.05E-07		3.70E-01
9.00E-01	3.48E-01	2.58E-01	6.51E-07		3.48E-01
1.00E+00	3.31E-01	2.63E-01	6.02E-07	5.98E-01	3.31E-01
2.00E+00	2.72E-01	2.65E-01	2.48E-07	4.06E-02	2.72E-01
3.00E+00	2.56E-01	2.56E-01	9.23E-08	2.57E-03	2.56E-01
4.00E+00	2.42E-01	2.42E-01	3.30E-08	3.68E-04	2.42E-01
5.00E+00	2.29E-01	2.29E-01	1.17E-08	2.86E-04	2.29E-01
6.00E+00	2.17E-01	2.17E-01	0.00E+00	3.21E-04	2.17E-01
7.00E+00	2.05E-01	2.05E-01	0.00E+00	3.55E-04	2.05E-01
8.00E+00	1.94E-01	1.94E-01	0.00E+00	3.81E-04	1.94E-01
9.00E+00	1.84E-01	1.84E-01	0.00E+00	4.02E-04	1.84E-01
1.00E+01	1.74E-01	1.74E-01	0.00E+00	4.15E-04	1.74E-01
2.00E+01	9.85E-02	9.85E-02	0.00E+00	3.85E-04	9.85E-02
3.00E+01	5.52E-02	5.52E-02	0.00E+00	2.63E-04	5.52E-02
4.00E+01	3.08E-02	3.08E-02	0.00E+00	1.61E-04	3.08E-02
5.00E+01	1.71E-02	1.71E-02	0.00E+00	9.41E-05	1.71E-02
6.00E+01	9.46E-03	9.46E-03	0.00E+00	5.36E-05	9.46E-03
7.00E+01	5.23E-03	5.23E-03	0.00E+00	3.02E-05	5.23E-03
8.00E+01	2.89E-03	2.89E-03	0.00E+00	1.68E-05	2.89E-03
9.00E+01	1.60E-03	1.60E-03	0.00E+00	9.34E-06	1.60E-03
1.00E+02	8.83E-04	8.83E-04	0.00E+00	5.18E-06	8.83E-04
2.00E+02	2.33E-06	2.33E-06	0.00E+00	1.38E-08	2.33E-06

INGESTION

$f_1 = 1.00E+00$

HALFLIFE= 1.30E+01 DAYS

IODINE 126

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		1.08E-01		4.10E-09
2.00E-01		2.43E-01		2.08E-08
3.00E-01		3.50E-01		4.84E-08
4.00E-01		4.29E-01		8.39E-08
5.00E-01		4.89E-01		1.24E-07
6.00E-01		5.33E-01		1.68E-07
7.00E-01		5.65E-01		2.13E-07
8.00E-01		5.88E-01		2.58E-07
9.00E-01		6.05E-01		3.03E-07
1.00E+00	6.17E-01	6.17E-01	3.46E-07	3.46E-07
2.00E+00	4.19E-02	6.26E-01	3.23E-07	6.51E-07
3.00E+00	2.65E-03	5.97E-01	1.43E-07	7.60E-07
4.00E+00	3.79E-04	5.66E-01	5.45E-08	7.75E-07
5.00E+00	2.95E-04	5.37E-01	1.97E-08	7.54E-07
6.00E+00	3.31E-04	5.09E-01	0.00E+00	7.22E-07
7.00E+00	3.66E-04	4.83E-01	0.00E+00	6.87E-07
8.00E+00	3.93E-04	4.59E-01	0.00E+00	6.52E-07
9.00E+00	4.14E-04	4.35E-01	0.00E+00	6.19E-07
1.00E+01	4.28E-04	4.13E-01	0.00E+00	5.87E-07
2.00E+01	3.97E-04	2.46E-01	0.00E+00	3.44E-07
3.00E+01	2.71E-04	1.47E-01	0.00E+00	2.02E-07
4.00E+01	1.66E-04	8.77E-02	0.00E+00	1.19E-07
5.00E+01	9.70E-05	5.25E-02	0.00E+00	6.95E-08
6.00E+01	5.53E-05	3.13E-02	0.00E+00	4.08E-08
7.00E+01	3.11E-05	1.87E-02	0.00E+00	2.39E-08
8.00E+01	1.73E-05	1.12E-02	0.00E+00	1.40E-08
9.00E+01	9.63E-06	6.64E-03	0.00E+00	8.24E-09
1.00E+02	5.34E-06	3.95E-03	0.00E+00	4.83E-09
2.00E+02	1.42E-08	2.10E-05	0.00E+00	2.34E-11

INGESTION

$f_1 = 1.00E+00$

STABLE

IODINE 127

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	THYROID	GI TRACT	24-HOUR URINE	TOTAL BODY
1.00E-01	8.01E-01	4.65E-02	9.07E-02		8.92E-01
2.00E-01	7.46E-01	1.05E-01	8.23E-03		7.54E-01
3.00E-01	6.44E-01	1.52E-01	7.48E-04		6.45E-01
4.00E-01	5.61E-01	1.88E-01	6.86E-05		5.61E-01
5.00E-01	4.98E-01	2.15E-01	7.02E-06		4.98E-01
6.00E-01	4.50E-01	2.35E-01	1.38E-06		4.50E-01
7.00E-01	4.14E-01	2.50E-01	8.30E-07		4.14E-01
8.00E-01	3.86E-01	2.62E-01	7.35E-07		3.86E-01
9.00E-01	3.65E-01	2.71E-01	6.83E-07		3.65E-01
1.00E+00	3.50E-01	2.77E-01	6.35E-07	6.31E-01	3.50E-01
2.00E+00	3.03E-01	2.95E-01	2.76E-07	4.52E-02	3.03E-01
3.00E+00	3.00E-01	2.93E-01	1.08E-07	3.02E-03	3.00E-01
4.00E+00	2.99E-01	2.91E-01	4.09E-08	4.55E-04	2.99E-01
5.00E+00	2.99E-01	2.89E-01	1.52E-08	3.73E-04	2.99E-01
6.00E+00	2.99E-01	2.86E-01	0.00E+00	4.42E-04	2.99E-01
7.00E+00	2.98E-01	2.84E-01	0.00E+00	5.15E-04	2.98E-01
8.00E+00	2.97E-01	2.82E-01	0.00E+00	5.84E-04	2.97E-01
9.00E+00	2.97E-01	2.80E-01	0.00E+00	6.48E-04	2.97E-01
1.00E+01	2.96E-01	2.78E-01	0.00E+00	7.08E-04	2.96E-01
2.00E+01	2.86E-01	2.58E-01	0.00E+00	1.12E-03	2.86E-01
3.00E+01	2.74E-01	2.41E-01	0.00E+00	1.30E-03	2.74E-01
4.00E+01	2.60E-01	2.26E-01	0.00E+00	1.36E-03	2.60E-01
5.00E+01	2.46E-01	2.12E-01	0.00E+00	1.35E-03	2.46E-01
6.00E+01	2.32E-01	1.99E-01	0.00E+00	1.31E-03	2.32E-01
7.00E+01	2.19E-01	1.88E-01	0.00E+00	1.26E-03	2.19E-01
8.00E+01	2.06E-01	1.76E-01	0.00E+00	1.19E-03	2.06E-01
9.00E+01	1.94E-01	1.66E-01	0.00E+00	1.13E-03	1.94E-01
1.00E+02	1.83E-01	1.56E-01	0.00E+00	1.07E-03	1.83E-01
2.00E+02	9.98E-02	8.53E-02	0.00E+00	5.88E-04	9.98E-02
3.00E+02	5.45E-02	4.66E-02	0.00E+00	3.21E-04	5.45E-02
4.00E+02	2.98E-02	2.54E-02	0.00E+00	1.76E-04	2.98E-02
5.00E+02	1.63E-02	1.39E-02	0.00E+00	9.56E-05	1.63E-02
6.00E+02	8.88E-03	7.59E-03	0.00E+00	5.23E-05	8.88E-03
7.00E+02	4.85E-03	4.14E-03	0.00E+00	2.85E-05	4.85E-03
8.00E+02	2.65E-03	2.26E-03	0.00E+00	1.56E-05	2.65E-03
9.00E+02	1.45E-03	1.24E-03	0.00E+00	8.51E-06	1.45E-03
1.00E+03	7.89E-04	6.75E-04	0.00E+00	4.65E-06	7.89E-04
2.00E+03	1.86E-06	1.59E-06	0.00E+00	1.10E-08	1.86E-06

INGESTION

$f_1 = 1.00E+00$

STABLE

IODINE 127

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		1.08E-01		4.12E-09
2.00E-01		2.46E-01		2.10E-08
3.00E-01		3.55E-01		4.92E-08
4.00E-01		4.39E-01		8.57E-08
5.00E-01		5.02E-01		1.28E-07
6.00E-01		5.50E-01		1.73E-07
7.00E-01		5.86E-01		2.21E-07
8.00E-01		6.14E-01		2.69E-07
9.00E-01		6.35E-01		3.17E-07
1.00E+00	6.50E-01	6.50E-01	3.65E-07	3.65E-07
2.00E+00	4.66E-02	6.97E-01	3.59E-07	7.24E-07
3.00E+00	3.11E-03	7.00E-01	1.68E-07	8.92E-07
4.00E+00	4.69E-04	7.01E-01	6.74E-08	9.59E-07
5.00E+00	3.85E-04	7.01E-01	2.57E-08	9.85E-07
6.00E+00	4.56E-04	7.01E-01	0.00E+00	9.94E-07
7.00E+00	5.31E-04	7.02E-01	0.00E+00	9.98E-07
8.00E+00	6.02E-04	7.03E-01	0.00E+00	9.99E-07
9.00E+00	6.68E-04	7.03E-01	0.00E+00	1.00E-06
1.00E+01	7.30E-04	7.04E-01	0.00E+00	1.00E-06
2.00E+01	1.15E-03	7.14E-01	0.00E+00	1.00E-06
3.00E+01	1.34E-03	7.26E-01	0.00E+00	1.00E-06
4.00E+01	1.40E-03	7.40E-01	0.00E+00	1.00E-06
5.00E+01	1.39E-03	7.54E-01	0.00E+00	1.00E-06
6.00E+01	1.35E-03	7.68E-01	0.00E+00	1.00E-06
7.00E+01	1.30E-03	7.81E-01	0.00E+00	1.00E-06
8.00E+01	1.23E-03	7.94E-01	0.00E+00	1.00E-06
9.00E+01	1.17E-03	8.06E-01	0.00E+00	1.00E-06
1.00E+02	1.10E-03	8.17E-01	0.00E+00	1.00E-06
2.00E+02	6.06E-04	9.00E-01	0.00E+00	1.00E-06
3.00E+02	3.31E-04	9.45E-01	0.00E+00	1.00E-06
4.00E+02	1.81E-04	9.70E-01	0.00E+00	1.00E-06
5.00E+02	9.86E-05	9.84E-01	0.00E+00	1.00E-06
6.00E+02	5.39E-05	9.91E-01	0.00E+00	1.00E-06
7.00E+02	2.94E-05	9.95E-01	0.00E+00	1.00E-06
8.00E+02	1.61E-05	9.97E-01	0.00E+00	1.00E-06
9.00E+02	8.77E-06	9.99E-01	0.00E+00	1.00E-06
1.00E+03	4.79E-06	9.99E-01	0.00E+00	1.00E-06
2.00E+03	1.13E-08	1.00E+00	0.00E+00	1.00E-06

INGESTION

 $f_1 = 1.00E+00$

HALFLIFE= 5.73E+09 DAYS

IODINE 129

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	THYROID	GI TRACT	24-HOUR URINE	TOTAL BODY
1.00E-01	8.01E-01	4.65E-02	9.07E-02		8.92E-01
2.00E-01	7.46E-01	1.05E-01	8.23E-03		7.54E-01
3.00E-01	6.44E-01	1.52E-01	7.48E-04		6.45E-01
4.00E-01	5.61E-01	1.88E-01	6.86E-05		5.61E-01
5.00E-01	4.98E-01	2.15E-01	7.02E-06		4.98E-01
6.00E-01	4.50E-01	2.35E-01	1.38E-06		4.50E-01
7.00E-01	4.14E-01	2.50E-01	8.30E-07		4.14E-01
8.00E-01	3.86E-01	2.62E-01	7.35E-07		3.86E-01
9.00E-01	3.65E-01	2.71E-01	6.83E-07		3.65E-01
1.00E+00	3.50E-01	2.77E-01	6.35E-07	6.31E-01	3.50E-01
2.00E+00	3.03E-01	2.95E-01	2.76E-07	4.52E-02	3.03E-01
3.00E+00	3.00E-01	2.93E-01	1.08E-07	3.02E-02	3.00E-01
4.00E+00	2.99E-01	2.91E-01	4.09E-08	4.55E-04	2.99E-01
5.00E+00	2.99E-01	2.89E-01	1.52E-08	3.73E-04	2.99E-01
6.00E+00	2.99E-01	2.86E-01	0.00E+00	4.42E-04	2.99E-01
7.00E+00	2.98E-01	2.84E-01	0.00E+00	5.15E-04	2.98E-01
8.00E+00	2.97E-01	2.82E-01	0.00E+00	5.84E-04	2.97E-01
9.00E+00	2.97E-01	2.80E-01	0.00E+00	6.48E-04	2.97E-01
1.00E+01	2.96E-01	2.78E-01	0.00E+00	7.08E-04	2.96E-01
2.00E+01	2.86E-01	2.58E-01	0.00E+00	1.12E-03	2.86E-01
3.00E+01	2.74E-01	2.41E-01	0.00E+00	1.30E-03	2.74E-01
4.00E+01	2.60E-01	2.26E-01	0.00E+00	1.36E-03	2.60E-01
5.00E+01	2.46E-01	2.12E-01	0.00E+00	1.35E-03	2.46E-01
6.00E+01	2.32E-01	1.99E-01	0.00E+00	1.31E-03	2.32E-01
7.00E+01	2.19E-01	1.88E-01	0.00E+00	1.26E-03	2.19E-01
8.00E+01	2.06E-01	1.76E-01	0.00E+00	1.19E-03	2.06E-01
9.00E+01	1.94E-01	1.66E-01	0.00E+00	1.13E-03	1.94E-01
1.00E+02	1.83E-01	1.56E-01	0.00E+00	1.07E-03	1.83E-01
2.00E+02	9.98E-02	8.53E-02	0.00E+00	5.88E-04	9.98E-02
3.00E+02	5.45E-02	4.66E-02	0.00E+00	3.21E-04	5.45E-02
4.00E+02	2.98E-02	2.54E-02	0.00E+00	1.76E-04	2.98E-02
5.00E+02	1.63E-02	1.39E-02	0.00E+00	9.56E-05	1.63E-02
6.00E+02	8.88E-03	7.59E-03	0.00E+00	5.23E-05	8.88E-03
7.00E+02	4.85E-03	4.14E-03	0.00E+00	2.85E-05	4.85E-03
8.00E+02	2.65E-03	2.26E-03	0.00E+00	1.56E-05	2.65E-03
9.00E+02	1.45E-03	1.24E-03	0.00E+00	8.51E-06	1.45E-03
1.00E+03	7.89E-04	6.75E-04	0.00E+00	4.65E-06	7.89E-04
2.00E+03	1.86E-06	1.59E-06	0.00E+00	1.10E-08	1.86E-06

INGESTION

$f_1 = 1.00E+00$

HALFLIFE= 5.73E+09 DAYS

IODINE 129

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		1.08E-01		4.12E-09
2.00E-01		2.46E-01		2.10E-08
3.00E-01		3.55E-01		4.92E-08
4.00E-01		4.39E-01		8.57E-08
5.00E-01		5.02E-01		1.28E-07
6.00E-01		5.50E-01		1.73E-07
7.00E-01		5.86E-01		2.21E-07
8.00E-01		6.14E-01		2.69E-07
9.00E-01		6.35E-01		3.17E-07
1.00E+00	6.50E-01	6.50E-01	3.65E-07	3.65E-07
2.00E+00	4.66E-02	6.97E-01	3.59E-07	7.24E-07
3.00E+00	3.11E-03	7.00E-01	1.68E-07	8.92E-07
4.00E+00	4.69E-04	7.01E-01	6.74E-08	9.59E-07
5.00E+00	3.85E-04	7.01E-01	2.57E-08	9.85E-07
6.00E+00	4.56E-04	7.01E-01	0.00E+00	9.94E-07
7.00E+00	5.31E-04	7.02E-01	0.00E+00	9.98E-07
8.00E+00	6.02E-04	7.03E-01	0.00E+00	9.99E-07
9.00E+00	6.68E-04	7.03E-01	0.00E+00	1.00E-06
1.00E+01	7.30E-04	7.04E-01	0.00E+00	1.00E-06
2.00E+01	1.15E-03	7.14E-01	0.00E+00	1.00E-06
3.00E+01	1.34E-03	7.26E-01	0.00E+00	1.00E-06
4.00E+01	1.40E-03	7.40E-01	0.00E+00	1.00E-06
5.00E+01	1.39E-03	7.54E-01	0.00E+00	1.00E-06
6.00E+01	1.35E-03	7.68E-01	0.00E+00	1.00E-06
7.00E+01	1.30E-03	7.81E-01	0.00E+00	1.00E-06
8.00E+01	1.23E-03	7.94E-01	0.00E+00	1.00E-06
9.00E+01	1.17E-03	8.06E-01	0.00E+00	1.00E-06
1.00E+02	1.10E-03	8.17E-01	0.00E+00	1.00E-06
2.00E+02	6.06E-04	9.00E-01	0.00E+00	1.00E-06
3.00E+02	3.31E-04	9.45E-01	0.00E+00	1.00E-06
4.00E+02	1.81E-04	9.70E-01	0.00E+00	1.00E-06
5.00E+02	9.86E-05	9.84E-01	0.00E+00	1.00E-06
6.00E+02	5.39E-05	9.91E-01	0.00E+00	1.00E-06
7.00E+02	2.94E-05	9.95E-01	0.00E+00	1.00E-06
8.00E+02	1.61E-05	9.97E-01	0.00E+00	1.00E-06
9.00E+02	8.77E-06	9.99E-01	0.00E+00	1.00E-06
1.00E+03	4.79E-06	9.99E-01	0.00E+00	1.00E-06
2.00E+03	1.13E-08	1.00E+00	0.00E+00	1.00E-06

INGESTION

$f_1 = 1.00E+00$

HALFLIFE= 8.04E+00 DAYS

IODINE 131

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	THYROID	GI TRACT	24-HOUR URINE	TOTAL BODY
1.00E-01	7.94E-01	4.61E-02	8.99E-02		8.84E-01
2.00E-01	7.33E-01	1.04E-01	8.09E-03		7.41E-01
3.00E-01	6.27E-01	1.48E-01	7.28E-04		6.28E-01
4.00E-01	5.42E-01	1.81E-01	6.63E-05		5.42E-01
5.00E-01	4.77E-01	2.06E-01	6.72E-06		4.77E-01
6.00E-01	4.27E-01	2.23E-01	1.31E-06		4.27E-01
7.00E-01	3.90E-01	2.36E-01	7.81E-07		3.90E-01
8.00E-01	3.61E-01	2.44E-01	6.86E-07		3.61E-01
9.00E-01	3.38E-01	2.50E-01	6.32E-07		3.38E-01
1.00E+00	3.21E-01	2.54E-01	5.83E-07	5.79E-01	3.21E-01
2.00E+00	2.55E-01	2.48E-01	2.32E-07	3.80E-02	2.55E-01
3.00E+00	2.32E-01	2.27E-01	8.36E-08	2.33E-03	2.32E-01
4.00E+00	2.12E-01	2.06E-01	2.90E-08	3.22E-04	2.12E-01
5.00E+00	1.94E-01	1.88E-01	0.00E+00	2.43E-04	1.94E-01
6.00E+00	1.78E-01	1.71E-01	0.00E+00	2.64E-04	1.78E-01
7.00E+00	1.63E-01	1.55E-01	0.00E+00	2.81E-04	1.63E-01
8.00E+00	1.49E-01	1.42E-01	0.00E+00	2.93E-04	1.49E-01
9.00E+00	1.37E-01	1.29E-01	0.00E+00	2.99E-04	1.37E-01
1.00E+01	1.25E-01	1.17E-01	0.00E+00	2.99E-04	1.25E-01
2.00E+01	5.10E-02	4.61E-02	0.00E+00	2.00E-04	5.10E-02
3.00E+01	2.06E-02	1.82E-02	0.00E+00	9.80E-05	2.06E-02
4.00E+01	8.26E-03	7.21E-03	0.00E+00	4.32E-05	8.26E-03
5.00E+01	3.30E-03	2.86E-03	0.00E+00	1.81E-05	3.30E-03
6.00E+01	1.31E-03	1.14E-03	0.00E+00	7.45E-06	1.31E-03
7.00E+01	5.23E-04	4.52E-04	0.00E+00	3.02E-06	5.23E-04
8.00E+01	2.08E-04	1.80E-04	0.00E+00	1.21E-06	2.08E-04
9.00E+01	8.28E-05	7.16E-05	0.00E+00	4.86E-07	8.28E-05
1.00E+02	3.29E-05	2.85E-05	0.00E+00	1.93E-07	3.29E-05

INGESTION

$f_1 = 1.00E+00$

HALFLIFE= 8.04E+00 DAYS

IODINE 131

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		1.07E-01		4.09E-09
2.00E-01		2.42E-01		2.07E-08
3.00E-01		3.46E-01		4.80E-08
4.00E-01		4.24E-01		8.28E-08
5.00E-01		4.81E-01		1.22E-07
6.00E-01		5.22E-01		1.65E-07
7.00E-01		5.52E-01		2.08E-07
8.00E-01		5.73E-01		2.51E-07
9.00E-01		5.87E-01		2.94E-07
1.00E+00	5.97E-01	5.97E-01	3.34E-07	3.34E-07
2.00E+00	3.92E-02	5.87E-01	3.02E-07	6.09E-07
3.00E+00	2.40E-03	5.41E-01	1.30E-07	6.88E-07
4.00E+00	3.32E-04	4.96E-01	4.77E-08	6.79E-07
5.00E+00	2.50E-04	4.55E-01	1.67E-08	6.40E-07
6.00E+00	2.72E-04	4.18E-01	0.00E+00	5.93E-07
7.00E+00	2.90E-04	3.84E-01	0.00E+00	5.46E-07
8.00E+00	3.02E-04	3.52E-01	0.00E+00	5.01E-07
9.00E+00	3.08E-04	3.24E-01	0.00E+00	4.60E-07
1.00E+01	3.08E-04	2.97E-01	0.00E+00	4.22E-07
2.00E+01	2.06E-04	1.27E-01	0.00E+00	1.78E-07
3.00E+01	1.01E-04	5.47E-02	0.00E+00	7.53E-08
4.00E+01	4.45E-05	2.35E-02	0.00E+00	3.18E-08
5.00E+01	1.87E-05	1.01E-02	0.00E+00	1.34E-08
6.00E+01	7.68E-06	4.35E-03	0.00E+00	5.67E-09
7.00E+01	3.11E-06	1.87E-03	0.00E+00	2.39E-09
8.00E+01	1.25E-06	8.03E-04	0.00E+00	1.01E-09
9.00E+01	4.99E-07	3.44E-04	0.00E+00	4.27E-10
1.00E+02	1.99E-07	1.47E-04	0.00E+00	1.80E-10

INGESTION $f_1 = 1.00E+00$ HALFLIFE= 9.58E-02 DAYS IODINE 132

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:				
	SYSTEMIC ORGANS	THYROID	GI TRACT	24-HOUR URINE	TOTAL BODY
1.00E-01	3.88E-01	2.25E-02	4.40E-02		4.32E-01
2.00E-01	1.75E-01	2.49E-02	1.94E-03		1.77E-01
3.00E-01	7.35E-02	1.73E-02	8.53E-05		7.36E-02
4.00E-01	3.11E-02	1.04E-02	3.80E-06		3.11E-02
5.00E-01	1.34E-02	5.78E-03	1.88E-07		1.34E-02
6.00E-01	5.86E-03	3.06E-03	1.80E-08		5.86E-03
7.00E-01	2.61E-03	1.58E-03	0.00E+00		2.61E-03
8.00E-01	1.18E-03	8.01E-04	0.00E+00		1.18E-03
9.00E-01	5.43E-04	4.02E-04	0.00E+00		5.43E-04
1.00E+00	2.52E-04	2.00E-04	0.00E+00	4.55E-04	2.52E-04
2.00E+00	1.57E-07	1.53E-07	0.00E+00	2.35E-08	1.57E-07

INGESTION $f_1 = 1.00E+00$ HALFLIFE= 9.58E-02 DAYS IODINE 132

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		5.26E-02		2.00E-09
2.00E-01		5.79E-02		4.94E-09
3.00E-01		4.05E-02		5.62E-09
4.00E-01		2.43E-02		4.74E-09
5.00E-01		1.35E-02		3.43E-09
6.00E-01		7.16E-03		2.26E-09
7.00E-01		3.70E-03		1.40E-09
8.00E-01		1.88E-03		8.25E-10
9.00E-01		9.43E-04		4.72E-10
1.00E+00	4.69E-04	4.69E-04	0.00E+00	2.63E-10
2.00E+00	2.42E-08	3.62E-07	0.00E+00	3.76E-13

INGESTION

$f_1 = 1.00E+00$

STABLE

CESIUM 133

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	9.07E-01	9.07E-02	9.98E-01
2.00E-01	9.86E-01	8.23E-03	9.94E-01
3.00E-01	9.89E-01	7.48E-04	9.90E-01
4.00E-01	9.86E-01	6.86E-05	9.86E-01
5.00E-01	9.83E-01	7.02E-06	9.83E-01
6.00E-01	9.79E-01	1.38E-06	9.79E-01
7.00E-01	9.76E-01	8.30E-07	9.76E-01
8.00E-01	9.73E-01	7.35E-07	9.73E-01
9.00E-01	9.69E-01	6.83E-07	9.69E-01
1.00E+00	9.66E-01	6.35E-07	9.66E-01
2.00E+00	9.40E-01	2.76E-07	9.40E-01
3.00E+00	9.19E-01	1.08E-07	9.19E-01
4.00E+00	9.03E-01	4.09E-08	9.03E-01
5.00E+00	8.90E-01	1.52E-08	8.90E-01
6.00E+00	8.79E-01	0.00E+00	8.79E-01
7.00E+00	8.70E-01	0.00E+00	8.70E-01
8.00E+00	8.62E-01	0.00E+00	8.62E-01
9.00E+00	8.55E-01	0.00E+00	8.55E-01
1.00E+01	8.48E-01	0.00E+00	8.48E-01
2.00E+01	7.94E-01	0.00E+00	7.94E-01
3.00E+01	7.45E-01	0.00E+00	7.45E-01
4.00E+01	7.00E-01	0.00E+00	7.00E-01
5.00E+01	6.57E-01	0.00E+00	6.57E-01
6.00E+01	6.17E-01	0.00E+00	6.17E-01
7.00E+01	5.79E-01	0.00E+00	5.79E-01
8.00E+01	5.44E-01	0.00E+00	5.44E-01
9.00E+01	5.11E-01	0.00E+00	5.11E-01
1.00E+02	4.79E-01	0.00E+00	4.79E-01
2.00E+02	2.55E-01	0.00E+00	2.55E-01
3.00E+02	1.36E-01	0.00E+00	1.36E-01
4.00E+02	7.24E-02	0.00E+00	7.24E-02
5.00E+02	3.86E-02	0.00E+00	3.86E-02
6.00E+02	2.05E-02	0.00E+00	2.05E-02
7.00E+02	1.09E-02	0.00E+00	1.09E-02
8.00E+02	5.83E-03	0.00E+00	5.83E-03
9.00E+02	3.10E-03	0.00E+00	3.10E-03
1.00E+03	1.65E-03	0.00E+00	1.65E-03
2.00E+03	3.04E-06	0.00E+00	3.04E-06

INGESTION

 $f_1 = 1.00E+00$

STABLE

CESIUM 133

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	24-HOUR URINE	ACCUMULATED URINE	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		1.98E-03		4.96E-04
2.00E-01		5.00E-03		1.25E-03
3.00E-01		8.02E-03		2.01E-03
4.00E-01		1.10E-02		2.74E-03
5.00E-01		1.38E-02		3.46E-03
6.00E-01		1.66E-02		4.15E-03
7.00E-01		1.93E-02		4.83E-03
8.00E-01		2.19E-02		5.48E-03
9.00E-01		2.45E-02		6.12E-03
1.00E+00	2.70E-02	2.70E-02	6.74E-03	6.74E-03
2.00E+00	2.13E-02	4.83E-02	5.33E-03	1.21E-02
3.00E+00	1.64E-02	6.46E-02	4.09E-03	1.62E-02
4.00E+00	1.28E-02	7.75E-02	3.21E-03	1.94E-02
5.00E+00	1.04E-02	8.78E-02	2.59E-03	2.20E-02
6.00E+00	8.58E-03	9.64E-02	2.15E-03	2.41E-02
7.00E+00	7.32E-03	1.04E-01	1.83E-03	2.59E-02
8.00E+00	6.43E-03	1.10E-01	1.61E-03	2.75E-02
9.00E+00	5.78E-03	1.16E-01	1.45E-03	2.90E-02
1.00E+01	5.32E-03	1.21E-01	1.33E-03	3.03E-02
2.00E+01	4.05E-03	1.65E-01	1.01E-03	4.12E-02
3.00E+01	3.77E-03	2.04E-01	9.42E-04	5.10E-02
4.00E+01	3.54E-03	2.40E-01	8.84E-04	6.01E-02
5.00E+01	3.32E-03	2.74E-01	8.30E-04	6.86E-02
6.00E+01	3.12E-03	3.07E-01	7.80E-04	7.66E-02
7.00E+01	2.93E-03	3.37E-01	7.32E-04	8.42E-02
8.00E+01	2.75E-03	3.65E-01	6.87E-04	9.12E-02
9.00E+01	2.58E-03	3.91E-01	6.45E-04	9.79E-02
1.00E+02	2.42E-03	4.16E-01	6.06E-04	1.04E-01
2.00E+02	1.29E-03	5.96E-01	3.23E-04	1.49E-01
3.00E+02	6.88E-04	6.91E-01	1.72E-04	1.73E-01
4.00E+02	3.66E-04	7.42E-01	9.16E-05	1.86E-01
5.00E+02	1.95E-04	7.69E-01	4.88E-05	1.92E-01
6.00E+02	1.04E-04	7.84E-01	2.60E-05	1.96E-01
7.00E+02	5.53E-05	7.91E-01	1.38E-05	1.98E-01
8.00E+02	2.95E-05	7.95E-01	7.37E-06	1.99E-01
9.00E+02	1.57E-05	7.98E-01	3.92E-06	1.99E-01
1.00E+03	8.36E-06	7.99E-01	2.09E-06	2.00E-01
2.00E+03	1.53E-08	8.00E-01	0.00E+00	2.00E-01

INGESTION

$f_1 = 1.00E+00$

HALFLIFE= 1.10E+04 DAYS

CESIUM 137

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	9.07E-01	9.07E-02	9.98E-01
2.00E-01	9.86E-01	8.23E-03	9.94E-01
3.00E-01	9.89E-01	7.48E-04	9.90E-01
4.00E-01	9.86E-01	6.86E-05	9.86E-01
5.00E-01	9.83E-01	7.02E-06	9.83E-01
6.00E-01	9.79E-01	1.38E-06	9.79E-01
7.00E-01	9.76E-01	8.29E-07	9.76E-01
8.00E-01	9.73E-01	7.35E-07	9.73E-01
9.00E-01	9.69E-01	6.83E-07	9.69E-01
1.00E+00	9.66E-01	6.35E-07	9.66E-01
2.00E+00	9.40E-01	2.76E-07	9.40E-01
3.00E+00	9.19E-01	1.08E-07	9.19E-01
4.00E+00	9.03E-01	4.09E-08	9.03E-01
5.00E+00	8.90E-01	1.52E-08	8.90E-01
6.00E+00	8.79E-01	0.00E+00	8.79E-01
7.00E+00	8.70E-01	0.00E+00	8.70E-01
8.00E+00	8.62E-01	0.00E+00	8.62E-01
9.00E+00	8.55E-01	0.00E+00	8.55E-01
1.00E+01	8.48E-01	0.00E+00	8.48E-01
2.00E+01	7.93E-01	0.00E+00	7.93E-01
3.00E+01	7.44E-01	0.00E+00	7.44E-01
4.00E+01	6.98E-01	0.00E+00	6.98E-01
5.00E+01	6.55E-01	0.00E+00	6.55E-01
6.00E+01	6.15E-01	0.00E+00	6.15E-01
7.00E+01	5.77E-01	0.00E+00	5.77E-01
8.00E+01	5.41E-01	0.00E+00	5.41E-01
9.00E+01	5.08E-01	0.00E+00	5.08E-01
1.00E+02	4.76E-01	0.00E+00	4.76E-01
2.00E+02	2.52E-01	0.00E+00	2.52E-01
3.00E+02	1.33E-01	0.00E+00	1.33E-01
4.00E+02	7.06E-02	0.00E+00	7.06E-02
5.00E+02	3.74E-02	0.00E+00	3.74E-02
6.00E+02	1.98E-02	0.00E+00	1.98E-02
7.00E+02	1.05E-02	0.00E+00	1.05E-02
8.00E+02	5.54E-03	0.00E+00	5.54E-03
9.00E+02	2.93E-03	0.00E+00	2.93E-03
1.00E+03	1.55E-03	0.00E+00	1.55E-03
2.00E+03	2.67E-06	0.00E+00	2.67E-06

INGESTION

$f_1 = 1.00E+00$

HALFLIFE= 1.10E+04 DAYS

CESIUM 137

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	24-HOUR URINE	ACCUMULATED URINE	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		1.98E-03		4.96E-04
2.00E-01		5.00E-03		1.25E-03
3.00E-01		8.02E-03		2.01E-03
4.00E-01		1.10E-02		2.74E-03
5.00E-01		1.38E-02		3.46E-03
6.00E-01		1.66E-02		4.15E-03
7.00E-01		1.93E-02		4.83E-03
8.00E-01		2.19E-02		5.48E-03
9.00E-01		2.45E-02		6.12E-03
1.00E+00	2.70E-02	2.70E-02	6.74E-03	6.74E-03
2.00E+00	2.13E-02	4.83E-02	5.33E-03	1.21E-02
3.00E+00	1.64E-02	6.46E-02	4.09E-03	1.62E-02
4.00E+00	1.28E-02	7.75E-02	3.21E-03	1.94E-02
5.00E+00	1.03E-02	8.78E-02	2.59E-03	2.20E-02
6.00E+00	8.58E-03	9.64E-02	2.14E-03	2.41E-02
7.00E+00	7.32E-03	1.04E-01	1.83E-03	2.59E-02
8.00E+00	6.42E-03	1.10E-01	1.61E-03	2.75E-02
9.00E+00	5.78E-03	1.16E-01	1.44E-03	2.90E-02
1.00E+01	5.32E-03	1.21E-01	1.33E-03	3.03E-02
2.00E+01	4.04E-03	1.65E-01	1.01E-03	4.12E-02
3.00E+01	3.76E-03	2.03E-01	9.40E-04	5.09E-02
4.00E+01	3.53E-03	2.40E-01	8.82E-04	5.99E-02
5.00E+01	3.31E-03	2.74E-01	8.28E-04	6.84E-02
6.00E+01	3.11E-03	3.05E-01	7.77E-04	7.63E-02
7.00E+01	2.92E-03	3.35E-01	7.29E-04	8.38E-02
8.00E+01	2.74E-03	3.63E-01	6.84E-04	9.08E-02
9.00E+01	2.57E-03	3.89E-01	6.42E-04	9.73E-02
1.00E+02	2.41E-03	4.14E-01	6.02E-04	1.03E-01
2.00E+02	1.27E-03	5.88E-01	3.19E-04	1.47E-01
3.00E+02	6.75E-04	6.78E-01	1.69E-04	1.70E-01
4.00E+02	3.57E-04	7.23E-01	8.93E-05	1.81E-01
5.00E+02	1.89E-04	7.45E-01	4.72E-05	1.86E-01
6.00E+02	1.00E-04	7.54E-01	2.50E-05	1.89E-01
7.00E+02	5.29E-05	7.57E-01	1.32E-05	1.89E-01
8.00E+02	2.80E-05	7.56E-01	7.00E-06	1.89E-01
9.00E+02	1.48E-05	7.53E-01	3.71E-06	1.88E-01
1.00E+03	7.85E-06	7.50E-01	1.96E-06	1.87E-01
2.00E+03	1.35E-08	7.05E-01	0.00E+00	1.76E-01

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	1.80E-02	9.67E-01	9.85E-01
2.00E-01	2.95E-02	9.30E-01	9.60E-01
3.00E-01	3.46E-02	9.00E-01	9.35E-01
4.00E-01	3.64E-02	8.70E-01	9.06E-01
5.00E-01	3.66E-02	8.37E-01	8.74E-01
6.00E-01	3.59E-02	8.01E-01	8.37E-01
7.00E-01	3.50E-02	7.62E-01	7.96E-01
8.00E-01	3.38E-02	7.20E-01	7.54E-01
9.00E-01	3.26E-02	6.78E-01	7.11E-01
1.00E+00	3.14E-02	6.36E-01	6.67E-01
2.00E+00	2.21E-02	2.87E-01	3.09E-01
3.00E+00	1.65E-02	1.14E-01	1.30E-01
4.00E+00	1.31E-02	4.32E-02	5.63E-02
5.00E+00	1.10E-02	1.61E-02	2.71E-02
6.00E+00	9.56E-03	5.95E-03	1.55E-02
7.00E+00	8.60E-03	2.19E-03	1.08E-02
8.00E+00	7.92E-03	8.08E-04	8.73E-03
9.00E+00	7.43E-03	2.97E-04	7.73E-03
1.00E+01	7.06E-03	1.09E-04	7.17E-03
2.00E+01	5.81E-03	0.00E+00	5.81E-03
3.00E+01	5.56E-03	0.00E+00	5.56E-03
4.00E+01	5.40E-03	0.00E+00	5.40E-03
5.00E+01	5.25E-03	0.00E+00	5.25E-03
6.00E+01	5.12E-03	0.00E+00	5.12E-03
7.00E+01	5.00E-03	0.00E+00	5.00E-03
8.00E+01	4.88E-03	0.00E+00	4.88E-03
9.00E+01	4.77E-03	0.00E+00	4.77E-03
1.00E+02	4.67E-03	0.00E+00	4.67E-03
2.00E+02	3.92E-03	0.00E+00	3.92E-03
3.00E+02	3.49E-03	0.00E+00	3.49E-03
4.00E+02	3.20E-03	0.00E+00	3.20E-03
5.00E+02	3.00E-03	0.00E+00	3.00E-03
6.00E+02	2.84E-03	0.00E+00	2.84E-03
7.00E+02	2.70E-03	0.00E+00	2.70E-03
8.00E+02	2.59E-03	0.00E+00	2.59E-03
9.00E+02	2.48E-03	0.00E+00	2.48E-03
1.00E+03	2.39E-03	0.00E+00	2.39E-03
2.00E+03	1.75E-03	0.00E+00	1.75E-03
3.00E+03	1.39E-03	0.00E+00	1.39E-03
4.00E+03	1.13E-03	0.00E+00	1.13E-03
5.00E+03	9.48E-04	0.00E+00	9.48E-04
7.00E+03	6.88E-04	0.00E+00	6.88E-04
8.00E+03	5.94E-04	0.00E+00	5.94E-04
9.00E+03	5.15E-04	0.00E+00	5.15E-04
1.00E+04	4.49E-04	0.00E+00	4.49E-04
2.00E+04	1.21E-04	0.00E+00	1.21E-04

INGESTION

 $f_1 = 1.00E-01$

STABLE

BARIUM 137

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	24-HOUR URINE	ACCUMULATED URINE	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		1.44E-03		1.36E-02
2.00E-01		3.43E-03		3.66E-02
3.00E-01		4.67E-03		6.07E-02
4.00E-01		5.40E-03		8.83E-02
5.00E-01		5.85E-03		1.21E-01
6.00E-01		6.15E-03		1.57E-01
7.00E-01		6.37E-03		1.97E-01
8.00E-01		6.55E-03		2.39E-01
9.00E-01		6.71E-03		2.83E-01
1.00E+00	6.84E-03	6.84E-03	3.26E-01	3.26E-01
2.00E+00	9.51E-04	7.79E-03	3.57E-01	6.84E-01
3.00E+00	5.57E-04	8.35E-03	1.78E-01	8.61E-01
4.00E+00	3.40E-04	8.69E-03	7.36E-02	9.35E-01
5.00E+00	2.15E-04	8.90E-03	2.90E-02	9.64E-01
6.00E+00	1.41E-04	9.04E-03	1.14E-02	9.75E-01
7.00E+00	9.61E-05	9.14E-03	4.62E-03	9.80E-01
8.00E+00	6.78E-05	9.21E-03	2.00E-03	9.82E-01
9.00E+00	4.94E-05	9.26E-03	9.55E-04	9.83E-01
1.00E+01	3.69E-05	9.29E-03	5.20E-04	9.84E-01
2.00E+01	4.48E-06	9.42E-03	4.03E-05	9.85E-01
3.00E+01	1.84E-06	9.44E-03	1.66E-05	9.85E-01
4.00E+01	1.50E-06	9.46E-03	1.35E-05	9.85E-01
5.00E+01	1.38E-06	9.47E-03	1.25E-05	9.85E-01
6.00E+01	1.29E-06	9.49E-03	1.16E-05	9.85E-01
7.00E+01	1.21E-06	9.50E-03	1.09E-05	9.86E-01
8.00E+01	1.13E-06	9.51E-03	1.02E-05	9.86E-01
9.00E+01	1.06E-06	9.52E-03	9.57E-06	9.86E-01
1.00E+02	9.98E-07	9.53E-03	8.98E-06	9.86E-01
2.00E+02	5.54E-07	9.61E-03	4.99E-06	9.86E-01
3.00E+02	3.42E-07	9.65E-03	3.07E-06	9.87E-01
4.00E+02	2.35E-07	9.68E-03	2.12E-06	9.87E-01
5.00E+02	1.79E-07	9.70E-03	1.61E-06	9.87E-01
6.00E+02	1.46E-07	9.72E-03	1.32E-06	9.87E-01
7.00E+02	1.25E-07	9.73E-03	1.13E-06	9.88E-01
8.00E+02	1.10E-07	9.74E-03	9.94E-07	9.88E-01
9.00E+02	9.91E-08	9.75E-03	8.92E-07	9.88E-01
1.00E+03	9.00E-08	9.76E-03	8.10E-07	9.88E-01
2.00E+03	4.57E-08	9.82E-03	4.11E-07	9.88E-01
3.00E+03	2.98E-08	9.86E-03	2.68E-07	9.89E-01
4.00E+03	2.15E-08	9.89E-03	1.93E-07	9.89E-01
5.00E+03	1.63E-08	9.91E-03	1.47E-07	9.89E-01
6.00E+03	1.28E-08	9.92E-03	1.15E-07	9.89E-01
7.00E+03	1.04E-08	9.93E-03	9.32E-08	9.89E-01

INGESTION

 $f_1 = 1.00E-01$

HALFLIFE= 1.27E+01 DAYS

BARIUM 140

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	1.79E-02	9.62E-01	9.80E-01
2.00E-01	2.92E-02	9.20E-01	9.50E-01
3.00E-01	3.40E-02	8.85E-01	9.19E-01
4.00E-01	3.56E-02	8.51E-01	8.87E-01
5.00E-01	3.56E-02	8.14E-01	8.50E-01
6.00E-01	3.48E-02	7.75E-01	8.10E-01
7.00E-01	3.36E-02	7.33E-01	7.67E-01
8.00E-01	3.24E-02	6.90E-01	7.22E-01
9.00E-01	3.10E-02	6.46E-01	6.77E-01
1.00E+00	2.98E-02	6.02E-01	6.32E-01
2.00E+00	1.98E-02	2.57E-01	2.77E-01
3.00E+00	1.40E-02	9.66E-02	1.11E-01
4.00E+00	1.06E-02	3.47E-02	4.53E-02
5.00E+00	8.36E-03	1.23E-02	2.06E-02
6.00E+00	6.90E-03	4.29E-03	1.12E-02
7.00E+00	5.88E-03	1.50E-03	7.38E-03
8.00E+00	5.13E-03	5.23E-04	5.65E-03
9.00E+00	4.55E-03	1.82E-04	4.74E-03
1.00E+01	4.10E-03	6.35E-05	4.16E-03
2.00E+01	1.96E-03	0.00E+00	1.96E-03
3.00E+01	1.09E-03	0.00E+00	1.09E-03
4.00E+01	6.12E-04	0.00E+00	6.12E-04
5.00E+01	3.46E-04	0.00E+00	3.46E-04
6.00E+01	1.96E-04	0.00E+00	1.96E-04
7.00E+01	1.11E-04	0.00E+00	1.11E-04
8.00E+01	6.28E-05	0.00E+00	6.28E-05
9.00E+01	3.56E-05	0.00E+00	3.56E-05
1.00E+02	2.02E-05	0.00E+00	2.02E-05
2.00E+02	7.37E-08	0.00E+00	7.37E-08

INGESTION

$f_1 = 1.00E-01$

HALFLIFE= 1.27E+01 DAYS

BARIUM 140

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	24-HOUR URINE	ACCUMULATED URINE	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		1.43E-03		1.35E-02
2.00E-01		3.40E-03		3.62E-02
3.00E-01		4.60E-03		5.97E-02
4.00E-01		5.28E-03		8.64E-02
5.00E-01		5.69E-03		1.17E-01
6.00E-01		5.95E-03		1.52E-01
7.00E-01		6.14E-03		1.90E-01
8.00E-01		6.27E-03		2.29E-01
9.00E-01		6.38E-03		2.69E-01
1.00E+00	6.48E-03	6.48E-03	3.09E-01	3.09E-01
2.00E+00	8.53E-04	6.99E-03	3.21E-01	6.13E-01
3.00E+00	4.73E-04	7.09E-03	1.51E-01	7.32E-01
4.00E+00	2.73E-04	6.99E-03	5.92E-02	7.52E-01
5.00E+00	1.64E-04	6.78E-03	2.21E-02	7.34E-01
6.00E+00	1.02E-04	6.52E-03	8.23E-03	7.04E-01
7.00E+00	6.56E-05	6.25E-03	3.16E-03	6.70E-01
8.00E+00	4.39E-05	5.96E-03	1.29E-03	6.35E-01
9.00E+00	3.03E-05	5.67E-03	5.85E-04	6.02E-01
1.00E+01	2.14E-05	5.39E-03	3.02E-04	5.71E-01
2.00E+01	1.51E-06	3.17E-03	1.36E-05	3.32E-01
3.00E+01	3.60E-07	1.85E-03	3.24E-06	1.93E-01
4.00E+01	1.70E-07	1.07E-03	1.53E-06	1.12E-01
5.00E+01	9.12E-08	6.24E-04	8.20E-07	6.49E-02
6.00E+01	4.94E-08	3.63E-04	4.45E-07	3.77E-02
7.00E+01	2.69E-08	2.11E-04	2.42E-07	2.19E-02
8.00E+01	1.46E-08	1.22E-04	1.31E-07	1.27E-02

INGESTION

 $f_1 = 1.00E-03$

STABLE

LANTHANUM 139

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	2.99E-04	9.99E-01	9.99E-01
2.00E-01	6.01E-04	9.93E-01	9.94E-01
3.00E-01	7.80E-04	9.80E-01	9.81E-01
4.00E-01	8.79E-04	9.58E-01	9.58E-01
5.00E-01	9.34E-04	9.27E-01	9.28E-01
6.00E-01	9.64E-04	8.91E-01	8.92E-01
7.00E-01	9.80E-04	8.50E-01	8.51E-01
8.00E-01	9.89E-04	8.05E-01	8.06E-01
9.00E-01	9.94E-04	7.59E-01	7.60E-01
1.00E+00	9.97E-04	7.13E-01	7.14E-01
2.00E+00	1.00E-03	3.23E-01	3.24E-01
3.00E+00	9.99E-04	1.29E-01	1.30E-01
4.00E+00	9.99E-04	4.88E-02	4.98E-02
5.00E+00	9.99E-04	1.82E-02	1.92E-02
6.00E+00	9.99E-04	6.74E-03	7.73E-03
7.00E+00	9.99E-04	2.48E-03	3.48E-03
8.00E+00	9.98E-04	9.15E-04	1.91E-03
9.00E+00	9.98E-04	3.37E-04	1.33E-03
1.00E+01	9.98E-04	1.24E-04	1.12E-03
2.00E+01	9.96E-04	0.00E+00	9.96E-04
3.00E+01	9.94E-04	0.00E+00	9.94E-04
4.00E+01	9.92E-04	0.00E+00	9.92E-04
5.00E+01	9.90E-04	0.00E+00	9.90E-04
6.00E+01	9.88E-04	0.00E+00	9.88E-04
7.00E+01	9.86E-04	0.00E+00	9.86E-04
8.00E+01	9.84E-04	0.00E+00	9.84E-04
9.00E+01	9.82E-04	0.00E+00	9.82E-04
1.00E+02	9.80E-04	0.00E+00	9.80E-04
2.00E+02	9.61E-04	0.00E+00	9.61E-04
3.00E+02	9.42E-04	0.00E+00	9.42E-04
4.00E+02	9.24E-04	0.00E+00	9.24E-04
5.00E+02	9.06E-04	0.00E+00	9.06E-04
6.00E+02	8.88E-04	0.00E+00	8.88E-04
7.00E+02	8.71E-04	0.00E+00	8.71E-04
8.00E+02	8.54E-04	0.00E+00	8.54E-04
9.00E+02	8.37E-04	0.00E+00	8.37E-04
1.00E+03	8.20E-04	0.00E+00	8.20E-04
2.00E+03	6.73E-04	0.00E+00	6.73E-04
3.00E+03	5.52E-04	0.00E+00	5.52E-04
4.00E+03	4.53E-04	0.00E+00	4.53E-04
5.00E+03	3.72E-04	0.00E+00	3.72E-04
7.00E+03	2.50E-04	0.00E+00	2.50E-04
8.00E+03	2.05E-04	0.00E+00	2.05E-04
9.00E+03	1.68E-04	0.00E+00	1.68E-04
1.00E+04	1.38E-04	0.00E+00	1.38E-04
2.00E+04	1.91E-05	0.00E+00	1.91E-05

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		0.00E+00		6.10E-04
2.00E-01		0.00E+00		5.90E-03
3.00E-01		0.00E+00		1.94E-02
4.00E-01		0.00E+00		4.16E-02
5.00E-01		0.00E+00		7.18E-02
6.00E-01		0.00E+00		1.08E-01
7.00E-01		0.00E+00		1.49E-01
8.00E-01		0.00E+00		1.94E-01
9.00E-01		0.00E+00		2.40E-01
1.00E+00	0.00E+00	0.00E+00	2.86E-01	2.86E-01
2.00E+00	0.00E+00	0.00E+00	3.90E-01	6.76E-01
3.00E+00	0.00E+00	0.00E+00	1.95E-01	8.71E-01
4.00E+00	0.00E+00	0.00E+00	7.98E-02	9.51E-01
5.00E+00	0.00E+00	0.00E+00	3.07E-02	9.81E-01
6.00E+00	0.00E+00	0.00E+00	1.15E-02	9.93E-01
7.00E+00	0.00E+00	0.00E+00	4.26E-03	9.97E-01
8.00E+00	0.00E+00	0.00E+00	1.57E-03	9.99E-01
9.00E+00	0.00E+00	0.00E+00	5.79E-04	9.99E-01
1.00E+01	0.00E+00	0.00E+00	2.13E-04	1.00E+00
2.00E+01	0.00E+00	0.00E+00	0.00E+00	1.00E+00
3.00E+01	0.00E+00	0.00E+00	0.00E+00	1.00E+00
4.00E+01	0.00E+00	0.00E+00	0.00E+00	1.00E+00
5.00E+01	0.00E+00	0.00E+00	0.00E+00	1.00E+00
6.00E+01	0.00E+00	0.00E+00	0.00E+00	1.00E+00
7.00E+01	0.00E+00	0.00E+00	0.00E+00	1.00E+00
8.00E+01	0.00E+00	0.00E+00	0.00E+00	1.00E+00
9.00E+01	0.00E+00	0.00E+00	0.00E+00	1.00E+00
1.00E+02	0.00E+00	0.00E+00	0.00E+00	1.00E+00
2.00E+02	0.00E+00	0.00E+00	0.00E+00	1.00E+00
3.00E+02	0.00E+00	0.00E+00	0.00E+00	1.00E+00
4.00E+02	0.00E+00	0.00E+00	0.00E+00	1.00E+00
5.00E+02	0.00E+00	0.00E+00	0.00E+00	1.00E+00
6.00E+02	0.00E+00	0.00E+00	0.00E+00	1.00E+00
7.00E+02	0.00E+00	0.00E+00	0.00E+00	1.00E+00
8.00E+02	0.00E+00	0.00E+00	0.00E+00	1.00E+00
9.00E+02	0.00E+00	0.00E+00	0.00E+00	1.00E+00
1.00E+03	0.00E+00	0.00E+00	0.00E+00	1.00E+00
2.00E+03	0.00E+00	0.00E+00	0.00E+00	1.00E+00
3.00E+03	0.00E+00	0.00E+00	0.00E+00	1.00E+00
4.00E+03	0.00E+00	0.00E+00	0.00E+00	1.00E+00
5.00E+03	0.00E+00	0.00E+00	0.00E+00	1.00E+00
6.00E+03	0.00E+00	0.00E+00	0.00E+00	1.00E+00
7.00E+03	0.00E+00	0.00E+00	0.00E+00	1.00E+00
8.00E+03	0.00E+00	0.00E+00	0.00E+00	1.00E+00

INGESTION

$f_1 = 1.00E-03$

HALFLIFE= 1.68E+00 DAYS

LANTHANUM 140

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	2.87E-04	9.59E-01	9.59E-01
2.00E-01	5.54E-04	9.15E-01	9.15E-01
3.00E-01	6.89E-04	8.66E-01	8.66E-01
4.00E-01	7.45E-04	8.12E-01	8.12E-01
5.00E-01	7.59E-04	7.54E-01	7.55E-01
6.00E-01	7.52E-04	6.95E-01	6.96E-01
7.00E-01	7.34E-04	6.36E-01	6.37E-01
8.00E-01	7.11E-04	5.79E-01	5.79E-01
9.00E-01	6.85E-04	5.24E-01	5.24E-01
1.00E+00	6.59E-04	4.72E-01	4.72E-01
2.00E+00	4.38E-04	1.42E-01	1.42E-01
3.00E+00	2.89E-04	3.72E-02	3.75E-02
4.00E+00	1.91E-04	9.36E-03	9.55E-03
5.00E+00	1.27E-04	2.31E-03	2.43E-03
6.00E+00	8.38E-05	5.65E-04	6.49E-04
7.00E+00	5.54E-05	1.38E-04	1.93E-04
8.00E+00	3.67E-05	3.36E-05	7.02E-05
9.00E+00	2.42E-05	8.18E-06	3.24E-05
1.00E+01	1.60E-05	1.99E-06	1.80E-05
2.00E+01	2.57E-07	0.00E+00	2.57E-07

INGESTION

$f_1 = 1.00E-03$

HALFLIFE= 1.68E+00 DAYS

LANTHANUM 140

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		0.00E+00		5.71E-04
2.00E-01		0.00E+00		5.31E-03
3.00E-01		0.00E+00		1.67E-02
4.00E-01		0.00E+00		3.45E-02
5.00E-01		0.00E+00		5.72E-02
6.00E-01		0.00E+00		8.29E-02
7.00E-01		0.00E+00		1.10E-01
8.00E-01		0.00E+00		1.37E-01
9.00E-01		0.00E+00		1.63E-01
1.00E+00	0.00E+00	0.00E+00	1.87E-01	1.87E-01
2.00E+00	0.00E+00	0.00E+00	1.70E-01	2.94E-01
3.00E+00	0.00E+00	0.00E+00	5.70E-01	2.51E-01
4.00E+00	0.00E+00	0.00E+00	1.56E-02	1.82E-01
5.00E+00	0.00E+00	0.00E+00	3.98E-03	1.24E-01
6.00E+00	0.00E+00	0.00E+00	9.89E-04	8.32E-02
7.00E+00	0.00E+00	0.00E+00	2.43E-04	5.53E-02
8.00E+00	0.00E+00	0.00E+00	5.93E-05	3.66E-02

INGESTION

 $f_1 = 3.00E-04$

STABLE

CERIUM 140

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	8.96E-05	9.99E-01	9.99E-01
2.00E-01	1.80E-04	9.94E-01	9.94E-01
3.00E-01	2.34E-04	9.80E-01	9.81E-01
4.00E-01	2.64E-04	9.58E-01	9.58E-01
5.00E-01	2.80E-04	9.28E-01	9.28E-01
6.00E-01	2.89E-04	8.91E-01	8.92E-01
7.00E-01	2.94E-04	8.50E-01	8.51E-01
8.00E-01	2.97E-04	8.06E-01	8.06E-01
9.00E-01	2.98E-04	7.60E-01	7.60E-01
1.00E+00	2.99E-04	7.13E-01	7.14E-01
2.00E+00	3.00E-04	3.24E-01	3.24E-01
3.00E+00	3.00E-04	1.29E-01	1.29E-01
4.00E+00	3.00E-04	4.89E-02	4.92E-02
5.00E+00	3.00E-04	1.82E-02	1.85E-02
6.00E+00	3.00E-04	6.74E-03	7.04E-03
7.00E+00	3.00E-04	2.49E-03	2.79E-03
8.00E+00	3.00E-04	9.15E-04	1.21E-03
9.00E+00	2.99E-04	3.37E-04	6.36E-04
1.00E+01	2.99E-04	1.24E-04	4.23E-04
2.00E+01	2.99E-04	0.00E+00	2.99E-04
3.00E+01	2.98E-04	0.00E+00	2.98E-04
4.00E+01	2.98E-04	0.00E+00	2.98E-04
5.00E+01	2.97E-04	0.00E+00	2.97E-04
6.00E+01	2.96E-04	0.00E+00	2.96E-04
7.00E+01	2.96E-04	0.00E+00	2.96E-04
8.00E+01	2.95E-04	0.00E+00	2.95E-04
9.00E+01	2.95E-04	0.00E+00	2.95E-04
1.00E+02	2.94E-04	0.00E+00	2.94E-04
2.00E+02	2.88E-04	0.00E+00	2.88E-04
3.00E+02	2.83E-04	0.00E+00	2.83E-04
4.00E+02	2.77E-04	0.00E+00	2.77E-04
5.00E+02	2.72E-04	0.00E+00	2.72E-04
6.00E+02	2.66E-04	0.00E+00	2.66E-04
7.00E+02	2.61E-04	0.00E+00	2.61E-04
8.00E+02	2.56E-04	0.00E+00	2.56E-04
9.00E+02	2.51E-04	0.00E+00	2.51E-04
1.00E+03	2.46E-04	0.00E+00	2.46E-04
2.00E+03	2.02E-04	0.00E+00	2.02E-04
3.00E+03	1.66E-04	0.00E+00	1.66E-04
4.00E+03	1.36E-04	0.00E+00	1.36E-04
5.00E+03	1.11E-04	0.00E+00	1.11E-04
7.00E+03	7.50E-05	0.00E+00	7.50E-05
8.00E+03	6.15E-05	0.00E+00	6.15E-05
9.00E+03	5.05E-05	0.00E+00	5.05E-05
1.00E+04	4.14E-05	0.00E+00	4.14E-05
2.00E+04	5.72E-06	0.00E+00	5.72E-06

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		0.00E+00		6.10E-04
2.00E-01		0.00E+00		5.90E-03
3.00E-01		0.00E+00		1.94E-02
4.00E-01		0.00E+00		4.16E-02
5.00E-01		0.00E+00		7.18E-02
6.00E-01		0.00E+00		1.08E-01
7.00E-01		0.00E+00		1.49E-01
8.00E-01		0.00E+00		1.94E-01
9.00E-01		0.00E+00		2.40E-01
1.00E+00	0.00E+00	0.00E+00	2.86E-01	2.86E-01
2.00E+00	0.00E+00	0.00E+00	3.90E-01	6.76E-01
3.00E+00	0.00E+00	0.00E+00	1.95E-01	8.71E-01
4.00E+00	0.00E+00	0.00E+00	7.98E-02	9.51E-01
5.00E+00	0.00E+00	0.00E+00	3.07E-02	9.81E-01
6.00E+00	0.00E+00	0.00E+00	1.15E-02	9.93E-01
7.00E+00	0.00E+00	0.00E+00	4.26E-03	9.97E-01
8.00E+00	0.00E+00	0.00E+00	1.57E-03	9.99E-01
9.00E+00	0.00E+00	0.00E+00	5.79E-04	9.99E-01
1.00E+01	0.00E+00	0.00E+00	2.13E-04	1.00E+00
2.00E+01	0.00E+00	0.00E+00	0.00E+00	1.00E+00
3.00E+01	0.00E+00	0.00E+00	0.00E+00	1.00E+00
4.00E+01	0.00E+00	0.00E+00	0.00E+00	1.00E+00
5.00E+01	0.00E+00	0.00E+00	0.00E+00	1.00E+00
6.00E+01	0.00E+00	0.00E+00	0.00E+00	1.00E+00
7.00E+01	0.00E+00	0.00E+00	0.00E+00	1.00E+00
8.00E+01	0.00E+00	0.00E+00	0.00E+00	1.00E+00
9.00E+01	0.00E+00	0.00E+00	0.00E+00	1.00E+00
1.00E+02	0.00E+00	0.00E+00	0.00E+00	1.00E+00
2.00E+02	0.00E+00	0.00E+00	0.00E+00	1.00E+00
3.00E+02	0.00E+00	0.00E+00	0.00E+00	1.00E+00
4.00E+02	0.00E+00	0.00E+00	0.00E+00	1.00E+00
5.00E+02	0.00E+00	0.00E+00	0.00E+00	1.00E+00
6.00E+02	0.00E+00	0.00E+00	0.00E+00	1.00E+00
7.00E+02	0.00E+00	0.00E+00	0.00E+00	1.00E+00
8.00E+02	0.00E+00	0.00E+00	0.00E+00	1.00E+00
9.00E+02	0.00E+00	0.00E+00	0.00E+00	1.00E+00
1.00E+03	0.00E+00	0.00E+00	0.00E+00	1.00E+00
2.00E+03	0.00E+00	0.00E+00	0.00E+00	1.00E+00
3.00E+03	0.00E+00	0.00E+00	0.00E+00	1.00E+00
4.00E+03	0.00E+00	0.00E+00	0.00E+00	1.00E+00
5.00E+03	0.00E+00	0.00E+00	0.00E+00	1.00E+00
6.00E+03	0.00E+00	0.00E+00	0.00E+00	1.00E+00
7.00E+03	0.00E+00	0.00E+00	0.00E+00	1.00E+00
8.00E+03	0.00E+00	0.00E+00	0.00E+00	1.00E+00

INGESTION

$f_1 = 3.00E-04$

HALFLIFE= 3.25E+01 DAYS

CERIUM 141

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	8.94E-05	9.97E-01	9.97E-01
2.00E-01	1.80E-04	9.90E-01	9.90E-01
3.00E-01	2.32E-04	9.74E-01	9.74E-01
4.00E-01	2.61E-04	9.50E-01	9.50E-01
5.00E-01	2.77E-04	9.18E-01	9.18E-01
6.00E-01	2.85E-04	8.80E-01	8.80E-01
7.00E-01	2.90E-04	8.38E-01	8.38E-01
8.00E-01	2.92E-04	7.92E-01	7.93E-01
9.00E-01	2.92E-04	7.46E-01	7.46E-01
1.00E+00	2.93E-04	6.98E-01	6.98E-01
2.00E+00	2.87E-04	3.10E-01	3.10E-01
3.00E+00	2.81E-04	1.21E-01	1.21E-01
4.00E+00	2.75E-04	4.49E-02	4.52E-02
5.00E+00	2.69E-04	1.64E-02	1.66E-02
6.00E+00	2.64E-04	5.93E-03	6.19E-03
7.00E+00	2.58E-04	2.14E-03	2.40E-03
8.00E+00	2.53E-04	7.72E-04	1.02E-03
9.00E+00	2.47E-04	2.78E-04	5.25E-04
1.00E+01	2.42E-04	1.00E-04	3.42E-04
2.00E+01	1.95E-04	0.00E+00	1.95E-04
3.00E+01	1.57E-04	0.00E+00	1.57E-04
4.00E+01	1.27E-04	0.00E+00	1.27E-04
5.00E+01	1.02E-04	0.00E+00	1.02E-04
6.00E+01	8.25E-05	0.00E+00	8.25E-05
7.00E+01	6.65E-05	0.00E+00	6.65E-05
8.00E+01	5.36E-05	0.00E+00	5.36E-05
9.00E+01	4.32E-05	0.00E+00	4.32E-05
1.00E+02	3.49E-05	0.00E+00	3.49E-05
2.00E+02	4.05E-06	0.00E+00	4.05E-06
3.00E+02	4.71E-07	0.00E+00	4.71E-07
4.00E+02	5.47E-08	0.00E+00	5.47E-08

INGESTION

$f_1 = 3.00E-04$

HALFLIFE= 3.25E+01 DAYS

CERIUM 141

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		0.00E+00		5.94E-04
2.00E-01		0.00E+00		5.74E-03
3.00E-01		0.00E+00		1.88E-02
4.00E-01		0.00E+00		4.04E-02
5.00E-01		0.00E+00		6.96E-02
6.00E-01		0.00E+00		1.05E-01
7.00E-01		0.00E+00		1.45E-01
8.00E-01		0.00E+00		1.87E-01
9.00E-01		0.00E+00		2.32E-01
1.00E+00	0.00E+00	0.00E+00	2.76E-01	2.76E-01
2.00E+00	0.00E+00	0.00E+00	3.73E-01	6.43E-01
3.00E+00	0.00E+00	0.00E+00	1.85E-01	8.14E-01
4.00E+00	0.00E+00	0.00E+00	7.47E-02	8.72E-01
5.00E+00	0.00E+00	0.00E+00	2.82E-02	8.82E-01
6.00E+00	0.00E+00	0.00E+00	1.04E-02	8.74E-01
7.00E+00	0.00E+00	0.00E+00	3.77E-03	8.59E-01
8.00E+00	0.00E+00	0.00E+00	1.36E-03	8.42E-01
9.00E+00	0.00E+00	0.00E+00	4.92E-04	8.25E-01
1.0CE+01	0.00E+00	0.00E+00	1.77E-04	8.08E-01
2.00E+01	0.00E+00	0.00E+00	0.00E+00	6.53E-01
3.00E+01	0.00E+00	0.00E+00	0.00E+00	5.27E-01
4.00E+01	0.00E+00	0.00E+00	0.00E+00	4.26E-01
5.00E+01	0.00E+00	0.00E+00	0.00E+00	3.44E-01
6.00E+01	0.00E+00	0.00E+00	0.00E+00	2.78E-01
7.00E+01	0.00E+00	0.00E+00	0.00E+00	2.25E-01
8.00E+01	0.00E+00	0.00E+00	0.00E+00	1.81E-01
9.00E+01	0.00E+00	0.00E+00	0.00E+00	1.47E-01

INGESTION

 $f_1 = 3.00E-04$

HALFLIFE= 2.84E+02 DAYS

CERIUM 144

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	8.95E-05	9.99E-01	9.99E-01
2.00E-01	1.80E-04	9.93E-01	9.94E-01
3.00E-01	2.34E-04	9.80E-01	9.80E-01
4.00E-01	2.63E-04	9.57E-01	9.57E-01
5.00E-01	2.80E-04	9.27E-01	9.27E-01
6.00E-01	2.89E-04	8.90E-01	8.90E-01
7.00E-01	2.93E-04	8.49E-01	8.49E-01
8.00E-01	2.96E-04	8.04E-01	8.05E-01
9.00E-01	2.98E-04	7.58E-01	7.59E-01
1.00E+00	2.98E-04	7.11E-01	7.12E-01
2.00E+00	2.98E-04	3.22E-01	3.22E-01
3.00E+00	2.98E-04	1.28E-01	1.28E-01
4.00E+00	2.97E-04	4.84E-02	4.87E-02
5.00E+00	2.96E-04	1.80E-02	1.83E-02
6.00E+00	2.95E-04	6.64E-03	6.94E-03
7.00E+00	2.95E-04	2.44E-03	2.74E-03
8.00E+00	2.94E-04	8.98E-04	1.19E-03
9.00E+00	2.93E-04	3.30E-04	6.23E-04
1.00E+01	2.92E-04	1.21E-04	4.13E-04
2.00E+01	2.85E-04	0.00E+00	2.85E-04
3.00E+01	2.77E-04	0.00E+00	2.77E-04
4.00E+01	2.70E-04	0.00E+00	2.70E-04
5.00E+01	2.63E-04	0.00E+00	2.63E-04
6.00E+01	2.56E-04	0.00E+00	2.56E-04
7.00E+01	2.49E-04	0.00E+00	2.49E-04
8.00E+01	2.43E-04	0.00E+00	2.43E-04
9.00E+01	2.37E-04	0.00E+00	2.37E-04
1.00E+02	2.30E-04	0.00E+00	2.30E-04
2.00E+02	1.77E-04	0.00E+00	1.77E-04
3.00E+02	1.36E-04	0.00E+00	1.36E-04
4.00E+02	1.05E-04	0.00E+00	1.05E-04
5.00E+02	8.03E-05	0.00E+00	8.03E-05
6.00E+02	6.17E-05	0.00E+00	6.17E-05
7.00E+02	4.74E-05	0.00E+00	4.74E-05
8.00E+02	3.64E-05	0.00E+00	3.64E-05
9.00E+02	2.80E-05	0.00E+00	2.80E-05
1.00E+03	2.15E-05	0.00E+00	2.15E-05
2.00E+03	1.54E-06	0.00E+00	1.54E-06
3.00E+03	1.10E-07	0.00E+00	1.10E-07

INGESTION

$f_1 = 3.00E-04$

HALFLIFE= 2.84E+02 DAYS

CERIUM 144

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		0.00E+00		5.95E-04
2.00E-01		0.00E+00		5.76E-03
3.00E-01		0.00E+00		1.89E-02
4.00E-01		0.00E+00		4.07E-02
5.00E-01		0.00E+00		7.03E-02
6.00E-01		0.00E+00		1.06E-01
7.00E-01		0.00E+00		1.47E-01
8.00E-01		0.00E+00		1.90E-01
9.00E-01		0.00E+00		2.35E-01
1.00E+00	0.00E+00	0.00E+00	2.82E-01	2.82E-01
2.00E+00	0.00E+00	0.00E+00	3.87E-01	6.68E-01
3.00E+00	0.00E+00	0.00E+00	1.95E-01	8.62E-01
4.00E+00	0.00E+00	0.00E+00	8.06E-02	9.40E-01
5.00E+00	0.00E+00	0.00E+00	3.10E-02	9.69E-01
6.00E+00	0.00E+00	0.00E+00	1.16E-02	9.78E-01
7.00E+00	0.00E+00	0.00E+00	4.31E-03	9.80E-01
8.00E+00	0.00E+00	0.00E+00	1.59E-03	9.79E-01
9.00E+00	0.00E+00	0.00E+00	5.83E-04	9.78E-01
1.00E+01	0.00E+00	0.00E+00	2.14E-04	9.75E-01
2.00E+01	0.00E+00	0.00E+00	0.00E+00	9.52E-01
3.00E+01	0.00E+00	0.00E+00	0.00E+00	9.29E-01
4.00E+01	0.00E+00	0.00E+00	0.00E+00	9.07E-01
5.00E+01	0.00E+00	0.00E+00	0.00E+00	8.85E-01
6.00E+01	0.00E+00	0.00E+00	0.00E+00	8.64E-01
7.00E+01	0.00E+00	0.00E+00	0.00E+00	8.43E-01
8.00E+01	0.00E+00	0.00E+00	0.00E+00	8.23E-01
9.00E+01	0.00E+00	0.00E+00	0.00E+00	8.03E-01
1.00E+02	0.00E+00	0.00E+00	0.00E+00	7.83E-01
2.00E+02	0.00E+00	0.00E+00	0.00E+00	6.14E-01
3.00E+02	0.00E+00	0.00E+00	0.00E+00	4.81E-01
4.00E+02	0.00E+00	0.00E+00	0.00E+00	3.77E-01
5.00E+02	0.00E+00	0.00E+00	0.00E+00	2.95E-01
6.00E+02	0.00E+00	0.00E+00	0.00E+00	2.32E-01
7.00E+02	0.00E+00	0.00E+00	0.00E+00	1.81E-01

INGESTION

 $f_1 = 3.00E-04$

STABLE

PRASEODYMIUM 141

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	8.86E-05	9.99E-01	9.99E-01
2.00E-01	1.76E-04	9.94E-01	9.94E-01
3.00E-01	2.26E-04	9.80E-01	9.81E-01
4.00E-01	2.51E-04	9.58E-01	9.58E-01
5.00E-01	2.64E-04	9.28E-01	9.28E-01
6.00E-01	2.70E-04	8.91E-01	8.92E-01
7.00E-01	2.72E-04	8.50E-01	8.51E-01
8.00E-01	2.73E-04	8.06E-01	8.06E-01
9.00E-01	2.73E-04	7.60E-01	7.60E-01
1.00E+00	2.72E-04	7.13E-01	7.13E-01
2.00E+00	2.68E-04	3.24E-01	3.24E-01
3.00E+00	2.67E-04	1.29E-01	1.29E-01
4.00E+00	2.66E-04	4.89E-02	4.91E-02
5.00E+00	2.66E-04	1.82E-02	1.85E-02
6.00E+00	2.65E-04	6.74E-03	7.01E-03
7.00E+00	2.64E-04	2.49E-03	2.75E-03
8.00E+00	2.63E-04	9.15E-04	1.18E-03
9.00E+00	2.63E-04	3.37E-04	6.00E-04
1.00E+01	2.62E-04	1.24E-04	3.86E-04
2.00E+01	2.58E-04	0.00E+00	2.58E-04
3.00E+01	2.55E-04	0.00E+00	2.55E-04
4.00E+01	2.54E-04	0.00E+00	2.54E-04
5.00E+01	2.53E-04	0.00E+00	2.53E-04
6.00E+01	2.52E-04	0.00E+00	2.52E-04
7.00E+01	2.52E-04	0.00E+00	2.52E-04
8.00E+01	2.51E-04	0.00E+00	2.51E-04
9.00E+01	2.51E-04	0.00E+00	2.51E-04
1.00E+02	2.50E-04	0.00E+00	2.50E-04
2.00E+02	2.45E-04	0.00E+00	2.45E-04
3.00E+02	2.40E-04	0.00E+00	2.40E-04
4.00E+02	2.36E-04	0.00E+00	2.36E-04
5.00E+02	2.31E-04	0.00E+00	2.31E-04
6.00E+02	2.26E-04	0.00E+00	2.26E-04
7.00E+02	2.22E-04	0.00E+00	2.22E-04
8.00E+02	2.18E-04	0.00E+00	2.18E-04
9.00E+02	2.13E-04	0.00E+00	2.13E-04
1.00E+03	2.09E-04	0.00E+00	2.09E-04
2.00E+03	1.72E-04	0.00E+00	1.72E-04
3.00E+03	1.41E-04	0.00E+00	1.41E-04
4.00E+03	1.16E-04	0.00E+00	1.16E-04
5.00E+03	9.48E-05	0.00E+00	9.48E-05
7.00E+03	6.38E-05	0.00E+00	6.38E-05
8.00E+03	5.23E-05	0.00E+00	5.23E-05
9.00E+03	4.29E-05	0.00E+00	4.29E-05
1.00E+04	3.52E-05	0.00E+00	3.52E-05
2.00E+04	4.86E-06	0.00E+00	4.86E-06

INGESTION

 $f_1 = 3.00E-04$

STABLE

PRASEODYMIUM 141

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		9.65E-07		6.10E-04
2.00E-01		4.18E-06		5.90E-03
3.00E-01		8.37E-06		1.94E-02
4.00E-01		1.25E-05		4.16E-02
5.00E-01		1.63E-05		7.18E-02
6.00E-01		1.94E-05		1.08E-01
7.00E-01		2.20E-05		1.49E-01
8.00E-01		2.40E-05		1.94E-01
9.00E-01		2.57E-05		2.40E-01
1.00E+00	2.70E-05	2.70E-05	2.86E-01	2.86E-01
2.00E+00	4.62E-06	3.16E-05	3.90E-01	6.76E-01
3.00E+00	1.17E-06	3.28E-05	1.95E-01	8.71E-01
4.00E+00	8.93E-07	3.37E-05	7.98E-02	9.51E-01
5.00E+00	8.24E-07	3.45E-05	3.07E-02	9.81E-01
6.00E+00	7.71E-07	3.53E-05	1.15E-02	9.93E-01
7.00E+00	7.23E-07	3.60E-05	4.26E-03	9.97E-01
8.00E+00	6.78E-07	3.67E-05	1.57E-03	9.99E-01
9.00E+00	6.36E-07	3.73E-05	5.79E-04	9.99E-01
1.00E+01	5.97E-07	3.79E-05	2.13E-04	1.00E+00
2.00E+01	3.23E-07	4.22E-05	0.00E+00	1.00E+00
3.00E+01	1.87E-07	4.46E-05	0.00E+00	1.00E+00
4.00E+01	1.18E-07	4.60E-05	0.00E+00	1.00E+00
5.00E+01	8.42E-08	4.70E-05	0.00E+00	1.00E+00
6.00E+01	6.70E-08	4.78E-05	0.00E+00	1.00E+00
7.00E+01	5.83E-08	4.84E-05	0.00E+00	1.00E+00
8.00E+01	5.40E-08	4.89E-05	0.00E+00	1.00E+00
9.00E+01	5.17E-08	4.95E-05	0.00E+00	1.00E+00
1.00E+02	5.06E-08	5.00E-05	0.00E+00	1.00E+00
2.00E+02	4.85E-08	5.49E-05	0.00E+00	1.00E+00
3.00E+02	4.76E-08	5.97E-05	0.00E+00	1.00E+00
4.00E+02	4.67E-08	6.44E-05	0.00E+00	1.00E+00
5.00E+02	4.57E-08	6.90E-05	0.00E+00	1.00E+00
6.00E+02	4.48E-08	7.36E-05	0.00E+00	1.00E+00
7.00E+02	4.40E-08	7.80E-05	0.00E+00	1.00E+00
8.00E+02	4.31E-08	8.23E-05	0.00E+00	1.00E+00
9.00E+02	4.23E-08	8.66E-05	0.00E+00	1.00E+00
1.00E+03	4.14E-08	9.08E-05	0.00E+00	1.00E+00
2.00E+03	3.40E-08	1.28E-04	0.00E+00	1.00E+00
3.00E+03	2.79E-08	1.59E-04	0.00E+00	1.00E+00
4.00E+03	2.29E-08	1.84E-04	0.00E+00	1.00E+00
5.00E+03	1.88E-08	2.05E-04	0.00E+00	1.00E+00
6.00E+03	1.54E-08	2.22E-04	0.00E+00	1.00E+00
7.00E+03	1.26E-08	2.36E-04	0.00E+00	1.00E+00
8.00E+03	1.04E-08	2.48E-04	0.00E+00	1.00E+00

INGESTION

 $f_1 = 3.00E-04$

STABLE

NEODYMIUM 144

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	8.86E-05	9.99E-01	9.99E-01
2.00E-01	1.76E-04	9.94E-01	9.94E-01
3.00E-01	2.26E-04	9.80E-01	9.81E-01
4.00E-01	2.51E-04	9.58E-01	9.58E-01
5.00E-01	2.64E-04	9.28E-01	9.28E-01
6.00E-01	2.70E-04	8.91E-01	8.92E-01
7.00E-01	2.73E-04	8.50E-01	8.51E-01
8.00E-01	2.73E-04	8.06E-01	8.06E-01
9.00E-01	2.73E-04	7.60E-01	7.60E-01
1.00E+00	2.73E-04	7.13E-01	7.13E-01
2.00E+00	2.70E-04	3.24E-01	3.24E-01
3.00E+00	2.70E-04	1.29E-01	1.29E-01
4.00E+00	2.70E-04	4.89E-02	4.91E-02
5.00E+00	2.70E-04	1.82E-02	1.85E-02
6.00E+00	2.70E-04	6.74E-03	7.01E-03
7.00E+00	2.70E-04	2.49E-03	2.76E-03
8.00E+00	2.70E-04	9.15E-04	1.19E-03
9.00E+00	2.70E-04	3.37E-04	6.06E-04
1.00E+01	2.69E-04	1.24E-04	3.93E-04
2.00E+01	2.69E-04	0.00E+00	2.69E-04
3.00E+01	2.68E-04	0.00E+00	2.68E-04
4.00E+01	2.68E-04	0.00E+00	2.68E-04
5.00E+01	2.67E-04	0.00E+00	2.67E-04
6.00E+01	2.67E-04	0.00E+00	2.67E-04
7.00E+01	2.66E-04	0.00E+00	2.66E-04
8.00E+01	2.66E-04	0.00E+00	2.66E-04
9.00E+01	2.65E-04	0.00E+00	2.65E-04
1.00E+02	2.65E-04	0.00E+00	2.65E-04
2.00E+02	2.60E-04	0.00E+00	2.60E-04
3.00E+02	2.54E-04	0.00E+00	2.54E-04
4.00E+02	2.49E-04	0.00E+00	2.49E-04
5.00E+02	2.45E-04	0.00E+00	2.45E-04
6.00E+02	2.40E-04	0.00E+00	2.40E-04
7.00E+02	2.35E-04	0.00E+00	2.35E-04
8.00E+02	2.30E-04	0.00E+00	2.30E-04
9.00E+02	2.26E-04	0.00E+00	2.26E-04
1.00E+03	2.22E-04	0.00E+00	2.22E-04
2.00E+03	1.82E-04	0.00E+00	1.82E-04
3.00E+03	1.49E-04	0.00E+00	1.49E-04
4.00E+03	1.22E-04	0.00E+00	1.22E-04
5.00E+03	1.00E-04	0.00E+00	1.00E-04
7.00E+03	6.75E-05	0.00E+00	6.75E-05
8.00E+03	5.54E-05	0.00E+00	5.54E-05
9.00E+03	4.54E-05	0.00E+00	4.54E-05
1.00E+04	3.73E-05	0.00E+00	3.73E-05
2.00E+04	5.15E-06	0.00E+00	5.15E-06

INGESTION

$f_1 = 3.00E-04$

STABLE

NEODYMIUM 144

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		9.52E-07		6.10E-04
2.00E-01		4.12E-06		5.90E-03
3.00E-01		8.23E-06		1.94E-02
4.00E-01		1.23E-05		4.16E-02
5.00E-01		1.60E-05		7.18E-02
6.00E-01		1.90E-05		1.08E-01
7.00E-01		2.15E-05		1.49E-01
8.00E-01		2.34E-05		1.94E-01
9.00E-01		2.50E-05		2.40E-01
1.00E+00	2.62E-05	2.62E-05	2.86E-01	2.86E-01
2.00E+00	3.67E-06	2.98E-05	3.90E-01	6.76E-01
3.00E+00	2.85E-07	3.01E-05	1.95E-01	8.71E-01
4.00E+00	6.80E-08	3.02E-05	7.98E-02	9.51E-01
5.00E+00	5.43E-08	3.03E-05	3.07E-02	9.81E-01
6.00E+00	5.35E-08	3.03E-05	1.15E-02	9.93E-01
7.00E+00	5.34E-08	3.04E-05	4.26E-03	9.97E-01
8.00E+00	5.34E-08	3.04E-05	1.57E-03	9.99E-01
9.00E+00	5.34E-08	3.05E-05	5.79E-04	9.99E-01
1.00E+01	5.34E-08	3.05E-05	2.13E-04	1.00E+00
2.00E+01	5.33E-08	3.11E-05	0.00E+00	1.00E+00
3.00E+01	5.32E-08	3.16E-05	0.00E+00	1.00E+00
4.00E+01	5.30E-08	3.21E-05	0.00E+00	1.00E+00
5.00E+01	5.29E-08	3.26E-05	0.00E+00	1.00E+00
6.00E+01	5.28E-08	3.32E-05	0.00E+00	1.00E+00
7.00E+01	5.27E-08	3.37E-05	0.00E+00	1.00E+00
8.00E+01	5.26E-08	3.42E-05	0.00E+00	1.00E+00
9.00E+01	5.25E-08	3.48E-05	0.00E+00	1.00E+00
1.00E+02	5.24E-08	3.53E-05	0.00E+00	1.00E+00
2.00E+02	5.14E-08	4.05E-05	0.00E+00	1.00E+00
3.00E+02	5.04E-08	4.56E-05	0.00E+00	1.00E+00
4.00E+02	4.94E-08	5.05E-05	0.00E+00	1.00E+00
5.00E+02	4.84E-08	5.54E-05	0.00E+00	1.00E+00
6.00E+02	4.75E-08	6.02E-05	0.00E+00	1.00E+00
7.00E+02	4.65E-08	6.49E-05	0.00E+00	1.00E+00
8.00E+02	4.56E-08	6.95E-05	0.00E+00	1.00E+00
9.00E+02	4.47E-08	7.41E-05	0.00E+00	1.00E+00
1.00E+03	4.39E-08	7.85E-05	0.00E+00	1.00E+00
2.00E+03	3.60E-08	1.18E-04	0.00E+00	1.00E+00
3.00E+03	2.95E-08	1.51E-04	0.00E+00	1.00E+00
4.00E+03	2.42E-08	1.78E-04	0.00E+00	1.00E+00
5.00E+03	1.99E-08	2.00E-04	0.00E+00	1.00E+00
6.00E+03	1.63E-08	2.18E-04	0.00E+00	1.00E+00
7.00E+03	1.34E-08	2.32E-04	0.00E+00	1.00E+00
8.00E+03	1.10E-08	2.45E-04	0.00E+00	1.00E+00

INGESTION

$f_1 = 3.00E-04$

HALFLIFE= 9.58E+02 DAYS

PROMETHIUM 147

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	8.86E-05	9.99E-01	9.99E-01
2.00E-01	1.76E-04	9.94E-01	9.94E-01
3.00E-01	2.26E-04	9.80E-01	9.80E-01
4.00E-01	2.51E-04	9.58E-01	9.58E-01
5.00E-01	2.64E-04	9.28E-01	9.28E-01
6.00E-01	2.70E-04	8.91E-01	8.91E-01
7.00E-01	2.72E-04	8.50E-01	8.50E-01
8.00E-01	2.73E-04	8.06E-01	8.06E-01
9.00E-01	2.73E-04	7.59E-01	7.60E-01
1.00E+00	2.73E-04	7.13E-01	7.13E-01
2.00E+00	2.70E-04	3.23E-01	3.23E-01
3.00E+00	2.69E-04	1.28E-01	1.29E-01
4.00E+00	2.69E-04	4.87E-02	4.90E-02
5.00E+00	2.69E-04	1.82E-02	1.84E-02
6.00E+00	2.69E-04	6.71E-03	6.98E-03
7.00E+00	2.68E-04	2.47E-03	2.74E-03
8.00E+00	2.68E-04	9.10E-04	1.18E-03
9.00E+00	2.68E-04	3.35E-04	6.03E-04
1.00E+01	2.68E-04	1.23E-04	3.91E-04
2.00E+01	2.65E-04	0.00E+00	2.65E-04
3.00E+01	2.63E-04	0.00E+00	2.63E-04
4.00E+01	2.60E-04	0.00E+00	2.60E-04
5.00E+01	2.58E-04	0.00E+00	2.58E-04
6.00E+01	2.55E-04	0.00E+00	2.55E-04
7.00E+01	2.53E-04	0.00E+00	2.53E-04
8.00E+01	2.51E-04	0.00E+00	2.51E-04
9.00E+01	2.49E-04	0.00E+00	2.49E-04
1.00E+02	2.46E-04	0.00E+00	2.46E-04
2.00E+02	2.25E-04	0.00E+00	2.25E-04
3.00E+02	2.05E-04	0.00E+00	2.05E-04
4.00E+02	1.87E-04	0.00E+00	1.87E-04
5.00E+02	1.70E-04	0.00E+00	1.70E-04
6.00E+02	1.55E-04	0.00E+00	1.55E-04
7.00E+02	1.42E-04	0.00E+00	1.42E-04
8.00E+02	1.29E-04	0.00E+00	1.29E-04
9.00E+02	1.18E-04	0.00E+00	1.18E-04
1.00E+03	1.07E-04	0.00E+00	1.07E-04
2.00E+03	4.27E-05	0.00E+00	4.27E-05
3.00E+03	1.70E-05	0.00E+00	1.70E-05
4.00E+03	6.76E-06	0.00E+00	6.76E-06
5.00E+03	2.69E-06	0.00E+00	2.69E-06
6.00E+03	1.07E-06	0.00E+00	1.07E-06
7.00E+03	4.25E-07	0.00E+00	4.25E-07
8.00E+03	1.69E-07	0.00E+00	1.69E-07
9.00E+03	6.73E-08	0.00E+00	6.73E-08
1.00E+04	2.68E-08	0.00E+00	2.68E-08

INGESTION

$f_1 = 3.00E-04$

HALFLIFE = 9.58E+02 DAYS

PROMETHIUM 147

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		9.52E-07		6.10E-04
2.00E-01		4.12E-06		5.90E-03
3.00E-01		8.23E-06		1.93E-02
4.00E-01		1.23E-05		4.16E-02
5.00E-01		1.59E-05		7.17E-02
6.00E-01		1.90E-05		1.08E-01
7.00E-01		2.15E-05		1.49E-01
8.00E-01		2.34E-05		1.94E-01
9.00E-01		2.50E-05		2.40E-01
1.00E+00	2.62E-05	2.62E-05	2.86E-01	2.86E-01
2.00E+00	3.66E-06	2.98E-05	3.89E-01	6.75E-01
3.00E+00	2.84E-07	3.01E-05	1.94E-01	8.69E-01
4.00E+00	6.78E-08	3.01E-05	7.96E-02	9.48E-01
5.00E+00	5.41E-08	3.01E-05	3.05E-02	9.78E-01
6.00E+00	5.32E-08	3.02E-05	1.14E-02	9.89E-01
7.00E+00	5.31E-08	3.02E-05	4.23E-03	9.92E-01
8.00E+00	5.31E-08	3.02E-05	1.56E-03	9.93E-01
9.00E+00	5.30E-08	3.03E-05	5.75E-04	9.93E-01
1.00E+01	5.30E-08	3.03E-05	2.11E-04	9.92E-01
2.00E+01	5.25E-08	3.06E-05	0.00E+00	9.85E-01
3.00E+01	5.20E-08	3.09E-05	0.00E+00	9.78E-01
4.00E+01	5.15E-08	3.12E-05	0.00E+00	9.71E-01
5.00E+01	5.11E-08	3.15E-05	0.00E+00	9.64E-01
6.00E+01	5.06E-08	3.18E-05	0.00E+00	9.57E-01
7.00E+01	5.01E-08	3.20E-05	0.00E+00	9.50E-01
8.00E+01	4.97E-08	3.23E-05	0.00E+00	9.43E-01
9.00E+01	4.92E-08	3.26E-05	0.00E+00	9.37E-01
1.00E+02	4.88E-08	3.28E-05	0.00E+00	9.30E-01
2.00E+02	4.45E-08	3.50E-05	0.00E+00	8.65E-01
3.00E+02	4.05E-08	3.67E-05	0.00E+00	8.05E-01
4.00E+02	3.70E-08	3.78E-05	0.00E+00	7.48E-01
5.00E+02	3.37E-08	3.86E-05	0.00E+00	6.96E-01
6.00E+02	3.08E-08	3.90E-05	0.00E+00	6.48E-01
7.00E+02	2.80E-08	3.91E-05	0.00E+00	6.02E-01
8.00E+02	2.56E-08	3.90E-05	0.00E+00	5.60E-01
9.00E+02	2.33E-08	3.86E-05	0.00E+00	5.21E-01
1.00E+03	2.13E-08	3.81E-05	0.00E+00	4.85E-01

INGESTION

$f_1 = 3.00E-04$

HALFLIFE= 3.87E+13 DAYS

SAMARIUM 147

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	8.86E-05	9.99E-01	9.99E-01
2.00E-01	1.76E-04	9.94E-01	9.94E-01
3.00E-01	2.26E-04	9.80E-01	9.81E-01
4.00E-01	2.51E-04	9.58E-01	9.58E-01
5.00E-01	2.64E-04	9.28E-01	9.28E-01
6.00E-01	2.70E-04	8.91E-01	8.92E-01
7.00E-01	2.73E-04	8.50E-01	8.51E-01
8.00E-01	2.73E-04	8.06E-01	8.06E-01
9.00E-01	2.73E-04	7.60E-01	7.60E-01
1.00E+00	2.73E-04	7.13E-01	7.13E-01
2.00E+00	2.70E-04	3.24E-01	3.24E-01
3.00E+00	2.70E-04	1.29E-01	1.29E-01
4.00E+00	2.70E-04	4.89E-02	4.91E-02
5.00E+00	2.70E-04	1.82E-02	1.85E-02
6.00E+00	2.70E-04	6.74E-03	7.01E-03
7.00E+00	2.70E-04	2.49E-03	2.76E-03
8.00E+00	2.70E-04	9.15E-04	1.19E-03
9.00E+00	2.70E-04	3.37E-04	6.06E-04
1.00E+01	2.69E-04	1.24E-04	3.93E-04
2.00E+01	2.69E-04	0.00E+00	2.67E-04
3.00E+01	2.68E-04	0.00E+00	2.68E-04
4.00E+01	2.68E-04	0.00E+00	2.68E-04
5.00E+01	2.67E-04	0.00E+00	2.67E-04
6.00E+01	2.67E-04	0.00E+00	2.67E-04
7.00E+01	2.66E-04	0.00E+00	2.66E-04
8.00E+01	2.66E-04	0.00E+00	2.66E-04
9.00E+01	2.65E-04	0.00E+00	2.65E-04
1.00E+02	2.65E-04	0.00E+00	2.65E-04
2.00E+02	2.60E-04	0.00E+00	2.60E-04
3.00E+02	2.54E-04	0.00E+00	2.54E-04
4.00E+02	2.49E-04	0.00E+00	2.49E-04
5.00E+02	2.45E-04	0.00E+00	2.45E-04
6.00E+02	2.40E-04	0.00E+00	2.40E-04
7.00E+02	2.35E-04	0.00E+00	2.35E-04
8.00E+02	2.30E-04	0.00E+00	2.30E-04
9.00E+02	2.26E-04	0.00E+00	2.26E-04
1.00E+03	2.22E-04	0.00E+00	2.22E-04
2.00E+03	1.82E-04	0.00E+00	1.82E-04
3.00E+03	1.49E-04	0.00E+00	1.49E-04
4.00E+03	1.22E-04	0.00E+00	1.22E-04
5.00E+03	1.00E-04	0.00E+00	1.00E-04
7.00E+03	6.75E-05	0.00E+00	6.75E-05
8.00E+03	5.54E-05	0.00E+00	5.54E-05
9.00E+03	4.54E-05	0.00E+00	4.54E-05
1.00E+04	3.73E-05	0.00E+00	3.73E-05
2.00E+04	5.15E-06	0.00E+00	5.15E-06

INGESTION

$f_1 = 3.00E-04$

HALFLIFE= 3.87E+13 DAYS

SAMARIUM 147

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		9.52E-07		6.10E-04
2.00E-01		4.12E-06		5.90E-03
3.00E-01		8.23E-06		1.94E-02
4.00E-01		1.23E-05		4.16E-02
5.00E-01		1.60E-05		7.18E-02
6.00E-01		1.90E-05		1.08E-01
7.00E-01		2.15E-05		1.49E-01
8.00E-01		2.34E-05		1.94E-01
9.00E-01		2.50E-05		2.40E-01
1.00E+00	2.62E-05	2.62E-05	2.86E-01	2.86E-01
2.00E+00	3.67E-06	2.98E-05	3.90E-01	6.76E-01
3.00E+00	2.85E-07	3.01E-05	1.95E-01	8.71E-01
4.00E+00	6.80E-08	3.02E-05	7.98E-02	9.51E-01
5.00E+00	5.43E-08	3.03E-05	3.07E-02	9.81E-01
6.00E+00	5.35E-08	3.03E-05	1.15E-02	9.93E-01
7.00E+00	5.34E-08	3.04E-05	4.26E-03	9.97E-01
8.00E+00	5.34E-08	3.04E-05	1.57E-03	9.99E-01
9.00E+00	5.34E-08	3.05E-05	5.79E-04	9.99E-01
1.00E+01	5.34E-08	3.05E-05	2.13E-04	1.00E+00
2.00E+01	5.33E-08	3.11E-05	0.00E+00	1.00E+00
3.00E+01	5.32E-08	3.16E-05	0.00E+00	1.00E+00
4.00E+01	5.30E-08	3.21E-05	0.00E+00	1.00E+00
5.00E+01	5.29E-08	3.26E-05	0.00E+00	1.00E+00
6.00E+01	5.28E-08	3.32E-05	0.00E+00	1.00E+00
7.00E+01	5.27E-08	3.37E-05	0.00E+00	1.00E+00
8.00E+01	5.26E-08	3.42E-05	0.00E+00	1.00E+00
9.00E+01	5.25E-08	3.48E-05	0.00E+00	1.00E+00
1.00E+02	5.24E-08	3.53E-05	0.00E+00	1.00E+00
2.00E+02	5.14E-08	4.05E-05	0.00E+00	1.00E+00
3.00E+02	5.04E-08	4.56E-05	0.00E+00	1.00E+00
4.00E+02	4.94E-08	5.05E-05	0.00E+00	1.00E+00
5.00E+02	4.84E-08	5.54E-05	0.00E+00	1.00E+00
6.00E+02	4.75E-08	6.02E-05	0.00E+00	1.00E+00
7.00E+02	4.65E-08	6.49E-05	0.00E+00	1.00E+00
8.00E+02	4.56E-08	6.95E-05	0.00E+00	1.00E+00
9.00E+02	4.47E-08	7.41E-05	0.00E+00	1.00E+00
1.00E+03	4.39E-08	7.85E-05	0.00E+00	1.00E+00
2.00E+03	3.60E-08	1.18E-04	0.00E+00	1.00E+00
3.00E+03	2.95E-08	1.51E-04	0.00E+00	1.00E+00
4.00E+03	2.42E-08	1.78E-04	0.00E+00	1.00E+00
5.00E+03	1.99E-08	2.00E-04	0.00E+00	1.00E+00
6.00E+03	1.63E-08	2.18E-04	0.00E+00	1.00E+00
7.00E+03	1.34E-08	2.32E-04	0.00E+00	1.00E+00
8.00E+03	1.10E-08	2.45E-04	0.00E+00	1.00E+00

INGESTION

$f_1 = 3.00E-04$

STABLE

SAMARIUM 150

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	8.86E-05	9.99E-01	9.99E-01
2.00E-01	1.76E-04	9.94E-01	9.94E-01
3.00E-01	2.26E-04	9.80E-01	9.81E-01
4.00E-01	2.51E-04	9.58E-01	9.58E-01
5.00E-01	2.64E-04	9.28E-01	9.28E-01
6.00E-01	2.70E-04	8.91E-01	8.92E-01
7.00E-01	2.73E-04	8.50E-01	8.51E-01
8.00E-01	2.73E-04	8.06E-01	8.06E-01
9.00E-01	2.73E-04	7.60E-01	7.60E-01
1.00E+00	2.73E-04	7.13E-01	7.13E-01
2.00E+00	2.70E-04	3.24E-01	3.24E-01
3.00E+00	2.70E-04	1.29E-01	1.29E-01
4.00E+00	2.70E-04	4.89E-02	4.91E-02
5.00E+00	2.70E-04	1.82E-02	1.85E-02
6.00E+00	2.70E-04	6.74E-03	7.01E-03
7.00E+00	2.70E-04	2.49E-03	2.76E-03
8.00E+00	2.70E-04	9.15E-04	1.19E-03
9.00E+00	2.70E-04	3.37E-04	6.06E-04
1.00E+01	2.69E-04	1.24E-04	3.93E-04
2.00E+01	2.69E-04	0.00E+00	2.69E-04
3.00E+01	2.68E-04	0.00E+00	2.68E-04
4.00E+01	2.68E-04	0.00E+00	2.68E-04
5.00E+01	2.67E-04	0.00E+00	2.67E-04
6.00E+01	2.67E-04	0.00E+00	2.67E-04
7.00E+01	2.66E-04	0.00E+00	2.66E-04
8.00E+01	2.66E-04	0.00E+00	2.66E-04
9.00E+01	2.65E-04	0.00E+00	2.65E-04
1.00E+02	2.65E-04	0.00E+00	2.65E-04
2.00E+02	2.60E-04	0.00E+00	2.60E-04
3.00E+02	2.54E-04	0.00E+00	2.54E-04
4.00E+02	2.49E-04	0.00E+00	2.49E-04
5.00E+02	2.45E-04	0.00E+00	2.45E-04
6.00E+02	2.40E-04	0.00E+00	2.40E-04
7.00E+02	2.35E-04	0.00E+00	2.35E-04
8.00E+02	2.30E-04	0.00E+00	2.30E-04
9.00E+02	2.26E-04	0.00E+00	2.26E-04
1.00E+03	2.22E-04	0.00E+00	2.22E-04
2.00E+03	1.82E-04	0.00E+00	1.82E-04
3.00E+03	1.49E-04	0.00E+00	1.49E-04
4.00E+03	1.22E-04	0.00E+00	1.22E-04
5.00E+03	1.00E-04	0.00E+00	1.00E-04
7.00E+03	6.75E-05	0.00E+00	6.75E-05
8.00E+03	5.54E-05	0.00E+00	5.54E-05
9.00E+03	4.54E-05	0.00E+00	4.54E-05
1.00E+04	3.73E-05	0.00E+00	3.73E-05
2.00E+04	5.15E-06	0.00E+00	5.15E-06

INGESTION

 $f_1 = 3.00E-04$

STABLE

SAMARIUM 150

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		9.52E-07		6.10E-04
2.00E-01		4.12E-06		5.90E-03
3.00E-01		8.23E-06		1.94E-02
4.00E-01		1.23E-05		4.16E-02
5.00E-01		1.60E-05		7.18E-02
6.00E-01		1.90E-05		1.08E-01
7.00E-01		2.15E-05		1.49E-01
8.00E-01		2.34E-05		1.94E-01
9.00E-01		2.50E-05		2.40E-01
1.00E+00	2.62E-05	2.62E-05	2.86E-01	2.86E-01
2.00E+00	3.67E-06	2.98E-05	3.90E-01	6.76E-01
3.00E+00	2.85E-07	3.01E-05	1.95E-01	8.71E-01
4.00E+00	6.80E-08	3.02E-05	7.98E-02	9.51E-01
5.00E+00	5.43E-08	3.03E-05	3.07E-02	9.81E-01
6.00E+00	5.35E-08	3.03E-05	1.15E-02	9.93E-01
7.00E+00	5.34E-08	3.04E-05	4.26E-03	9.97E-01
8.00E+00	5.34E-08	3.04E-05	1.57E-03	9.99E-01
9.00E+00	5.34E-08	3.05E-05	5.79E-04	9.99E-01
1.00E+01	5.34E-08	3.05E-05	2.13E-04	1.00E+00
2.00E+01	5.33E-08	3.11E-05	0.00E+00	1.00E+00
3.00E+01	5.32E-08	3.16E-05	0.00E+00	1.00E+00
4.00E+01	5.30E-08	3.21E-05	0.00E+00	1.00E+00
5.00E+01	5.29E-08	3.26E-05	0.00E+00	1.00E+00
6.00E+01	5.28E-08	3.32E-05	0.00E+00	1.00E+00
7.00E+01	5.27E-08	3.37E-05	0.00E+00	1.00E+00
8.00E+01	5.26E-08	3.42E-05	0.00E+00	1.00E+00
9.00E+01	5.25E-08	3.48E-05	0.00E+00	1.00E+00
1.00E+02	5.24E-08	3.53E-05	0.00E+00	1.00E+00
2.00E+02	5.14E-08	4.05E-05	0.00E+00	1.00E+00
3.00E+02	5.04E-08	4.56E-05	0.00E+00	1.00E+00
4.00E+02	4.94E-08	5.05E-05	0.00E+00	1.00E+00
5.00E+02	4.84E-08	5.54E-05	0.00E+00	1.00E+00
6.00E+02	4.75E-08	6.02E-05	0.00E+00	1.00E+00
7.00E+02	4.65E-08	6.49E-05	0.00E+00	1.00E+00
8.00E+02	4.56E-08	6.95E-05	0.00E+00	1.00E+00
9.00E+02	4.47E-08	7.41E-05	0.00E+00	1.00E+00
1.00E+03	4.39E-08	7.85E-05	0.00E+00	1.00E+00
2.00E+03	3.60E-08	1.18E-04	0.00E+00	1.00E+00
3.00E+03	2.95E-08	1.51E-04	0.00E+00	1.00E+00
4.00E+03	2.42E-08	1.78E-04	0.00E+00	1.00E+00
5.00E+03	1.99E-08	2.00E-04	0.00E+00	1.00E+00
6.00E+03	1.63E-08	2.18E-04	0.00E+00	1.00E+00
7.00E+03	1.34E-08	2.32E-04	0.00E+00	1.00E+00
8.00E+03	1.10E-08	2.45E-04	0.00E+00	1.00E+00

INGESTION

 $f_1 = 1.00E-03$

STABLE

EUROPIUM 151

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	2.94E-04	9.99E-01	9.99E-01
2.00E-01	5.82E-04	9.93E-01	9.94E-01
3.00E-01	7.41E-04	9.80E-01	9.81E-01
4.00E-01	8.21E-04	9.58E-01	9.58E-01
5.00E-01	8.58E-04	9.27E-01	9.28E-01
6.00E-01	8.73E-04	8.91E-01	8.92E-01
7.00E-01	8.78E-04	8.50E-01	8.51E-01
8.00E-01	8.77E-04	8.05E-01	8.06E-01
9.00E-01	8.75E-04	7.59E-01	7.60E-01
1.00E+00	8.71E-04	7.13E-01	7.14E-01
2.00E+00	8.54E-04	3.23E-01	3.24E-01
3.00E+00	8.49E-04	1.29E-01	1.29E-01
4.00E+00	8.46E-04	4.88E-02	4.97E-02
5.00E+00	8.42E-04	1.82E-02	1.90E-02
6.00E+00	8.39E-04	6.74E-03	7.57E-03
7.00E+00	8.36E-04	2.48E-03	3.32E-03
8.00E+00	8.34E-04	9.15E-04	1.75E-03
9.00E+00	8.31E-04	3.37E-04	1.17E-03
1.00E+01	8.29E-04	1.24E-04	9.53E-04
2.00E+01	8.12E-04	0.00E+00	8.12E-04
3.00E+01	8.03E-04	0.00E+00	8.03E-04
4.00E+01	7.98E-04	0.00E+00	7.98E-04
5.00E+01	7.94E-04	0.00E+00	7.94E-04
6.00E+01	7.92E-04	0.00E+00	7.92E-04
7.00E+01	7.89E-04	0.00E+00	7.89E-04
8.00E+01	7.88E-04	0.00E+00	7.88E-04
9.00E+01	7.86E-04	0.00E+00	7.86E-04
1.00E+02	7.84E-04	0.00E+00	7.84E-04
2.00E+02	7.69E-04	0.00E+00	7.69E-04
3.00E+02	7.54E-04	0.00E+00	7.54E-04
4.00E+02	7.39E-04	0.00E+00	7.39E-04
5.00E+02	7.25E-04	0.00E+00	7.25E-04
6.00E+02	7.10E-04	0.00E+00	7.10E-04
7.00E+02	6.96E-04	0.00E+00	6.96E-04
8.00E+02	6.83E-04	0.00E+00	6.83E-04
9.00E+02	6.69E-04	0.00E+00	6.69E-04
1.00E+03	6.56E-04	0.00E+00	6.56E-04
2.00E+03	5.38E-04	0.00E+00	5.38E-04
3.00E+03	4.42E-04	0.00E+00	4.42E-04
4.00E+03	3.62E-04	0.00E+00	3.62E-04
5.00E+03	2.97E-04	0.00E+00	2.97E-04
7.00E+03	2.00E-04	0.00E+00	2.00E-04
8.00E+03	1.64E-04	0.00E+00	1.64E-04
9.00E+03	1.35E-04	0.00E+00	1.35E-04
1.00E+04	1.10E-04	0.00E+00	1.10E-04
2.00E+04	1.53E-05	0.00E+00	1.53E-05

INGESTION

 $f_1 = 1.00E-03$

STABLE

EUROPIUM 151

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		4.50E-06		6.10E-04
2.00E-01		1.95E-05		5.90E-03
3.00E-01		3.90E-05		1.93E-02
4.00E-01		5.84E-05		4.16E-02
5.00E-01		7.57E-05		7.17E-02
6.00E-01		9.03E-05		1.08E-01
7.00E-01		1.02E-04		1.49E-01
8.00E-01		1.12E-04		1.94E-01
9.00E-01		1.19E-04		2.40E-01
1.00E+00	1.25E-04	1.25E-04	2.86E-01	2.86E-01
2.00E+00	2.08E-05	1.46E-04	3.89E-01	6.76E-01
3.00E+00	4.79E-06	1.51E-04	1.95E-01	8.70E-01
4.00E+00	3.54E-06	1.54E-04	7.98E-02	9.50E-01
5.00E+00	3.25E-06	1.58E-04	3.06E-02	9.81E-01
6.00E+00	3.04E-06	1.61E-04	1.15E-02	9.92E-01
7.00E+00	2.85E-06	1.64E-04	4.25E-03	9.97E-01
8.00E+00	2.67E-06	1.66E-04	1.57E-03	9.98E-01
9.00E+00	2.50E-06	1.69E-04	5.78E-04	9.99E-01
1.00E+01	2.34E-06	1.71E-04	2.13E-04	9.99E-01
2.00E+01	1.25E-06	1.88E-04	0.00E+00	9.99E-01
3.00E+01	7.04E-07	1.97E-04	0.00E+00	9.99E-01
4.00E+01	4.30E-07	2.02E-04	0.00E+00	9.99E-01
5.00E+01	2.93E-07	2.06E-04	0.00E+00	9.99E-01
6.00E+01	2.25E-07	2.08E-04	0.00E+00	9.99E-01
7.00E+01	1.90E-07	2.11E-04	0.00E+00	9.99E-01
8.00E+01	1.73E-07	2.12E-04	0.00E+00	9.99E-01
9.00E+01	1.64E-07	2.14E-04	0.00E+00	9.99E-01
1.00E+02	1.60E-07	2.16E-04	0.00E+00	9.99E-01
2.00E+02	1.52E-07	2.31E-04	0.00E+00	9.99E-01
3.00E+02	1.49E-07	2.46E-04	0.00E+00	9.99E-01
4.00E+02	1.46E-07	2.61E-04	0.00E+00	9.99E-01
5.00E+02	1.43E-07	2.75E-04	0.00E+00	9.99E-01
7.00E+02	1.38E-07	3.04E-04	0.00E+00	9.99E-01
8.00E+02	1.35E-07	3.17E-04	0.00E+00	9.99E-01
9.00E+02	1.33E-07	3.31E-04	0.00E+00	9.99E-01
1.00E+03	1.30E-07	3.44E-04	0.00E+00	9.99E-01
2.00E+03	1.07E-07	4.62E-04	0.00E+00	9.99E-01
3.00E+03	8.75E-08	5.58E-04	0.00E+00	9.99E-01
4.00E+03	7.18E-08	6.38E-04	0.00E+00	9.99E-01
5.00E+03	5.89E-08	7.03E-04	0.00E+00	9.99E-01
7.00E+03	3.96E-08	8.00E-04	0.00E+00	9.99E-01
8.00E+03	3.25E-08	8.36E-04	0.00E+00	9.99E-01
9.00E+03	2.67E-08	8.65E-04	0.00E+00	9.99E-01
1.00E+04	2.19E-08	8.90E-04	0.00E+00	9.99E-01

INGESTION

$f_1 = 1.00E-03$

HALFLIFE= 4.87E+03 DAYS

EUROPIUM 152

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	2.94E-04	9.99E-01	9.99E-01
2.00E-01	5.82E-04	9.93E-01	9.94E-01
3.00E-01	7.41E-04	9.80E-01	9.81E-01
4.00E-01	8.21E-04	9.57E-01	9.58E-01
5.00E-01	8.58E-04	9.27E-01	9.28E-01
6.00E-01	8.73E-04	8.91E-01	8.92E-01
7.00E-01	8.78E-04	8.50E-01	8.50E-01
8.00E-01	8.77E-04	8.05E-01	8.06E-01
9.00E-01	8.75E-04	7.59E-01	7.60E-01
1.00E+00	8.71E-04	7.13E-01	7.13E-01
2.00E+00	8.54E-04	3.23E-01	3.24E-01
3.00E+00	8.49E-04	1.29E-01	1.29E-01
4.00E+00	8.45E-04	4.88E-02	4.96E-02
5.00E+00	8.42E-04	1.82E-02	1.90E-02
6.00E+00	8.39E-04	6.73E-03	7.57E-03
7.00E+00	8.36E-04	2.48E-03	3.32E-03
8.00E+00	8.33E-04	9.14E-04	1.75E-03
9.00E+00	8.30E-04	3.36E-04	1.17E-03
1.00E+01	8.28E-04	1.24E-04	9.51E-04
2.00E+01	8.10E-04	0.00E+00	8.10E-04
3.00E+01	7.99E-04	0.00E+00	7.99E-04
4.00E+01	7.93E-04	0.00E+00	7.93E-04
5.00E+01	7.88E-04	0.00E+00	7.88E-04
6.00E+01	7.85E-04	0.00E+00	7.85E-04
7.00E+01	7.82E-04	0.00E+00	7.82E-04
8.00E+01	7.79E-04	0.00E+00	7.79E-04
9.00E+01	7.76E-04	0.00E+00	7.76E-04
1.00E+02	7.73E-04	0.00E+00	7.73E-04
2.00E+02	7.47E-04	0.00E+00	7.47E-04
3.00E+02	7.22E-04	0.00E+00	7.22E-04
4.00E+02	6.98E-04	0.00E+00	6.98E-04
5.00E+02	6.75E-04	0.00E+00	6.75E-04
6.00E+02	6.52E-04	0.00E+00	6.52E-04
7.00E+02	6.30E-04	0.00E+00	6.30E-04
8.00E+02	6.09E-04	0.00E+00	6.09E-04
9.00E+02	5.89E-04	0.00E+00	5.89E-04
1.00E+03	5.69E-04	0.00E+00	5.69E-04
2.00E+03	4.05E-04	0.00E+00	4.05E-04
3.00E+03	2.88E-04	0.00E+00	2.88E-04
4.00E+03	2.05E-04	0.00E+00	2.05E-04
5.00E+03	1.46E-04	0.00E+00	1.46E-04
7.00E+03	7.38E-05	0.00E+00	7.38E-05
8.00E+03	5.25E-05	0.00E+00	5.25E-05
9.00E+03	3.74E-05	0.00E+00	3.74E-05
1.00E+04	2.66E-05	0.00E+00	2.66E-05
2.00E+04	8.83E-07	0.00E+00	8.83E-07

INGESTION

$f_1 = 1.00E-03$

HALFLIFE= 4.87E+03 DAYS

EUROPIUM 152

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		4.50E-06		6.10E-04
2.00E-01		1.95E-05		5.90E-03
3.00E-01		3.90E-05		1.93E-02
4.00E-01		5.84E-05		4.16E-02
5.00E-01		7.57E-05		7.17E-02
6.00E-01		9.03E-05		1.08E-01
7.00E-01		1.02E-04		1.49E-01
8.00E-01		1.12E-04		1.94E-01
9.00E-01		1.19E-04		2.40E-01
1.00E+00	1.25E-04	1.25E-04	2.86E-01	2.86E-01
2.00E+00	2.08E-05	1.46E-04	3.89E-01	6.76E-01
3.00E+00	4.78E-06	1.51E-04	1.95E-01	8.70E-01
4.00E+00	3.53E-06	1.54E-04	7.97E-02	9.50E-01
5.00E+00	3.25E-06	1.58E-04	3.06E-02	9.80E-01
6.00E+00	3.04E-06	1.61E-04	1.15E-02	9.91E-01
7.00E+00	2.84E-06	1.63E-04	4.25E-03	9.96E-01
8.00E+00	2.66E-06	1.66E-04	1.57E-03	9.97E-01
9.00E+00	2.50E-06	1.69E-04	5.77E-04	9.97E-01
1.00E+01	2.34E-06	1.71E-04	2.12E-04	9.97E-01
2.00E+01	1.25E-06	1.87E-04	0.00E+00	9.96E-01
3.00E+01	7.01E-07	1.96E-04	0.00E+00	9.95E-01
4.00E+01	4.28E-07	2.01E-04	0.00E+00	9.93E-01
5.00E+01	2.91E-07	2.04E-04	0.00E+00	9.92E-01
6.00E+01	2.23E-07	2.07E-04	0.00E+00	9.90E-01
7.00E+01	1.89E-07	2.08E-04	0.00E+00	9.89E-01
8.00E+01	1.71E-07	2.10E-04	0.00E+00	9.88E-01
9.00E+01	1.62E-07	2.11E-04	0.00E+00	9.86E-01
1.00E+02	1.57E-07	2.13E-04	0.00E+00	9.85E-01
2.00E+02	1.48E-07	2.25E-04	0.00E+00	9.71E-01
3.00E+02	1.43E-07	2.36E-04	0.00E+00	9.57E-01
4.00E+02	1.38E-07	2.46E-04	0.00E+00	9.44E-01
5.00E+02	1.34E-07	2.56E-04	0.00E+00	9.30E-01
6.00E+02	1.29E-07	2.66E-04	0.00E+00	9.17E-01
7.00E+02	1.25E-07	2.75E-04	0.00E+00	9.04E-01
8.00E+02	1.21E-07	2.83E-04	0.00E+00	8.91E-01
9.00E+02	1.17E-07	2.91E-04	0.00E+00	8.79E-01
1.00E+03	1.13E-07	2.98E-04	0.00E+00	8.66E-01
2.00E+03	8.02E-08	3.47E-04	0.00E+00	7.51E-01
3.00E+03	5.70E-08	3.64E-04	0.00E+00	6.52E-01
4.00E+03	4.06E-08	3.61E-04	0.00E+00	5.65E-01
5.00E+03	2.89E-08	3.45E-04	0.00E+00	4.90E-01
6.00E+03	2.05E-08	3.22E-04	0.00E+00	4.25E-01
7.00E+03	1.46E-08	2.95E-04	0.00E+00	3.69E-01
8.00E+03	1.04E-08	2.67E-04	0.00E+00	3.20E-01

INGESTION

$f_1 = 1.00E-03$

HALFLIFE= 3.21E+03 DAYS

EUROPIUM 154

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	2.94E-04	9.99E-01	9.99E-01
2.00E-01	5.82E-04	9.93E-01	9.94E-01
3.00E-01	7.41E-04	9.80E-01	9.81E-01
4.00E-01	8.21E-04	9.57E-01	9.58E-01
5.00E-01	8.58E-04	9.27E-01	9.28E-01
6.00E-01	8.73E-04	8.91E-01	8.92E-01
7.00E-01	8.78E-04	8.50E-01	8.50E-01
8.00E-01	8.77E-04	8.05E-01	8.06E-01
9.00E-01	8.74E-04	7.59E-01	7.60E-01
1.00E+00	8.71E-04	7.13E-01	7.13E-01
2.00E+00	8.53E-04	3.23E-01	3.24E-01
3.00E+00	8.49E-04	1.29E-01	1.29E-01
4.00E+00	8.45E-04	4.88E-02	4.96E-02
5.00E+00	8.41E-04	1.82E-02	1.90E-02
6.00E+00	8.38E-04	6.73E-03	7.56E-03
7.00E+00	8.35E-04	2.48E-03	3.32E-03
8.00E+00	8.32E-04	9.13E-04	1.75E-03
9.00E+00	8.30E-04	3.36E-04	1.17E-03
1.00E+01	8.27E-04	1.24E-04	9.51E-04
2.00E+01	8.09E-04	0.00E+00	8.09E-04
3.00E+01	7.98E-04	0.00E+00	7.98E-04
4.00E+01	7.91E-04	0.00E+00	7.91E-04
5.00E+01	7.86E-04	0.00E+00	7.86E-04
6.00E+01	7.81E-04	0.00E+00	7.81E-04
7.00E+01	7.78E-04	0.00E+00	7.78E-04
8.00E+01	7.74E-04	0.00E+00	7.74E-04
9.00E+01	7.71E-04	0.00E+00	7.71E-04
1.00E+02	7.68E-04	0.00E+00	7.68E-04
2.00E+02	7.36E-04	0.00E+00	7.36E-04
3.00E+02	7.07E-04	0.00E+00	7.07E-04
4.00E+02	6.78E-04	0.00E+00	6.78E-04
5.00E+02	6.51E-04	0.00E+00	6.51E-04
6.00E+02	6.24E-04	0.00E+00	6.24E-04
7.00E+02	5.99E-04	0.00E+00	5.99E-04
8.00E+02	5.75E-04	0.00E+00	5.75E-04
9.00E+02	5.51E-04	0.00E+00	5.51E-04
1.00E+03	5.29E-04	0.00E+00	5.29E-04
2.00E+03	3.50E-04	0.00E+00	3.50E-04
3.00E+03	2.31E-04	0.00E+00	2.31E-04
4.00E+03	1.53E-04	0.00E+00	1.53E-04
5.00E+03	1.01E-04	0.00E+00	1.01E-04
7.00E+03	4.42E-05	0.00E+00	4.42E-05
8.00E+03	2.92E-05	0.00E+00	2.92E-05
9.00E+03	1.93E-05	0.00E+00	1.93E-05
1.00E+04	1.28E-05	0.00E+00	1.28E-05
2.00E+04	2.04E-07	0.00E+00	2.04E-07

INGESTION

$f_1 = 1.00E-03$

HALFLIFE= 3.21E+03 DAYS

EUROPIUM 154

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		4.50E-06		6.10E-04
2.00E-01		1.95E-05		5.90E-03
3.00E-01		3.90E-05		1.93E-02
4.00E-01		5.84E-05		4.16E-02
5.00E-01		7.57E-05		7.17E-02
6.00E-01		9.03E-05		1.08E-01
7.00E-01		1.02E-04		1.49E-01
8.00E-01		1.12E-04		1.94E-01
9.00E-01		1.19E-04		2.40E-01
1.00E+00	1.25E-04	1.25E-04	2.86E-01	2.86E-01
2.00E+00	2.08E-05	1.46E-04	3.89E-01	6.75E-01
3.00E+00	4.78E-06	1.51E-04	1.95E-01	8.70E-01
4.00E+00	3.53E-06	1.54E-04	7.97E-02	9.49E-01
5.00E+00	3.25E-06	1.58E-04	3.06E-02	9.80E-01
6.00E+00	3.04E-06	1.61E-04	1.15E-02	9.91E-01
7.00E+00	2.84E-06	1.63E-04	4.25E-03	9.95E-01
8.00E+00	2.66E-06	1.66E-04	1.57E-03	9.96E-01
9.00E+00	2.49E-06	1.68E-04	5.77E-04	9.97E-01
1.00E+01	2.34E-06	1.71E-04	2.12E-04	9.97E-01
2.00E+01	1.24E-06	1.87E-04	0.00E+00	9.95E-01
3.00E+01	6.99E-07	1.96E-04	0.00E+00	9.93E-01
4.00E+01	4.27E-07	2.01E-04	0.00E+00	9.90E-01
5.00E+01	2.90E-07	2.04E-04	0.00E+00	9.88E-01
6.00E+01	2.22E-07	2.06E-04	0.00E+00	9.86E-01
7.00E+01	1.88E-07	2.07E-04	0.00E+00	9.84E-01
8.00E+01	1.70E-07	2.09E-04	0.00E+00	9.82E-01
9.00E+01	1.61E-07	2.10E-04	0.00E+00	9.80E-01
1.00E+02	1.56E-07	2.11E-04	0.00E+00	9.78E-01
2.00E+02	1.46E-07	2.21E-04	0.00E+00	9.57E-01
3.00E+02	1.40E-07	2.31E-04	0.00E+00	9.36E-01
4.00E+02	1.34E-07	2.39E-04	0.00E+00	9.16E-01
5.00E+02	1.29E-07	2.47E-04	0.00E+00	8.97E-01
6.00E+02	1.24E-07	2.54E-04	0.00E+00	8.78E-01
7.00E+02	1.19E-07	2.61E-04	0.00E+00	8.59E-01
8.00E+02	1.14E-07	2.67E-04	0.00E+00	8.41E-01
9.00E+02	1.09E-07	2.72E-04	0.00E+00	8.23E-01
1.00E+03	1.05E-07	2.77E-04	0.00E+00	8.05E-01
2.00E+03	6.92E-08	3.00E-04	0.00E+00	6.49E-01
3.00E+03	4.58E-08	2.92E-04	0.00E+00	5.23E-01
4.00E+03	3.03E-08	2.69E-04	0.00E+00	4.21E-01
5.00E+03	2.00E-08	2.39E-04	0.00E+00	3.40E-01
6.00E+03	1.32E-08	2.07E-04	0.00E+00	2.74E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	8.75E-05	9.99E-01	9.99E-01
2.00E-01	1.71E-04	9.94E-01	9.94E-01
3.00E-01	2.16E-04	9.80E-01	9.81E-01
4.00E-01	2.37E-04	9.58E-01	9.58E-01
5.00E-01	2.45E-04	9.28E-01	9.28E-01
6.00E-01	2.47E-04	8.91E-01	8.92E-01
7.00E-01	2.46E-04	8.50E-01	8.51E-01
8.00E-01	2.45E-04	8.06E-01	8.06E-01
9.00E-01	2.43E-04	7.60E-01	7.60E-01
1.00E+00	2.41E-04	7.13E-01	7.13E-01
2.00E+00	2.33E-04	3.24E-01	3.24E-01
3.00E+00	2.32E-04	1.29E-01	1.29E-01
4.00E+00	2.32E-04	4.89E-02	4.91E-02
5.00E+00	2.31E-04	1.82E-02	1.85E-02
6.00E+00	2.31E-04	6.74E-03	6.97E-03
7.00E+00	2.30E-04	2.49E-03	2.72E-03
8.00E+00	2.30E-04	9.15E-04	1.15E-03
9.00E+00	2.30E-04	3.37E-04	5.66E-04
1.00E+01	2.29E-04	1.24E-04	3.53E-04
2.00E+01	2.26E-04	0.00E+00	2.26E-04
3.00E+01	2.25E-04	0.00E+00	2.25E-04
4.00E+01	2.24E-04	0.00E+00	2.24E-04
5.00E+01	2.23E-04	0.00E+00	2.23E-04
6.00E+01	2.22E-04	0.00E+00	2.22E-04
7.00E+01	2.22E-04	0.00E+00	2.22E-04
8.00E+01	2.22E-04	0.00E+00	2.22E-04
9.00E+01	2.21E-04	0.00E+00	2.21E-04
1.00E+02	2.21E-04	0.00E+00	2.21E-04
2.00E+02	2.16E-04	0.00E+00	2.16E-04
3.00E+02	2.12E-04	0.00E+00	2.12E-04
4.00E+02	2.08E-04	0.00E+00	2.08E-04
5.00E+02	2.04E-04	0.00E+00	2.04E-04
6.00E+02	2.00E-04	0.00E+00	2.00E-04
7.00E+02	1.96E-04	0.00E+00	1.96E-04
8.00E+02	1.92E-04	0.00E+00	1.92E-04
9.00E+02	1.88E-04	0.00E+00	1.88E-04
1.00E+03	1.85E-04	0.00E+00	1.85E-04
2.00E+03	1.51E-04	0.00E+00	1.51E-04
3.00E+03	1.24E-04	0.00E+00	1.24E-04
4.00E+03	1.02E-04	0.00E+00	1.02E-04
5.00E+03	8.36E-05	0.00E+00	8.36E-05
7.00E+03	5.63E-05	0.00E+00	5.63E-05
8.00E+03	4.62E-05	0.00E+00	4.62E-05
9.00E+03	3.79E-05	0.00E+00	3.79E-05
1.00E+04	3.11E-05	0.00E+00	3.11E-05
2.00E+04	4.29E-06	0.00E+00	4.29E-06

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		2.10E-06		6.10E-04
2.00E-01		9.10E-06		5.90E-03
3.00E-01		1.82E-05		1.94E-02
4.00E-01		2.72E-05		4.16E-02
5.00E-01		3.53E-05		7.18E-02
6.00E-01		4.20E-05		1.08E-01
7.00E-01		4.75E-05		1.49E-01
8.00E-01		5.19E-05		1.94E-01
9.00E-01		5.53E-05		2.40E-01
1.00E+00	5.80E-05	5.80E-05	2.86E-01	2.86E-01
2.00E+00	8.57E-06	6.66E-05	3.90E-01	6.76E-01
3.00E+00	1.09E-06	6.77E-05	1.95E-01	8.71E-01
4.00E+00	5.73E-07	6.82E-05	7.98E-02	9.51E-01
5.00E+00	5.10E-07	6.88E-05	3.07E-02	9.81E-01
6.00E+00	4.77E-07	6.92E-05	1.15E-02	9.93E-01
7.00E+00	4.48E-07	6.97E-05	4.26E-03	9.97E-01
8.00E+00	4.21E-07	7.01E-05	1.57E-03	9.99E-01
9.00E+00	3.96E-07	7.05E-05	5.79E-04	9.99E-01
1.00E+01	3.72E-07	7.09E-05	2.13E-04	1.00E+00
2.00E+01	2.08E-07	7.36E-05	0.00E+00	1.00E+00
3.00E+01	1.26E-07	7.52E-05	0.00E+00	1.00E+00
4.00E+01	8.52E-08	7.62E-05	0.00E+00	1.00E+00
5.00E+01	6.46E-08	7.69E-05	0.00E+00	1.00E+00
6.00E+01	5.43E-08	7.75E-05	0.00E+00	1.00E+00
7.00E+01	4.91E-08	7.80E-05	0.00E+00	1.00E+00
8.00E+01	4.64E-08	7.85E-05	0.00E+00	1.00E+00
9.00E+01	4.51E-08	7.89E-05	0.00E+00	1.00E+00
1.00E+02	4.43E-08	7.94E-05	0.00E+00	1.00E+00
2.00E+02	4.28E-08	8.37E-05	0.00E+00	1.00E+00
3.00E+02	4.20E-08	8.80E-05	0.00E+00	1.00E+00
4.00E+02	4.12E-08	9.21E-05	0.00E+00	1.00E+00
5.00E+02	4.04E-08	9.62E-05	0.00E+00	1.00E+00
6.00E+02	3.96E-08	1.00E-04	0.00E+00	1.00E+00
7.00E+02	3.88E-08	1.04E-04	0.00E+00	1.00E+00
8.00E+02	3.80E-08	1.08E-04	0.00E+00	1.00E+00
9.00E+02	3.73E-08	1.12E-04	0.00E+00	1.00E+00
1.00E+03	3.66E-08	1.15E-04	0.00E+00	1.00E+00
2.00E+03	3.00E-08	1.49E-04	0.00E+00	1.00E+00
3.00E+03	2.46E-08	1.76E-04	0.00E+00	1.00E+00
4.00E+03	2.02E-08	1.98E-04	0.00E+00	1.00E+00
5.00E+03	1.66E-08	2.16E-04	0.00E+00	1.00E+00
6.00E+03	1.36E-08	2.31E-04	0.00E+00	1.00E+00
7.00E+03	1.11E-08	2.44E-04	0.00E+00	1.00E+00

INGESTION

 $f_1 = 3.00E-04$

STABLE

TERBIUM 159

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	8.77E-05	9.99E-01	9.99E-01
2.00E-01	1.72E-04	9.94E-01	9.94E-01
3.00E-01	2.17E-04	9.80E-01	9.81E-01
4.00E-01	2.39E-04	9.58E-01	9.58E-01
5.00E-01	2.48E-04	9.28E-01	9.28E-01
6.00E-01	2.51E-04	8.91E-01	8.92E-01
7.00E-01	2.51E-04	8.50E-01	8.51E-01
8.00E-01	2.49E-04	8.06E-01	8.06E-01
9.00E-01	2.48E-04	7.60E-01	7.60E-01
1.00E+00	2.46E-04	7.13E-01	7.13E-01
2.00E+00	2.39E-04	3.24E-01	3.24E-01
3.00E+00	2.37E-04	1.29E-01	1.29E-01
4.00E+00	2.36E-04	4.89E-02	4.91E-02
5.00E+00	2.36E-04	1.82E-02	1.85E-02
6.00E+00	2.35E-04	6.74E-03	6.98E-03
7.00E+00	2.34E-04	2.49E-03	2.72E-03
8.00E+00	2.33E-04	9.15E-04	1.15E-03
9.00E+00	2.33E-04	3.37E-04	5.70E-04
1.00E+01	2.32E-04	1.24E-04	3.56E-04
2.00E+01	2.28E-04	0.00E+00	2.28E-04
3.00E+01	2.26E-04	0.00E+00	2.26E-04
4.00E+01	2.24E-04	0.00E+00	2.24E-04
5.00E+01	2.23E-04	0.00E+00	2.23E-04
6.00E+01	2.23E-04	0.00E+00	2.23E-04
7.00E+01	2.22E-04	0.00E+00	2.22E-04
8.00E+01	2.22E-04	0.00E+00	2.22E-04
9.00E+01	2.21E-04	0.00E+00	2.21E-04
1.00E+02	2.21E-04	0.00E+00	2.21E-04
2.00E+02	2.16E-04	0.00E+00	2.16E-04
3.00E+02	2.12E-04	0.00E+00	2.12E-04
4.00E+02	2.08E-04	0.00E+00	2.08E-04
5.00E+02	2.04E-04	0.00E+00	2.04E-04
6.00E+02	2.00E-04	0.00E+00	2.00E-04
7.00E+02	1.96E-04	0.00E+00	1.96E-04
8.00E+02	1.92E-04	0.00E+00	1.92E-04
9.00E+02	1.88E-04	0.00E+00	1.88E-04
1.00E+03	1.85E-04	0.00E+00	1.85E-04
2.00E+03	1.51E-04	0.00E+00	1.51E-04
3.00E+03	1.24E-04	0.00E+00	1.24E-04
4.00E+03	1.02E-04	0.00E+00	1.02E-04
5.00E+03	8.36E-05	0.00E+00	8.36E-05
7.00E+03	5.63E-05	0.00E+00	5.63E-05
8.00E+03	4.62E-05	0.00E+00	4.62E-05
9.00E+03	3.79E-05	0.00E+00	3.79E-05
1.00E+04	3.11E-05	0.00E+00	3.11E-05
2.00E+04	4.29E-06	0.00E+00	4.29E-06

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		1.92E-06		6.10E-04
2.00E-01		8.30E-06		5.90E-03
3.00E-01		1.66E-05		1.94E-02
4.00E-01		2.48E-05		4.16E-02
5.00E-01		3.22E-05		7.18E-02
6.00E-01		3.84E-05		1.08E-01
7.00E-01		4.34E-05		1.49E-01
8.00E-01		4.75E-05		1.94E-01
9.00E-01		5.06E-05		2.40E-01
1.00E+00	5.31E-05	5.31E-05	2.86E-01	2.86E-01
2.00E+00	8.22E-06	6.13E-05	3.90E-01	6.76E-01
3.00E+00	1.39E-06	6.27E-05	1.95E-01	8.71E-01
4.00E+00	9.01E-07	6.36E-05	7.98E-02	9.51E-01
5.00E+00	8.19E-07	6.45E-05	3.07E-02	9.81E-01
6.00E+00	7.65E-07	6.52E-05	1.15E-02	9.93E-01
7.00E+00	7.17E-07	6.59E-05	4.26E-03	9.97E-01
8.00E+00	6.72E-07	6.66E-05	1.57E-03	9.99E-01
9.00E+00	6.30E-07	6.72E-05	5.79E-04	9.99E-01
1.00E+01	5.91E-07	6.78E-05	2.13E-04	1.00E+00
2.00E+01	3.17E-07	7.21E-05	0.00E+00	1.00E+00
3.00E+01	1.81E-07	7.44E-05	0.00E+00	1.00E+00
4.00E+01	1.13E-07	7.58E-05	0.00E+00	1.00E+00
5.00E+01	7.83E-08	7.67E-05	0.00E+00	1.00E+00
6.00E+01	6.11E-08	7.74E-05	0.00E+00	1.00E+00
7.00E+01	5.25E-08	7.80E-05	0.00E+00	1.00E+00
8.00E+01	4.81E-08	7.85E-05	0.00E+00	1.00E+00
9.00E+01	4.59E-08	7.89E-05	0.00E+00	1.00E+00
1.00E+02	4.48E-08	7.94E-05	0.00E+00	1.00E+00
2.00E+02	4.28E-08	8.37E-05	0.00E+00	1.00E+00
3.00E+02	4.20E-08	8.80E-05	0.00E+00	1.00E+00
4.00E+02	4.12E-08	9.21E-05	0.00E+00	1.00E+00
5.00E+02	4.04E-08	9.62E-05	0.00E+00	1.00E+00
6.00E+02	3.96E-08	1.00E-04	0.00E+00	1.00E+00
7.00E+02	3.88E-08	1.04E-04	0.00E+00	1.00E+00
8.00E+02	3.80E-08	1.08E-04	0.00E+00	1.00E+00
9.00E+02	3.73E-08	1.12E-04	0.00E+00	1.00E+00
1.00E+03	3.66E-08	1.15E-04	0.00E+00	1.00E+00
2.00E+03	3.00E-08	1.49E-04	0.00E+00	1.00E+00
3.00E+03	2.46E-08	1.76E-04	0.00E+00	1.00E+00
4.00E+03	2.02E-08	1.98E-04	0.00E+00	1.00E+00
5.00E+03	1.66E-08	2.16E-04	0.00E+00	1.00E+00
6.00E+03	1.36E-08	2.31E-04	0.00E+00	1.00E+00
7.00E+03	1.11E-08	2.44E-04	0.00E+00	1.00E+00

INGESTION

$f_1 = 3.00E-04$

STABLE

DYSPROSIUM 162

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	8.69E-05	9.99E-01	9.99E-01
2.00E-01	1.69E-04	9.94E-01	9.94E-01
3.00E-01	2.11E-04	9.80E-01	9.81E-01
4.00E-01	2.29E-04	9.58E-01	9.58E-01
5.00E-01	2.35E-04	9.28E-01	9.28E-01
6.00E-01	2.36E-04	8.91E-01	8.92E-01
7.00E-01	2.34E-04	8.50E-01	8.51E-01
8.00E-01	2.31E-04	8.06E-01	8.06E-01
9.00E-01	2.28E-04	7.60E-01	7.60E-01
1.00E+00	2.25E-04	7.13E-01	7.13E-01
2.00E+00	2.16E-04	3.24E-01	3.24E-01
3.00E+00	2.15E-04	1.29E-01	1.29E-01
4.00E+00	2.14E-04	4.89E-02	4.91E-02
5.00E+00	2.14E-04	1.82E-02	1.84E-02
6.00E+00	2.14E-04	6.74E-03	6.95E-03
7.00E+00	2.13E-04	2.49E-03	2.70E-03
8.00E+00	2.13E-04	9.15E-04	1.13E-03
9.00E+00	2.13E-04	3.37E-04	5.50E-04
1.00E+01	2.13E-04	1.24E-04	3.37E-04
2.00E+01	2.11E-04	0.00E+00	2.11E-04
3.00E+01	2.10E-04	0.00E+00	2.10E-04
4.00E+01	2.09E-04	0.00E+00	2.09E-04
5.00E+01	2.08E-04	0.00E+00	2.08E-04
6.00E+01	2.08E-04	0.00E+00	2.08E-04
7.00E+01	2.07E-04	0.00E+00	2.07E-04
8.00E+01	2.07E-04	0.00E+00	2.07E-04
9.00E+01	2.06E-04	0.00E+00	2.06E-04
1.00E+02	2.06E-04	0.00E+00	2.06E-04
2.00E+02	2.02E-04	0.00E+00	2.02E-04
3.00E+02	1.98E-04	0.00E+00	1.98E-04
4.00E+02	1.94E-04	0.00E+00	1.94E-04
5.00E+02	1.90E-04	0.00E+00	1.90E-04
6.00E+02	1.86E-04	0.00E+00	1.86E-04
7.00E+02	1.83E-04	0.00E+00	1.83E-04
8.00E+02	1.79E-04	0.00E+00	1.79E-04
9.00E+02	1.76E-04	0.00E+00	1.76E-04
1.00E+03	1.72E-04	0.00E+00	1.72E-04
2.00E+03	1.41E-04	0.00E+00	1.41E-04
3.00E+03	1.16E-04	0.00E+00	1.16E-04
4.00E+03	9.51E-05	0.00E+00	9.51E-05
5.00E+03	7.80E-05	0.00E+00	7.80E-05
7.00E+03	5.25E-05	0.00E+00	5.25E-05
8.00E+03	4.31E-05	0.00E+00	4.31E-05
9.00E+03	3.53E-05	0.00E+00	3.53E-05
1.00E+04	2.90E-05	0.00E+00	2.90E-05
2.00E+04	4.00E-06	0.00E+00	4.00E-06

INGESTION

$f_1 = 3.00E-04$

STABLE

DYSPROSIUM 162

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		2.67E-06		6.10E-04
2.00E-01		1.16E-05		5.90E-03
3.00E-01		2.31E-05		1.94E-02
4.00E-01		3.46E-05		4.16E-02
5.00E-01		4.48E-05		7.18E-02
6.00E-01		5.33E-05		1.08E-01
7.00E-01		6.03E-05		1.49E-01
8.00E-01		6.58E-05		1.94E-01
9.00E-01		7.02E-05		2.40E-01
1.00E+00	7.35E-05	7.35E-05	2.86E-01	2.86E-01
2.00E+00	1.05E-05	8.41E-05	3.90E-01	6.76E-01
3.00E+00	1.04E-06	8.51E-05	1.95E-01	8.71E-01
4.00E+00	4.13E-07	8.55E-05	7.98E-02	9.51E-01
5.00E+00	3.53E-07	8.59E-05	3.07E-02	9.81E-01
6.00E+00	3.30E-07	8.62E-05	1.15E-02	9.93E-01
7.00E+00	3.10E-07	8.65E-05	4.26E-03	9.97E-01
8.00E+00	2.92E-07	8.68E-05	1.57E-03	9.99E-01
9.00E+00	2.76E-07	8.71E-05	5.79E-04	9.99E-01
1.00E+01	2.60E-07	8.74E-05	2.13E-04	1.00E+00
2.00E+01	1.51E-07	8.93E-05	0.00E+00	1.00E+00
3.00E+01	9.60E-08	9.05E-05	0.00E+00	1.00E+00
4.00E+01	6.86E-08	9.13E-05	0.00E+00	1.00E+00
5.00E+01	5.48E-08	9.19E-05	0.00E+00	1.00E+00
6.00E+01	4.79E-08	9.24E-05	0.00E+00	1.00E+00
7.00E+01	4.44E-08	9.28E-05	0.00E+00	1.00E+00
8.00E+01	4.26E-08	9.33E-05	0.00E+00	1.00E+00
9.00E+01	4.17E-08	9.37E-05	0.00E+00	1.00E+00
1.00E+02	4.12E-08	9.41E-05	0.00E+00	1.00E+00
2.00E+02	4.00E-08	9.81E-05	0.00E+00	1.00E+00
3.00E+02	3.92E-08	1.02E-04	0.00E+00	1.00E+00
4.00E+02	3.84E-08	1.06E-04	0.00E+00	1.00E+00
5.00E+02	3.77E-08	1.10E-04	0.00E+00	1.00E+00
6.00E+02	3.69E-08	1.14E-04	0.00E+00	1.00E+00
7.00E+02	3.62E-08	1.17E-04	0.00E+00	1.00E+00
8.00E+02	3.55E-08	1.21E-04	0.00E+00	1.00E+00
9.00E+02	3.48E-08	1.24E-04	0.00E+00	1.00E+00
1.00E+03	3.41E-08	1.28E-04	0.00E+00	1.00E+00
2.00E+03	2.80E-08	1.59E-04	0.00E+00	1.00E+00
3.00E+03	2.30E-08	1.84E-04	0.00E+00	1.00E+00
4.00E+03	1.88E-08	2.05E-04	0.00E+00	1.00E+00
5.00E+03	1.55E-08	2.22E-04	0.00E+00	1.00E+00
6.00E+03	1.27E-08	2.36E-04	0.00E+00	1.00E+00
7.00E+03	1.04E-08	2.47E-04	0.00E+00	1.00E+00

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	8.81E-05	9.99E-01	9.99E-01
2.00E-01	1.74E-04	9.94E-01	9.94E-01
3.00E-01	2.22E-04	9.80E-01	9.81E-01
4.00E-01	2.45E-04	9.58E-01	9.58E-01
5.00E-01	2.56E-04	9.28E-01	9.28E-01
6.00E-01	2.61E-04	8.91E-01	8.92E-01
7.00E-01	2.62E-04	8.50E-01	8.51E-01
8.00E-01	2.62E-04	8.06E-01	8.06E-01
9.00E-01	2.61E-04	7.60E-01	7.60E-01
1.00E+00	2.60E-04	7.13E-01	7.13E-01
2.00E+00	2.55E-04	3.24E-01	3.24E-01
3.00E+00	2.55E-04	1.29E-01	1.29E-01
4.00E+00	2.55E-04	4.89E-02	4.91E-02
5.00E+00	2.55E-04	1.82E-02	1.85E-02
6.00E+00	2.55E-04	6.74E-03	7.00E-03
7.00E+00	2.55E-04	2.49E-03	2.74E-03
8.00E+00	2.55E-04	9.15E-04	1.17E-03
9.00E+00	2.55E-04	3.37E-04	5.91E-04
1.00E+01	2.55E-04	1.24E-04	3.78E-04
2.00E+01	2.54E-04	0.00E+00	2.54E-04
3.00E+01	2.54E-04	0.00E+00	2.54E-04
4.00E+01	2.53E-04	0.00E+00	2.53E-04
5.00E+01	2.52E-04	0.00E+00	2.52E-04
6.00E+01	2.52E-04	0.00E+00	2.52E-04
7.00E+01	2.52E-04	0.00E+00	2.52E-04
8.00E+01	2.51E-04	0.00E+00	2.51E-04
9.00E+01	2.51E-04	0.00E+00	2.51E-04
1.00E+02	2.50E-04	0.00E+00	2.50E-04
2.00E+02	2.45E-04	0.00E+00	2.45E-04
3.00E+02	2.40E-04	0.00E+00	2.40E-04
4.00E+02	2.36E-04	0.00E+00	2.36E-04
5.00E+02	2.31E-04	0.00E+00	2.31E-04
6.00E+02	2.26E-04	0.00E+00	2.26E-04
7.00E+02	2.22E-04	0.00E+00	2.22E-04
8.00E+02	2.18E-04	0.00E+00	2.18E-04
9.00E+02	2.13E-04	0.00E+00	2.13E-04
1.00E+03	2.09E-04	0.00E+00	2.09E-04
2.00E+03	1.72E-04	0.00E+00	1.72E-04
3.00E+03	1.41E-04	0.00E+00	1.41E-04
4.00E+03	1.16E-04	0.00E+00	1.16E-04
5.00E+03	9.48E-05	0.00E+00	9.48E-05
7.00E+03	6.38E-05	0.00E+00	6.38E-05
8.00E+03	5.23E-05	0.00E+00	5.23E-05
9.00E+03	4.29E-05	0.00E+00	4.29E-05
1.00E+04	3.52E-05	0.00E+00	3.52E-05
2.00E+04	4.86E-06	0.00E+00	4.86E-06

INGESTION

 $f_1 = 3.00E-04$

STABLE

HOLMIUM 165

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		1.43E-06		6.10E-04
2.00E-01		6.18E-06		5.90E-03
3.00E-01		1.23E-05		1.94E-02
4.00E-01		1.85E-05		4.16E-02
5.00E-01		2.39E-05		7.18E-02
6.00E-01		2.85E-05		1.08E-01
7.00E-01		3.22E-05		1.49E-01
8.00E-01		3.52E-05		1.94E-01
9.00E-01		3.75E-05		2.40E-01
1.00E+00	3.92E-05	3.92E-05	2.86E-01	2.86E-01
2.00E+00	5.47E-06	4.47E-05	3.90E-01	6.76E-01
3.00E+00	3.98E-07	4.51E-05	1.95E-01	8.71E-01
4.00E+00	7.22E-08	4.52E-05	7.98E-02	9.51E-01
5.00E+00	5.18E-08	4.52E-05	3.07E-02	9.81E-01
6.00E+00	5.05E-08	4.53E-05	1.15E-02	9.93E-01
7.00E+00	5.04E-08	4.53E-05	4.26E-03	9.97E-01
8.00E+00	5.04E-08	4.54E-05	1.57E-03	9.99E-01
9.00E+00	5.04E-08	4.54E-05	5.79E-04	9.99E-01
1.00E+01	5.04E-08	4.55E-05	2.13E-04	1.00E+00
2.00E+01	5.03E-08	4.60E-05	0.00E+00	1.00E+00
3.00E+01	5.02E-08	4.65E-05	0.00E+00	1.00E+00
4.00E+01	5.01E-08	4.70E-05	0.00E+00	1.00E+00
5.00E+01	5.00E-08	4.75E-05	0.00E+00	1.00E+00
6.00E+01	4.99E-08	4.80E-05	0.00E+00	1.00E+00
7.00E+01	4.98E-08	4.85E-05	0.00E+00	1.00E+00
8.00E+01	4.97E-08	4.90E-05	0.00E+00	1.00E+00
9.00E+01	4.96E-08	4.95E-05	0.00E+00	1.00E+00
1.00E+02	4.95E-08	5.00E-05	0.00E+00	1.00E+00
2.00E+02	4.85E-08	5.49E-05	0.00E+00	1.00E+00
3.00E+02	4.76E-08	5.97E-05	0.00E+00	1.00E+00
4.00E+02	4.67E-08	6.44E-05	0.00E+00	1.00E+00
5.00E+02	4.57E-08	6.90E-05	0.00E+00	1.00E+00
6.00E+02	4.48E-08	7.36E-05	0.00E+00	1.00E+00
7.00E+02	4.40E-08	7.80E-05	0.00E+00	1.00E+00
8.00E+02	4.31E-08	8.23E-05	0.00E+00	1.00E+00
9.00E+02	4.23E-08	8.66E-05	0.00E+00	1.00E+00
1.00E+03	4.14E-08	9.08E-05	0.00E+00	1.00E+00
2.00E+03	3.40E-08	1.28E-04	0.00E+00	1.00E+00
3.00E+03	2.79E-08	1.59E-04	0.00E+00	1.00E+00
4.00E+03	2.29E-08	1.84E-04	0.00E+00	1.00E+00
5.00E+03	1.88E-08	2.05E-04	0.00E+00	1.00E+00
6.00E+03	1.54E-08	2.22E-04	0.00E+00	1.00E+00
7.00E+03	1.26E-08	2.36E-04	0.00E+00	1.00E+00
8.00E+03	1.04E-08	2.48E-04	0.00E+00	1.00E+00

INGESTION

$f_1 = 3.00E-04$

STABLE

ERBIUM 167

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	8.72E-05	9.99E-01	9.99E-01
2.00E-01	1.70E-04	9.94E-01	9.94E-01
3.00E-01	2.13E-04	9.80E-01	9.81E-01
4.00E-01	2.33E-04	9.58E-01	9.58E-01
5.00E-01	2.40E-04	9.28E-01	9.28E-01
6.00E-01	2.42E-04	8.91E-01	8.92E-01
7.00E-01	2.40E-04	8.50E-01	8.51E-01
8.00E-01	2.38E-04	8.06E-01	8.06E-01
9.00E-01	2.36E-04	7.60E-01	7.60E-01
1.00E+00	2.34E-04	7.13E-01	7.13E-01
2.00E+00	2.26E-04	3.24E-01	3.24E-01
3.00E+00	2.25E-04	1.29E-01	1.29E-01
4.00E+00	2.25E-04	4.89E-02	4.91E-02
5.00E+00	2.25E-04	1.82E-02	1.84E-02
6.00E+00	2.25E-04	6.74E-03	6.97E-03
7.00E+00	2.25E-04	2.49E-03	2.71E-03
8.00E+00	2.25E-04	9.15E-04	1.14E-03
9.00E+00	2.25E-04	3.37E-04	5.62E-04
1.00E+01	2.25E-04	1.24E-04	3.49E-04
2.00E+01	2.24E-04	0.00E+00	2.24E-04
3.00E+01	2.24E-04	0.00E+00	2.24E-04
4.00E+01	2.23E-04	0.00E+00	2.23E-04
5.00E+01	2.23E-04	0.00E+00	2.23E-04
6.00E+01	2.22E-04	0.00E+00	2.22E-04
7.00E+01	2.22E-04	0.00E+00	2.22E-04
8.00E+01	2.21E-04	0.00E+00	2.21E-04
9.00E+01	2.21E-04	0.00E+00	2.21E-04
1.00E+02	2.21E-04	0.00E+00	2.21E-04
2.00E+02	2.16E-04	0.00E+00	2.16E-04
3.00E+02	2.12E-04	0.00E+00	2.12E-04
4.00E+02	2.08E-04	0.00E+00	2.08E-04
5.00E+02	2.04E-04	0.00E+00	2.04E-04
6.00E+02	2.00E-04	0.00E+00	2.00E-04
7.00E+02	1.96E-04	0.00E+00	1.96E-04
8.00E+02	1.92E-04	0.00E+00	1.92E-04
9.00E+02	1.88E-04	0.00E+00	1.88E-04
1.00E+03	1.85E-04	0.00E+00	1.85E-04
2.00E+03	1.51E-04	0.00E+00	1.51E-04
3.00E+03	1.24E-04	0.00E+00	1.24E-04
4.00E+03	1.02E-04	0.00E+00	1.02E-04
5.00E+03	8.36E-05	0.00E+00	8.36E-05
7.00E+03	5.63E-05	0.00E+00	5.63E-05
8.00E+03	4.62E-05	0.00E+00	4.62E-05
9.00E+03	3.79E-05	0.00E+00	3.79E-05
1.00E+04	3.11E-05	0.00E+00	3.11E-05
2.00E+04	4.29E-06	0.00E+00	4.29E-06

INGESTION

$f_1 = 3.00E-04$

STABLE

ERBIUM 167

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		2.38E-06		6.10E-04
2.00E-01		1.03E-05		5.90E-03
3.00E-01		2.06E-05		1.94E-02
4.00E-01		3.08E-05		4.16E-02
5.00E-01		3.99E-05		7.18E-02
6.00E-01		4.75E-05		1.08E-01
7.00E-01		5.37E-05		1.49E-01
8.00E-01		5.86E-05		1.94E-01
9.00E-01		6.24E-05		2.40E-01
1.00E+00	6.54E-05	6.54E-05	2.86E-01	2.86E-01
2.00E+00	9.08E-06	7.45E-05	3.90E-01	6.76E-01
3.00E+00	6.24E-07	7.51E-05	1.95E-01	8.71E-01
4.00E+00	8.08E-08	7.52E-05	7.98E-02	9.51E-01
5.00E+00	4.68E-08	7.52E-05	3.07E-02	9.81E-01
6.00E+00	4.46E-08	7.53E-05	1.15E-02	9.93E-01
7.00E+00	4.45E-08	7.53E-05	4.26E-03	9.97E-01
8.00E+00	4.45E-08	7.53E-05	1.57E-03	9.99E-01
9.00E+00	4.45E-08	7.54E-05	5.79E-04	9.99E-01
1.00E+01	4.45E-08	7.54E-05	2.13E-04	1.00E+00
2.00E+01	4.44E-08	7.59E-05	0.00E+00	1.00E+00
3.00E+01	4.43E-08	7.63E-05	0.00E+00	1.00E+00
4.00E+01	4.42E-08	7.68E-05	0.00E+00	1.00E+00
5.00E+01	4.41E-08	7.72E-05	0.00E+00	1.00E+00
6.00E+01	4.40E-08	7.76E-05	0.00E+00	1.00E+00
7.00E+01	4.39E-08	7.81E-05	0.00E+00	1.00E+00
8.00E+01	4.39E-08	7.85E-05	0.00E+00	1.00E+00
9.00E+01	4.38E-08	7.90E-05	0.00E+00	1.00E+00
1.00E+02	4.37E-08	7.94E-05	0.00E+00	1.00E+00
2.00E+02	4.28E-08	8.37E-05	0.00E+00	1.00E+00
3.00E+02	4.20E-08	8.80E-05	0.00E+00	1.00E+00
4.00E+02	4.12E-08	9.21E-05	0.00E+00	1.00E+00
5.00E+02	4.04E-08	9.62E-05	0.00E+00	1.00E+00
6.00E+02	3.96E-08	1.00E-04	0.00E+00	1.00E+00
7.00E+02	3.88E-08	1.04E-04	0.00E+00	1.00E+00
8.00E+02	3.80E-08	1.08E-04	0.00E+00	1.00E+00
9.00E+02	3.73E-08	1.12E-04	0.00E+00	1.00E+00
1.00E+03	3.66E-08	1.15E-04	0.00E+00	1.00E+00
2.00E+03	3.00E-08	1.49E-04	0.00E+00	1.00E+00
3.00E+03	2.46E-08	1.76E-04	0.00E+00	1.00E+00
4.00E+03	2.02E-08	1.98E-04	0.00E+00	1.00E+00
5.00E+03	1.66E-08	2.16E-04	0.00E+00	1.00E+00
6.00E+03	1.36E-08	2.31E-04	0.00E+00	1.00E+00
7.00E+03	1.11E-08	2.44E-04	0.00E+00	1.00E+00

INGESTION

$f_1 = 3.00E-04$

STABLE

YTTTERBIUM 173

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	8.60E-05	9.99E-01	9.99E-01
2.00E-01	1.65E-04	9.94E-01	9.94E-01
3.00E-01	2.03E-04	9.80E-01	9.81E-01
4.00E-01	2.16E-04	9.58E-01	9.58E-01
5.00E-01	2.17E-04	9.28E-01	9.28E-01
6.00E-01	2.13E-04	8.91E-01	8.92E-01
7.00E-01	2.07E-04	8.50E-01	8.51E-01
8.00E-01	2.01E-04	8.06E-01	8.06E-01
9.00E-01	1.95E-04	7.60E-01	7.60E-01
1.00E+00	1.89E-04	7.13E-01	7.13E-01
2.00E+00	1.68E-04	3.24E-01	3.24E-01
3.00E+00	1.66E-04	1.29E-01	1.29E-01
4.00E+00	1.65E-04	4.89E-02	4.90E-02
5.00E+00	1.65E-04	1.82E-02	1.84E-02
6.00E+00	1.64E-04	6.74E-03	6.91E-03
7.00E+00	1.64E-04	2.49E-03	2.65E-03
8.00E+00	1.64E-04	9.15E-04	1.08E-03
9.00E+00	1.63E-04	3.37E-04	5.00E-04
1.00E+01	1.63E-04	1.24E-04	2.87E-04
2.00E+01	1.61E-04	0.00E+00	1.61E-04
3.00E+01	1.60E-04	0.00E+00	1.60E-04
4.00E+01	1.60E-04	0.00E+00	1.60E-04
5.00E+01	1.59E-04	0.00E+00	1.59E-04
6.00E+01	1.59E-04	0.00E+00	1.59E-04
7.00E+01	1.58E-04	0.00E+00	1.58E-04
8.00E+01	1.58E-04	0.00E+00	1.58E-04
9.00E+01	1.58E-04	0.00E+00	1.58E-04
1.00E+02	1.57E-04	0.00E+00	1.57E-04
2.00E+02	1.54E-04	0.00E+00	1.54E-04
3.00E+02	1.51E-04	0.00E+00	1.51E-04
4.00E+02	1.48E-04	0.00E+00	1.48E-04
5.00E+02	1.45E-04	0.00E+00	1.45E-04
6.00E+02	1.43E-04	0.00E+00	1.43E-04
7.00E+02	1.40E-04	0.00E+00	1.40E-04
8.00E+02	1.37E-04	0.00E+00	1.37E-04
9.00E+02	1.34E-04	0.00E+00	1.34E-04
1.00E+03	1.32E-04	0.00E+00	1.32E-04
2.00E+03	1.08E-04	0.00E+00	1.08E-04
3.00E+03	8.86E-05	0.00E+00	8.86E-05
4.00E+03	7.27E-05	0.00E+00	7.27E-05
5.00E+03	5.96E-05	0.00E+00	5.96E-05
7.00E+03	4.01E-05	0.00E+00	4.01E-05
8.00E+03	3.29E-05	0.00E+00	3.29E-05
9.00E+03	2.70E-05	0.00E+00	2.70E-05
1.00E+04	2.22E-05	0.00E+00	2.22E-05
2.00E+04	3.06E-06	0.00E+00	3.06E-06

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		3.52E-06		6.10E-04
2.00E-01		1.55E-05		5.90E-03
3.00E-01		3.14E-05		1.94E-02
4.00E-01		4.78E-05		4.16E-02
5.00E-01		6.28E-05		7.18E-02
6.00E-01		7.59E-05		1.08E-01
7.00E-01		8.69E-05		1.49E-01
8.00E-01		9.61E-05		1.94E-01
9.00E-01		1.04E-04		2.40E-01
1.00E+00	1.10E-04	1.10E-04	2.86E-01	2.86E-01
2.00E+00	2.21E-05	1.32E-04	3.90E-01	6.76E-01
3.00E+00	2.66E-06	1.34E-04	1.95E-01	8.71E-01
4.00E+00	5.97E-07	1.35E-04	7.98E-02	9.51E-01
5.00E+00	3.65E-07	1.35E-04	3.07E-02	9.81E-01
6.00E+00	3.22E-07	1.36E-04	1.15E-02	9.93E-01
7.00E+00	3.01E-07	1.36E-04	4.26E-03	9.97E-01
8.00E+00	2.83E-07	1.36E-04	1.57E-03	9.99E-01
9.00E+00	2.66E-07	1.37E-04	5.79E-04	9.99E-01
1.00E+01	2.50E-07	1.37E-04	2.13E-04	1.00E+00
2.00E+01	1.41E-07	1.39E-04	0.00E+00	1.00E+00
3.00E+01	8.62E-08	1.40E-04	0.00E+00	1.00E+00
4.00E+01	5.89E-08	1.40E-04	0.00E+00	1.00E+00
5.00E+01	4.51E-08	1.41E-04	0.00E+00	1.00E+00
6.00E+01	3.82E-08	1.41E-04	0.00E+00	1.00E+00
7.00E+01	3.48E-08	1.42E-04	0.00E+00	1.00E+00
8.00E+01	3.30E-08	1.42E-04	0.00E+00	1.00E+00
9.00E+01	3.21E-08	1.42E-04	0.00E+00	1.00E+00
1.00E+02	3.16E-08	1.43E-04	0.00E+00	1.00E+00
2.00E+02	3.05E-08	1.46E-04	0.00E+00	1.00E+00
3.00E+02	3.00E-08	1.49E-04	0.00E+00	1.00E+00
4.00E+02	2.94E-08	1.52E-04	0.00E+00	1.00E+00
5.00E+02	2.88E-08	1.55E-04	0.00E+00	1.00E+00
6.00E+02	2.82E-08	1.57E-04	0.00E+00	1.00E+00
7.00E+02	2.77E-08	1.60E-04	0.00E+00	1.00E+00
8.00E+02	2.71E-08	1.63E-04	0.00E+00	1.00E+00
9.00E+02	2.66E-08	1.66E-04	0.00E+00	1.00E+00
1.00E+03	2.61E-08	1.68E-04	0.00E+00	1.00E+00
2.00E+03	2.14E-08	1.92E-04	0.00E+00	1.00E+00
3.00E+03	1.75E-08	2.11E-04	0.00E+00	1.00E+00
4.00E+03	1.44E-08	2.27E-04	0.00E+00	1.00E+00
5.00E+03	1.18E-08	2.40E-04	0.00E+00	1.00E+00

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	8.66E-05	9.99E-01	9.99E-01
2.00E-01	1.67E-04	9.94E-01	9.94E-01
3.00E-01	2.08E-04	9.80E-01	9.81E-01
4.00E-01	2.24E-04	9.58E-01	9.58E-01
5.00E-01	2.27E-04	9.28E-01	9.28E-01
6.00E-01	2.25E-04	8.91E-01	8.92E-01
7.00E-01	2.21E-04	8.50E-01	8.51E-01
8.00E-01	2.16E-04	8.06E-01	8.06E-01
9.00E-01	2.11E-04	7.60E-01	7.60E-01
1.00E+00	2.07E-04	7.13E-01	7.13E-01
2.00E+00	1.89E-04	3.24E-01	3.24E-01
3.00E+00	1.87E-04	1.29E-01	1.29E-01
4.00E+00	1.87E-04	4.89E-02	4.91E-02
5.00E+00	1.87E-04	1.82E-02	1.84E-02
6.00E+00	1.87E-04	6.74E-03	6.93E-03
7.00E+00	1.87E-04	2.49E-03	2.67E-03
8.00E+00	1.87E-04	9.15E-04	1.10E-03
9.00E+00	1.86E-04	3.37E-04	5.23E-04
1.00E+01	1.86E-04	1.24E-04	3.10E-04
2.00E+01	1.86E-04	0.00E+00	1.86E-04
3.00E+01	1.85E-04	0.00E+00	1.85E-04
4.00E+01	1.85E-04	0.00E+00	1.85E-04
5.00E+01	1.84E-04	0.00E+00	1.84E-04
6.00E+01	1.84E-04	0.00E+00	1.84E-04
7.00E+01	1.83E-04	0.00E+00	1.83E-04
8.00E+01	1.83E-04	0.00E+00	1.83E-04
9.00E+01	1.83E-04	0.00E+00	1.83E-04
1.00E+02	1.82E-04	0.00E+00	1.82E-04
2.00E+02	1.79E-04	0.00E+00	1.79E-04
3.00E+02	1.75E-04	0.00E+00	1.75E-04
4.00E+02	1.72E-04	0.00E+00	1.72E-04
5.00E+02	1.68E-04	0.00E+00	1.68E-04
6.00E+02	1.65E-04	0.00E+00	1.65E-04
7.00E+02	1.62E-04	0.00E+00	1.62E-04
8.00E+02	1.59E-04	0.00E+00	1.59E-04
9.00E+02	1.56E-04	0.00E+00	1.56E-04
1.00E+03	1.53E-04	0.00E+00	1.53E-04
2.00E+03	1.25E-04	0.00E+00	1.25E-04
3.00E+03	1.03E-04	0.00E+00	1.03E-04
4.00E+03	8.42E-05	0.00E+00	8.42E-05
5.00E+03	6.91E-05	0.00E+00	6.91E-05
7.00E+03	4.65E-05	0.00E+00	4.65E-05
8.00E+03	3.82E-05	0.00E+00	3.82E-05
9.00E+03	3.13E-05	0.00E+00	3.13E-05
1.00E+04	2.57E-05	0.00E+00	2.57E-05
2.00E+04	3.55E-06	0.00E+00	3.55E-06

INGESTION

$f_1 = 3.00E-04$

STABLE

LUTETIUM 175

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		2.97E-06		6.10E-04
2.00E-01		1.30E-05		5.90E-03
3.00E-01		2.65E-05		1.94E-02
4.00E-01		4.02E-05		4.16E-02
5.00E-01		5.29E-05		7.18E-02
6.00E-01		6.39E-05		1.08E-01
7.00E-01		7.31E-05		1.49E-01
8.00E-01		8.08E-05		1.94E-01
9.00E-01		8.71E-05		2.40E-01
1.00E+00	9.22E-05	9.22E-05	2.86E-01	2.86E-01
2.00E+00	1.84E-05	1.11E-04	3.90E-01	6.76E-01
3.00E+00	2.04E-06	1.13E-04	1.95E-01	8.71E-01
4.00E+00	3.17E-07	1.13E-04	7.98E-02	9.51E-01
5.00E+00	1.34E-07	1.13E-04	3.07E-02	9.81E-01
6.00E+00	1.11E-07	1.13E-04	1.15E-02	9.93E-01
7.00E+00	1.04E-07	1.13E-04	4.26E-03	9.97E-01
8.00E+00	9.95E-08	1.13E-04	1.57E-03	9.99E-01
9.00E+00	9.53E-08	1.14E-04	5.79E-04	9.99E-01
1.00E+01	9.14E-08	1.14E-04	2.13E-04	1.00E+00
2.00E+01	6.40E-08	1.14E-04	0.00E+00	1.00E+00
3.00E+01	5.03E-08	1.15E-04	0.00E+00	1.00E+00
4.00E+01	4.34E-08	1.15E-04	0.00E+00	1.00E+00
5.00E+01	3.99E-08	1.16E-04	0.00E+00	1.00E+00
6.00E+01	3.81E-08	1.16E-04	0.00E+00	1.00E+00
7.00E+01	3.72E-08	1.17E-04	0.00E+00	1.00E+00
8.00E+01	3.67E-08	1.17E-04	0.00E+00	1.00E+00
9.00E+01	3.64E-08	1.17E-04	0.00E+00	1.00E+00
1.00E+02	3.62E-08	1.18E-04	0.00E+00	1.00E+00
2.00E+02	3.54E-08	1.21E-04	0.00E+00	1.00E+00
3.00E+02	3.47E-08	1.25E-04	0.00E+00	1.00E+00
4.00E+02	3.40E-08	1.28E-04	0.00E+00	1.00E+00
5.00E+02	3.34E-08	1.32E-04	0.00E+00	1.00E+00
6.00E+02	3.27E-08	1.35E-04	0.00E+00	1.00E+00
7.00E+02	3.21E-08	1.38E-04	0.00E+00	1.00E+00
8.00E+02	3.14E-08	1.41E-04	0.00E+00	1.00E+00
9.00E+02	3.08E-08	1.44E-04	0.00E+00	1.00E+00
1.00E+03	3.02E-08	1.47E-04	0.00E+00	1.00E+00
2.00E+03	2.48E-08	1.75E-04	0.00E+00	1.00E+00
3.00E+03	2.03E-08	1.97E-04	0.00E+00	1.00E+00
4.00E+03	1.67E-08	2.16E-04	0.00E+00	1.00E+00
5.00E+03	1.37E-08	2.31E-04	0.00E+00	1.00E+00
6.00E+03	1.12E-08	2.43E-04	0.00E+00	1.00E+00

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	5.97E-04	9.99E-01	9.99E-01
2.00E-01	1.20E-03	9.93E-01	9.94E-01
3.00E-01	1.55E-03	9.79E-01	9.81E-01
4.00E-01	1.74E-03	9.57E-01	9.58E-01
5.00E-01	1.84E-03	9.26E-01	9.28E-01
6.00E-01	1.89E-03	8.90E-01	8.92E-01
7.00E-01	1.91E-03	8.49E-01	8.51E-01
8.00E-01	1.92E-03	8.05E-01	8.06E-01
9.00E-01	1.92E-03	7.59E-01	7.60E-01
1.00E+00	1.92E-03	7.12E-01	7.14E-01
2.00E+00	1.84E-03	3.23E-01	3.25E-01
3.00E+00	1.76E-03	1.28E-01	1.30E-01
4.00E+00	1.69E-03	4.88E-02	5.05E-02
5.00E+00	1.62E-03	1.82E-02	1.98E-02
6.00E+00	1.56E-03	6.73E-03	8.29E-03
7.00E+00	1.51E-03	2.48E-03	3.99E-03
8.00E+00	1.46E-03	9.14E-04	2.38E-03
9.00E+00	1.42E-03	3.36E-04	1.75E-03
1.00E+01	1.38E-03	1.24E-04	1.50E-03
2.00E+01	1.14E-03	0.00E+00	1.14E-03
3.00E+01	1.05E-03	0.00E+00	1.05E-03
4.00E+01	1.02E-03	0.00E+00	1.02E-03
5.00E+01	1.00E-03	0.00E+00	1.00E-03
6.00E+01	9.98E-04	0.00E+00	9.98E-04
7.00E+01	9.95E-04	0.00E+00	9.95E-04
8.00E+01	9.93E-04	0.00E+00	9.93E-04
9.00E+01	9.92E-04	0.00E+00	9.92E-04
1.00E+02	9.91E-04	0.00E+00	9.91E-04
2.00E+02	9.83E-04	0.00E+00	9.83E-04
3.00E+02	9.74E-04	0.00E+00	9.74E-04
4.00E+02	9.66E-04	0.00E+00	9.66E-04
5.00E+02	9.58E-04	0.00E+00	9.58E-04
6.00E+02	9.49E-04	0.00E+00	9.49E-04
7.00E+02	9.41E-04	0.00E+00	9.41E-04
8.00E+02	9.33E-04	0.00E+00	9.33E-04
9.00E+02	9.25E-04	0.00E+00	9.25E-04
1.00E+03	9.17E-04	0.00E+00	9.17E-04
2.00E+03	8.41E-04	0.00E+00	8.41E-04
3.00E+03	7.71E-04	0.00E+00	7.71E-04
4.00E+03	7.07E-04	0.00E+00	7.07E-04
5.00E+03	6.48E-04	0.00E+00	6.48E-04
7.00E+03	5.45E-04	0.00E+00	5.45E-04
8.00E+03	5.00E-04	0.00E+00	5.00E-04
9.00E+03	4.59E-04	0.00E+00	4.59E-04
1.00E+04	4.21E-04	0.00E+00	4.21E-04
2.00E+04	1.77E-04	0.00E+00	1.77E-04

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		1.22E-06		6.09E-04
2.00E-01		5.77E-06		5.90E-03
3.00E-01		1.26E-05		1.93E-02
4.00E-01		2.07E-05		4.16E-02
5.00E-01		2.95E-05		7.17E-02
6.00E-01		3.86E-05		1.08E-01
7.00E-01		4.78E-05		1.49E-01
8.00E-01		5.70E-05		1.93E-01
9.00E-01		6.62E-05		2.39E-01
1.00E+00	7.54E-05	7.54E-05	2.86E-01	2.86E-01
2.00E+00	8.72E-05	1.63E-04	3.89E-01	6.75E-01
3.00E+00	7.90E-05	2.42E-04	1.94E-01	8.70E-01
4.00E+00	7.16E-05	3.13E-04	7.97E-02	9.49E-01
5.00E+00	6.49E-05	3.78E-04	3.06E-02	9.80E-01
6.00E+00	5.87E-05	4.37E-04	1.15E-02	9.91E-01
7.00E+00	5.32E-05	4.90E-04	4.25E-03	9.96E-01
8.00E+00	4.82E-05	5.38E-04	1.57E-03	9.97E-01
9.00E+00	4.37E-05	5.82E-04	5.77E-04	9.98E-01
1.00E+01	3.96E-05	6.21E-04	2.13E-04	9.98E-01
2.00E+01	1.48E-05	8.61E-04	0.00E+00	9.98E-01
3.00E+01	5.54E-06	9.50E-04	0.00E+00	9.98E-01
4.00E+01	2.11E-06	9.84E-04	0.00E+00	9.98E-01
5.00E+01	8.39E-07	9.97E-04	0.00E+00	9.98E-01
7.00E+01	1.90E-07	1.01E-03	0.00E+00	9.98E-01
8.00E+01	1.25E-07	1.01E-03	0.00E+00	9.98E-01
9.00E+01	1.00E-07	1.01E-03	0.00E+00	9.98E-01
1.00E+02	9.12E-08	1.01E-03	0.00E+00	9.98E-01
2.00E+02	8.51E-08	1.02E-03	0.00E+00	9.98E-01
3.00E+02	8.44E-08	1.03E-03	0.00E+00	9.98E-01
4.00E+02	8.37E-08	1.03E-03	0.00E+00	9.98E-01
5.00E+02	8.30E-08	1.04E-03	0.00E+00	9.98E-01
7.00E+02	8.15E-08	1.06E-03	0.00E+00	9.98E-01
8.00E+02	8.08E-08	1.07E-03	0.00E+00	9.98E-01
9.00E+02	8.01E-08	1.07E-03	0.00E+00	9.98E-01
1.00E+03	7.94E-08	1.08E-03	0.00E+00	9.98E-01
2.00E+03	7.28E-08	1.16E-03	0.00E+00	9.98E-01
3.00E+03	6.68E-08	1.23E-03	0.00E+00	9.98E-01
4.00E+03	6.13E-08	1.29E-03	0.00E+00	9.98E-01
5.00E+03	5.62E-08	1.35E-03	0.00E+00	9.98E-01
7.00E+03	4.72E-08	1.45E-03	0.00E+00	9.98E-01
8.00E+03	4.33E-08	1.50E-03	0.00E+00	9.98E-01
9.00E+03	3.97E-08	1.54E-03	0.00E+00	9.98E-01
1.00E+04	3.64E-08	1.58E-03	0.00E+00	9.98E-01
2.00E+04	1.53E-08	1.82E-03	0.00E+00	9.98E-01

INGESTION

$f_1 = 2.00E-03$

HALFLIFE= 4.24E+01 DAYS

HAFNIUM 181

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	5.96E-04	9.97E-01	9.98E-01
2.00E-01	1.19E-03	9.90E-01	9.91E-01
3.00E-01	1.54E-03	9.74E-01	9.76E-01
4.00E-01	1.73E-03	9.50E-01	9.52E-01
5.00E-01	1.82E-03	9.19E-01	9.21E-01
6.00E-01	1.87E-03	8.81E-01	8.83E-01
7.00E-01	1.89E-03	8.39E-01	8.41E-01
8.00E-01	1.90E-03	7.94E-01	7.96E-01
9.00E-01	1.89E-03	7.47E-01	7.49E-01
1.00E+00	1.89E-03	7.00E-01	7.02E-01
2.00E+00	1.78E-03	3.13E-01	3.14E-01
3.00E+00	1.67E-03	1.22E-01	1.24E-01
4.00E+00	1.58E-03	4.57E-02	4.73E-02
5.00E+00	1.49E-03	1.68E-02	1.83E-02
6.00E+00	1.42E-03	6.10E-03	7.52E-03
7.00E+00	1.35E-03	2.21E-03	3.56E-03
8.00E+00	1.28E-03	8.02E-04	2.08E-03
9.00E+00	1.22E-03	2.90E-04	1.51E-03
1.00E+01	1.17E-03	1.05E-04	1.28E-03
2.00E+01	8.22E-04	0.00E+00	8.22E-04
3.00E+01	6.43E-04	0.00E+00	6.43E-04
4.00E+01	5.28E-04	0.00E+00	5.28E-04
5.00E+01	4.43E-04	0.00E+00	4.43E-04
6.00E+01	3.74E-04	0.00E+00	3.74E-04
7.00E+01	3.17E-04	0.00E+00	3.17E-04
8.00E+01	2.69E-04	0.00E+00	2.69E-04
9.00E+01	2.28E-04	0.00E+00	2.28E-04
1.00E+02	1.93E-04	0.00E+00	1.93E-04
2.00E+02	3.74E-05	0.00E+00	3.74E-05
3.00E+02	7.22E-06	0.00E+00	7.22E-06
4.00E+02	1.40E-06	0.00E+00	1.40E-06
5.00E+02	2.70E-07	0.00E+00	2.70E-07
6.00E+02	5.22E-08	0.00E+00	5.22E-08
7.00E+02	1.01E-08	0.00E+00	1.01E-08

INGESTION

$f_1 = 2.00E-03$

HALFLIFE= 4.24E+01 DAYS

HAFNIUM 181

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		1.22E-06		6.08E-04
2.00E-01		5.75E-06		5.88E-03
3.00E-01		1.25E-05		1.92E-02
4.00E-01		2.06E-05		4.13E-02
5.00E-01		2.92E-05		7.11E-02
6.00E-01		3.82E-05		1.07E-01
7.00E-01		4.72E-05		1.48E-01
8.00E-01		5.63E-05		1.91E-01
9.00E-01		6.53E-05		2.36E-01
1.00E+00	7.42E-05	7.42E-05	2.81E-01	2.81E-01
2.00E+00	8.44E-05	1.57E-04	3.76E-01	6.53E-01
3.00E+00	7.53E-05	2.30E-04	1.85E-01	8.28E-01
4.00E+00	6.71E-05	2.93E-04	7.46E-02	8.89E-01
5.00E+00	5.98E-05	3.48E-04	2.82E-02	9.03E-01
6.00E+00	5.33E-05	3.96E-04	1.04E-02	8.99E-01
7.00E+00	4.75E-05	4.37E-04	3.79E-03	8.88E-01
8.00E+00	4.23E-05	4.72E-04	1.38E-03	8.75E-01
9.00E+00	3.77E-05	5.02E-04	4.98E-04	8.61E-01
1.00E+01	3.36E-05	5.28E-04	1.80E-04	8.47E-01
2.00E+01	1.06E-05	6.21E-04	0.00E+00	7.20E-01
3.00E+01	3.39E-06	5.82E-04	0.00E+00	6.11E-01
4.00E+01	1.10E-06	5.12E-04	0.00E+00	5.19E-01
5.00E+01	3.70E-07	4.40E-04	0.00E+00	4.41E-01
6.00E+01	1.37E-07	3.76E-04	0.00E+00	3.74E-01
7.00E+01	6.05E-08	3.20E-04	0.00E+00	3.18E-01
8.00E+01	3.37E-08	2.72E-04	0.00E+00	2.70E-01
9.00E+01	2.30E-08	2.31E-04	0.00E+00	2.29E-01
1.00E+02	1.78E-08	1.97E-04	0.00E+00	1.95E-01

INGESTION

 $f_1 = 1.00E-03$

STABLE

TANTALUM 181

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	2.98E-04	9.99E-01	9.99E-01
2.00E-01	5.98E-04	9.93E-01	9.94E-01
3.00E-01	7.72E-04	9.80E-01	9.81E-01
4.00E-01	8.66E-04	9.58E-01	9.58E-01
5.00E-01	9.15E-04	9.27E-01	9.28E-01
6.00E-01	9.39E-04	8.91E-01	8.92E-01
7.00E-01	9.49E-04	8.50E-01	8.51E-01
8.00E-01	9.52E-04	8.05E-01	8.06E-01
9.00E-01	9.51E-04	7.59E-01	7.60E-01
1.00E+00	9.48E-04	7.13E-01	7.14E-01
2.00E+00	8.99E-04	3.23E-01	3.24E-01
3.00E+00	8.53E-04	1.29E-01	1.29E-01
4.00E+00	8.15E-04	4.88E-02	4.96E-02
5.00E+00	7.81E-04	1.82E-02	1.90E-02
6.00E+00	7.53E-04	6.74E-03	7.49E-03
7.00E+00	7.28E-04	2.48E-03	3.21E-03
8.00E+00	7.07E-04	9.15E-04	1.62E-03
9.00E+00	6.88E-04	3.37E-04	1.02E-03
1.00E+01	6.72E-04	1.24E-04	7.95E-04
2.00E+01	5.78E-04	0.00E+00	5.78E-04
3.00E+01	5.31E-04	0.00E+00	5.31E-04
4.00E+01	4.94E-04	0.00E+00	4.94E-04
5.00E+01	4.60E-04	0.00E+00	4.60E-04
6.00E+01	4.30E-04	0.00E+00	4.30E-04
7.00E+01	4.01E-04	0.00E+00	4.01E-04
8.00E+01	3.74E-04	0.00E+00	3.74E-04
9.00E+01	3.49E-04	0.00E+00	3.49E-04
1.00E+02	3.26E-04	0.00E+00	3.26E-04
2.00E+02	1.63E-04	0.00E+00	1.63E-04
3.00E+02	8.14E-05	0.00E+00	8.14E-05
4.00E+02	4.07E-05	0.00E+00	4.07E-05
5.00E+02	2.04E-05	0.00E+00	2.04E-05
6.00E+02	1.02E-05	0.00E+00	1.02E-05
7.00E+02	5.09E-06	0.00E+00	5.09E-06
8.00E+02	2.55E-06	0.00E+00	2.55E-06
9.00E+02	1.27E-06	0.00E+00	1.27E-06
1.00E+03	6.37E-07	0.00E+00	6.37E-07

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		8.02E-07		6.10E-04
2.00E-01		3.77E-06		5.90E-03
3.00E-01		8.23E-06		1.93E-02
4.00E-01		1.35E-05		4.16E-02
5.00E-01		1.92E-05		7.17E-02
6.00E-01		2.50E-05		1.08E-01
7.00E-01		3.09E-05		1.49E-01
8.00E-01		3.67E-05		1.94E-01
9.00E-01		4.26E-05		2.40E-01
1.00E+00	4.83E-05	4.83E-05	2.86E-01	2.86E-01
2.00E+00	5.30E-05	1.01E-04	3.89E-01	6.76E-01
3.00E+00	4.53E-05	1.47E-04	1.95E-01	8.70E-01
4.00E+00	3.87E-05	1.85E-04	7.98E-02	9.50E-01
5.00E+00	3.32E-05	2.19E-04	3.06E-02	9.81E-01
6.00E+00	2.86E-05	2.47E-04	1.15E-02	9.92E-01
7.00E+00	2.47E-05	2.72E-04	4.25E-03	9.97E-01
8.00E+00	2.15E-05	2.93E-04	1.57E-03	9.98E-01
9.00E+00	1.87E-05	3.12E-04	5.78E-04	9.99E-01
1.00E+01	1.64E-05	3.28E-04	2.13E-04	9.99E-01
2.00E+01	6.09E-06	4.22E-04	0.00E+00	9.99E-01
3.00E+01	4.06E-06	4.69E-04	0.00E+00	9.99E-01
4.00E+01	3.50E-06	5.06E-04	0.00E+00	9.99E-01
5.00E+01	3.21E-06	5.40E-04	0.00E+00	9.99E-01
6.00E+01	2.99E-06	5.70E-04	0.00E+00	9.99E-01
7.00E+01	2.79E-06	5.99E-04	0.00E+00	9.99E-01
8.00E+01	2.60E-06	6.26E-04	0.00E+00	9.99E-01
9.00E+01	2.43E-06	6.51E-04	0.00E+00	9.99E-01
1.00E+02	2.26E-06	6.74E-04	0.00E+00	9.99E-01
2.00E+02	1.13E-06	8.37E-04	0.00E+00	9.99E-01
3.00E+02	5.66E-07	9.19E-04	0.00E+00	9.99E-01
4.00E+02	2.83E-07	9.59E-04	0.00E+00	9.99E-01
5.00E+02	1.42E-07	9.80E-04	0.00E+00	9.99E-01
6.00E+02	7.08E-08	9.90E-04	0.00E+00	9.99E-01
7.00E+02	3.54E-08	9.95E-04	0.00E+00	9.99E-01
8.00E+02	1.77E-08	9.97E-04	0.00E+00	9.99E-01

INGESTION

$f_1 = 1.00E-03$

HALFLIFE = 1.15E+02 DAYS

TANTALUM 182

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	2.98E-04	9.98E-01	9.99E-01
2.00E-01	5.97E-04	9.92E-01	9.93E-01
3.00E-01	7.71E-04	9.78E-01	9.79E-01
4.00E-01	8.64E-04	9.55E-01	9.56E-01
5.00E-01	9.12E-04	9.25E-01	9.25E-01
6.00E-01	9.35E-04	8.88E-01	8.89E-01
7.00E-01	9.45E-04	8.46E-01	8.47E-01
8.00E-01	9.48E-04	8.02E-01	8.02E-01
9.00E-01	9.46E-04	7.55E-01	7.56E-01
1.00E+00	9.43E-04	7.08E-01	7.09E-01
2.00E+00	8.88E-04	3.19E-01	3.20E-01
3.00E+00	8.38E-04	1.26E-01	1.27E-01
4.00E+00	7.95E-04	4.77E-02	4.85E-02
5.00E+00	7.58E-04	1.77E-02	1.84E-02
6.00E+00	7.26E-04	6.50E-03	7.22E-03
7.00E+00	6.98E-04	2.38E-03	3.08E-03
8.00E+00	6.73E-04	8.72E-04	1.54E-03
9.00E+00	6.52E-04	3.19E-04	9.70E-04
1.00E+01	6.32E-04	1.17E-04	7.49E-04
2.00E+01	5.12E-04	0.00E+00	5.12E-04
3.00E+01	4.43E-04	0.00E+00	4.43E-04
4.00E+01	3.88E-04	0.00E+00	3.88E-04
5.00E+01	3.41E-04	0.00E+00	3.41E-04
6.00E+01	2.99E-04	0.00E+00	2.99E-04
7.00E+01	2.63E-04	0.00E+00	2.63E-04
8.00E+01	2.31E-04	0.00E+00	2.31E-04
9.00E+01	2.03E-04	0.00E+00	2.03E-04
1.00E+02	1.78E-04	0.00E+00	1.78E-04
2.00E+02	4.88E-05	0.00E+00	4.88E-05
3.00E+02	1.33E-05	0.00E+00	1.33E-05
4.00E+02	3.65E-06	0.00E+00	3.65E-06
5.00E+02	1.00E-06	0.00E+00	1.00E-06
6.00E+02	2.74E-07	0.00E+00	2.74E-07
7.00E+02	7.49E-08	0.00E+00	7.49E-08
8.00E+02	2.05E-08	0.00E+00	2.05E-08

INGESTION

$f_1 = 1.00E-03$

HALFLIFE= 1.15E+02 DAYS

TANTALUM 182

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		8.02E-07		6.09E-04
2.00E-01		3.77E-06		5.90E-03
3.00E-01		8.22E-06		1.93E-02
4.00E-01		1.35E-05		4.15E-02
5.00E-01		1.91E-05		7.15E-02
6.00E-01		2.49E-05		1.08E-01
7.00E-01		3.07E-05		1.49E-01
8.00E-01		3.66E-05		1.93E-01
9.00E-01		4.23E-05		2.38E-01
1.00E+00	4.80E-05	4.80E-05	2.85E-01	2.85E-01
2.00E+00	5.24E-05	1.00E-04	3.85E-01	6.68E-01
3.00E+00	4.45E-05	1.44E-04	1.91E-01	8.55E-01
4.00E+00	3.78E-05	1.81E-04	7.79E-02	9.28E-01
5.00E+00	3.23E-05	2.12E-04	2.97E-02	9.52E-01
6.00E+00	2.76E-05	2.38E-04	1.11E-02	9.57E-01
7.00E+00	2.37E-05	2.61E-04	4.08E-03	9.55E-01
8.00E+00	2.04E-05	2.80E-04	1.50E-03	9.51E-01
9.00E+00	1.77E-05	2.96E-04	5.48E-04	9.46E-01
1.00E+01	1.54E-05	3.09E-04	2.00E-04	9.40E-01
2.00E+01	5.40E-06	3.74E-04	0.00E+00	8.86E-01
3.00E+01	3.39E-06	3.92E-04	0.00E+00	8.34E-01
4.00E+01	2.75E-06	3.98E-04	0.00E+00	7.85E-01
5.00E+01	2.38E-06	3.99E-04	0.00E+00	7.39E-01
6.00E+01	2.08E-06	3.97E-04	0.00E+00	6.96E-01
7.00E+01	1.83E-06	3.93E-04	0.00E+00	6.55E-01
8.00E+01	1.61E-06	3.87E-04	0.00E+00	6.17E-01
9.00E+01	1.41E-06	3.79E-04	0.00E+00	5.81E-01
1.00E+02	1.24E-06	3.69E-04	0.00E+00	5.47E-01
2.00E+02	3.39E-07	2.51E-04	0.00E+00	2.99E-01
3.00E+02	9.28E-08	1.51E-04	0.00E+00	1.64E-01
4.00E+02	2.54E-08	8.61E-05	0.00E+00	8.96E-02

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	1.05E-01	8.82E-01	9.87E-01
2.00E-01	1.68E-01	7.77E-01	9.45E-01
3.00E-01	1.71E-01	7.19E-01	8.89E-01
4.00E-01	1.50E-01	6.80E-01	8.30E-01
5.00E-01	1.25E-01	6.47E-01	7.72E-01
6.00E-01	1.01E-01	6.16E-01	7.17E-01
7.00E-01	8.13E-02	5.83E-01	6.65E-01
8.00E-01	6.56E-02	5.50E-01	6.16E-01
9.00E-01	5.34E-02	5.17E-01	5.70E-01
1.00E+00	4.39E-02	4.84E-01	5.27E-01
2.00E+00	1.53E-02	2.16E-01	2.31E-01
3.00E+00	1.29E-02	8.53E-02	9.82E-02
4.00E+00	1.21E-02	3.23E-02	4.45E-02
5.00E+00	1.16E-02	1.20E-02	2.36E-02
6.00E+00	1.11E-02	4.45E-03	1.56E-02
7.00E+00	1.07E-02	1.64E-03	1.23E-02
8.00E+00	1.03E-02	6.05E-04	1.09E-02
9.00E+00	1.00E-02	2.23E-04	1.02E-02
1.00E+01	9.74E-03	8.19E-05	9.82E-03
2.00E+01	8.22E-03	0.00E+00	8.22E-03
3.00E+01	7.69E-03	0.00E+00	7.69E-03
4.00E+01	7.41E-03	0.00E+00	7.41E-03
5.00E+01	7.20E-03	0.00E+00	7.20E-03
6.00E+01	7.02E-03	0.00E+00	7.02E-03
7.00E+01	6.85E-03	0.00E+00	6.85E-03
8.00E+01	6.69E-03	0.00E+00	6.69E-03
9.00E+01	6.54E-03	0.00E+00	6.54E-03
1.00E+02	6.40E-03	0.00E+00	6.40E-03
2.00E+02	5.32E-03	0.00E+00	5.32E-03
3.00E+02	4.64E-03	0.00E+00	4.64E-03
4.00E+02	4.17E-03	0.00E+00	4.17E-03
5.00E+02	3.81E-03	0.00E+00	3.81E-03
6.00E+02	3.51E-03	0.00E+00	3.51E-03
7.00E+02	3.26E-03	0.00E+00	3.26E-03
8.00E+02	3.03E-03	0.00E+00	3.03E-03
9.00E+02	2.82E-03	0.00E+00	2.82E-03
1.00E+03	2.63E-03	0.00E+00	2.63E-03
2.00E+03	1.31E-03	0.00E+00	1.31E-03
3.00E+03	6.57E-04	0.00E+00	6.57E-04
4.00E+03	3.28E-04	0.00E+00	3.28E-04
5.00E+03	1.64E-04	0.00E+00	1.64E-04
6.00E+03	8.21E-05	0.00E+00	8.21E-05
7.00E+03	4.11E-05	0.00E+00	4.11E-05
8.00E+03	2.05E-05	0.00E+00	2.05E-05
9.00E+03	1.03E-05	0.00E+00	1.03E-05
1.00E+04	5.14E-06	0.00E+00	5.14E-06

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		1.21E-02		5.80E-04
2.00E-01		4.95E-02		5.36E-03
3.00E-01		9.39E-02		1.69E-02
4.00E-01		1.35E-01		3.52E-02
5.00E-01		1.69E-01		5.90E-02
6.00E-01		1.96E-01		8.69E-02
7.00E-01		2.18E-01		1.18E-01
8.00E-01		2.34E-01		1.50E-01
9.00E-01		2.46E-01		1.83E-01
1.00E+00	2.56E-01	2.56E-01	2.17E-01	2.17E-01
2.00E+00	2.87E-02	2.85E-01	2.68E-01	4.84E-01
3.00E+00	2.45E-03	2.87E-01	1.30E-01	6.15E-01
4.00E+00	7.23E-04	2.88E-01	5.30E-02	6.68E-01
5.00E+00	5.44E-04	2.88E-01	2.03E-02	6.88E-01
6.00E+00	4.71E-04	2.89E-01	7.59E-03	6.96E-01
7.00E+00	4.12E-04	2.89E-01	2.81E-03	6.98E-01
8.00E+00	3.62E-04	2.90E-01	1.04E-03	6.99E-01
9.00E+00	3.18E-04	2.90E-01	3.82E-04	7.00E-01
1.00E+01	2.80E-04	2.90E-01	1.41E-04	7.00E-01
2.00E+01	8.59E-05	2.92E-01	0.00E+00	7.00E-01
3.00E+01	3.66E-05	2.92E-01	0.00E+00	7.00E-01
4.00E+01	2.34E-05	2.93E-01	0.00E+00	7.00E-01
5.00E+01	1.93E-05	2.93E-01	0.00E+00	7.00E-01
6.00E+01	1.75E-05	2.93E-01	0.00E+00	7.00E-01
7.00E+01	1.64E-05	2.93E-01	0.00E+00	7.00E-01
8.00E+01	1.55E-05	2.93E-01	0.00E+00	7.00E-01
9.00E+01	1.46E-05	2.93E-01	0.00E+00	7.00E-01
1.00E+02	1.38E-05	2.94E-01	0.00E+00	7.00E-01
2.00E+02	8.39E-06	2.95E-01	0.00E+00	7.00E-01
3.00E+02	5.57E-06	2.95E-01	0.00E+00	7.00E-01
4.00E+02	4.06E-06	2.96E-01	0.00E+00	7.00E-01
5.00E+02	3.23E-06	2.96E-01	0.00E+00	7.00E-01
6.00E+02	2.73E-06	2.96E-01	0.00E+00	7.00E-01
7.00E+02	2.40E-06	2.97E-01	0.00E+00	7.00E-01
8.00E+02	2.17E-06	2.97E-01	0.00E+00	7.00E-01
9.00E+02	1.99E-06	2.97E-01	0.00E+00	7.00E-01
1.00E+03	1.84E-06	2.97E-01	0.00E+00	7.00E-01
2.00E+03	9.10E-07	2.99E-01	0.00E+00	7.00E-01
3.00E+03	4.55E-07	2.99E-01	0.00E+00	7.00E-01
4.00E+03	2.28E-07	3.00E-01	0.00E+00	7.00E-01
5.00E+03	1.14E-07	3.00E-01	0.00E+00	7.00E-01
6.00E+03	5.69E-08	3.00E-01	0.00E+00	7.00E-01
7.00E+03	2.85E-08	3.00E-01	0.00E+00	7.00E-01
8.00E+03	1.42E-08	3.00E-01	0.00E+00	7.00E-01

INGESTION

$f_1 = 8.00E-01$

HALFLIFE= 3.78E+00 DAYS

RHENIUM 186

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	5.74E-01	3.96E-01	9.70E-01
2.00E-01	7.09E-01	2.14E-01	9.23E-01
3.00E-01	6.90E-01	1.84E-01	8.74E-01
4.00E-01	6.54E-01	1.72E-01	8.26E-01
5.00E-01	6.18E-01	1.62E-01	7.79E-01
6.00E-01	5.84E-01	1.51E-01	7.34E-01
7.00E-01	5.52E-01	1.40E-01	6.92E-01
8.00E-01	5.22E-01	1.29E-01	6.51E-01
9.00E-01	4.94E-01	1.18E-01	6.12E-01
1.00E+00	4.67E-01	1.08E-01	5.76E-01
2.00E+00	2.74E-01	3.95E-02	3.14E-01
3.00E+00	1.65E-01	1.29E-02	1.78E-01
4.00E+00	1.02E-01	4.06E-03	1.06E-01
5.00E+00	6.49E-02	1.26E-03	6.61E-02
6.00E+00	4.22E-02	3.87E-04	4.26E-02
7.00E+00	2.81E-02	1.19E-04	2.83E-02
8.00E+00	1.92E-02	3.64E-05	1.93E-02
9.00E+00	1.34E-02	1.12E-05	1.34E-02
1.00E+01	9.57E-03	3.42E-06	9.57E-03
2.00E+01	6.20E-04	0.00E+00	6.20E-04
3.00E+01	6.34E-05	0.00E+00	6.34E-05
4.00E+01	7.18E-06	0.00E+00	7.18E-06
5.00E+01	8.32E-07	0.00E+00	8.32E-07
6.00E+01	9.69E-08	0.00E+00	9.69E-08
7.00E+01	1.13E-08	0.00E+00	1.13E-08

INGESTION

$f_1 = 8.00E-01$

HALFLIFE= 3.78E+00 DAYS

RHENIUM 186

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		1.16E-02		3.97E-04
2.00E-01		3.80E-02		2.83E-03
3.00E-01		6.48E-02		7.44E-03
4.00E-01		8.97E-02		1.36E-02
5.00E-01		1.12E-01		2.07E-02
6.00E-01		1.33E-01		2.83E-02
7.00E-01		1.52E-01		3.61E-02
8.00E-01		1.69E-01		4.37E-02
9.00E-01		1.85E-01		5.11E-02
1.00E+00	1.99E-01	1.99E-01	5.81E-02	5.81E-02
2.00E+00	1.15E-01	2.80E-01	5.08E-02	9.91E-02
3.00E+00	6.29E-02	2.96E-01	1.99E-02	1.02E-01
4.00E+00	3.54E-02	2.82E-01	6.69E-03	9.20E-02
5.00E+00	2.03E-02	2.55E-01	2.12E-03	7.87E-02
6.00E+00	1.18E-02	2.24E-01	6.60E-04	6.62E-02
7.00E+00	6.98E-03	1.93E-01	2.03E-04	5.53E-02
8.00E+00	4.20E-03	1.65E-01	6.25E-05	4.61E-02
9.00E+00	2.58E-03	1.40E-01	1.92E-05	3.84E-02
1.00E+01	1.61E-03	1.18E-01	5.87E-06	3.20E-02
2.00E+01	3.75E-05	1.98E-02	0.00E+00	5.11E-03
3.00E+01	2.43E-06	3.20E-03	0.00E+00	8.16E-04
4.00E+01	2.40E-07	5.15E-04	0.00E+00	1.30E-04
5.00E+01	2.69E-08	8.26E-05	0.00E+00	2.09E-05

INGESTION

$f_1 = 8.00E-01$

HALFLIFE= 1.83E+13 DAYS

RHENIUM 187

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	5.85E-01	4.03E-01	9.88E-01
2.00E-01	7.36E-01	2.22E-01	9.58E-01
3.00E-01	7.29E-01	1.95E-01	9.24E-01
4.00E-01	7.03E-01	1.86E-01	8.89E-01
5.00E-01	6.77E-01	1.77E-01	8.54E-01
6.00E-01	6.51E-01	1.68E-01	8.20E-01
7.00E-01	6.27E-01	1.59E-01	7.86E-01
8.00E-01	6.04E-01	1.49E-01	7.54E-01
9.00E-01	5.82E-01	1.40E-01	7.22E-01
1.00E+00	5.61E-01	1.30E-01	6.92E-01
2.00E+00	3.96E-01	5.70E-02	4.53E-01
3.00E+00	2.87E-01	2.24E-02	3.09E-01
4.00E+00	2.13E-01	8.46E-03	2.21E-01
5.00E+00	1.62E-01	3.15E-03	1.65E-01
6.00E+00	1.27E-01	1.16E-03	1.28E-01
7.00E+00	1.02E-01	4.29E-04	1.02E-01
8.00E+00	8.33E-02	1.58E-04	8.35E-02
9.00E+00	6.99E-02	5.81E-05	7.00E-02
1.00E+01	5.99E-02	2.14E-05	5.99E-02
2.00E+01	2.43E-02	0.00E+00	2.43E-02
3.00E+01	1.55E-02	0.00E+00	1.55E-02
4.00E+01	1.10E-02	0.00E+00	1.10E-02
5.00E+01	7.98E-03	0.00E+00	7.98E-03
6.00E+01	5.82E-03	0.00E+00	5.82E-03
7.00E+01	4.24E-03	0.00E+00	4.24E-03
8.00E+01	3.10E-03	0.00E+00	3.10E-03
9.00E+01	2.26E-03	0.00E+00	2.26E-03
1.00E+02	1.65E-03	0.00E+00	1.65E-03
2.00E+02	7.07E-05	0.00E+00	7.07E-05
3.00E+02	3.03E-06	0.00E+00	3.03E-06
4.00E+02	1.30E-07	0.00E+00	1.30E-07

INGESTION

$f_1 = 8.00E-01$

HALFLIFE= 1.83E+13 DAYS

RHENIUM 187

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		1.19E-02		4.05E-04
2.00E-01		3.94E-02		2.93E-03
3.00E-01		6.85E-02		7.86E-03
4.00E-01		9.65E-02		1.46E-02
5.00E-01		1.23E-01		2.27E-02
6.00E-01		1.49E-01		3.16E-02
7.00E-01		1.73E-01		4.10E-02
8.00E-01		1.96E-01		5.07E-02
9.00E-01		2.18E-01		6.03E-02
1.00E+00	2.39E-01	2.39E-01	6.98E-02	6.98E-02
2.00E+00	1.66E-01	4.04E-01	7.33E-02	1.43E-01
3.00E+00	1.09E-01	5.13E-01	3.46E-02	1.78E-01
4.00E+00	7.37E-02	5.87E-01	1.39E-02	1.92E-01
5.00E+00	5.07E-02	6.38E-01	5.31E-03	1.97E-01
6.00E+00	3.55E-02	6.73E-01	1.98E-03	1.99E-01
7.00E+00	2.52E-02	6.98E-01	7.35E-04	2.00E-01
8.00E+00	1.82E-02	7.17E-01	2.71E-04	2.00E-01
9.00E+00	1.34E-02	7.30E-01	9.98E-05	2.00E-01
1.00E+01	1.01E-02	7.40E-01	3.67E-05	2.00E-01
2.00E+01	1.47E-03	7.76E-01	0.00E+00	2.00E-01
3.00E+01	5.96E-04	7.84E-01	0.00E+00	2.00E-01
4.00E+01	3.67E-04	7.89E-01	0.00E+00	2.00E-01
5.00E+01	2.58E-04	7.92E-01	0.00E+00	2.00E-01
6.00E+01	1.87E-04	7.94E-01	0.00E+00	2.00E-01
7.00E+01	1.36E-04	7.96E-01	0.00E+00	2.00E-01
8.00E+01	9.91E-05	7.97E-01	0.00E+00	2.00E-01
9.00E+01	7.23E-05	7.98E-01	0.00E+00	2.00E-01
1.00E+02	5.28E-05	7.98E-01	0.00E+00	2.00E-01
2.00E+02	2.26E-06	8.00E-01	0.00E+00	2.00E-01
3.00E+02	9.69E-08	8.00E-01	0.00E+00	2.00E-01

INGESTION

$f_1 = 1.00E-02$

HALFLIFE= 7.40E+01 DAYS

IRIDIUM 192

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	2.94E-03	9.95E-01	9.98E-01
2.00E-01	5.75E-03	9.86E-01	9.92E-01
3.00E-01	7.24E-03	9.70E-01	9.77E-01
4.00E-01	7.93E-03	9.46E-01	9.54E-01
5.00E-01	8.20E-03	9.15E-01	9.23E-01
6.00E-01	8.27E-03	8.78E-01	8.86E-01
7.00E-01	8.24E-03	8.36E-01	8.44E-01
8.00E-01	8.18E-03	7.92E-01	8.00E-01
9.00E-01	8.10E-03	7.46E-01	7.54E-01
1.00E+00	8.03E-03	6.99E-01	7.07E-01
2.00E+00	7.60E-03	3.14E-01	3.22E-01
3.00E+00	7.39E-03	1.24E-01	1.31E-01
4.00E+00	7.19E-03	4.65E-02	5.37E-02
5.00E+00	7.01E-03	1.72E-02	2.42E-02
6.00E+00	6.85E-03	6.30E-03	1.31E-02
7.00E+00	6.69E-03	2.30E-03	8.99E-03
8.00E+00	6.54E-03	8.40E-04	7.38E-03
9.00E+00	6.39E-03	3.06E-04	6.70E-03
1.00E+01	6.26E-03	1.12E-04	6.37E-03
2.00E+01	5.19E-03	0.00E+00	5.19E-03
3.00E+01	4.45E-03	0.00E+00	4.45E-03
4.00E+01	3.87E-03	0.00E+00	3.87E-03
5.00E+01	3.39E-03	0.00E+00	3.39E-03
6.00E+01	2.97E-03	0.00E+00	2.97E-03
7.00E+01	2.61E-03	0.00E+00	2.61E-03
8.00E+01	2.30E-03	0.00E+00	2.30E-03
9.00E+01	2.02E-03	0.00E+00	2.02E-03
1.00E+02	1.78E-03	0.00E+00	1.78E-03
2.00E+02	4.92E-04	0.00E+00	4.92E-04
3.00E+02	1.36E-04	0.00E+00	1.36E-04
4.00E+02	3.78E-05	0.00E+00	3.78E-05
5.00E+02	1.05E-05	0.00E+00	1.05E-05
6.00E+02	2.91E-06	0.00E+00	2.91E-06
7.00E+02	8.06E-07	0.00E+00	8.06E-07
8.00E+02	2.23E-07	0.00E+00	2.23E-07
9.00E+02	6.19E-08	0.00E+00	6.19E-08
1.00E+03	1.72E-08	0.00E+00	1.72E-08

INGESTION

$f_1 = 1.00E-02$

HALFLIFE = 7.40E+01 DAYS

IRIDIUM 192

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		6.59E-05		6.08E-04
2.00E-01		2.85E-04		5.88E-03
3.00E-01		5.71E-04		1.92E-02
4.00E-01		8.55E-04		4.13E-02
5.00E-01		1.11E-03		7.11E-02
6.00E-01		1.32E-03		1.07E-01
7.00E-01		1.50E-03		1.48E-01
8.00E-01		1.64E-03		1.91E-01
9.00E-01		1.76E-03		2.36E-01
1.00E+00	1.85E-03	1.85E-03	2.82E-01	2.82E-01
2.00E+00	3.78E-04	2.21E-03	3.79E-01	6.58E-01
3.00E+00	1.47E-04	2.34E-03	1.87E-01	8.39E-01
4.00E+00	1.22E-04	2.44E-03	7.60E-02	9.07E-01
5.00E+00	1.12E-04	2.53E-03	2.89E-02	9.28E-01
6.00E+00	1.03E-04	2.61E-03	1.07E-02	9.30E-01
7.00E+00	9.56E-05	2.68E-03	3.94E-03	9.25E-01
8.00E+00	8.85E-05	2.74E-03	1.44E-03	9.18E-01
9.00E+00	8.19E-05	2.80E-03	5.26E-04	9.10E-01
1.00E+01	7.60E-05	2.85E-03	1.92E-04	9.01E-01
2.00E+01	3.88E-05	3.10E-03	0.00E+00	8.21E-01
3.00E+01	2.34E-05	3.10E-03	0.00E+00	7.48E-01
4.00E+01	1.65E-05	3.01E-03	0.00E+00	6.81E-01
5.00E+01	1.29E-05	2.88E-03	0.00E+00	6.20E-01
6.00E+01	1.08E-05	2.73E-03	0.00E+00	5.64E-01
7.00E+01	9.23E-06	2.58E-03	0.00E+00	5.14E-01
8.00E+01	8.03E-06	2.43E-03	0.00E+00	4.68E-01
9.00E+01	7.03E-06	2.29E-03	0.00E+00	4.26E-01
1.00E+02	6.17E-06	2.14E-03	0.00E+00	3.88E-01
2.00E+02	1.71E-06	1.04E-03	0.00E+00	1.52E-01
3.00E+02	4.74E-07	4.66E-04	0.00E+00	5.96E-02
4.00E+02	1.31E-07	1.98E-04	0.00E+00	2.34E-02
5.00E+02	3.64E-08	8.21E-05	0.00E+00	9.17E-03
6.00E+02	1.01E-08	3.34E-05	0.00E+00	3.59E-03

INGESTION

 $f_1 = 1.00E-02$

STABLE

IRIDIUM 193

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	2.94E-03	9.96E-01	9.99E-01
2.00E-01	5.76E-03	9.88E-01	9.94E-01
3.00E-01	7.26E-03	9.73E-01	9.80E-01
4.00E-01	7.96E-03	9.50E-01	9.58E-01
5.00E-01	8.24E-03	9.19E-01	9.27E-01
6.00E-01	8.32E-03	8.83E-01	8.91E-01
7.00E-01	8.30E-03	8.42E-01	8.50E-01
8.00E-01	8.24E-03	7.98E-01	8.06E-01
9.00E-01	8.17E-03	7.52E-01	7.60E-01
1.00E+00	8.10E-03	7.06E-01	7.14E-01
2.00E+00	7.75E-03	3.20E-01	3.28E-01
3.00E+00	7.60E-03	1.27E-01	1.35E-01
4.00E+00	7.47E-03	4.83E-02	5.58E-02
5.00E+00	7.35E-03	1.80E-02	2.54E-02
6.00E+00	7.24E-03	6.66E-03	1.39E-02
7.00E+00	7.14E-03	2.46E-03	9.60E-03
8.00E+00	7.04E-03	9.05E-04	7.95E-03
9.00E+00	6.95E-03	3.33E-04	7.29E-03
1.00E+01	6.87E-03	1.23E-04	6.99E-03
2.00E+01	6.26E-03	0.00E+00	6.26E-03
3.00E+01	5.89E-03	0.00E+00	5.89E-03
4.00E+01	5.63E-03	0.00E+00	5.63E-03
5.00E+01	5.41E-03	0.00E+00	5.41E-03
6.00E+01	5.21E-03	0.00E+00	5.21E-03
7.00E+01	5.03E-03	0.00E+00	5.03E-03
8.00E+01	4.86E-03	0.00E+00	4.86E-03
9.00E+01	4.69E-03	0.00E+00	4.69E-03
1.00E+02	4.53E-03	0.00E+00	4.53E-03
2.00E+02	3.20E-03	0.00E+00	3.20E-03
3.00E+02	2.26E-03	0.00E+00	2.26E-03
4.00E+02	1.60E-03	0.00E+00	1.60E-03
5.00E+02	1.13E-03	0.00E+00	1.13E-03
6.00E+02	8.01E-04	0.00E+00	8.01E-04
7.00E+02	5.66E-04	0.00E+00	5.66E-04
8.00E+02	4.01E-04	0.00E+00	4.01E-04
9.00E+02	2.83E-04	0.00E+00	2.83E-04
1.00E+03	2.00E-04	0.00E+00	2.00E-04
2.00E+03	6.26E-06	0.00E+00	6.26E-06
3.00E+03	1.96E-07	0.00E+00	1.96E-07

INGESTION

$f_1 = 1.00E-02$

STABLE

IRIDIUM 193

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		6.60E-05		6.09E-04
2.00E-01		2.86E-04		5.89E-03
3.00E-01		5.72E-04		1.93E-02
4.00E-01		8.58E-04		4.14E-02
5.00E-01		1.11E-03		7.14E-02
6.00E-01		1.33E-03		1.08E-01
7.00E-01		1.51E-03		1.49E-01
8.00E-01		1.66E-03		1.92E-01
9.00E-01		1.77E-03		2.38E-01
1.00E+00	1.87E-03	1.87E-03	2.84E-01	2.84E-01
2.00E+00	3.85E-04	2.25E-03	3.86E-01	6.70E-01
3.00E+00	1.51E-04	2.40E-03	1.93E-01	8.63E-01
4.00E+00	1.27E-04	2.53E-03	7.89E-02	9.42E-01
5.00E+00	1.18E-04	2.65E-03	3.03E-02	9.72E-01
6.00E+00	1.09E-04	2.76E-03	1.13E-02	9.83E-01
7.00E+00	1.02E-04	2.86E-03	4.21E-03	9.88E-01
8.00E+00	9.53E-05	2.96E-03	1.55E-03	9.89E-01
9.00E+00	8.91E-05	3.05E-03	5.72E-04	9.90E-01
1.00E+01	8.35E-05	3.13E-03	2.10E-04	9.90E-01
2.00E+01	4.68E-05	3.74E-03	0.00E+00	9.90E-01
3.00E+01	3.10E-05	4.11E-03	0.00E+00	9.90E-01
4.00E+01	2.40E-05	4.37E-03	0.00E+00	9.90E-01
5.00E+01	2.06E-05	4.59E-03	0.00E+00	9.90E-01
6.00E+01	1.89E-05	4.79E-03	0.00E+00	9.90E-01
7.00E+01	1.78E-05	4.97E-03	0.00E+00	9.90E-01
8.00E+01	1.70E-05	5.14E-03	0.00E+00	9.90E-01
9.00E+01	1.63E-05	5.31E-03	0.00E+00	9.90E-01
1.00E+02	1.57E-05	5.47E-03	0.00E+00	9.90E-01
2.00E+02	1.11E-05	6.80E-03	0.00E+00	9.90E-01
3.00E+02	7.86E-06	7.74E-03	0.00E+00	9.90E-01
4.00E+02	5.56E-06	8.40E-03	0.00E+00	9.90E-01
5.00E+02	3.93E-06	8.87E-03	0.00E+00	9.90E-01
6.00E+02	2.78E-06	9.20E-03	0.00E+00	9.90E-01
7.00E+02	1.97E-06	9.43E-03	0.00E+00	9.90E-01
8.00E+02	1.39E-06	9.60E-03	0.00E+00	9.90E-01
9.00E+02	9.83E-07	9.72E-03	0.00E+00	9.90E-01
1.00E+03	6.95E-07	9.80E-03	0.00E+00	9.90E-01
2.00E+03	2.17E-08	9.99E-03	0.00E+00	9.90E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	2.94E-03	9.96E-01	9.99E-01
2.00E-01	5.73E-03	9.88E-01	9.94E-01
3.00E-01	7.19E-03	9.73E-01	9.80E-01
4.00E-01	7.85E-03	9.50E-01	9.58E-01
5.00E-01	8.09E-03	9.19E-01	9.27E-01
6.00E-01	8.12E-03	8.83E-01	8.91E-01
7.00E-01	8.05E-03	8.42E-01	8.50E-01
8.00E-01	7.95E-03	7.98E-01	8.06E-01
9.00E-01	7.83E-03	7.52E-01	7.60E-01
1.00E+00	7.72E-03	7.06E-01	7.13E-01
2.00E+00	6.92E-03	3.20E-01	3.27E-01
3.00E+00	6.36E-03	1.27E-01	1.34E-01
4.00E+00	5.87E-03	4.83E-02	5.42E-02
5.00E+00	5.41E-03	1.80E-02	2.34E-02
6.00E+00	4.99E-03	6.66E-03	1.17E-02
7.00E+00	4.61E-03	2.46E-03	7.07E-03
8.00E+00	4.26E-03	9.05E-04	5.16E-03
9.00E+00	3.94E-03	3.33E-04	4.27E-03
1.00E+01	3.64E-03	1.23E-04	3.76E-03
2.00E+01	1.74E-03	0.00E+00	1.74E-03
3.00E+01	9.36E-04	0.00E+00	9.36E-04
4.00E+01	5.90E-04	0.00E+00	5.90E-04
5.00E+01	4.38E-04	0.00E+00	4.38E-04
6.00E+01	3.68E-04	0.00E+00	3.68E-04
7.00E+01	3.32E-04	0.00E+00	3.32E-04
8.00E+01	3.11E-04	0.00E+00	3.11E-04
9.00E+01	2.96E-04	0.00E+00	2.96E-04
1.00E+02	2.84E-04	0.00E+00	2.84E-04
2.00E+02	2.00E-04	0.00E+00	2.00E-04
3.00E+02	1.42E-04	0.00E+00	1.42E-04
4.00E+02	1.00E-04	0.00E+00	1.00E-04
5.00E+02	7.08E-05	0.00E+00	7.08E-05
6.00E+02	5.01E-05	0.00E+00	5.01E-05
7.00E+02	3.54E-05	0.00E+00	3.54E-05
8.00E+02	2.50E-05	0.00E+00	2.50E-05
9.00E+02	1.77E-05	0.00E+00	1.77E-05
1.00E+03	1.25E-05	0.00E+00	1.25E-05
2.00E+03	3.91E-07	0.00E+00	3.91E-07
3.00E+03	1.22E-08	0.00E+00	1.22E-08

INGESTION

$f_1 = 1.00E-02$

STABLE

PLATINUM 195

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		7.22E-05		6.09E-04
2.00E-01		3.15E-04		5.89E-03
3.00E-01		6.36E-04		1.93E-02
4.00E-01		9.63E-04		4.14E-02
5.00E-01		1.26E-03		7.14E-02
6.00E-01		1.53E-03		1.08E-01
7.00E-01		1.75E-03		1.49E-01
8.00E-01		1.95E-03		1.92E-01
9.00E-01		2.11E-03		2.38E-01
1.00E+00	2.25E-03	2.25E-03	2.84E-01	2.84E-01
2.00E+00	8.29E-04	3.08E-03	3.86E-01	6.70E-01
3.00E+00	5.57E-04	3.64E-03	1.93E-01	8.63E-01
4.00E+00	4.97E-04	4.13E-03	7.89E-02	9.42E-01
5.00E+00	4.55E-04	4.59E-03	3.03E-02	9.72E-01
6.00E+00	4.18E-04	5.01E-03	1.13E-02	9.83E-01
7.00E+00	3.83E-04	5.39E-03	4.21E-03	9.88E-01
8.00E+00	3.52E-04	5.74E-03	1.55E-03	9.89E-01
9.00E+00	3.22E-04	6.06E-03	5.72E-04	9.90E-01
1.00E+01	2.96E-04	6.36E-03	2.10E-04	9.90E-01
2.00E+01	1.25E-04	8.26E-03	0.00E+00	9.90E-01
3.00E+01	5.33E-05	9.06E-03	0.00E+00	9.90E-01
4.00E+01	2.31E-05	9.41E-03	0.00E+00	9.90E-01
5.00E+01	1.04E-05	9.56E-03	0.00E+00	9.90E-01
6.00E+01	5.00E-06	9.63E-03	0.00E+00	9.90E-01
7.00E+01	2.72E-06	9.67E-03	0.00E+00	9.90E-01
8.00E+01	1.74E-06	9.69E-03	0.00E+00	9.90E-01
9.00E+01	1.31E-06	9.70E-03	0.00E+00	9.90E-01
1.00E+02	1.10E-06	9.72E-03	0.00E+00	9.90E-01
2.00E+02	6.95E-07	9.80E-03	0.00E+00	9.90E-01
3.00E+02	4.91E-07	9.86E-03	0.00E+00	9.90E-01
4.00E+02	3.47E-07	9.90E-03	0.00E+00	9.90E-01
5.00E+02	2.46E-07	9.93E-03	0.00E+00	9.90E-01
6.00E+02	1.74E-07	9.95E-03	0.00E+00	9.90E-01
7.00E+02	1.23E-07	9.96E-03	0.00E+00	9.90E-01
8.00E+02	8.69E-08	9.97E-03	0.00E+00	9.90E-01
9.00E+02	6.14E-08	9.98E-03	0.00E+00	9.90E-01
1.00E+03	4.35E-08	9.99E-03	0.00E+00	9.90E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	3.21E-02	9.67E-01	9.99E-01
2.00E-01	6.24E-02	9.30E-01	9.93E-01
3.00E-01	7.82E-02	9.00E-01	9.78E-01
4.00E-01	8.54E-02	8.70E-01	9.55E-01
5.00E-01	8.81E-02	8.37E-01	9.25E-01
6.00E-01	8.84E-02	8.01E-01	8.89E-01
7.00E-01	8.76E-02	7.62E-01	8.49E-01
8.00E-01	8.63E-02	7.20E-01	8.07E-01
9.00E-01	8.46E-02	6.78E-01	7.63E-01
1.00E+00	8.28E-02	6.36E-01	7.18E-01
2.00E+00	6.59E-02	2.87E-01	3.52E-01
3.00E+00	5.23E-02	1.14E-01	1.66E-01
4.00E+00	4.15E-02	4.32E-02	8.47E-02
5.00E+00	3.30E-02	1.61E-02	4.90E-02
6.00E+00	2.62E-02	5.95E-03	3.21E-02
7.00E+00	2.08E-02	2.19E-03	2.30E-02
8.00E+00	1.65E-02	8.08E-04	1.73E-02
9.00E+00	1.31E-02	2.97E-04	1.34E-02
1.00E+01	1.04E-02	1.09E-04	1.05E-02
2.00E+01	1.03E-03	0.00E+00	1.03E-03
3.00E+01	1.02E-04	0.00E+00	1.02E-04
4.00E+01	1.02E-05	0.00E+00	1.02E-05
5.00E+01	1.01E-06	0.00E+00	1.01E-06
6.00E+01	1.00E-07	0.00E+00	1.00E-07

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		3.10E-04		6.02E-04
2.00E-01		1.43E-03		5.76E-03
3.00E-01		3.08E-03		1.87E-02
4.00E-01		4.98E-03		3.98E-02
5.00E-01		6.99E-03		6.80E-02
6.00E-01		9.03E-03		1.02E-01
7.00E-01		1.11E-02		1.40E-01
8.00E-01		1.31E-02		1.80E-01
9.00E-01		1.51E-02		2.22E-01
1.00E+00	1.70E-02	1.70E-02	2.65E-01	2.65E-01
2.00E+00	1.71E-02	3.41E-02	3.49E-01	6.13E-01
3.00E+00	1.36E-02	4.77E-02	1.73E-01	7.86E-01
4.00E+00	1.08E-02	5.85E-02	7.06E-02	8.57E-01
5.00E+00	8.56E-03	6.70E-02	2.71E-02	8.84E-01
6.00E+00	6.80E-03	7.38E-02	1.01E-02	8.94E-01
7.00E+00	5.40E-03	7.92E-02	3.76E-03	8.98E-01
8.00E+00	4.28E-03	8.35E-02	1.39E-03	8.99E-01
9.00E+00	3.40E-03	8.69E-02	5.11E-04	9.00E-01
1.00E+01	2.70E-03	8.96E-02	1.88E-04	9.00E-01
2.00E+01	2.68E-04	9.90E-02	0.00E+00	9.00E-01
3.00E+01	2.66E-05	9.99E-02	0.00E+00	9.00E-01
4.00E+01	2.64E-06	1.00E-01	0.00E+00	9.00E-01
5.00E+01	2.62E-07	1.00E-01	0.00E+00	9.00E-01
6.00E+01	2.60E-08	1.00E-01	0.00E+00	9.00E-01

INGESTION

$f_1 = 1.00E+00$

STABLE

MERCURY(ORG) 200

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	9.09E-01	9.07E-02	9.99E-01
2.00E-01	9.90E-01	8.23E-03	9.99E-01
3.00E-01	9.97E-01	7.48E-04	9.98E-01
4.00E-01	9.97E-01	6.86E-05	9.97E-01
5.00E-01	9.96E-01	7.02E-06	9.96E-01
6.00E-01	9.95E-01	1.38E-06	9.95E-01
7.00E-01	9.95E-01	8.30E-07	9.95E-01
8.00E-01	9.94E-01	7.35E-07	9.94E-01
9.00E-01	9.93E-01	6.83E-07	9.93E-01
1.00E+00	9.92E-01	6.35E-07	9.92E-01
2.00E+00	9.84E-01	2.76E-07	9.84E-01
3.00E+00	9.76E-01	1.08E-07	9.76E-01
4.00E+00	9.68E-01	4.09E-08	9.68E-01
5.00E+00	9.60E-01	1.52E-08	9.60E-01
6.00E+00	9.52E-01	0.00E+00	9.52E-01
7.00E+00	9.44E-01	0.00E+00	9.44E-01
8.00E+00	9.37E-01	0.00E+00	9.37E-01
9.00E+00	9.29E-01	0.00E+00	9.29E-01
1.00E+01	9.21E-01	0.00E+00	9.21E-01
2.00E+01	8.49E-01	0.00E+00	8.49E-01
3.00E+01	7.83E-01	0.00E+00	7.83E-01
4.00E+01	7.22E-01	0.00E+00	7.22E-01
5.00E+01	6.66E-01	0.00E+00	6.66E-01
6.00E+01	6.15E-01	0.00E+00	6.15E-01
7.00E+01	5.68E-01	0.00E+00	5.68E-01
8.00E+01	5.25E-01	0.00E+00	5.25E-01
9.00E+01	4.85E-01	0.00E+00	4.85E-01
1.00E+02	4.49E-01	0.00E+00	4.49E-01
2.00E+02	2.17E-01	0.00E+00	2.17E-01
3.00E+02	1.20E-01	0.00E+00	1.20E-01
4.00E+02	7.83E-02	0.00E+00	7.83E-02
5.00E+02	6.08E-02	0.00E+00	6.08E-02
6.00E+02	5.32E-02	0.00E+00	5.32E-02
7.00E+02	4.98E-02	0.00E+00	4.98E-02
8.00E+02	4.82E-02	0.00E+00	4.82E-02
9.00E+02	4.74E-02	0.00E+00	4.74E-02
1.00E+03	4.68E-02	0.00E+00	4.68E-02
2.00E+03	4.35E-02	0.00E+00	4.35E-02
3.00E+03	4.06E-02	0.00E+00	4.06E-02
4.00E+03	3.79E-02	0.00E+00	3.79E-02
5.00E+03	3.54E-02	0.00E+00	3.54E-02
7.00E+03	3.08E-02	0.00E+00	3.08E-02
8.00E+03	2.87E-02	0.00E+00	2.87E-02
9.00E+03	2.68E-02	0.00E+00	2.68E-02
1.00E+04	2.50E-02	0.00E+00	2.50E-02
2.00E+04	1.25E-02	0.00E+00	1.25E-02

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		5.11E-04		4.12E-09
2.00E-01		1.31E-03		2.10E-08
3.00E-01		2.12E-03		4.92E-08
4.00E-01		2.95E-03		8.57E-08
5.00E-01		3.77E-03		1.28E-07
6.00E-01		4.59E-03		1.73E-07
7.00E-01		5.40E-03		2.21E-07
8.00E-01		6.22E-03		2.69E-07
9.00E-01		7.04E-03		3.17E-07
1.00E+00	7.86E-03	7.86E-03	3.65E-07	3.65E-07
2.00E+00	8.13E-03	1.60E-02	3.59E-07	7.24E-07
3.00E+00	8.06E-03	2.40E-02	1.68E-07	8.92E-07
4.00E+00	7.99E-03	3.20E-02	6.74E-08	9.59E-07
5.00E+00	7.92E-03	4.00E-02	2.57E-08	9.85E-07
6.00E+00	7.85E-03	4.78E-02	0.00E+00	9.94E-07
7.00E+00	7.79E-03	5.56E-02	0.00E+00	9.98E-07
8.00E+00	7.72E-03	6.33E-02	0.00E+00	9.99E-07
9.00E+00	7.65E-03	7.10E-02	0.00E+00	1.00E-06
1.00E+01	7.59E-03	7.86E-02	0.00E+00	1.00E-06
2.00E+01	6.96E-03	1.51E-01	0.00E+00	1.00E-06
3.00E+01	6.38E-03	2.17E-01	0.00E+00	1.00E-06
4.00E+01	5.85E-03	2.78E-01	0.00E+00	1.00E-06
5.00E+01	5.37E-03	3.34E-01	0.00E+00	1.00E-06
7.00E+01	4.51E-03	4.32E-01	0.00E+00	1.00E-06
8.00E+01	4.14E-03	4.75E-01	0.00E+00	1.00E-06
9.00E+01	3.80E-03	5.15E-01	0.00E+00	1.00E-06
1.00E+02	3.48E-03	5.51E-01	0.00E+00	1.00E-06
2.00E+02	1.47E-03	7.83E-01	0.00E+00	1.00E-06
3.00E+02	6.18E-04	8.80E-01	0.00E+00	1.00E-06
4.00E+02	2.62E-04	9.22E-01	0.00E+00	1.00E-06
5.00E+02	1.12E-04	9.39E-01	0.00E+00	1.00E-06
7.00E+02	2.25E-05	9.50E-01	0.00E+00	1.00E-06
8.00E+02	1.14E-05	9.52E-01	0.00E+00	1.00E-06
9.00E+02	6.65E-06	9.53E-01	0.00E+00	1.00E-06
1.00E+03	4.66E-06	9.53E-01	0.00E+00	1.00E-06
2.00E+03	3.02E-06	9.56E-01	0.00E+00	1.00E-06
3.00E+03	2.81E-06	9.59E-01	0.00E+00	1.00E-06
4.00E+03	2.63E-06	9.62E-01	0.00E+00	1.00E-06
5.00E+03	2.45E-06	9.65E-01	0.00E+00	1.00E-06
7.00E+03	2.13E-06	9.69E-01	0.00E+00	1.00E-06
8.00E+03	1.99E-06	9.71E-01	0.00E+00	1.00E-06
9.00E+03	1.86E-06	9.73E-01	0.00E+00	1.00E-06
1.00E+04	1.73E-06	9.75E-01	0.00E+00	1.00E-06
2.00E+04	8.67E-07	9.87E-01	0.00E+00	1.00E-06

INGESTION

$f_1 = 1.00E+00$

HALFLIFE= 1.38E+03 DAYS

THALLIUM 204

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	9.05E-01	9.07E-02	9.96E-01
2.00E-01	9.81E-01	8.23E-03	9.89E-01
3.00E-01	9.81E-01	7.47E-04	9.82E-01
4.00E-01	9.75E-01	6.86E-05	9.75E-01
5.00E-01	9.68E-01	7.01E-06	9.68E-01
6.00E-01	9.62E-01	1.38E-06	9.62E-01
7.00E-01	9.55E-01	8.29E-07	9.55E-01
8.00E-01	9.48E-01	7.35E-07	9.48E-01
9.00E-01	9.42E-01	6.83E-07	9.42E-01
1.00E+00	9.35E-01	6.35E-07	9.35E-01
2.00E+00	8.72E-01	2.76E-07	8.72E-01
3.00E+00	8.13E-01	1.08E-07	8.13E-01
4.00E+00	7.59E-01	4.08E-08	7.59E-01
5.00E+00	7.07E-01	1.52E-08	7.07E-01
6.00E+00	6.60E-01	0.00E+00	6.60E-01
7.00E+00	6.15E-01	0.00E+00	6.15E-01
8.00E+00	5.74E-01	0.00E+00	5.74E-01
9.00E+00	5.35E-01	0.00E+00	5.35E-01
1.00E+01	4.99E-01	0.00E+00	4.99E-01
2.00E+01	2.48E-01	0.00E+00	2.48E-01
3.00E+01	1.24E-01	0.00E+00	1.24E-01
4.00E+01	6.15E-02	0.00E+00	6.15E-02
5.00E+01	3.06E-02	0.00E+00	3.06E-02
6.00E+01	1.52E-02	0.00E+00	1.52E-02
7.00E+01	7.57E-03	0.00E+00	7.57E-03
8.00E+01	3.77E-03	0.00E+00	3.77E-03
9.00E+01	1.87E-03	0.00E+00	1.87E-03
1.00E+02	9.33E-04	0.00E+00	9.33E-04
2.00E+02	8.68E-07	0.00E+00	8.68E-07

INGESTION

$f_1 = 1.00E+00$

HALFLIFE= 1.38E+03 DAYS

THALLIUM 204

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		4.29E-03		4.12E-09
2.00E-01		1.09E-02		2.10E-08
3.00E-01		1.77E-02		4.92E-08
4.00E-01		2.45E-02		8.57E-08
5.00E-01		3.13E-02		1.28E-07
6.00E-01		3.79E-02		1.73E-07
7.00E-01		4.46E-02		2.21E-07
8.00E-01		5.12E-02		2.69E-07
9.00E-01		5.77E-02		3.17E-07
1.00E+00	6.42E-02	6.42E-02	3.64E-07	3.64E-07
2.00E+00	6.26E-02	1.27E-01	3.59E-07	7.23E-07
3.00E+00	5.84E-02	1.85E-01	1.68E-07	8.90E-07
4.00E+00	5.44E-02	2.39E-01	6.73E-08	9.57E-07
5.00E+00	5.08E-02	2.90E-01	2.56E-08	9.82E-07
6.00E+00	4.73E-02	3.37E-01	0.00E+00	9.91E-07
7.00E+00	4.41E-02	3.81E-01	0.00E+00	9.94E-07
8.00E+00	4.12E-02	4.22E-01	0.00E+00	9.95E-07
9.00E+00	3.84E-02	4.60E-01	0.00E+00	9.95E-07
1.00E+01	3.58E-02	4.96E-01	0.00E+00	9.95E-07
2.00E+01	1.78E-02	7.42E-01	0.00E+00	9.90E-07
3.00E+01	8.87E-03	8.62E-01	0.00E+00	9.85E-07
4.00E+01	4.41E-03	9.19E-01	0.00E+00	9.80E-07
5.00E+01	2.19E-03	9.45E-01	0.00E+00	9.75E-07
6.00E+01	1.09E-03	9.55E-01	0.00E+00	9.70E-07
7.00E+01	5.43E-04	9.58E-01	0.00E+00	9.65E-07
8.00E+01	2.70E-04	9.57E-01	0.00E+00	9.61E-07
9.00E+01	1.35E-04	9.54E-01	0.00E+00	9.56E-07
1.00E+02	6.69E-05	9.50E-01	0.00E+00	9.51E-07
2.00E+02	6.23E-08	9.04E-01	0.00E+00	9.04E-07

INGESTION

 $f_1 = 1.00E+00$

STABLE

THALLIUM 205

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	9.05E-01	9.07E-02	9.96E-01
2.00E-01	9.81E-01	8.23E-03	9.89E-01
3.00E-01	9.82E-01	7.48E-04	9.82E-01
4.00E-01	9.75E-01	6.86E-05	9.75E-01
5.00E-01	9.69E-01	7.02E-06	9.69E-01
6.00E-01	9.62E-01	1.38E-06	9.62E-01
7.00E-01	9.55E-01	8.30E-07	9.55E-01
8.00E-01	9.49E-01	7.35E-07	9.49E-01
9.00E-01	9.42E-01	6.83E-07	9.42E-01
1.00E+00	9.36E-01	6.35E-07	9.36E-01
2.00E+00	8.73E-01	2.76E-07	8.73E-01
3.00E+00	8.15E-01	1.08E-07	8.15E-01
4.00E+00	7.60E-01	4.09E-08	7.60E-01
5.00E+00	7.09E-01	1.52E-08	7.09E-01
6.00E+00	6.62E-01	0.00E+00	6.62E-01
7.00E+00	6.17E-01	0.00E+00	6.17E-01
8.00E+00	5.76E-01	0.00E+00	5.76E-01
9.00E+00	5.38E-01	0.00E+00	5.38E-01
1.00E+01	5.02E-01	0.00E+00	5.02E-01
2.00E+01	2.51E-01	0.00E+00	2.51E-01
3.00E+01	1.25E-01	0.00E+00	1.25E-01
4.00E+01	6.27E-02	0.00E+00	6.27E-02
5.00E+01	3.14E-02	0.00E+00	3.14E-02
6.00E+01	1.57E-02	0.00E+00	1.57E-02
7.00E+01	7.84E-03	0.00E+00	7.84E-03
8.00E+01	3.92E-03	0.00E+00	3.92E-03
9.00E+01	1.96E-03	0.00E+00	1.96E-03
1.00E+02	9.81E-04	0.00E+00	9.81E-04
2.00E+02	9.59E-07	0.00E+00	9.59E-07

INGESTION

$f_1 = 1.00E+00$

STABLE

THALLIUM 205

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		4.29E-03		4.12E-09
2.00E-01		1.09E-02		2.10E-08
3.00E-01		1.77E-02		4.92E-08
4.00E-01		2.45E-02		8.57E-08
5.00E-01		3.13E-02		1.28E-07
6.00E-01		3.79E-02		1.73E-07
7.00E-01		4.46E-02		2.21E-07
8.00E-01		5.12E-02		2.69E-07
9.00E-01		5.77E-02		3.17E-07
1.00E+00	6.43E-02	6.43E-02	3.65E-07	3.65E-07
2.00E+00	6.27E-02	1.27E-01	3.59E-07	7.24E-07
3.00E+00	5.85E-02	1.85E-01	1.68E-07	8.92E-07
4.00E+00	5.45E-02	2.40E-01	6.74E-08	9.59E-07
5.00E+00	5.09E-02	2.91E-01	2.57E-08	9.85E-07
6.00E+00	4.75E-02	3.38E-01	0.00E+00	9.94E-07
7.00E+00	4.43E-02	3.83E-01	0.00E+00	9.98E-07
8.00E+00	4.13E-02	4.24E-01	0.00E+00	9.99E-07
9.00E+00	3.86E-02	4.62E-01	0.00E+00	1.00E-06
1.00E+01	3.60E-02	4.98E-01	0.00E+00	1.00E-06
2.00E+01	1.80E-02	7.49E-01	0.00E+00	1.00E-06
3.00E+01	9.00E-03	8.75E-01	0.00E+00	1.00E-06
4.00E+01	4.50E-03	9.37E-01	0.00E+00	1.00E-06
5.00E+01	2.25E-03	9.69E-01	0.00E+00	1.00E-06
6.00E+01	1.13E-03	9.84E-01	0.00E+00	1.00E-06
7.00E+01	5.63E-04	9.92E-01	0.00E+00	1.00E-06
8.00E+01	2.81E-04	9.96E-01	0.00E+00	1.00E-06
9.00E+01	1.41E-04	9.98E-01	0.00E+00	1.00E-06
1.00E+02	7.04E-05	9.99E-01	0.00E+00	1.00E-06
2.00E+02	6.88E-08	1.00E+00	0.00E+00	1.00E-06

INGESTION

 $f_1 = 2.00E-01$

STABLE

LEAD 207

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	7.07E-02	9.29E-01	9.99E-01
2.00E-01	1.35E-01	8.59E-01	9.94E-01
3.00E-01	1.68E-01	8.13E-01	9.81E-01
4.00E-01	1.84E-01	7.77E-01	9.60E-01
5.00E-01	1.91E-01	7.43E-01	9.34E-01
6.00E-01	1.93E-01	7.08E-01	9.02E-01
7.00E-01	1.94E-01	6.72E-01	8.67E-01
8.00E-01	1.94E-01	6.35E-01	8.29E-01
9.00E-01	1.94E-01	5.97E-01	7.91E-01
1.00E+00	1.93E-01	5.59E-01	7.52E-01
2.00E+00	1.86E-01	2.51E-01	4.36E-01
3.00E+00	1.79E-01	9.93E-02	2.78E-01
4.00E+00	1.72E-01	3.76E-02	2.10E-01
5.00E+00	1.66E-01	1.40E-02	1.80E-01
6.00E+00	1.60E-01	5.19E-03	1.65E-01
7.00E+00	1.54E-01	1.91E-03	1.56E-01
8.00E+00	1.49E-01	7.04E-04	1.49E-01
9.00E+00	1.44E-01	2.59E-04	1.44E-01
1.00E+01	1.39E-01	9.54E-05	1.39E-01
2.00E+01	1.03E-01	0.00E+00	1.03E-01
3.00E+01	8.25E-02	0.00E+00	8.25E-02
4.00E+01	7.03E-02	0.00E+00	7.03E-02
5.00E+01	6.30E-02	0.00E+00	6.30E-02
6.00E+01	5.84E-02	0.00E+00	5.84E-02
7.00E+01	5.53E-02	0.00E+00	5.53E-02
8.00E+01	5.31E-02	0.00E+00	5.31E-02
9.00E+01	5.15E-02	0.00E+00	5.15E-02
1.00E+02	5.01E-02	0.00E+00	5.01E-02
2.00E+02	4.12E-02	0.00E+00	4.12E-02
3.00E+02	3.54E-02	0.00E+00	3.54E-02
4.00E+02	3.13E-02	0.00E+00	3.13E-02
5.00E+02	2.86E-02	0.00E+00	2.86E-02
6.00E+02	2.66E-02	0.00E+00	2.66E-02
7.00E+02	2.53E-02	0.00E+00	2.53E-02
8.00E+02	2.43E-02	0.00E+00	2.43E-02
9.00E+02	2.36E-02	0.00E+00	2.36E-02
1.00E+03	2.30E-02	0.00E+00	2.30E-02
2.00E+03	2.07E-02	0.00E+00	2.07E-02
3.00E+03	1.93E-02	0.00E+00	1.93E-02
4.00E+03	1.80E-02	0.00E+00	1.80E-02
5.00E+03	1.68E-02	0.00E+00	1.68E-02
7.00E+03	1.47E-02	0.00E+00	1.47E-02
8.00E+03	1.37E-02	0.00E+00	1.37E-02
9.00E+03	1.28E-02	0.00E+00	1.28E-02
1.00E+04	1.19E-02	0.00E+00	1.19E-02
2.00E+04	5.95E-03	0.00E+00	5.95E-03

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		1.21E-04		5.92E-04
2.00E-01		5.51E-04		5.58E-03
3.00E-01		1.17E-03		1.79E-02
4.00E-01		1.89E-03		3.76E-02
5.00E-01		2.65E-03		6.38E-02
6.00E-01		3.42E-03		9.48E-02
7.00E-01		4.20E-03		1.29E-01
8.00E-01		4.98E-03		1.66E-01
9.00E-01		5.76E-03		2.03E-01
1.00E+00	6.54E-03	6.54E-03	2.41E-01	2.41E-01
2.00E+00	7.53E-03	1.41E-02	3.08E-01	5.49E-01
3.00E+00	7.12E-03	2.12E-02	1.51E-01	7.01E-01
4.00E+00	6.73E-03	2.79E-02	6.16E-02	7.62E-01
5.00E+00	6.36E-03	3.43E-02	2.36E-02	7.86E-01
6.00E+00	6.01E-03	4.03E-02	8.84E-03	7.95E-01
7.00E+00	5.68E-03	4.60E-02	3.28E-03	7.98E-01
8.00E+00	5.37E-03	5.13E-02	1.21E-03	7.99E-01
9.00E+00	5.07E-03	5.64E-02	4.45E-04	8.00E-01
1.00E+01	4.80E-03	6.12E-02	1.64E-04	8.00E-01
2.00E+01	2.75E-03	9.69E-02	0.00E+00	8.00E-01
3.00E+01	1.60E-03	1.18E-01	0.00E+00	8.00E-01
4.00E+01	9.51E-04	1.30E-01	0.00E+00	8.00E-01
5.00E+01	5.85E-04	1.37E-01	0.00E+00	8.00E-01
7.00E+01	2.60E-04	1.45E-01	0.00E+00	8.00E-01
8.00E+01	1.92E-04	1.47E-01	0.00E+00	8.00E-01
9.00E+01	1.52E-04	1.49E-01	0.00E+00	8.00E-01
1.00E+02	1.28E-04	1.50E-01	0.00E+00	8.00E-01
2.00E+02	7.00E-05	1.59E-01	0.00E+00	8.00E-01
3.00E+02	4.81E-05	1.65E-01	0.00E+00	8.00E-01
4.00E+02	3.32E-05	1.69E-01	0.00E+00	8.00E-01
5.00E+02	2.31E-05	1.71E-01	0.00E+00	8.00E-01
7.00E+02	1.15E-05	1.75E-01	0.00E+00	8.00E-01
8.00E+02	8.34E-06	1.76E-01	0.00E+00	8.00E-01
9.00E+02	6.16E-06	1.76E-01	0.00E+00	8.00E-01
1.00E+03	4.68E-06	1.77E-01	0.00E+00	8.00E-01
2.00E+03	1.50E-06	1.79E-01	0.00E+00	8.00E-01
3.00E+03	1.34E-06	1.81E-01	0.00E+00	8.00E-01
4.00E+03	1.25E-06	1.82E-01	0.00E+00	8.00E-01
5.00E+03	1.17E-06	1.83E-01	0.00E+00	8.00E-01
7.00E+03	1.02E-06	1.85E-01	0.00E+00	8.00E-01
8.00E+03	9.47E-07	1.86E-01	0.00E+00	8.00E-01
9.00E+03	8.84E-07	1.87E-01	0.00E+00	8.00E-01
1.00E+04	8.25E-07	1.88E-01	0.00E+00	8.00E-01
2.00E+04	4.12E-07	1.94E-01	0.00E+00	8.00E-01

INGESTION f1= 1.00E-01 HALFLIFE= 1.38E+02 DAYS POLONIUM 210

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	3.24E-02	9.67E-01	9.99E-01
2.00E-01	6.37E-02	9.29E-01	9.93E-01
3.00E-01	8.10E-02	8.99E-01	9.80E-01
4.00E-01	8.99E-02	8.68E-01	9.58E-01
5.00E-01	9.44E-02	8.35E-01	9.29E-01
6.00E-01	9.66E-02	7.98E-01	8.95E-01
7.00E-01	9.76E-02	7.59E-01	8.56E-01
8.00E-01	9.81E-02	7.17E-01	8.16E-01
9.00E-01	9.82E-02	6.75E-01	7.73E-01
1.00E+00	9.82E-02	6.32E-01	7.31E-01
2.00E+00	9.65E-02	2.84E-01	3.80E-01
3.00E+00	9.47E-02	1.12E-01	2.07E-01
4.00E+00	9.30E-02	4.23E-02	1.35E-01
5.00E+00	9.12E-02	1.57E-02	1.07E-01
6.00E+00	8.95E-02	5.77E-03	9.53E-02
7.00E+00	8.78E-02	2.12E-03	9.00E-02
8.00E+00	8.62E-02	7.76E-04	8.70E-02
9.00E+00	8.46E-02	2.84E-04	8.49E-02
1.00E+01	8.30E-02	1.04E-04	8.31E-02
2.00E+01	6.87E-02	0.00E+00	6.87E-02
3.00E+01	5.69E-02	0.00E+00	5.69E-02
4.00E+01	4.71E-02	0.00E+00	4.71E-02
5.00E+01	3.90E-02	0.00E+00	3.90E-02
6.00E+01	3.22E-02	0.00E+00	3.22E-02
7.00E+01	2.67E-02	0.00E+00	2.67E-02
8.00E+01	2.21E-02	0.00E+00	2.21E-02
9.00E+01	1.83E-02	0.00E+00	1.83E-02
1.00E+02	1.51E-02	0.00E+00	1.51E-02
2.00E+02	2.28E-03	0.00E+00	2.28E-03
3.00E+02	3.45E-04	0.00E+00	3.45E-04
4.00E+02	5.20E-05	0.00E+00	5.20E-05
5.00E+02	7.85E-06	0.00E+00	7.85E-06
6.00E+02	1.19E-06	0.00E+00	1.19E-06
7.00E+02	1.79E-07	0.00E+00	1.79E-07
8.00E+02	2.70E-08	0.00E+00	2.70E-08

INGESTION

f1= 1.00E-01

HALFLIFE= 1.38E+02 DAYS

POLONIUM 210

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	24-HOUR URINE	ACCUMULATED URINE	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		1.88E-06		6.18E-04
2.00E-01		8.73E-06		5.83E-03
3.00E-01		1.89E-05		1.88E-02
4.00E-01		3.08E-05		4.00E-02
5.00E-01		4.37E-05		6.82E-02
6.00E-01		5.69E-05		1.02E-01
7.00E-01		7.04E-05		1.40E-01
8.00E-01		8.40E-05		1.80E-01
9.00E-01		9.76E-05		2.22E-01
1.00E+00	1.11E-04	1.11E-04	2.64E-01	2.64E-01
2.00E+00	1.35E-04	2.46E-04	3.47E-01	6.10E-01
3.00E+00	1.33E-04	3.77E-04	1.71E-01	7.78E-01
4.00E+00	1.30E-04	5.05E-04	7.04E-02	8.44E-01
5.00E+00	1.28E-04	6.31E-04	2.76E-02	8.68E-01
6.00E+00	1.25E-04	7.53E-04	1.10E-02	8.74E-01
7.00E+00	1.23E-04	8.72E-04	4.73E-03	8.75E-01
8.00E+00	1.21E-04	9.88E-04	2.42E-03	8.73E-01
9.00E+00	1.18E-04	1.10E-03	1.55E-03	8.70E-01
1.00E+01	1.16E-04	1.21E-03	1.22E-03	8.67E-01
2.00E+01	9.62E-05	2.18E-03	8.65E-04	8.34E-01
3.00E+01	7.96E-05	2.92E-03	7.16E-04	8.01E-01
4.00E+01	6.59E-05	3.48E-03	5.93E-04	7.68E-01
5.00E+01	5.45E-05	3.89E-03	4.91E-04	7.36E-01
6.00E+01	4.51E-05	4.18E-03	4.06E-04	7.04E-01
7.00E+01	3.74E-05	4.37E-03	3.36E-04	6.73E-01
8.00E+01	3.09E-05	4.49E-03	2.78E-04	6.43E-01
9.00E+01	2.56E-05	4.54E-03	2.30E-04	6.14E-01
1.00E+02	2.12E-05	4.55E-03	1.91E-04	5.86E-01
2.00E+02	3.20E-06	3.44E-03	2.88E-05	3.61E-01
3.00E+02	4.83E-07	2.19E-03	4.34E-06	2.20E-01
4.00E+02	7.28E-08	1.34E-03	6.56E-07	1.33E-01
5.00E+02	1.10E-08	8.16E-04	9.89E-08	8.09E-02

INGESTION

f1= 2.00E-01

HALFLIFE= 1.14E+01 DAYS

RADIUM 223

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	4.20E-02	9.23E-01	9.65E-01
2.00E-01	6.80E-02	8.48E-01	9.16E-01
3.00E-01	7.82E-02	7.98E-01	8.76E-01
4.00E-01	8.10E-02	7.58E-01	8.39E-01
5.00E-01	8.05E-02	7.21E-01	8.01E-01
6.00E-01	7.84E-02	6.83E-01	7.62E-01
7.00E-01	7.58E-02	6.44E-01	7.20E-01
8.00E-01	7.30E-02	6.05E-01	6.78E-01
9.00E-01	7.03E-02	5.65E-01	6.35E-01
1.00E+00	6.76E-02	5.26E-01	5.94E-01
2.00E+00	4.72E-02	2.22E-01	2.69E-01
3.00E+00	3.49E-02	8.28E-02	1.18E-01
4.00E+00	2.70E-02	2.95E-02	5.65E-02
5.00E+00	2.14E-02	1.04E-02	3.18E-02
6.00E+00	1.73E-02	3.61E-03	2.09E-02
7.00E+00	1.41E-02	1.25E-03	1.54E-02
8.00E+00	1.16E-02	4.34E-04	1.21E-02
9.00E+00	9.68E-03	1.50E-04	9.83E-03
1.00E+01	8.10E-03	5.20E-05	8.15E-03
2.00E+01	1.98E-03	0.00E+00	1.98E-03
3.00E+01	8.20E-04	0.00E+00	8.20E-04
4.00E+01	4.16E-04	0.00E+00	4.16E-04
5.00E+01	2.22E-04	0.00E+00	2.22E-04
6.00E+01	1.19E-04	0.00E+00	1.19E-04
7.00E+01	6.41E-05	0.00E+00	6.41E-05
8.00E+01	3.45E-05	0.00E+00	3.45E-05
9.00E+01	1.86E-05	0.00E+00	1.86E-05
1.00E+02	1.00E-05	0.00E+00	1.00E-05
2.00E+02	2.08E-08	0.00E+00	2.08E-08

INGESTION

f1= 2.00E-01

HALFLIFE= 1.14E+01 DAYS

RADIUM 223

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	24-HOUR URINE	ACCUMULATED URINE	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		1.42E-03		2.76E-02
2.00E-01		3.31E-03		6.84E-02
3.00E-01		4.41E-03		1.01E-01
4.00E-01		5.00E-03		1.32E-01
5.00E-01		5.35E-03		1.63E-01
6.00E-01		5.56E-03		1.97E-01
7.00E-01		5.72E-03		2.33E-01
8.00E-01		5.84E-03		2.69E-01
9.00E-01		5.94E-03		3.06E-01
1.00E+00	6.03E-03	6.03E-03	3.42E-01	3.42E-01
2.00E+00	8.27E-04	6.50E-03	2.89E-01	6.10E-01
3.00E+00	4.73E-04	6.59E-03	1.35E-01	7.09E-01
4.00E+00	2.95E-04	6.50E-03	5.40E-02	7.22E-01
5.00E+00	2.00E-04	6.31E-03	2.12E-02	7.00E-01
6.00E+00	1.43E-04	6.09E-03	8.86E-03	6.68E-01
7.00E+00	1.07E-04	5.83E-03	4.18E-03	6.33E-01
8.00E+00	8.22E-05	5.57E-03	2.31E-03	5.98E-01
9.00E+00	6.41E-05	5.31E-03	1.48E-03	5.64E-01
1.00E+01	5.05E-05	5.05E-03	1.05E-03	5.32E-01
2.00E+01	5.18E-06	2.87E-03	9.85E-05	2.92E-01
3.00E+01	5.72E-07	1.58E-03	1.09E-05	1.60E-01
4.00E+01	7.99E-08	8.63E-04	1.52E-06	8.71E-02
5.00E+01	1.95E-08	4.71E-04	3.70E-07	4.75E-02

INGESTION

f1= 2.00E-01

HALFLIFE= 5.84E+05 DAYS

RADIUM 226

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	4.22E-02	9.29E-01	9.71E-01
2.00E-01	6.88E-02	8.59E-01	9.27E-01
3.00E-01	7.96E-02	8.13E-01	8.92E-01
4.00E-01	8.30E-02	7.77E-01	8.60E-01
5.00E-01	8.29E-02	7.43E-01	8.26E-01
6.00E-01	8.13E-02	7.08E-01	7.90E-01
7.00E-01	7.91E-02	6.72E-01	7.51E-01
8.00E-01	7.67E-02	6.35E-01	7.12E-01
9.00E-01	7.42E-02	5.97E-01	6.71E-01
1.00E+00	7.18E-02	5.59E-01	6.31E-01
2.00E+00	5.33E-02	2.51E-01	3.04E-01
3.00E+00	4.19E-02	9.93E-02	1.41E-01
4.00E+00	3.44E-02	3.76E-02	7.20E-02
5.00E+00	2.90E-02	1.40E-02	4.30E-02
6.00E+00	2.49E-02	5.19E-03	3.01E-02
7.00E+00	2.16E-02	1.91E-03	2.35E-02
8.00E+00	1.89E-02	7.04E-04	1.96E-02
9.00E+00	1.67E-02	2.59E-04	1.70E-02
1.00E+01	1.49E-02	9.54E-05	1.50E-02
2.00E+01	6.65E-03	0.00E+00	6.65E-03
3.00E+01	5.06E-03	0.00E+00	5.06E-03
4.00E+01	4.71E-03	0.00E+00	4.71E-03
5.00E+01	4.60E-03	0.00E+00	4.60E-03
6.00E+01	4.53E-03	0.00E+00	4.53E-03
7.00E+01	4.47E-03	0.00E+00	4.47E-03
8.00E+01	4.42E-03	0.00E+00	4.42E-03
9.00E+01	4.36E-03	0.00E+00	4.36E-03
1.00E+02	4.31E-03	0.00E+00	4.31E-03
2.00E+02	3.86E-03	0.00E+00	3.86E-03
3.00E+02	3.50E-03	0.00E+00	3.50E-03
4.00E+02	3.22E-03	0.00E+00	3.22E-03
5.00E+02	2.99E-03	0.00E+00	2.99E-03
6.00E+02	2.81E-03	0.00E+00	2.81E-03
7.00E+02	2.65E-03	0.00E+00	2.65E-03
8.00E+02	2.52E-03	0.00E+00	2.52E-03
9.00E+02	2.41E-03	0.00E+00	2.41E-03
1.00E+03	2.32E-03	0.00E+00	2.32E-03
2.00E+03	1.77E-03	0.00E+00	1.77E-03
3.00E+03	1.46E-03	0.00E+00	1.46E-03
4.00E+03	1.24E-03	0.00E+00	1.24E-03
5.00E+03	1.08E-03	0.00E+00	1.08E-03
7.00E+03	8.55E-04	0.00E+00	8.55E-04
8.00E+03	7.68E-04	0.00E+00	7.68E-04
9.00E+03	6.93E-04	0.00E+00	6.93E-04
1.00E+04	6.28E-04	0.00E+00	6.28E-04
2.00E+04	2.56E-04	0.00E+00	2.56E-04

INGESTION

f1= 2.00E-01

HALFLIFE= 5.84E+05 DAYS

RADIUM 226

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	24-HOUR URINE	ACCUMULATED URINE	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		1.43E-03		2.78E-02
2.00E-01		3.35E-03		6.93E-02
3.00E-01		4.49E-03		1.03E-01
4.00E-01		5.13E-03		1.35E-01
5.00E-01		5.51E-03		1.68E-01
6.00E-01		5.77E-03		2.04E-01
7.00E-01		5.97E-03		2.43E-01
8.00E-01		6.13E-03		2.82E-01
9.00E-01		6.27E-03		3.23E-01
1.00E+00	6.40E-03	6.40E-03	3.63E-01	3.63E-01
2.00E+00	9.34E-04	7.34E-03	3.26E-01	6.89E-01
3.00E+00	5.67E-04	7.90E-03	1.62E-01	8.51E-01
4.00E+00	3.77E-04	8.28E-03	6.88E-02	9.20E-01
5.00E+00	2.70E-04	8.55E-03	2.88E-02	9.48E-01
6.00E+00	2.06E-04	8.76E-03	1.28E-02	9.61E-01
7.00E+00	1.64E-04	8.92E-03	6.39E-03	9.68E-01
8.00E+00	1.34E-04	9.05E-03	3.75E-03	9.71E-01
9.00E+00	1.11E-04	9.16E-03	2.55E-03	9.74E-01
1.00E+01	9.26E-05	9.26E-03	1.92E-03	9.76E-01
2.00E+01	1.74E-05	9.67E-03	3.31E-04	9.84E-01
3.00E+01	3.53E-06	9.75E-03	6.70E-05	9.85E-01
4.00E+01	9.03E-07	9.76E-03	1.72E-05	9.85E-01
5.00E+01	4.04E-07	9.77E-03	7.67E-06	9.86E-01
6.00E+01	3.04E-07	9.77E-03	5.77E-06	9.86E-01
7.00E+01	2.79E-07	9.78E-03	5.31E-06	9.86E-01
8.00E+01	2.69E-07	9.78E-03	5.11E-06	9.86E-01
9.00E+01	2.62E-07	9.78E-03	4.98E-06	9.86E-01
1.00E+02	2.55E-07	9.78E-03	4.85E-06	9.86E-01
2.00E+02	2.00E-07	9.80E-03	3.80E-06	9.86E-01
3.00E+02	1.58E-07	9.82E-03	3.01E-06	9.86E-01
4.00E+02	1.26E-07	9.83E-03	2.40E-06	9.86E-01
5.00E+02	1.02E-07	9.84E-03	1.94E-06	9.87E-01
6.00E+02	8.38E-08	9.85E-03	1.59E-06	9.87E-01
7.00E+02	6.97E-08	9.86E-03	1.32E-06	9.87E-01
8.00E+02	5.88E-08	9.86E-03	1.12E-06	9.87E-01
9.00E+02	5.03E-08	9.87E-03	9.56E-07	9.87E-01
1.00E+03	4.37E-08	9.87E-03	8.30E-07	9.87E-01
2.00E+03	1.89E-08	9.89E-03	3.60E-07	9.86E-01
3.00E+03	1.25E-08	9.89E-03	2.37E-07	9.85E-01

INGESTION

f1= 1.00E-03

HALFLIFE= 7.95E+03 DAYS

ACTINIUM 227

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	2.96E-04	9.99E-01	9.99E-01
2.00E-01	5.88E-04	9.93E-01	9.94E-01
3.00E-01	7.53E-04	9.80E-01	9.81E-01
4.00E-01	8.38E-04	9.57E-01	9.58E-01
5.00E-01	8.81E-04	9.27E-01	9.28E-01
6.00E-01	9.01E-04	8.91E-01	8.92E-01
7.00E-01	9.09E-04	8.50E-01	8.51E-01
8.00E-01	9.11E-04	8.05E-01	8.06E-01
9.00E-01	9.11E-04	7.59E-01	7.60E-01
1.00E+00	9.10E-04	7.13E-01	7.14E-01
2.00E+00	9.01E-04	3.23E-01	3.24E-01
3.00E+00	9.00E-04	1.29E-01	1.29E-01
4.00E+00	9.00E-04	4.88E-02	4.97E-02
5.00E+00	9.00E-04	1.82E-02	1.91E-02
6.00E+00	9.00E-04	6.73E-03	7.63E-03
7.00E+00	9.00E-04	2.48E-03	3.38E-03
8.00E+00	8.99E-04	9.14E-04	1.81E-03
9.00E+00	8.99E-04	3.36E-04	1.24E-03
1.00E+01	8.99E-04	1.24E-04	1.02E-03
2.00E+01	8.98E-04	0.00E+00	8.98E-04
3.00E+01	8.97E-04	0.00E+00	8.97E-04
4.00E+01	8.96E-04	0.00E+00	8.96E-04
5.00E+01	8.95E-04	0.00E+00	8.95E-04
6.00E+01	8.94E-04	0.00E+00	8.94E-04
7.00E+01	8.93E-04	0.00E+00	8.93E-04
8.00E+01	8.92E-04	0.00E+00	8.92E-04
9.00E+01	8.91E-04	0.00E+00	8.91E-04
1.00E+02	8.90E-04	0.00E+00	8.90E-04
2.00E+02	8.79E-04	0.00E+00	8.79E-04
3.00E+02	8.68E-04	0.00E+00	8.68E-04
4.00E+02	8.58E-04	0.00E+00	8.58E-04
5.00E+02	8.48E-04	0.00E+00	8.48E-04
6.00E+02	8.38E-04	0.00E+00	8.38E-04
7.00E+02	8.28E-04	0.00E+00	8.28E-04
8.00E+02	8.18E-04	0.00E+00	8.18E-04
9.00E+02	8.08E-04	0.00E+00	8.08E-04
1.00E+03	7.98E-04	0.00E+00	7.98E-04
2.00E+03	7.08E-04	0.00E+00	7.08E-04
3.00E+03	6.28E-04	0.00E+00	6.28E-04
4.00E+03	5.57E-04	0.00E+00	5.57E-04
5.00E+03	4.94E-04	0.00E+00	4.94E-04
6.00E+03	4.39E-04	0.00E+00	4.39E-04
7.00E+03	3.90E-04	0.00E+00	3.90E-04
8.00E+03	3.46E-04	0.00E+00	3.46E-04
9.00E+03	3.07E-04	0.00E+00	3.07E-04
1.00E+04	2.73E-04	0.00E+00	2.73E-04
2.00E+04	8.43E-05	0.00E+00	8.43E-05

INGESTION

f1= 1.00E-03

HALFLIFE= 7.95E+03 DAYS

ACTINIUM 227

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		3.16E-06		6.10E-04
2.00E-01		1.37E-05		5.90E-03
3.00E-01		2.73E-05		1.93E-02
4.00E-01		4.09E-05		4.16E-02
5.00E-01		5.30E-05		7.17E-02
6.00E-01		6.31E-05		1.08E-01
7.00E-01		7.13E-05		1.49E-01
8.00E-01		7.78E-05		1.94E-01
9.00E-01		8.29E-05		2.40E-01
1.00E+00	8.68E-05	8.68E-05	2.86E-01	2.86E-01
2.00E+00	1.20E-05	9.89E-05	3.89E-01	6.76E-01
3.00E+00	7.99E-07	9.97E-05	1.95E-01	8.70E-01
4.00E+00	7.81E-08	9.97E-05	7.97E-02	9.50E-01
5.00E+00	3.29E-08	9.97E-05	3.06E-02	9.80E-01
6.00E+00	3.01E-08	9.98E-05	1.15E-02	9.92E-01
7.00E+00	2.99E-08	9.98E-05	4.25E-03	9.96E-01
8.00E+00	2.99E-08	9.98E-05	1.57E-03	9.97E-01
9.00E+00	2.99E-08	9.98E-05	5.78E-04	9.98E-01
1.00E+01	2.99E-08	9.99E-05	2.13E-04	9.98E-01
2.00E+01	2.98E-08	1.00E-04	0.00E+00	9.97E-01
3.00E+01	2.98E-08	1.00E-04	0.00E+00	9.96E-01
4.00E+01	2.98E-08	1.00E-04	0.00E+00	9.96E-01
5.00E+01	2.97E-08	1.01E-04	0.00E+00	9.95E-01
6.00E+01	2.97E-08	1.01E-04	0.00E+00	9.94E-01
7.00E+01	2.96E-08	1.01E-04	0.00E+00	9.93E-01
8.00E+01	2.96E-08	1.01E-04	0.00E+00	9.92E-01
9.00E+01	2.96E-08	1.02E-04	0.00E+00	9.91E-01
1.00E+02	2.95E-08	1.02E-04	0.00E+00	9.90E-01
2.00E+02	2.92E-08	1.04E-04	0.00E+00	9.82E-01
3.00E+02	2.88E-08	1.06E-04	0.00E+00	9.73E-01
4.00E+02	2.84E-08	1.08E-04	0.00E+00	9.65E-01
5.00E+02	2.81E-08	1.10E-04	0.00E+00	9.56E-01
6.00E+02	2.77E-08	1.11E-04	0.00E+00	9.48E-01
7.00E+02	2.74E-08	1.13E-04	0.00E+00	9.40E-01
8.00E+02	2.70E-08	1.15E-04	0.00E+00	9.32E-01
9.00E+02	2.67E-08	1.17E-04	0.00E+00	9.24E-01
1.00E+03	2.64E-08	1.18E-04	0.00E+00	9.16E-01
2.00E+03	2.32E-08	1.32E-04	0.00E+00	8.39E-01
3.00E+03	2.05E-08	1.42E-04	0.00E+00	7.69E-01
4.00E+03	1.81E-08	1.48E-04	0.00E+00	7.05E-01
5.00E+03	1.59E-08	1.52E-04	0.00E+00	6.46E-01
6.00E+03	1.40E-08	1.54E-04	0.00E+00	5.92E-01
7.00E+03	1.24E-08	1.54E-04	0.00E+00	5.43E-01
8.00E+03	1.09E-08	1.52E-04	0.00E+00	4.97E-01

INGESTION

f1= 2.00E-04

HALFLIFE= 1.87E+01 DAYS

THORIUM 227

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	5.92E-05	9.96E-01	9.96E-01
2.00E-01	1.18E-04	9.87E-01	9.87E-01
3.00E-01	1.51E-04	9.70E-01	9.70E-01
4.00E-01	1.68E-04	9.44E-01	9.44E-01
5.00E-01	1.77E-04	9.11E-01	9.11E-01
6.00E-01	1.80E-04	8.72E-01	8.72E-01
7.00E-01	1.82E-04	8.29E-01	8.29E-01
8.00E-01	1.81E-04	7.83E-01	7.83E-01
9.00E-01	1.81E-04	7.35E-01	7.35E-01
1.00E+00	1.79E-04	6.87E-01	6.88E-01
2.00E+00	1.69E-04	3.00E-01	3.01E-01
3.00E+00	1.61E-04	1.15E-01	1.15E-01
4.00E+00	1.55E-04	4.22E-02	4.23E-02
5.00E+00	1.49E-04	1.51E-02	1.53E-02
6.00E+00	1.44E-04	5.40E-03	5.54E-03
7.00E+00	1.39E-04	1.92E-03	2.06E-03
8.00E+00	1.34E-04	6.81E-04	8.14E-04
9.00E+00	1.29E-04	2.41E-04	3.70E-04
1.00E+01	1.24E-04	8.56E-05	2.10E-04
2.00E+01	8.53E-05	0.00E+00	8.53E-05
3.00E+01	5.88E-05	0.00E+00	5.88E-05
4.00E+01	4.05E-05	0.00E+00	4.05E-05
5.00E+01	2.79E-05	0.00E+00	2.79E-05
6.00E+01	1.92E-05	0.00E+00	1.92E-05
7.00E+01	1.32E-05	0.00E+00	1.32E-05
8.00E+01	9.10E-06	0.00E+00	9.10E-06
9.00E+01	6.27E-06	0.00E+00	6.27E-06
1.00E+02	4.32E-06	0.00E+00	4.32E-06
2.00E+02	1.04E-07	0.00E+00	1.04E-07

INGESTION

f1= 2.00E-04

HALFLIFE= 1.87E+01 DAYS

THORIUM 227

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		3.29E-07		6.07E-04
2.00E-01		1.48E-06		5.86E-03
3.00E-01		3.08E-06		1.91E-02
4.00E-01		4.81E-06		4.10E-02
5.00E-01		6.49E-06		7.05E-02
6.00E-01		8.04E-06		1.06E-01
7.00E-01		9.44E-06		1.46E-01
8.00E-01		1.07E-05		1.88E-01
9.00E-01		1.17E-05		2.32E-01
1.00E+00	1.27E-05	1.27E-05	2.76E-01	2.76E-01
2.00E+00	4.84E-06	1.71E-05	3.62E-01	6.28E-01
3.00E+00	1.20E-06	1.76E-05	1.74E-01	7.80E-01
4.00E+00	3.24E-07	1.73E-05	6.88E-02	8.20E-01
5.00E+00	1.10E-07	1.68E-05	2.55E-02	8.16E-01
6.00E+00	5.75E-08	1.62E-05	9.19E-03	7.95E-01
7.00E+00	4.36E-08	1.57E-05	3.28E-03	7.70E-01
8.00E+00	3.92E-08	1.52E-05	1.17E-03	7.43E-01
9.00E+00	3.71E-08	1.47E-05	4.15E-04	7.16E-01
1.00E+01	3.55E-08	1.42E-05	1.47E-04	6.90E-01
2.00E+01	2.43E-08	1.00E-05	0.00E+00	4.77E-01
3.00E+01	1.67E-08	7.09E-06	0.00E+00	3.29E-01
4.00E+01	1.14E-08	5.01E-06	0.00E+00	2.27E-01

INGESTION

f1= 2.00E-04

HALFLIFE= 2.81E+07 DAYS

THORIUM 230

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	5.94E-05	9.99E-01	9.99E-01
2.00E-01	1.19E-04	9.94E-01	9.94E-01
3.00E-01	1.53E-04	9.80E-01	9.81E-01
4.00E-01	1.71E-04	9.58E-01	9.58E-01
5.00E-01	1.80E-04	9.28E-01	9.28E-01
6.00E-01	1.84E-04	8.92E-01	8.92E-01
7.00E-01	1.86E-04	8.50E-01	8.51E-01
8.00E-01	1.87E-04	8.06E-01	8.06E-01
9.00E-01	1.87E-04	7.60E-01	7.60E-01
1.00E+00	1.86E-04	7.13E-01	7.13E-01
2.00E+00	1.82E-04	3.24E-01	3.24E-01
3.00E+00	1.80E-04	1.29E-01	1.29E-01
4.00E+00	1.80E-04	4.89E-02	4.91E-02
5.00E+00	1.80E-04	1.82E-02	1.84E-02
6.00E+00	1.80E-04	6.74E-03	6.92E-03
7.00E+00	1.80E-04	2.49E-03	2.67E-03
8.00E+00	1.80E-04	9.16E-04	1.10E-03
9.00E+00	1.80E-04	3.37E-04	5.17E-04
1.00E+01	1.79E-04	1.24E-04	3.03E-04
2.00E+01	1.79E-04	0.00E+00	1.79E-04
3.00E+01	1.78E-04	0.00E+00	1.78E-04
4.00E+01	1.78E-04	0.00E+00	1.78E-04
5.00E+01	1.77E-04	0.00E+00	1.77E-04
6.00E+01	1.77E-04	0.00E+00	1.77E-04
7.00E+01	1.76E-04	0.00E+00	1.76E-04
8.00E+01	1.76E-04	0.00E+00	1.76E-04
9.00E+01	1.76E-04	0.00E+00	1.76E-04
1.00E+02	1.75E-04	0.00E+00	1.75E-04
2.00E+02	1.70E-04	0.00E+00	1.70E-04
3.00E+02	1.66E-04	0.00E+00	1.66E-04
4.00E+02	1.62E-04	0.00E+00	1.62E-04
5.00E+02	1.58E-04	0.00E+00	1.58E-04
6.00E+02	1.55E-04	0.00E+00	1.55E-04
7.00E+02	1.52E-04	0.00E+00	1.52E-04
8.00E+02	1.49E-04	0.00E+00	1.49E-04
9.00E+02	1.46E-04	0.00E+00	1.46E-04
1.00E+03	1.43E-04	0.00E+00	1.43E-04
2.00E+03	1.23E-04	0.00E+00	1.23E-04
3.00E+03	1.10E-04	0.00E+00	1.10E-04
4.00E+03	9.98E-05	0.00E+00	9.98E-05
5.00E+03	9.11E-05	0.00E+00	9.11E-05
6.00E+03	8.33E-05	0.00E+00	8.33E-05
7.00E+03	7.64E-05	0.00E+00	7.64E-05
8.00E+03	7.00E-05	0.00E+00	7.00E-05
9.00E+03	6.42E-05	0.00E+00	6.42E-05
1.00E+04	5.89E-05	0.00E+00	5.89E-05
2.00E+04	2.47E-05	0.00E+00	2.47E-05

INGESTION

f1= 2.00E-04

HALFLIFE= 2.81E+07 DAYS

THORIUM 230

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		3.30E-07		6.10E-04
2.00E-01		1.49E-06		5.90E-03
3.00E-01		3.12E-06		1.94E-02
4.00E-01		4.88E-06		4.16E-02
5.00E-01		6.61E-06		7.18E-02
6.00E-01		8.22E-06		1.08E-01
7.00E-01		9.68E-06		1.49E-01
8.00E-01		1.10E-05		1.94E-01
9.00E-01		1.21E-05		2.40E-01
1.00E+00	1.32E-05	1.32E-05	2.87E-01	2.87E-01
2.00E+00	5.21E-06	1.84E-05	3.90E-01	6.76E-01
3.00E+00	1.35E-06	1.97E-05	1.95E-01	8.71E-01
4.00E+00	3.75E-07	2.01E-05	7.98E-02	9.51E-01
5.00E+00	1.33E-07	2.02E-05	3.07E-02	9.82E-01
6.00E+00	7.18E-08	2.03E-05	1.15E-02	9.93E-01
7.00E+00	5.65E-08	2.03E-05	4.26E-03	9.97E-01
8.00E+00	5.27E-08	2.04E-05	1.57E-03	9.99E-01
9.00E+00	5.17E-08	2.05E-05	5.79E-04	9.99E-01
1.00E+01	5.14E-08	2.05E-05	2.13E-04	1.00E+00
2.00E+01	5.10E-08	2.10E-05	1.02E-08	1.00E+00
3.00E+01	5.06E-08	2.15E-05	0.00E+00	1.00E+00
4.00E+01	5.02E-08	2.20E-05	0.00E+00	1.00E+00
5.00E+01	4.98E-08	2.25E-05	0.00E+00	1.00E+00
6.00E+01	4.94E-08	2.30E-05	0.00E+00	1.00E+00
7.00E+01	4.90E-08	2.35E-05	0.00E+00	1.00E+00
8.00E+01	4.87E-08	2.40E-05	0.00E+00	1.00E+00
9.00E+01	4.83E-08	2.45E-05	0.00E+00	1.00E+00
1.00E+02	4.79E-08	2.50E-05	0.00E+00	1.00E+00
2.00E+02	4.44E-08	2.96E-05	0.00E+00	1.00E+00
3.00E+02	4.13E-08	3.39E-05	0.00E+00	1.00E+00
4.00E+02	3.84E-08	3.78E-05	0.00E+00	1.00E+00
5.00E+02	3.58E-08	4.15E-05	0.00E+00	1.00E+00
6.00E+02	3.34E-08	4.50E-05	0.00E+00	1.00E+00
7.00E+02	3.12E-08	4.82E-05	0.00E+00	1.00E+00
8.00E+02	2.93E-08	5.12E-05	0.00E+00	1.00E+00
9.00E+02	2.75E-08	5.41E-05	0.00E+00	1.00E+00
1.00E+03	2.58E-08	5.67E-05	0.00E+00	1.00E+00
2.00E+03	1.57E-08	7.67E-05	0.00E+00	1.00E+00
3.00E+03	1.14E-08	9.00E-05	0.00E+00	1.00E+00

INGESTION

f1= 2.00E-04

HALFLIFE= 5.13E+12 DAYS

THORIUM 232

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	5.94E-05	9.99E-01	9.99E-01
2.00E-01	1.19E-04	9.94E-01	9.94E-01
3.00E-01	1.53E-04	9.80E-01	9.81E-01
4.00E-01	1.71E-04	9.58E-01	9.58E-01
5.00E-01	1.80E-04	9.28E-01	9.28E-01
6.00E-01	1.84E-04	8.92E-01	8.92E-01
7.00E-01	1.86E-04	8.50E-01	8.51E-01
8.00E-01	1.87E-04	8.06E-01	8.06E-01
9.00E-01	1.87E-04	7.60E-01	7.60E-01
1.00E+00	1.86E-04	7.13E-01	7.13E-01
2.00E+00	1.82E-04	3.24E-01	3.24E-01
3.00E+00	1.80E-04	1.29E-01	1.29E-01
4.00E+00	1.80E-04	4.89E-02	4.91E-02
5.00E+00	1.80E-04	1.82E-02	1.84E-02
6.00E+00	1.80E-04	6.74E-03	6.92E-03
7.00E+00	1.80E-04	2.49E-03	2.67E-03
8.00E+00	1.80E-04	9.16E-04	1.10E-03
9.00E+00	1.80E-04	3.37E-04	5.17E-04
1.00E+01	1.79E-04	1.24E-04	3.03E-04
2.00E+01	1.79E-04	0.00E+00	1.79E-04
3.00E+01	1.78E-04	0.00E+00	1.78E-04
4.00E+01	1.78E-04	0.00E+00	1.78E-04
5.00E+01	1.77E-04	0.00E+00	1.77E-04
6.00E+01	1.77E-04	0.00E+00	1.77E-04
7.00E+01	1.76E-04	0.00E+00	1.76E-04
8.00E+01	1.76E-04	0.00E+00	1.76E-04
9.00E+01	1.76E-04	0.00E+00	1.76E-04
1.00E+02	1.75E-04	0.00E+00	1.75E-04
2.00E+02	1.70E-04	0.00E+00	1.70E-04
3.00E+02	1.66E-04	0.00E+00	1.66E-04
4.00E+02	1.62E-04	0.00E+00	1.62E-04
5.00E+02	1.58E-04	0.00E+00	1.58E-04
6.00E+02	1.55E-04	0.00E+00	1.55E-04
7.00E+02	1.52E-04	0.00E+00	1.52E-04
8.00E+02	1.49E-04	0.00E+00	1.49E-04
9.00E+02	1.46E-04	0.00E+00	1.46E-04
1.00E+03	1.43E-04	0.00E+00	1.43E-04
2.00E+03	1.23E-04	0.00E+00	1.23E-04
3.00E+03	1.10E-04	0.00E+00	1.10E-04
4.00E+03	9.98E-05	0.00E+00	9.98E-05
5.00E+03	9.11E-05	0.00E+00	9.11E-05
6.00E+03	8.34E-05	0.00E+00	8.34E-05
7.00E+03	7.64E-05	0.00E+00	7.64E-05
8.00E+03	7.00E-05	0.00E+00	7.00E-05
9.00E+03	6.42E-05	0.00E+00	6.42E-05
1.00E+04	5.89E-05	0.00E+00	5.89E-05
2.00E+04	2.48E-05	0.00E+00	2.48E-05

INGESTION

f1= 2.00E-04

HALFLIFE= 5.13E+12 DAYS

THORIUM 232

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		3.30E-07		6.10E-04
2.00E-01		1.49E-06		5.90E-03
3.00E-01		3.12E-06		1.94E-02
4.00E-01		4.88E-06		4.16E-02
5.00E-01		6.61E-06		7.18E-02
6.00E-01		8.22E-06		1.08E-01
7.00E-01		9.68E-06		1.49E-01
8.00E-01		1.10E-05		1.94E-01
9.00E-01		1.21E-05		2.40E-01
1.00E+00	1.32E-05	1.32E-05	2.87E-01	2.87E-01
2.00E+00	5.21E-06	1.84E-05	3.90E-01	6.76E-01
3.00E+00	1.35E-06	1.97E-05	1.95E-01	8.71E-01
4.00E+00	3.75E-07	2.01E-05	7.98E-02	9.51E-01
5.00E+00	1.33E-07	2.02E-05	3.07E-02	9.82E-01
6.00E+00	7.18E-08	2.03E-05	1.15E-02	9.93E-01
7.00E+00	5.65E-08	2.03E-05	4.26E-03	9.97E-01
8.00E+00	5.27E-08	2.04E-05	1.57E-03	9.99E-01
9.00E+00	5.17E-08	2.05E-05	5.79E-04	9.99E-01
1.00E+01	5.14E-08	2.05E-05	2.13E-04	1.00E+00
2.00E+01	5.10E-08	2.10E-05	1.02E-08	1.00E+00
3.00E+01	5.06E-08	2.15E-05	0.00E+00	1.00E+00
4.00E+01	5.02E-08	2.20E-05	0.00E+00	1.00E+00
5.00E+01	4.98E-08	2.25E-05	0.00E+00	1.00E+00
6.00E+01	4.94E-08	2.30E-05	0.00E+00	1.00E+00
7.00E+01	4.90E-08	2.35E-05	0.00E+00	1.00E+00
8.00E+01	4.87E-08	2.40E-05	0.00E+00	1.00E+00
9.00E+01	4.83E-08	2.45E-05	0.00E+00	1.00E+00
1.00E+02	4.79E-08	2.50E-05	0.00E+00	1.00E+00
2.00E+02	4.44E-08	2.96E-05	0.00E+00	1.00E+00
3.00E+02	4.13E-08	3.39E-05	0.00E+00	1.00E+00
4.00E+02	3.84E-08	3.78E-05	0.00E+00	1.00E+00
5.00E+02	3.58E-08	4.15E-05	0.00E+00	1.00E+00
6.00E+02	3.34E-08	4.50E-05	0.00E+00	1.00E+00
7.00E+02	3.12E-08	4.82E-05	0.00E+00	1.00E+00
8.00E+02	2.93E-08	5.13E-05	0.00E+00	1.00E+00
9.00E+02	2.75E-08	5.41E-05	0.00E+00	1.00E+00
1.00E+03	2.58E-08	5.67E-05	0.00E+00	1.00E+00
2.00E+03	1.57E-08	7.67E-05	0.00E+00	1.00E+00
3.00E+03	1.14E-08	9.00E-05	0.00E+00	1.00E+00

INGESTION

f1= 2.00E-04

HALFLIFE= 2.41E+01 DAYS

THORIUM 234

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	5.92E-05	9.96E-01	9.97E-01
2.00E-01	1.18E-04	9.88E-01	9.88E-01
3.00E-01	1.52E-04	9.72E-01	9.72E-01
4.00E-01	1.69E-04	9.47E-01	9.47E-01
5.00E-01	1.78E-04	9.15E-01	9.15E-01
6.00E-01	1.81E-04	8.76E-01	8.76E-01
7.00E-01	1.83E-04	8.33E-01	8.34E-01
8.00E-01	1.83E-04	7.88E-01	7.88E-01
9.00E-01	1.82E-04	7.41E-01	7.41E-01
1.00E+00	1.81E-04	6.93E-01	6.93E-01
2.00E+00	1.71E-04	3.06E-01	3.06E-01
3.00E+00	1.65E-04	1.18E-01	1.18E-01
4.00E+00	1.60E-04	4.36E-02	4.37E-02
5.00E+00	1.56E-04	1.58E-02	1.59E-02
6.00E+00	1.51E-04	5.67E-03	5.82E-03
7.00E+00	1.47E-04	2.03E-03	2.18E-03
8.00E+00	1.43E-04	7.27E-04	8.70E-04
9.00E+00	1.39E-04	2.60E-04	3.99E-04
1.00E+01	1.35E-04	9.30E-05	2.28E-04
2.00E+01	1.01E-04	0.00E+00	1.01E-04
3.00E+01	7.53E-05	0.00E+00	7.53E-05
4.00E+01	5.63E-05	0.00E+00	5.63E-05
5.00E+01	4.21E-05	0.00E+00	4.21E-05
6.00E+01	3.15E-05	0.00E+00	3.15E-05
7.00E+01	2.36E-05	0.00E+00	2.36E-05
8.00E+01	1.76E-05	0.00E+00	1.76E-05
9.00E+01	1.32E-05	0.00E+00	1.32E-05
1.00E+02	9.86E-06	0.00E+00	9.86E-06
2.00E+02	5.41E-07	0.00E+00	5.41E-07
3.00E+02	2.97E-08	0.00E+00	2.97E-08

INGESTION

f1= 2.00E-04

HALFLIFE= 2.41E+01 DAYS

THORIUM 234

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		3.29E-07		6.08E-04
2.00E-01		1.48E-06		5.87E-03
3.00E-01		3.09E-06		1.92E-02
4.00E-01		4.83E-06		4.11E-02
5.00E-01		6.52E-06		7.07E-02
6.00E-01		8.08E-06		1.06E-01
7.00E-01		9.49E-06		1.46E-01
8.00E-01		1.07E-05		1.89E-01
9.00E-01		1.18E-05		2.34E-01
1.00E+00	1.28E-05	1.28E-05	2.78E-01	2.78E-01
2.00E+00	4.92E-06	1.73E-05	3.68E-01	6.38E-01
3.00E+00	1.23E-06	1.81E-05	1.79E-01	7.99E-01
4.00E+00	3.35E-07	1.79E-05	7.12E-02	8.48E-01
5.00E+00	1.15E-07	1.75E-05	2.66E-02	8.50E-01
6.00E+00	6.04E-08	1.71E-05	9.66E-03	8.36E-01
7.00E+00	4.62E-08	1.66E-05	3.48E-03	8.15E-01
8.00E+00	4.19E-08	1.62E-05	1.25E-03	7.94E-01
9.00E+00	3.99E-08	1.58E-05	4.47E-04	7.72E-01
1.00E+01	3.86E-08	1.54E-05	1.60E-04	7.50E-01
2.00E+01	2.87E-08	1.18E-05	0.00E+00	5.62E-01
3.00E+01	2.13E-08	9.08E-06	0.00E+00	4.22E-01
4.00E+01	1.59E-08	6.97E-06	0.00E+00	3.16E-01
5.00E+01	1.18E-08	5.35E-06	0.00E+00	2.37E-01

INGESTION f1= 1.00E-03 HALFLIFE= 1.20E+07 DAYS PROTACTINIUM 231

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	2.85E-04	9.99E-01	9.99E-01
2.00E-01	5.42E-04	9.93E-01	9.94E-01
3.00E-01	6.61E-04	9.80E-01	9.81E-01
4.00E-01	7.01E-04	9.58E-01	9.58E-01
5.00E-01	7.03E-04	9.27E-01	9.28E-01
6.00E-01	6.88E-04	8.91E-01	8.92E-01
7.00E-01	6.69E-04	8.50E-01	8.50E-01
8.00E-01	6.49E-04	8.05E-01	8.06E-01
9.00E-01	6.31E-04	7.59E-01	7.60E-01
1.00E+00	6.16E-04	7.13E-01	7.13E-01
2.00E+00	5.60E-04	3.23E-01	3.24E-01
3.00E+00	5.49E-04	1.29E-01	1.29E-01
4.00E+00	5.42E-04	4.88E-02	4.94E-02
5.00E+00	5.36E-04	1.82E-02	1.87E-02
6.00E+00	5.30E-04	6.74E-03	7.27E-03
7.00E+00	5.24E-04	2.48E-03	3.01E-03
8.00E+00	5.19E-04	9.15E-04	1.43E-03
9.00E+00	5.14E-04	3.37E-04	8.51E-04
1.00E+01	5.10E-04	1.24E-04	6.34E-04
2.00E+01	4.76E-04	0.00E+00	4.76E-04
3.00E+01	4.57E-04	0.00E+00	4.57E-04
4.00E+01	4.45E-04	0.00E+00	4.45E-04
5.00E+01	4.37E-04	0.00E+00	4.37E-04
6.00E+01	4.32E-04	0.00E+00	4.32E-04
7.00E+01	4.27E-04	0.00E+00	4.27E-04
8.00E+01	4.24E-04	0.00E+00	4.24E-04
9.00E+01	4.21E-04	0.00E+00	4.21E-04
1.00E+02	4.19E-04	0.00E+00	4.19E-04
2.00E+02	4.04E-04	0.00E+00	4.04E-04
3.00E+02	4.00E-04	0.00E+00	4.00E-04
4.00E+02	3.98E-04	0.00E+00	3.98E-04
5.00E+02	3.96E-04	0.00E+00	3.96E-04
6.00E+02	3.96E-04	0.00E+00	3.96E-04
7.00E+02	3.95E-04	0.00E+00	3.95E-04
8.00E+02	3.94E-04	0.00E+00	3.94E-04
9.00E+02	3.93E-04	0.00E+00	3.93E-04
1.00E+03	3.92E-04	0.00E+00	3.92E-04
2.00E+03	3.85E-04	0.00E+00	3.85E-04
3.00E+03	3.78E-04	0.00E+00	3.78E-04
4.00E+03	3.71E-04	0.00E+00	3.71E-04
5.00E+03	3.64E-04	0.00E+00	3.64E-04
6.00E+03	3.57E-04	0.00E+00	3.57E-04
7.00E+03	3.50E-04	0.00E+00	3.50E-04
8.00E+03	3.43E-04	0.00E+00	3.43E-04
9.00E+03	3.37E-04	0.00E+00	3.37E-04
1.00E+04	3.31E-04	0.00E+00	3.31E-04
2.00E+04	2.73E-04	0.00E+00	2.73E-04

INGESTION $f_1 = 1.00E-03$ HALFLIFE= $1.20E+07$ DAYS PROTACTINIUM 231

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		1.37E-05		6.10E-04
2.00E-01		5.96E-05		5.90E-03
3.00E-01		1.19E-04		1.93E-02
4.00E-01		1.78E-04		4.16E-02
5.00E-01		2.31E-04		7.17E-02
6.00E-01		2.75E-04		1.08E-01
7.00E-01		3.12E-04		1.49E-01
8.00E-01		3.40E-04		1.94E-01
9.00E-01		3.63E-04		2.40E-01
1.00E+00	3.81E-04	3.81E-04	2.86E-01	2.86E-01
2.00E+00	5.94E-05	4.40E-04	3.89E-01	6.76E-01
3.00E+00	1.05E-05	4.51E-04	1.95E-01	8.70E-01
4.00E+00	6.91E-06	4.58E-04	7.98E-02	9.50E-01
5.00E+00	6.31E-06	4.64E-04	3.06E-02	9.81E-01
6.00E+00	5.91E-06	4.70E-04	1.15E-02	9.92E-01
7.00E+00	5.55E-06	4.76E-04	4.25E-03	9.97E-01
8.00E+00	5.22E-06	4.81E-04	1.57E-03	9.98E-01
9.00E+00	4.90E-06	4.86E-04	5.78E-04	9.99E-01
1.00E+01	4.61E-06	4.90E-04	2.13E-04	9.99E-01
2.00E+01	2.56E-06	5.24E-04	0.00E+00	9.99E-01
3.00E+01	1.50E-06	5.43E-04	0.00E+00	9.99E-01
4.00E+01	9.52E-07	5.55E-04	0.00E+00	9.99E-01
5.00E+01	6.55E-07	5.63E-04	0.00E+00	9.99E-01
6.00E+01	4.87E-07	5.68E-04	0.00E+00	9.99E-01
7.00E+01	3.86E-07	5.73E-04	0.00E+00	9.99E-01
8.00E+01	3.21E-07	5.76E-04	0.00E+00	9.99E-01
9.00E+01	2.74E-07	5.79E-04	0.00E+00	9.99E-01
1.00E+02	2.39E-07	5.81E-04	0.00E+00	9.99E-01
2.00E+02	7.77E-08	5.95E-04	0.00E+00	9.99E-01
3.00E+02	2.95E-08	6.00E-04	0.00E+00	9.99E-01
4.00E+02	1.44E-08	6.02E-04	0.00E+00	9.99E-01

INGESTION

f1= 5.00E-02

HALFLIFE= 5.79E+07 DAYS

URANIUM 233

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	1.48E-02	9.84E-01	9.99E-01
2.00E-01	2.76E-02	9.63E-01	9.91E-01
3.00E-01	3.31E-02	9.41E-01	9.74E-01
4.00E-01	3.44E-02	9.15E-01	9.49E-01
5.00E-01	3.38E-02	8.83E-01	9.17E-01
6.00E-01	3.24E-02	8.46E-01	8.79E-01
7.00E-01	3.07E-02	8.06E-01	8.37E-01
8.00E-01	2.91E-02	7.63E-01	7.92E-01
9.00E-01	2.77E-02	7.19E-01	7.47E-01
1.00E+00	2.65E-02	6.74E-01	7.01E-01
2.00E+00	2.08E-02	3.05E-01	3.26E-01
3.00E+00	1.90E-02	1.21E-01	1.40E-01
4.00E+00	1.77E-02	4.60E-02	6.37E-02
5.00E+00	1.66E-02	1.71E-02	3.37E-02
6.00E+00	1.55E-02	6.34E-03	2.19E-02
7.00E+00	1.46E-02	2.34E-03	1.69E-02
8.00E+00	1.37E-02	8.61E-04	1.46E-02
9.00E+00	1.29E-02	3.17E-04	1.32E-02
1.00E+01	1.22E-02	1.17E-04	1.23E-02
2.00E+01	7.45E-03	0.00E+00	7.45E-03
3.00E+01	5.14E-03	0.00E+00	5.14E-03
4.00E+01	3.83E-03	0.00E+00	3.83E-03
5.00E+01	3.01E-03	0.00E+00	3.01E-03
6.00E+01	2.46E-03	0.00E+00	2.46E-03
7.00E+01	2.08E-03	0.00E+00	2.08E-03
8.00E+01	1.82E-03	0.00E+00	1.82E-03
9.00E+01	1.63E-03	0.00E+00	1.63E-03
1.00E+02	1.50E-03	0.00E+00	1.50E-03
2.00E+02	1.18E-03	0.00E+00	1.18E-03
3.00E+02	1.15E-03	0.00E+00	1.15E-03
4.00E+02	1.13E-03	0.00E+00	1.13E-03
5.00E+02	1.11E-03	0.00E+00	1.11E-03
6.00E+02	1.10E-03	0.00E+00	1.10E-03
7.00E+02	1.08E-03	0.00E+00	1.08E-03
8.00E+02	1.07E-03	0.00E+00	1.07E-03
9.00E+02	1.05E-03	0.00E+00	1.05E-03
1.00E+03	1.03E-03	0.00E+00	1.03E-03
2.00E+03	8.92E-04	0.00E+00	8.92E-04
3.00E+03	7.72E-04	0.00E+00	7.72E-04
4.00E+03	6.69E-04	0.00E+00	6.69E-04
5.00E+03	5.80E-04	0.00E+00	5.80E-04
6.00E+03	5.04E-04	0.00E+00	5.04E-04
7.00E+03	4.38E-04	0.00E+00	4.38E-04
8.00E+03	3.81E-04	0.00E+00	3.81E-04
9.00E+03	3.31E-04	0.00E+00	3.31E-04
1.00E+04	2.88E-04	0.00E+00	2.88E-04
2.00E+04	7.19E-05	0.00E+00	7.19E-05

INGESTION

f1= 5.00E-02

HALFLIFE= 5.79E+07 DAYS

URANIUM 233

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		7.60E-04		6.06E-04
2.00E-01		3.32E-03		5.83E-03
3.00E-01		6.71E-03		1.90E-02
4.00E-01		1.02E-02		4.07E-02
5.00E-01		1.33E-02		6.99E-02
6.00E-01		1.61E-02		1.05E-01
7.00E-01		1.85E-02		1.45E-01
8.00E-01		2.04E-02		1.87E-01
9.00E-01		2.20E-02		2.31E-01
1.00E+00	2.34E-02	2.34E-02	2.76E-01	2.76E-01
2.00E+00	5.77E-03	2.92E-02	3.69E-01	6.45E-01
3.00E+00	1.83E-03	3.10E-02	1.84E-01	8.29E-01
4.00E+00	1.30E-03	3.23E-02	7.52E-02	9.04E-01
5.00E+00	1.15E-03	3.34E-02	2.89E-02	9.33E-01
6.00E+00	1.04E-03	3.45E-02	1.08E-02	9.44E-01
7.00E+00	9.49E-04	3.54E-02	4.00E-03	9.48E-01
8.00E+00	8.66E-04	3.63E-02	1.48E-03	9.49E-01
9.00E+00	7.92E-04	3.71E-02	5.44E-04	9.50E-01
1.00E+01	7.25E-04	3.78E-02	2.00E-04	9.50E-01
2.00E+01	3.27E-04	4.25E-02	0.00E+00	9.50E-01
3.00E+01	1.73E-04	4.49E-02	0.00E+00	9.50E-01
4.00E+01	1.04E-04	4.62E-02	0.00E+00	9.50E-01
5.00E+01	6.76E-05	4.70E-02	0.00E+00	9.50E-01
6.00E+01	4.61E-05	4.75E-02	0.00E+00	9.50E-01
7.00E+01	3.20E-05	4.79E-02	0.00E+00	9.50E-01
8.00E+01	2.25E-05	4.82E-02	0.00E+00	9.50E-01
9.00E+01	1.59E-05	4.84E-02	0.00E+00	9.50E-01
1.00E+02	1.13E-05	4.85E-02	0.00E+00	9.50E-01
2.00E+02	5.24E-07	4.88E-02	0.00E+00	9.50E-01
3.00E+02	1.85E-07	4.89E-02	0.00E+00	9.50E-01
4.00E+02	1.71E-07	4.89E-02	0.00E+00	9.50E-01
5.00E+02	1.68E-07	4.89E-02	0.00E+00	9.50E-01
6.00E+02	1.65E-07	4.89E-02	0.00E+00	9.50E-01
7.00E+02	1.62E-07	4.89E-02	0.00E+00	9.50E-01
8.00E+02	1.59E-07	4.89E-02	0.00E+00	9.50E-01
9.00E+02	1.57E-07	4.89E-02	0.00E+00	9.50E-01
1.00E+03	1.54E-07	4.90E-02	0.00E+00	9.50E-01
2.00E+03	1.30E-07	4.91E-02	0.00E+00	9.50E-01
3.00E+03	1.11E-07	4.92E-02	0.00E+00	9.50E-01
4.00E+03	9.53E-08	4.93E-02	0.00E+00	9.50E-01
5.00E+03	8.21E-08	4.94E-02	0.00E+00	9.50E-01
7.00E+03	6.14E-08	4.96E-02	0.00E+00	9.50E-01
8.00E+03	5.32E-08	4.96E-02	0.00E+00	9.50E-01
9.00E+03	4.62E-08	4.97E-02	0.00E+00	9.50E-01
1.00E+04	4.01E-08	4.97E-02	0.00E+00	9.50E-01

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	1.48E-02	9.84E-01	9.99E-01
2.00E-01	2.76E-02	9.63E-01	9.91E-01
3.00E-01	3.31E-02	9.41E-01	9.74E-01
4.00E-01	3.44E-02	9.15E-01	9.49E-01
5.00E-01	3.38E-02	8.83E-01	9.17E-01
6.00E-01	3.24E-02	8.46E-01	8.79E-01
7.00E-01	3.07E-02	8.06E-01	8.37E-01
8.00E-01	2.91E-02	7.63E-01	7.92E-01
9.00E-01	2.77E-02	7.19E-01	7.47E-01
1.00E+00	2.65E-02	6.74E-01	7.01E-01
2.00E+00	2.08E-02	3.05E-01	3.26E-01
3.00E+00	1.90E-02	1.21E-01	1.40E-01
4.00E+00	1.77E-02	4.60E-02	6.37E-02
5.00E+00	1.66E-02	1.71E-02	3.37E-02
6.00E+00	1.55E-02	6.34E-03	2.19E-02
7.00E+00	1.46E-02	2.34E-03	1.69E-02
8.00E+00	1.37E-02	8.61E-04	1.46E-02
9.00E+00	1.29E-02	3.17E-04	1.32E-02
1.00E+01	1.22E-02	1.17E-04	1.23E-02
2.00E+01	7.45E-03	0.00E+00	7.45E-03
3.00E+01	5.14E-03	0.00E+00	5.14E-03
4.00E+01	3.83E-03	0.00E+00	3.83E-03
5.00E+01	3.01E-03	0.00E+00	3.01E-03
6.00E+01	2.46E-03	0.00E+00	2.46E-03
7.00E+01	2.08E-03	0.00E+00	2.08E-03
8.00E+01	1.82E-03	0.00E+00	1.82E-03
9.00E+01	1.63E-03	0.00E+00	1.63E-03
1.00E+02	1.50E-03	0.00E+00	1.50E-03
2.00E+02	1.18E-03	0.00E+00	1.18E-03
3.00E+02	1.15E-03	0.00E+00	1.15E-03
4.00E+02	1.13E-03	0.00E+00	1.13E-03
5.00E+02	1.11E-03	0.00E+00	1.11E-03
6.00E+02	1.10E-03	0.00E+00	1.10E-03
7.00E+02	1.08E-03	0.00E+00	1.08E-03
8.00E+02	1.07E-03	0.00E+00	1.07E-03
9.00E+02	1.05E-03	0.00E+00	1.05E-03
1.00E+03	1.03E-03	0.00E+00	1.03E-03
2.00E+03	8.92E-04	0.00E+00	8.92E-04
3.00E+03	7.72E-04	0.00E+00	7.72E-04
4.00E+03	6.69E-04	0.00E+00	6.69E-04
5.00E+03	5.80E-04	0.00E+00	5.80E-04
6.00E+03	5.04E-04	0.00E+00	5.04E-04
7.00E+03	4.38E-04	0.00E+00	4.38E-04
8.00E+03	3.81E-04	0.00E+00	3.81E-04
9.00E+03	3.31E-04	0.00E+00	3.31E-04
1.00E+04	2.88E-04	0.00E+00	2.88E-04
2.00E+04	7.19E-05	0.00E+00	7.19E-05

INGESTION

f1= 5.00E-02

HALFLIFE= 2.57E+11 DAYS

URANIUM 235

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		7.60E-04		6.06E-04
2.00E-01		3.32E-03		5.83E-03
3.00E-01		6.71E-03		1.90E-02
4.00E-01		1.02E-02		4.07E-02
5.00E-01		1.33E-02		6.99E-02
6.00E-01		1.61E-02		1.05E-01
7.00E-01		1.85E-02		1.45E-01
8.00E-01		2.04E-02		1.87E-01
9.00E-01		2.20E-02		2.31E-01
1.00E+00	2.34E-02	2.34E-02	2.76E-01	2.76E-01
2.00E+00	5.77E-03	2.92E-02	3.69E-01	6.45E-01
3.00E+00	1.83E-03	3.10E-02	1.84E-01	8.29E-01
4.00E+00	1.30E-03	3.23E-02	7.52E-02	9.04E-01
5.00E+00	1.15E-03	3.34E-02	2.89E-02	9.33E-01
6.00E+00	1.04E-03	3.45E-02	1.08E-02	9.44E-01
7.00E+00	9.49E-04	3.54E-02	4.00E-03	9.48E-01
8.00E+00	8.66E-04	3.63E-02	1.48E-03	9.49E-01
9.00E+00	7.92E-04	3.71E-02	5.44E-04	9.50E-01
1.00E+01	7.25E-04	3.78E-02	2.00E-04	9.50E-01
2.00E+01	3.27E-04	4.25E-02	0.00E+00	9.50E-01
3.00E+01	1.73E-04	4.49E-02	0.00E+00	9.50E-01
4.00E+01	1.04E-04	4.62E-02	0.00E+00	9.50E-01
5.00E+01	6.76E-05	4.70E-02	0.00E+00	9.50E-01
6.00E+01	4.61E-05	4.75E-02	0.00E+00	9.50E-01
7.00E+01	3.20E-05	4.79E-02	0.00E+00	9.50E-01
8.00E+01	2.25E-05	4.82E-02	0.00E+00	9.50E-01
9.00E+01	1.59E-05	4.84E-02	0.00E+00	9.50E-01
1.00E+02	1.13E-05	4.85E-02	0.00E+00	9.50E-01
2.00E+02	5.24E-07	4.88E-02	0.00E+00	9.50E-01
3.00E+02	1.85E-07	4.89E-02	0.00E+00	9.50E-01
4.00E+02	1.71E-07	4.89E-02	0.00E+00	9.50E-01
5.00E+02	1.68E-07	4.89E-02	0.00E+00	9.50E-01
6.00E+02	1.65E-07	4.89E-02	0.00E+00	9.50E-01
7.00E+02	1.62E-07	4.89E-02	0.00E+00	9.50E-01
8.00E+02	1.59E-07	4.89E-02	0.00E+00	9.50E-01
9.00E+02	1.57E-07	4.90E-02	0.00E+00	9.50E-01
1.00E+03	1.54E-07	4.90E-02	0.00E+00	9.50E-01
2.00E+03	1.30E-07	4.91E-02	0.00E+00	9.50E-01
3.00E+03	1.11E-07	4.92E-02	0.00E+00	9.50E-01
4.00E+03	9.54E-08	4.93E-02	0.00E+00	9.50E-01
5.00E+03	8.21E-08	4.94E-02	0.00E+00	9.50E-01
7.00E+03	6.14E-08	4.96E-02	0.00E+00	9.50E-01
8.00E+03	5.32E-08	4.96E-02	0.00E+00	9.50E-01
9.00E+03	4.62E-08	4.97E-02	0.00E+00	9.50E-01
1.00E+04	4.01E-08	4.97E-02	0.00E+00	9.50E-01

INGESTION

f1= 5.00E-02

HALFLIFE= 1.16E+12 DAYS

URANIUM 238

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	1.48E-02	9.84E-01	9.99E-01
2.00E-01	2.76E-02	9.63E-01	9.91E-01
3.00E-01	3.31E-02	9.41E-01	9.74E-01
4.00E-01	3.44E-02	9.15E-01	9.49E-01
5.00E-01	3.38E-02	8.83E-01	9.17E-01
6.00E-01	3.24E-02	8.46E-01	8.79E-01
7.00E-01	3.07E-02	8.06E-01	8.37E-01
8.00E-01	2.91E-02	7.63E-01	7.92E-01
9.00E-01	2.77E-02	7.19E-01	7.47E-01
1.00E+00	2.65E-02	6.74E-01	7.01E-01
2.00E+00	2.08E-02	3.05E-01	3.26E-01
3.00E+00	1.90E-02	1.21E-01	1.40E-01
4.00E+00	1.77E-02	4.60E-02	6.37E-02
5.00E+00	1.66E-02	1.71E-02	3.37E-02
6.00E+00	1.55E-02	6.34E-03	2.19E-02
7.00E+00	1.46E-02	2.34E-03	1.69E-02
8.00E+00	1.37E-02	8.61E-04	1.46E-02
9.00E+00	1.29E-02	3.17E-04	1.32E-02
1.00E+01	1.22E-02	1.17E-04	1.23E-02
2.00E+01	7.45E-03	0.00E+00	7.45E-03
3.00E+01	5.14E-03	0.00E+00	5.14E-03
4.00E+01	3.83E-03	0.00E+00	3.83E-03
5.00E+01	3.01E-03	0.00E+00	3.01E-03
6.00E+01	2.46E-03	0.00E+00	2.46E-03
7.00E+01	2.08E-03	0.00E+00	2.08E-03
8.00E+01	1.82E-03	0.00E+00	1.82E-03
9.00E+01	1.63E-03	0.00E+00	1.63E-03
1.00E+02	1.50E-03	0.00E+00	1.50E-03
2.00E+02	1.18E-03	0.00E+00	1.18E-03
3.00E+02	1.15E-03	0.00E+00	1.15E-03
4.00E+02	1.13E-03	0.00E+00	1.13E-03
5.00E+02	1.11E-03	0.00E+00	1.11E-03
6.00E+02	1.10E-03	0.00E+00	1.10E-03
7.00E+02	1.08E-03	0.00E+00	1.08E-03
8.00E+02	1.07E-03	0.00E+00	1.07E-03
9.00E+02	1.05E-03	0.00E+00	1.05E-03
1.00E+03	1.03E-03	0.00E+00	1.03E-03
2.00E+03	8.92E-04	0.00E+00	8.92E-04
3.00E+03	7.72E-04	0.00E+00	7.72E-04
4.00E+03	6.69E-04	0.00E+00	6.69E-04
5.00E+03	5.80E-04	0.00E+00	5.80E-04
6.00E+03	5.04E-04	0.00E+00	5.04E-04
7.00E+03	4.38E-04	0.00E+00	4.38E-04
8.00E+03	3.81E-04	0.00E+00	3.81E-04
9.00E+03	3.31E-04	0.00E+00	3.31E-04
1.00E+04	2.88E-04	0.00E+00	2.88E-04
2.00E+04	7.19E-05	0.00E+00	7.19E-05

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		7.60E-04		6.06E-04
2.00E-01		3.32E-03		5.83E-03
3.00E-01		6.71E-03		1.90E-02
4.00E-01		1.02E-02		4.07E-02
5.00E-01		1.33E-02		6.99E-02
6.00E-01		1.61E-02		1.05E-01
7.00E-01		1.85E-02		1.45E-01
8.00E-01		2.04E-02		1.87E-01
9.00E-01		2.20E-02		2.31E-01
1.00E+00	2.34E-02	2.34E-02	2.76E-01	2.76E-01
2.00E+00	5.77E-03	2.92E-02	3.69E-01	6.45E-01
3.00E+00	1.83E-03	3.10E-02	1.84E-01	8.29E-01
4.00E+00	1.30E-03	3.23E-02	7.52E-02	9.04E-01
5.00E+00	1.15E-03	3.34E-02	2.89E-02	9.33E-01
6.00E+00	1.04E-03	3.45E-02	1.08E-02	9.44E-01
7.00E+00	9.49E-04	3.54E-02	4.00E-03	9.48E-01
8.00E+00	8.66E-04	3.63E-02	1.48E-03	9.49E-01
9.00E+00	7.92E-04	3.71E-02	5.44E-04	9.50E-01
1.00E+01	7.25E-04	3.78E-02	2.00E-04	9.50E-01
2.00E+01	3.27E-04	4.25E-02	0.00E+00	9.50E-01
3.00E+01	1.73E-04	4.49E-02	0.00E+00	9.50E-01
4.00E+01	1.04E-04	4.62E-02	0.00E+00	9.50E-01
5.00E+01	6.76E-05	4.70E-02	0.00E+00	9.50E-01
6.00E+01	4.61E-05	4.75E-02	0.00E+00	9.50E-01
7.00E+01	3.20E-05	4.79E-02	0.00E+00	9.50E-01
8.00E+01	2.25E-05	4.82E-02	0.00E+00	9.50E-01
9.00E+01	1.59E-05	4.84E-02	0.00E+00	9.50E-01
1.00E+02	1.13E-05	4.85E-02	0.00E+00	9.50E-01
2.00E+02	5.24E-07	4.88E-02	0.00E+00	9.50E-01
3.00E+02	1.85E-07	4.89E-02	0.00E+00	9.50E-01
4.00E+02	1.71E-07	4.89E-02	0.00E+00	9.50E-01
5.00E+02	1.68E-07	4.89E-02	0.00E+00	9.50E-01
6.00E+02	1.65E-07	4.89E-02	0.00E+00	9.50E-01
7.00E+02	1.62E-07	4.89E-02	0.00E+00	9.50E-01
8.00E+02	1.59E-07	4.89E-02	0.00E+00	9.50E-01
9.00E+02	1.57E-07	4.90E-02	0.00E+00	9.50E-01
1.00E+03	1.54E-07	4.90E-02	0.00E+00	9.50E-01
2.00E+03	1.30E-07	4.91E-02	0.00E+00	9.50E-01
3.00E+03	1.11E-07	4.92E-02	0.00E+00	9.50E-01
4.00E+03	9.54E-08	4.93E-02	0.00E+00	9.50E-01
5.00E+03	8.21E-08	4.94E-02	0.00E+00	9.50E-01
7.00E+03	6.14E-08	4.96E-02	0.00E+00	9.50E-01
8.00E+03	5.32E-08	4.96E-02	0.00E+00	9.50E-01
9.00E+03	4.62E-08	4.97E-02	0.00E+00	9.50E-01
1.00E+04	4.01E-08	4.97E-02	0.00E+00	9.50E-01

INGESTION

f1= 1.00E-02

HALFLIFE= 7.81E+08 DAYS

NEPTUNIUM 237

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	2.98E-03	9.96E-01	9.99E-01
2.00E-01	5.91E-03	9.88E-01	9.94E-01
3.00E-01	7.56E-03	9.73E-01	9.80E-01
4.00E-01	8.40E-03	9.50E-01	9.58E-01
5.00E-01	8.82E-03	9.19E-01	9.28E-01
6.00E-01	9.02E-03	8.83E-01	8.92E-01
7.00E-01	9.09E-03	8.42E-01	8.51E-01
8.00E-01	9.12E-03	7.98E-01	8.07E-01
9.00E-01	9.11E-03	7.52E-01	7.61E-01
1.00E+00	9.10E-03	7.06E-01	7.15E-01
2.00E+00	9.01E-03	3.20E-01	3.29E-01
3.00E+00	9.00E-03	1.27E-01	1.36E-01
4.00E+00	9.00E-03	4.83E-02	5.73E-02
5.00E+00	9.00E-03	1.80E-02	2.70E-02
6.00E+00	9.00E-03	6.66E-03	1.57E-02
7.00E+00	9.00E-03	2.46E-03	1.15E-02
8.00E+00	9.00E-03	9.05E-04	9.91E-03
9.00E+00	9.00E-03	3.33E-04	9.33E-03
1.00E+01	9.00E-03	1.23E-04	9.12E-03
2.00E+01	9.00E-03	0.00E+00	9.00E-03
3.00E+01	8.99E-03	0.00E+00	8.99E-03
4.00E+01	8.99E-03	0.00E+00	8.99E-03
5.00E+01	8.99E-03	0.00E+00	8.99E-03
6.00E+01	8.99E-03	0.00E+00	8.99E-03
7.00E+01	8.98E-03	0.00E+00	8.98E-03
8.00E+01	8.98E-03	0.00E+00	8.98E-03
9.00E+01	8.98E-03	0.00E+00	8.98E-03
1.00E+02	8.97E-03	0.00E+00	8.97E-03
2.00E+02	8.94E-03	0.00E+00	8.94E-03
3.00E+02	8.91E-03	0.00E+00	8.91E-03
4.00E+02	8.88E-03	0.00E+00	8.88E-03
5.00E+02	8.86E-03	0.00E+00	8.86E-03
6.00E+02	8.83E-03	0.00E+00	8.83E-03
7.00E+02	8.80E-03	0.00E+00	8.80E-03
8.00E+02	8.77E-03	0.00E+00	8.77E-03
9.00E+02	8.74E-03	0.00E+00	8.74E-03
1.00E+03	8.71E-03	0.00E+00	8.71E-03
2.00E+03	8.43E-03	0.00E+00	8.43E-03
3.00E+03	8.16E-03	0.00E+00	8.16E-03
4.00E+03	7.90E-03	0.00E+00	7.90E-03
5.00E+03	7.65E-03	0.00E+00	7.65E-03
6.00E+03	7.40E-03	0.00E+00	7.40E-03
7.00E+03	7.17E-03	0.00E+00	7.17E-03
8.00E+03	6.95E-03	0.00E+00	6.95E-03
9.00E+03	6.73E-03	0.00E+00	6.73E-03
1.00E+04	6.52E-03	0.00E+00	6.52E-03
2.00E+04	4.82E-03	0.00E+00	4.82E-03

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	24-HOUR URINE	ACCUMULATED URINE	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		1.59E-05		6.25E-04
2.00E-01		6.89E-05		5.96E-03
3.00E-01		1.37E-04		1.94E-02
4.00E-01		2.05E-04		4.17E-02
5.00E-01		2.66E-04		7.17E-02
6.00E-01		3.16E-04		1.08E-01
7.00E-01		3.57E-04		1.49E-01
8.00E-01		3.90E-04		1.93E-01
9.00E-01		4.15E-04		2.39E-01
1.00E+00	4.35E-04	4.35E-04	2.85E-01	2.85E-01
2.00E+00	5.98E-05	4.94E-04	3.86E-01	6.71E-01
3.00E+00	3.96E-06	4.98E-04	1.93E-01	8.63E-01
4.00E+00	3.89E-07	4.99E-04	7.89E-02	9.42E-01
5.00E+00	1.65E-07	4.99E-04	3.03E-02	9.72E-01
6.00E+00	1.50E-07	4.99E-04	1.13E-02	9.84E-01
7.00E+00	1.50E-07	4.99E-04	4.21E-03	9.88E-01
8.00E+00	1.49E-07	4.99E-04	1.55E-03	9.90E-01
9.00E+00	1.49E-07	5.00E-04	5.72E-04	9.90E-01
1.00E+01	1.49E-07	5.00E-04	2.11E-04	9.90E-01
2.00E+01	1.49E-07	5.01E-04	1.59E-07	9.91E-01
3.00E+01	1.49E-07	5.03E-04	1.49E-07	9.91E-01
4.00E+01	1.49E-07	5.04E-04	1.49E-07	9.91E-01
5.00E+01	1.49E-07	5.06E-04	1.49E-07	9.91E-01
6.00E+01	1.49E-07	5.07E-04	1.49E-07	9.91E-01
7.00E+01	1.49E-07	5.09E-04	1.49E-07	9.91E-01
8.00E+01	1.49E-07	5.10E-04	1.49E-07	9.91E-01
9.00E+01	1.49E-07	5.12E-04	1.49E-07	9.91E-01
1.00E+02	1.49E-07	5.13E-04	1.49E-07	9.91E-01
2.00E+02	1.48E-07	5.28E-04	1.48E-07	9.91E-01
3.00E+02	1.48E-07	5.43E-04	1.48E-07	9.91E-01
4.00E+02	1.47E-07	5.58E-04	1.47E-07	9.91E-01
5.00E+02	1.47E-07	5.72E-04	1.47E-07	9.91E-01
6.00E+02	1.46E-07	5.87E-04	1.46E-07	9.91E-01
7.00E+02	1.45E-07	6.01E-04	1.45E-07	9.91E-01
8.00E+02	1.45E-07	6.16E-04	1.45E-07	9.91E-01
9.00E+02	1.44E-07	6.30E-04	1.44E-07	9.91E-01
1.00E+03	1.44E-07	6.45E-04	1.44E-07	9.91E-01
2.00E+03	1.38E-07	7.86E-04	1.38E-07	9.91E-01
3.00E+03	1.33E-07	9.21E-04	1.33E-07	9.91E-01
4.00E+03	1.28E-07	1.05E-03	1.28E-07	9.91E-01
5.00E+03	1.23E-07	1.18E-03	1.23E-07	9.91E-01
6.00E+03	1.18E-07	1.30E-03	1.18E-07	9.91E-01
7.00E+03	1.14E-07	1.41E-03	1.14E-07	9.91E-01
8.00E+03	1.10E-07	1.53E-03	1.10E-07	9.92E-01
9.00E+03	1.06E-07	1.63E-03	1.06E-07	9.92E-01
1.00E+04	1.02E-07	1.74E-03	1.02E-07	9.92E-01
2.00E+04	7.06E-08	2.59E-03	7.06E-08	9.93E-01

INGESTION

f1= 1.00E-04

HALFLIFE= 3.20E+04 DAYS

PLUTONIUM 238

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	2.98E-05	9.99E-01	9.99E-01
2.00E-01	6.01E-05	9.94E-01	9.94E-01
3.00E-01	7.79E-05	9.81E-01	9.81E-01
4.00E-01	8.77E-05	9.58E-01	9.58E-01
5.00E-01	9.31E-05	9.28E-01	9.28E-01
6.00E-01	9.60E-05	8.92E-01	8.92E-01
7.00E-01	9.76E-05	8.50E-01	8.51E-01
8.00E-01	9.84E-05	8.06E-01	8.06E-01
9.00E-01	9.88E-05	7.60E-01	7.60E-01
1.00E+00	9.91E-05	7.13E-01	7.13E-01
2.00E+00	9.89E-05	3.24E-01	3.24E-01
3.00E+00	9.86E-05	1.29E-01	1.29E-01
4.00E+00	9.84E-05	4.89E-02	4.90E-02
5.00E+00	9.82E-05	1.82E-02	1.83E-02
6.00E+00	9.81E-05	6.74E-03	6.84E-03
7.00E+00	9.80E-05	2.49E-03	2.58E-03
8.00E+00	9.80E-05	9.16E-04	1.01E-03
9.00E+00	9.79E-05	3.37E-04	4.35E-04
1.00E+01	9.79E-05	1.24E-04	2.22E-04
2.00E+01	9.74E-05	0.00E+00	9.74E-05
3.00E+01	9.71E-05	0.00E+00	9.71E-05
4.00E+01	9.68E-05	0.00E+00	9.68E-05
5.00E+01	9.66E-05	0.00E+00	9.66E-05
6.00E+01	9.63E-05	0.00E+00	9.63E-05
7.00E+01	9.61E-05	0.00E+00	9.61E-05
8.00E+01	9.60E-05	0.00E+00	9.60E-05
9.00E+01	9.58E-05	0.00E+00	9.58E-05
1.00E+02	9.56E-05	0.00E+00	9.56E-05
2.00E+02	9.42E-05	0.00E+00	9.42E-05
3.00E+02	9.32E-05	0.00E+00	9.32E-05
4.00E+02	9.23E-05	0.00E+00	9.23E-05
5.00E+02	9.15E-05	0.00E+00	9.15E-05
6.00E+02	9.09E-05	0.00E+00	9.09E-05
7.00E+02	9.03E-05	0.00E+00	9.03E-05
8.00E+02	8.97E-05	0.00E+00	8.97E-05
9.00E+02	8.92E-05	0.00E+00	8.92E-05
1.00E+03	8.88E-05	0.00E+00	8.88E-05
2.00E+03	8.43E-05	0.00E+00	8.43E-05
3.00E+03	8.02E-05	0.00E+00	8.02E-05
4.00E+03	7.63E-05	0.00E+00	7.63E-05
5.00E+03	7.26E-05	0.00E+00	7.26E-05
6.00E+03	6.90E-05	0.00E+00	6.90E-05
7.00E+03	6.57E-05	0.00E+00	6.57E-05
8.00E+03	6.25E-05	0.00E+00	6.25E-05
9.00E+03	5.94E-05	0.00E+00	5.94E-05
1.00E+04	5.65E-05	0.00E+00	5.65E-05
2.00E+04	3.43E-05	0.00E+00	3.43E-05

INGESTION

$f_1 = 1.00E-04$

HALFLIFE= 3.20E+04 DAYS

PLUTONIUM 238

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	24-HOUR URINE	ACCUMULATED URINE	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		6.26E-09		5.95E-04
2.00E-01		2.91E-08		5.77E-03
3.00E-01		6.27E-08		1.89E-02
4.00E-01		1.01E-07		4.08E-02
5.00E-01		1.42E-07		7.04E-02
6.00E-01		1.82E-07		1.06E-01
7.00E-01		2.22E-07		1.90E-01
8.00E-01		2.60E-07		1.90E-01
9.00E-01		2.96E-07		2.36E-01
1.00E+00	3.31E-07	3.31E-07	2.82E-01	2.82E-01
2.00E+00	2.70E-07	6.01E-07	3.89E-01	6.71E-01
3.00E+00	1.67E-07	7.68E-07	1.97E-01	8.68E-01
4.00E+00	1.08E-07	8.77E-07	8.14E-02	9.50E-01
5.00E+00	7.42E-08	9.51E-07	3.14E-02	9.81E-01
6.00E+00	5.43E-08	1.01E-06	1.18E-02	9.93E-01
7.00E+00	4.26E-08	1.05E-06	4.38E-03	9.97E-01
8.00E+00	3.55E-08	1.08E-06	1.62E-03	9.99E-01
9.00E+00	3.12E-08	1.11E-06	5.96E-04	9.99E-01
1.00E+01	2.84E-08	1.14E-06	2.20E-04	9.99E-01
2.00E+01	1.97E-08	1.37E-06	0.00E+00	9.99E-01
3.00E+01	1.57E-08	1.54E-06	0.00E+00	9.99E-01
4.00E+01	1.31E-08	1.68E-06	0.00E+00	9.99E-01
5.00E+01	1.13E-08	1.80E-06	0.00E+00	9.99E-01
6.00E+01	1.01E-08	1.91E-06	0.00E+00	9.99E-01
7.00E+01	9.17E-09	2.00E-06	0.00E+00	9.99E-01

INGESTION

f1= 1.00E-04

HALFLIFE= 8.78E+06 DAYS

PLUTONIUM 239

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	2.98E-05	9.99E-01	9.99E-01
2.00E-01	6.01E-05	9.94E-01	9.94E-01
3.00E-01	7.79E-05	9.81E-01	9.81E-01
4.00E-01	8.77E-05	9.58E-01	9.58E-01
5.00E-01	9.31E-05	9.28E-01	9.28E-01
6.00E-01	9.60E-05	8.92E-01	8.92E-01
7.00E-01	9.76E-05	8.50E-01	8.51E-01
8.00E-01	9.84E-05	8.06E-01	8.06E-01
9.00E-01	9.88E-05	7.60E-01	7.60E-01
1.00E+00	9.91E-05	7.13E-01	7.13E-01
2.00E+00	9.89E-05	3.24E-01	3.24E-01
3.00E+00	9.86E-05	1.29E-01	1.29E-01
4.00E+00	9.84E-05	4.89E-02	4.90E-02
5.00E+00	9.82E-05	1.82E-02	1.83E-02
6.00E+00	9.81E-05	6.74E-03	6.84E-03
7.00E+00	9.81E-05	2.49E-03	2.58E-03
8.00E+00	9.80E-05	9.16E-04	1.01E-03
9.00E+00	9.79E-05	3.37E-04	4.35E-04
1.00E+01	9.79E-05	1.24E-04	2.22E-04
2.00E+01	9.75E-05	0.00E+00	9.75E-05
3.00E+01	9.71E-05	0.00E+00	9.71E-05
4.00E+01	9.69E-05	0.00E+00	9.69E-05
5.00E+01	9.67E-05	0.00E+00	9.67E-05
6.00E+01	9.65E-05	0.00E+00	9.65E-05
7.00E+01	9.63E-05	0.00E+00	9.63E-05
8.00E+01	9.61E-05	0.00E+00	9.61E-05
9.00E+01	9.60E-05	0.00E+00	9.60E-05
1.00E+02	9.58E-05	0.00E+00	9.58E-05
2.00E+02	9.46E-05	0.00E+00	9.46E-05
3.00E+02	9.38E-05	0.00E+00	9.38E-05
4.00E+02	9.31E-05	0.00E+00	9.31E-05
5.00E+02	9.25E-05	0.00E+00	9.25E-05
6.00E+02	9.21E-05	0.00E+00	9.21E-05
7.00E+02	9.17E-05	0.00E+00	9.17E-05
8.00E+02	9.13E-05	0.00E+00	9.13E-05
9.00E+02	9.10E-05	0.00E+00	9.10E-05
1.00E+03	9.07E-05	0.00E+00	9.07E-05
2.00E+03	8.81E-05	0.00E+00	8.81E-05
3.00E+03	8.56E-05	0.00E+00	8.56E-05
4.00E+03	8.32E-05	0.00E+00	8.32E-05
5.00E+03	8.08E-05	0.00E+00	8.08E-05
6.00E+03	7.86E-05	0.00E+00	7.86E-05
7.00E+03	7.64E-05	0.00E+00	7.64E-05
8.00E+03	7.42E-05	0.00E+00	7.42E-05
9.00E+03	7.21E-05	0.00E+00	7.21E-05
1.00E+04	7.01E-05	0.00E+00	7.01E-05
2.00E+04	5.27E-05	0.00E+00	5.27E-05

INGESTION

$f_1 = 1.00E-04$

HALFLIFE= 8.78E+06 DAYS

PLUTONIUM 239

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	24-HOUR URINE	ACCUMULATED URINE	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		6.26E-09		5.95E-04
2.00E-01		2.91E-08		5.77E-03
3.00E-01		6.27E-08		1.89E-02
4.00E-01		1.01E-07		4.08E-02
5.00E-01		1.42E-07		7.04E-02
6.00E-01		1.82E-07		1.06E-01
7.00E-01		2.22E-07		1.90E-01
8.00E-01		2.60E-07		1.90E-01
9.00E-01		2.96E-07		2.36E-01
1.00E+00	3.31E-07	3.31E-07	2.82E-01	2.82E-01
2.00E+00	2.70E-07	6.01E-07	3.89E-01	6.71E-01
3.00E+00	1.67E-07	7.68E-07	1.97E-01	8.68E-01
4.00E+00	1.08E-07	8.77E-07	8.14E-02	9.50E-01
5.00E+00	7.42E-08	9.51E-07	3.14E-02	9.81E-01
6.00E+00	5.43E-08	1.01E-06	1.18E-02	9.93E-01
7.00E+00	4.26E-08	1.05E-06	4.38E-03	9.97E-01
8.00E+00	3.55E-08	1.08E-06	1.62E-03	9.99E-01
9.00E+00	3.12E-08	1.11E-06	5.96E-04	1.00E+00
1.00E+01	2.84E-08	1.14E-06	2.20E-04	1.00E+00
2.00E+01	1.97E-08	1.37E-06	0.00E+00	1.00E+00
3.00E+01	1.57E-08	1.54E-06	0.00E+00	1.00E+00
4.00E+01	1.31E-08	1.68E-06	0.00E+00	1.00E+00
5.00E+01	1.13E-08	1.80E-06	0.00E+00	1.00E+00
6.00E+01	1.01E-08	1.91E-06	0.00E+00	1.00E+00
7.00E+01	9.18E-09	2.01E-06	0.00E+00	1.00E+00

INGESTION $f_1 = 1.00E-04$ HALFLIFE= 2.39E+06 DAYS PLUTONIUM 240

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	2.98E-05	9.99E-01	9.99E-01
2.00E-01	6.01E-05	9.94E-01	9.94E-01
3.00E-01	7.79E-05	9.81E-01	9.81E-01
4.00E-01	8.77E-05	9.58E-01	9.58E-01
5.00E-01	9.31E-05	9.28E-01	9.28E-01
6.00E-01	9.60E-05	8.92E-01	8.92E-01
7.00E-01	9.76E-05	8.50E-01	8.51E-01
8.00E-01	9.84E-05	8.06E-01	8.06E-01
9.00E-01	9.88E-05	7.60E-01	7.60E-01
1.00E+00	9.91E-05	7.13E-01	7.13E-01
2.00E+00	9.89E-05	3.24E-01	3.24E-01
3.00E+00	9.86E-05	1.29E-01	1.29E-01
4.00E+00	9.84E-05	4.89E-02	4.90E-02
5.00E+00	9.82E-05	1.82E-02	1.83E-02
6.00E+00	9.81E-05	6.74E-03	6.84E-03
7.00E+00	9.80E-05	2.49E-03	2.58E-03
8.00E+00	9.80E-05	9.16E-04	1.01E-03
9.00E+00	9.79E-05	3.37E-04	4.35E-04
1.00E+01	9.79E-05	1.24E-04	2.22E-04
2.00E+01	9.75E-05	0.00E+00	9.75E-05
3.00E+01	9.71E-05	0.00E+00	9.71E-05
4.00E+01	9.69E-05	0.00E+00	9.69E-05
5.00E+01	9.67E-05	0.00E+00	9.67E-05
6.00E+01	9.65E-05	0.00E+00	9.65E-05
7.00E+01	9.63E-05	0.00E+00	9.63E-05
8.00E+01	9.61E-05	0.00E+00	9.61E-05
9.00E+01	9.60E-05	0.00E+00	9.60E-05
1.00E+02	9.58E-05	0.00E+00	9.58E-05
2.00E+02	9.46E-05	0.00E+00	9.46E-05
3.00E+02	9.37E-05	0.00E+00	9.37E-05
4.00E+02	9.31E-05	0.00E+00	9.31E-05
5.00E+02	9.25E-05	0.00E+00	9.25E-05
6.00E+02	9.20E-05	0.00E+00	9.20E-05
7.00E+02	9.16E-05	0.00E+00	9.16E-05
8.00E+02	9.13E-05	0.00E+00	9.13E-05
9.00E+02	9.10E-05	0.00E+00	9.10E-05
1.00E+03	9.07E-05	0.00E+00	9.07E-05
3.00E+03	8.55E-05	0.00E+00	8.55E-05
4.00E+03	8.31E-05	0.00E+00	8.31E-05
6.00E+03	7.85E-05	0.00E+00	7.85E-05
8.00E+03	7.41E-05	0.00E+00	7.41E-05
1.00E+04	7.00E-05	0.00E+00	7.00E-05

INGESTION

$f_1 = 1.00E-04$

HALFLIFE= 2.39E+06 DAYS

PLUTONIUM 240

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	24-HOUR URINE	ACCUMULATED URINE	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		6.26E-09		5.95E-04
2.00E-01		2.91E-08		5.77E-03
3.00E-01		6.27E-08		1.89E-02
4.00E-01		1.01E-07		4.08E-02
5.00E-01		1.42E-07		7.04E-02
6.00E-01		1.82E-07		1.06E-01
7.00E-01		2.22E-07		1.90E-01
8.00E-01		2.60E-07		1.90E-01
9.00E-01		2.96E-07		2.36E-01
1.00E+00	3.31E-07	3.31E-07	2.82E-01	2.82E-01
2.00E+00	2.70E-07	6.01E-07	3.89E-01	6.71E-01
3.00E+00	1.67E-07	7.68E-07	1.97E-01	8.68E-01
4.00E+00	1.08E-07	8.77E-07	8.14E-02	9.50E-01
5.00E+00	7.42E-08	9.51E-07	3.14E-02	9.81E-01
6.00E+00	5.43E-08	1.01E-06	1.18E-02	9.93E-01
7.00E+00	4.26E-08	1.05E-06	4.38E-03	9.97E-01
8.00E+00	3.55E-08	1.08E-06	1.62E-03	9.99E-01
9.00E+00	3.12E-08	1.11E-06	5.96E-04	1.00E-00
1.00E+01	2.84E-08	1.14E-06	2.20E-04	1.00E-00
2.00E+01	1.97E-08	1.37E-06	0.00E+00	1.00E-00
3.00E+01	1.57E-08	1.54E-06	0.00E+00	1.00E-00
4.00E+01	1.31E-08	1.68E-06	0.00E+00	1.00E-00
5.00E+01	1.13E-08	1.80E-06	0.00E+00	1.00E-00
6.00E+01	1.01E-08	1.91E-06	0.00E+00	1.00E-00
7.00E+01	9.18E-09	2.01E-06	0.00E+00	1.00E-00

INGESTION

f1= 1.00E-04

HALFLIFE= 1.37E+08 DAYS

PLUTONIUM 242

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	2.98E-05	9.99E-01	9.99E-01
2.00E-01	6.01E-05	9.94E-01	9.94E-01
3.00E-01	7.79E-05	9.81E-01	9.81E-01
4.00E-01	8.77E-05	9.58E-01	9.58E-01
5.00E-01	9.31E-05	9.28E-01	9.28E-01
6.00E-01	9.60E-05	8.92E-01	8.92E-01
7.00E-01	9.76E-05	8.50E-01	8.51E-01
8.00E-01	9.84E-05	8.06E-01	8.06E-01
9.00E-01	9.88E-05	7.60E-01	7.60E-01
1.00E+00	9.91E-05	7.13E-01	7.13E-01
2.00E+00	9.89E-05	3.24E-01	3.24E-01
3.00E+00	9.86E-05	1.29E-01	1.29E-01
4.00E+00	9.84E-05	4.89E-02	4.90E-02
5.00E+00	9.82E-05	1.82E-02	1.83E-02
6.00E+00	9.81E-05	6.74E-03	6.84E-03
7.00E+00	9.81E-05	2.49E-03	2.58E-03
8.00E+00	9.80E-05	9.16E-04	1.01E-03
9.00E+00	9.79E-05	3.37E-04	4.35E-04
1.00E+01	9.79E-05	1.24E-04	2.22E-04
2.00E+01	9.75E-05	0.00E+00	9.75E-05
3.00E+01	9.71E-05	0.00E+00	9.71E-05
4.00E+01	9.69E-05	0.00E+00	9.69E-05
5.00E+01	9.67E-05	0.00E+00	9.67E-05
6.00E+01	9.65E-05	0.00E+00	9.65E-05
7.00E+01	9.63E-05	0.00E+00	9.63E-05
8.00E+01	9.61E-05	0.00E+00	9.61E-05
9.00E+01	9.60E-05	0.00E+00	9.60E-05
1.00E+02	9.58E-05	0.00E+00	9.58E-05
2.00E+02	9.46E-05	0.00E+00	9.46E-05
3.00E+02	9.38E-05	0.00E+00	9.38E-05
4.00E+02	9.31E-05	0.00E+00	9.31E-05
5.00E+02	9.25E-05	0.00E+00	9.25E-05
6.00E+02	9.21E-05	0.00E+00	9.21E-05
7.00E+02	9.17E-05	0.00E+00	9.17E-05
8.00E+02	9.13E-05	0.00E+00	9.13E-05
9.00E+02	9.10E-05	0.00E+00	9.10E-05
1.00E+03	9.07E-05	0.00E+00	9.07E-05
2.00E+03	8.81E-05	0.00E+00	8.81E-05
3.00E+03	8.56E-05	0.00E+00	8.56E-05
4.00E+03	8.32E-05	0.00E+00	8.32E-05
5.00E+03	8.09E-05	0.00E+00	8.09E-05
7.00E+03	7.64E-05	0.00E+00	7.64E-05
8.00E+03	7.43E-05	0.00E+00	7.43E-05
9.00E+03	7.22E-05	0.00E+00	7.22E-05
1.00E+04	7.02E-05	0.00E+00	7.02E-05
2.00E+04	5.28E-05	0.00E+00	5.28E-05

INGESTION

f1= 1.00E-04

HALFLIFE= 1.37E+08 DAYS

PLUTONIUM 242

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	24-HOUR URINE	ACCUMULATED URINE	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		6.26E-09		5.95E-04
2.00E-01		2.91E-08		5.77E-03
3.00E-01		6.27E-08		1.89E-02
4.00E-01		1.01E-07		4.08E-02
5.00E-01		1.42E-07		7.04E-02
6.00E-01		1.82E-07		1.06E-01
7.00E-01		2.22E-07		1.90E-01
8.00E-01		2.60E-07		1.90E-01
9.00E-01		2.96E-07		2.36E-01
1.00E+01	3.31E-07	3.31E-07	2.82E-01	2.82E-01
2.00E+00	2.70E-07	6.01E-07	3.89E-01	6.71E-01
3.00E+00	1.67E-07	7.68E-07	1.97E-01	8.68E-01
4.00E+00	1.08E-07	8.77E-07	8.14E-02	9.50E-01
5.00E+00	7.42E-08	9.51E-07	3.14E-02	9.81E-01
6.00E+00	5.43E-08	1.01E-06	1.18E-02	9.93E-01
7.00E+00	4.26E-08	1.05E-06	4.38E-03	9.97E-01
8.00E+00	3.55E-08	1.08E-06	1.62E-03	9.99E-01
9.00E+00	3.12E-08	1.11E-06	5.96E-04	1.00E+00
1.00E+01	2.84E-08	1.14E-06	2.20E-04	1.00E+00
2.00E+01	1.97E-08	1.37E-06	0.00E+00	1.00E+00
3.00E+01	1.57E-08	1.54E-06	0.00E+00	1.00E+00
4.00E+01	1.31E-08	1.68E-06	0.00E+00	1.00E+00
5.00E+01	1.13E-08	1.80E-06	0.00E+00	1.00E+00
6.00E+01	1.01E-08	1.91E-06	0.00E+00	1.00E+00
7.00E+01	9.18E-09	2.01E-06	0.00E+00	1.00E+00

INGESTION

f1= 5.00E-04

HALFLIFE= 2.69E+06 DAYS

AMERICIUM 243

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	1.48E-04	9.99E-01	9.99E-01
2.00E-01	2.94E-04	9.94E-01	9.94E-01
3.00E-01	3.76E-04	9.80E-01	9.81E-01
4.00E-01	4.19E-04	9.58E-01	9.58E-01
5.00E-01	4.40E-04	9.28E-01	9.28E-01
6.00E-01	4.50E-04	8.91E-01	8.92E-01
7.00E-01	4.54E-04	8.50E-01	8.51E-01
8.00E-01	4.56E-04	8.06E-01	8.06E-01
9.00E-01	4.56E-04	7.60E-01	7.60E-01
1.00E+00	4.55E-04	7.13E-01	7.14E-01
2.00E+00	4.51E-04	3.23E-01	3.24E-01
3.00E+00	4.50E-04	1.29E-01	1.29E-01
4.00E+00	4.50E-04	4.89E-02	4.93E-02
5.00E+00	4.50E-04	1.82E-02	1.87E-02
6.00E+00	4.50E-04	6.74E-03	7.19E-03
7.00E+00	4.50E-04	2.49E-03	2.94E-03
8.00E+00	4.50E-04	9.15E-04	1.37E-03
9.00E+00	4.50E-04	3.37E-04	7.87E-04
1.00E+01	4.50E-04	1.24E-04	5.74E-04
2.00E+01	4.50E-04	0.00E+00	4.50E-04
3.00E+01	4.50E-04	0.00E+00	4.50E-04
4.00E+01	4.50E-04	0.00E+00	4.50E-04
5.00E+01	4.49E-04	0.00E+00	4.49E-04
6.00E+01	4.49E-04	0.00E+00	4.49E-04
7.00E+01	4.49E-04	0.00E+00	4.49E-04
8.00E+01	4.49E-04	0.00E+00	4.49E-04
9.00E+01	4.49E-04	0.00E+00	4.49E-04
1.00E+02	4.49E-04	0.00E+00	4.49E-04
2.00E+02	4.47E-04	0.00E+00	4.47E-04
3.00E+02	4.46E-04	0.00E+00	4.46E-04
4.00E+02	4.44E-04	0.00E+00	4.44E-04
5.00E+02	4.43E-04	0.00E+00	4.43E-04
6.00E+02	4.41E-04	0.00E+00	4.41E-04
7.00E+02	4.40E-04	0.00E+00	4.40E-04
8.00E+02	4.38E-04	0.00E+00	4.38E-04
9.00E+02	4.37E-04	0.00E+00	4.37E-04
1.00E+03	4.35E-04	0.00E+00	4.35E-04
2.00E+03	4.21E-04	0.00E+00	4.21E-04
3.00E+03	4.08E-04	0.00E+00	4.08E-04
4.00E+03	3.94E-04	0.00E+00	3.94E-04
5.00E+03	3.82E-04	0.00E+00	3.82E-04
6.00E+03	3.70E-04	0.00E+00	3.70E-04
7.00E+03	3.58E-04	0.00E+00	3.58E-04
8.00E+03	3.47E-04	0.00E+00	3.47E-04
9.00E+03	3.36E-04	0.00E+00	3.36E-04
1.00E+04	3.25E-04	0.00E+00	3.25E-04
2.00E+04	2.40E-04	0.00E+00	2.40E-04

INGESTION

f1= 5.00E-04

HALFLIFE= 2.69E+06 DAYS

AMERICIUM 243

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		1.58E-06		6.10E-04
2.00E-01		6.84E-06		5.90E-03
3.00E-01		1.37E-05		1.94E-02
4.00E-01		2.05E-05		4.16E-02
5.00E-01		2.65E-05		7.18E-02
6.00E-01		3.15E-05		1.08E-01
7.00E-01		3.56E-05		1.49E-01
8.00E-01		3.89E-05		1.94E-01
9.00E-01		4.14E-05		2.40E-01
1.00E+00	4.34E-05	4.34E-05	2.86E-01	2.86E-01
2.00E+00	6.02E-06	4.94E-05	3.90E-01	6.76E-01
3.00E+00	4.00E-07	4.98E-05	1.95E-01	8.71E-01
4.00E+00	3.91E-08	4.99E-05	7.98E-02	9.51E-01
5.00E+00	1.65E-08	4.99E-05	3.06E-02	9.81E-01
6.00E+00	1.50E-08	4.99E-05	1.15E-02	9.93E-01
7.00E+00	1.50E-08	4.99E-05	4.25E-03	9.97E-01
8.00E+00	1.49E-08	4.99E-05	1.57E-03	9.99E-01
9.00E+00	1.49E-08	5.00E-05	5.78E-04	9.99E-01
1.00E+01	1.49E-08	5.00E-05	2.13E-04	9.99E-01
2.00E+01	1.49E-08	5.01E-05	0.00E+00	9.99E-01
3.00E+01	1.49E-08	5.03E-05	0.00E+00	9.99E-01
4.00E+01	1.49E-08	5.04E-05	0.00E+00	9.99E-01
5.00E+01	1.49E-08	5.06E-05	0.00E+00	9.99E-01
6.00E+01	1.49E-08	5.07E-05	0.00E+00	9.99E-01
7.00E+01	1.49E-08	5.09E-05	0.00E+00	9.99E-01
8.00E+01	1.49E-08	5.10E-05	0.00E+00	9.99E-01
9.00E+01	1.49E-08	5.12E-05	0.00E+00	9.99E-01
1.00E+02	1.49E-08	5.13E-05	0.00E+00	9.99E-01
2.00E+02	1.48E-08	5.28E-05	0.00E+00	9.99E-01
3.00E+02	1.48E-08	5.43E-05	0.00E+00	9.99E-01
4.00E+02	1.47E-08	5.58E-05	0.00E+00	9.99E-01
5.00E+02	1.47E-08	5.72E-05	0.00E+00	9.99E-01
6.00E+02	1.46E-08	5.87E-05	0.00E+00	9.99E-01
7.00E+02	1.45E-08	6.01E-05	0.00E+00	9.99E-01
8.00E+02	1.45E-08	6.16E-05	0.00E+00	9.99E-01
9.00E+02	1.44E-08	6.30E-05	0.00E+00	9.99E-01
1.00E+03	1.44E-08	6.45E-05	0.00E+00	9.99E-01
2.00E+03	1.38E-08	7.85E-05	0.00E+00	9.99E-01
3.00E+03	1.33E-08	9.21E-05	0.00E+00	9.99E-01
4.00E+03	1.28E-08	1.05E-04	0.00E+00	9.98E-01
5.00E+03	1.23E-08	1.18E-04	0.00E+00	9.98E-01
7.00E+03	1.14E-08	1.41E-04	0.00E+00	9.98E-01
8.00E+03	1.10E-08	1.52E-04	0.00E+00	9.97E-01
9.00E+03	1.05E-08	1.63E-04	0.00E+00	9.97E-01
1.00E+04	1.02E-08	1.73E-04	0.00E+00	9.97E-01

INGESTION

f1= 5.00E-04

HALFLIFE= 1.63E+02 DAYS

CURIUM 242

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	1.48E-04	9.99E-01	9.99E-01
2.00E-01	2.94E-04	9.93E-01	9.93E-01
3.00E-01	3.76E-04	9.79E-01	9.79E-01
4.00E-01	4.18E-04	9.56E-01	9.57E-01
5.00E-01	4.39E-04	9.26E-01	9.26E-01
6.00E-01	4.49E-04	8.89E-01	8.89E-01
7.00E-01	4.53E-04	8.48E-01	8.48E-01
8.00E-01	4.54E-04	8.03E-01	8.04E-01
9.00E-01	4.54E-04	7.57E-01	7.57E-01
1.00E+00	4.53E-04	7.10E-01	7.10E-01
2.00E+00	4.47E-04	3.21E-01	3.21E-01
3.00E+00	4.44E-04	1.27E-01	1.27E-01
4.00E+00	4.43E-04	4.80E-02	4.85E-02
5.00E+00	4.41E-04	1.78E-02	1.83E-02
6.00E+00	4.39E-04	6.57E-03	7.01E-03
7.00E+00	4.37E-04	2.41E-03	2.85E-03
8.00E+00	4.35E-04	8.85E-04	1.32E-03
9.00E+00	4.33E-04	3.24E-04	7.57E-04
1.00E+01	4.31E-04	1.19E-04	5.50E-04
2.00E+01	4.13E-04	0.00E+00	4.13E-04
3.00E+01	3.96E-04	0.00E+00	3.96E-04
4.00E+01	3.79E-04	0.00E+00	3.79E-04
5.00E+01	3.63E-04	0.00E+00	3.63E-04
6.00E+01	3.48E-04	0.00E+00	3.48E-04
7.00E+01	3.33E-04	0.00E+00	3.33E-04
8.00E+01	3.19E-04	0.00E+00	3.19E-04
9.00E+01	3.06E-04	0.00E+00	3.06E-04
1.00E+02	2.93E-04	0.00E+00	2.93E-04
2.00E+02	1.91E-04	0.00E+00	1.91E-04
3.00E+02	1.24E-04	0.00E+00	1.24E-04
4.00E+02	8.09E-05	0.00E+00	8.09E-05
5.00E+02	5.27E-05	0.00E+00	5.27E-05
6.00E+02	3.43E-05	0.00E+00	3.43E-05
7.00E+02	2.23E-05	0.00E+00	2.23E-05
8.00E+02	1.45E-05	0.00E+00	1.45E-05
9.00E+02	9.47E-06	0.00E+00	9.47E-06
1.00E+03	6.16E-06	0.00E+00	6.16E-06
2.00E+03	8.44E-08	0.00E+00	8.44E-08

INGESTION

f1= 5.00E-04

HALFLIFE= 1.63E+02 DAYS

CURIUM 242

TIME AFTER SINGLE INTAKE	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
DAYS				
1.00E-01		1.58E-06		6.09E-04
2.00E-01		6.84E-06		5.90E-03
3.00E-01		1.37E-05		1.93E-02
4.00E-01		2.04E-05		4.15E-02
5.00E-01		2.64E-05		7.16E-02
6.00E-01		3.15E-05		1.08E-01
7.00E-01		3.55E-05		1.49E-01
8.00E-01		3.88E-05		1.93E-01
9.00E-01		4.13E-05		2.39E-01
1.00E+00	4.32E-05	4.32E-05	2.85E-01	2.85E-01
2.00E+00	5.97E-06	4.90E-05	3.86E-01	6.70E-01
3.00E+00	3.94E-07	4.92E-05	1.92E-01	8.60E-01
4.00E+00	3.84E-08	4.90E-05	7.85E-02	9.35E-01
5.00E+00	1.61E-08	4.88E-05	3.00E-02	9.61E-01
6.00E+00	1.47E-08	4.87E-05	1.12E-02	9.68E-01
7.00E+00	1.45E-08	4.85E-05	4.13E-03	9.68E-01
8.00E+00	1.44E-08	4.83E-05	1.52E-03	9.65E-01
9.00E+00	1.44E-08	4.81E-05	5.57E-04	9.62E-01
1.00E+01	1.43E-08	4.79E-05	2.04E-04	9.58E-01
2.00E+01	1.37E-08	4.60E-05	0.00E+00	9.18E-01
3.00E+01	1.31E-08	4.42E-05	0.00E+00	8.80E-01
4.00E+01	1.26E-08	4.25E-05	0.00E+00	8.43E-01
5.00E+01	1.21E-08	4.09E-05	0.00E+00	8.08E-01
6.00E+01	1.16E-08	3.93E-05	0.00E+00	7.74E-01
7.00E+01	1.11E-08	3.78E-05	0.00E+00	7.42E-01
8.00E+01	1.06E-08	3.63E-05	0.00E+00	7.11E-01
9.00E+01	1.02E-08	3.49E-05	0.00E+00	6.81E-01

INGESTION

f1= 5.00E-04

HALFLIFE= 6.61E+03 DAYS

CURIUM 244

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	SYSTEMIC ORGANS	GI TRACT	TOTAL BODY
1.00E-01	1.48E-04	9.99E-01	9.99E-01
2.00E-01	2.94E-04	9.94E-01	9.94E-01
3.00E-01	3.76E-04	9.80E-01	9.81E-01
4.00E-01	4.19E-04	9.58E-01	9.58E-01
5.00E-01	4.40E-04	9.28E-01	9.28E-01
6.00E-01	4.50E-04	8.91E-01	8.92E-01
7.00E-01	4.54E-04	8.50E-01	8.51E-01
8.00E-01	4.56E-04	8.06E-01	8.06E-01
9.00E-01	4.56E-04	7.60E-01	7.60E-01
1.00E+00	4.55E-04	7.13E-01	7.13E-01
2.00E+00	4.50E-04	3.23E-01	3.24E-01
3.00E+00	4.50E-04	1.29E-01	1.29E-01
4.00E+00	4.50E-04	4.88E-02	4.93E-02
5.00E+00	4.50E-04	1.82E-02	1.87E-02
6.00E+00	4.50E-04	6.74E-03	7.18E-03
7.00E+00	4.50E-04	2.48E-03	2.93E-03
8.00E+00	4.50E-04	9.14E-04	1.36E-03
9.00E+00	4.50E-04	3.37E-04	7.86E-04
1.00E+01	4.50E-04	1.24E-04	5.73E-04
2.00E+01	4.49E-04	0.00E+00	4.49E-04
3.00E+01	4.48E-04	0.00E+00	4.48E-04
4.00E+01	4.48E-04	0.00E+00	4.48E-04
5.00E+01	4.47E-04	0.00E+00	4.47E-04
6.00E+01	4.46E-04	0.00E+00	4.46E-04
7.00E+01	4.46E-04	0.00E+00	4.46E-04
8.00E+01	4.45E-04	0.00E+00	4.45E-04
9.00E+01	4.45E-04	0.00E+00	4.45E-04
1.00E+02	4.44E-04	0.00E+00	4.44E-04
2.00E+02	4.38E-04	0.00E+00	4.38E-04
3.00E+02	4.32E-04	0.00E+00	4.32E-04
4.00E+02	4.26E-04	0.00E+00	4.26E-04
5.00E+02	4.20E-04	0.00E+00	4.20E-04
6.00E+02	4.14E-04	0.00E+00	4.14E-04
7.00E+02	4.09E-04	0.00E+00	4.09E-04
8.00E+02	4.03E-04	0.00E+00	4.03E-04
9.00E+02	3.98E-04	0.00E+00	3.98E-04
1.00E+03	3.92E-04	0.00E+00	3.92E-04
2.00E+03	3.42E-04	0.00E+00	3.42E-04
3.00E+03	2.98E-04	0.00E+00	2.98E-04
4.00E+03	2.60E-04	0.00E+00	2.60E-04
5.00E+03	2.26E-04	0.00E+00	2.26E-04
6.00E+03	1.97E-04	0.00E+00	1.97E-04
7.00E+03	1.72E-04	0.00E+00	1.72E-04
8.00E+03	1.50E-04	0.00E+00	1.50E-04
9.00E+03	1.31E-04	0.00E+00	1.31E-04
1.00E+04	1.14E-04	0.00E+00	1.14E-04
2.00E+04	2.96E-05	0.00E+00	2.96E-05

INGESTION

f1= 5.00E-04

HALFLIFE= 6.61E+03 DAYS

CURIUM 244

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:			
	SYSTEMIC		NON-SYSTEMIC	
	24-HOUR EXCRETA	ACCUMULATED EXCRETA	24-HOUR FECES	ACCUMULATED FECES
1.00E-01		1.58E-06		6.10E-04
2.00E-01		6.84E-06		5.90E-03
3.00E-01		1.37E-05		1.94E-02
4.00E-01		2.04E-05		4.16E-02
5.00E-01		2.65E-05		7.18E-02
6.00E-01		3.15E-05		1.08E-01
7.00E-01		3.56E-05		1.49E-01
8.00E-01		3.89E-05		1.94E-01
9.00E-01		4.14E-05		2.40E-01
1.00E+00	4.34E-05	4.34E-05	2.86E-01	2.86E-01
2.00E+00	6.02E-06	4.94E-05	3.89E-01	6.76E-01
3.00E+00	3.99E-07	4.98E-05	1.95E-01	8.71E-01
4.00E+00	3.91E-08	4.99E-05	7.98E-02	9.50E-01
5.00E+00	1.65E-08	4.99E-05	3.06E-02	9.81E-01
6.00E+00	1.50E-08	4.99E-05	1.15E-02	9.92E-01
7.00E+00	1.49E-08	4.99E-05	4.25E-03	9.96E-01
8.00E+00	1.49E-08	4.99E-05	1.57E-03	9.98E-01
9.00E+00	1.49E-08	4.99E-05	5.78E-04	9.98E-01
1.00E+01	1.49E-08	4.99E-05	2.13E-04	9.98E-01
2.00E+01	1.49E-08	5.00E-05	0.00E+00	9.97E-01
3.00E+01	1.49E-08	5.01E-05	0.00E+00	9.96E-01
4.00E+01	1.49E-08	5.02E-05	0.00E+00	9.95E-01
5.00E+01	1.48E-08	5.03E-05	0.00E+00	9.94E-01
6.00E+01	1.48E-08	5.04E-05	0.00E+00	9.93E-01
7.00E+01	1.48E-08	5.05E-05	0.00E+00	9.92E-01
8.00E+01	1.48E-08	5.06E-05	0.00E+00	9.91E-01
9.00E+01	1.48E-08	5.07E-05	0.00E+00	9.90E-01
1.00E+02	1.47E-08	5.08E-05	0.00E+00	9.89E-01
2.00E+02	1.45E-08	5.17E-05	0.00E+00	9.79E-01
3.00E+02	1.43E-08	5.26E-05	0.00E+00	9.69E-01
4.00E+02	1.41E-08	5.35E-05	0.00E+00	9.58E-01
5.00E+02	1.39E-08	5.43E-05	0.00E+00	9.48E-01
6.00E+02	1.37E-08	5.51E-05	0.00E+00	9.39E-01
7.00E+02	1.35E-08	5.59E-05	0.00E+00	9.29E-01
8.00E+02	1.33E-08	5.66E-05	0.00E+00	9.19E-01
9.00E+02	1.31E-08	5.74E-05	0.00E+00	9.09E-01
1.00E+03	1.29E-08	5.81E-05	0.00E+00	9.00E-01
2.00E+03	1.12E-08	6.37E-05	0.00E+00	8.10E-01

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6. TABLES FOR RETENTION AND EXCRETION FOR SINGLE INTAKE OF C-14 DIOXIDE,
C-14 MONOXIDE, AND H-3 WATER OR VAPOUR

$f_1 = 1.0$ GAS ($^{14}\text{CO}_2$) HALFLIFE = 2.09E+06 DAYS CARBON 14 DIOXIDE

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	TOTAL BODY	24-HOUR EXCRETA	ACCUMULATED EXCRETA
1.00E-01	9.98E-03		9.90E-01
2.00E-01	9.97E-03		9.90E-01
3.00E-01	9.95E-03		9.90E-01
4.00E-01	9.93E-03		9.90E-01
5.00E-01	9.92E-03		9.90E-01
6.00E-01	9.90E-03		9.90E-01
7.00E-01	9.88E-03		9.90E-01
8.00E-01	9.87E-03		9.90E-01
9.00E-01	9.85E-03		9.90E-01
1.00E+00	9.84E-03	1.64E-04	9.90E-01
2.00E+00	9.67E-03	1.61E-04	9.90E-01
3.00E+00	9.51E-03	1.58E-04	9.90E-01
4.00E+00	9.36E-03	1.56E-04	9.91E-01
5.00E+00	9.20E-03	1.53E-04	9.91E-01
6.00E+00	9.05E-03	1.51E-04	9.91E-01
7.00E+00	8.90E-03	1.48E-04	9.91E-01
8.00E+00	8.75E-03	1.46E-04	9.91E-01
9.00E+00	8.61E-03	1.43E-04	9.91E-01
1.00E+01	8.47E-03	1.41E-04	9.92E-01
2.00E+01	7.17E-03	1.19E-04	9.93E-01
3.00E+01	6.07E-03	1.01E-04	9.94E-01
4.00E+01	5.14E-03	8.55E-05	9.95E-01
5.00E+01	4.35E-03	7.24E-05	9.96E-01
6.00E+01	3.69E-03	6.13E-05	9.96E-01
7.00E+01	3.12E-03	5.19E-05	9.97E-01
8.00E+01	2.64E-03	4.40E-05	9.97E-01
9.00E+01	2.24E-03	3.72E-05	9.98E-01
1.00E+02	1.90E-03	3.15E-05	9.98E-01
2.00E+02	3.59E-04	5.98E-06	1.00E+00
3.00E+02	6.81E-05	1.13E-06	1.00E+00
4.00E+02	1.29E-05	2.15E-07	1.00E+00

$f_1 = 1.0$ GAS (14 CO) HALFLIFE = 2.09E+06 DAYS CARBON 14 MONOXIDE

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	TOTAL BODY	24-HOUR EXCRETA	ACCUMULATED EXCRETA
1.00E-01	2.43E-01		7.57E-01
2.00E-01	1.48E-01		8.52E-01
3.00E-01	8.96E-02		9.10E-01
4.00E-01	5.44E-02		9.46E-01
5.00E-01	3.31E-02		9.67E-01
6.00E-01	2.01E-02		9.80E-01
7.00E-01	1.22E-02		9.88E-01
8.00E-01	7.41E-03		9.93E-01
9.00E-01	4.50E-03		9.96E-01
1.00E+00	2.73E-03	1.36E-02	9.97E-01
2.00E+00	1.87E-05	9.31E-05	1.00E+00
3.00E+00	1.28E-07	6.36E-07	1.00E+00

$f_1 = 1.0$ VAPOR OR LIQUID ($^3\text{H}_2\text{O}$) HALFLIFE = 4.49E+03 DAYS HYDROGEN 3

TIME AFTER SINGLE INTAKE DAYS	FRACTION OF INITIAL INTAKE IN:		
	TOTAL BODY	24-HOUR URINE	ACCUMULATED URINE
1.00E-01	9.93E-01		4.19E-03
2.00E-01	9.86E-01		8.34E-03
3.00E-01	9.79E-01		1.25E-02
4.00E-01	9.72E-01		1.66E-02
5.00E-01	9.66E-01		2.06E-02
6.00E-01	9.59E-01		2.47E-02
7.00E-01	9.52E-01		2.87E-02
8.00E-01	9.46E-01		3.27E-02
9.00E-01	9.39E-01		3.66E-02
1.00E+00	9.36E-01	3.85E-02	3.85E-02
2.00E+00	8.73E-01	3.76E-02	7.61E-02
3.00E+00	8.14E-01	3.51E-02	1.11E-01
4.00E+00	7.60E-01	3.27E-02	1.44E-01
5.00E+00	7.09E-01	3.05E-02	1.74E-01
6.00E+00	6.61E-01	2.85E-02	2.03E-01
7.00E+00	6.17E-01	2.66E-02	2.29E-01
8.00E+00	5.75E-01	2.48E-02	2.54E-01
9.00E+00	5.37E-01	2.31E-02	2.77E-01
1.00E+01	5.01E-01	2.16E-02	2.99E-01
2.00E+01	2.50E-01	1.08E-02	4.48E-01
3.00E+01	1.25E-01	5.37E-03	5.22E-01
4.00E+01	6.23E-02	2.68E-03	5.59E-01
5.00E+01	3.11E-02	1.34E-03	5.77E-01
6.00E+01	1.55E-02	6.69E-04	5.85E-01
7.00E+01	7.76E-03	3.34E-04	5.89E-01
8.00E+01	3.87E-03	1.67E-04	5.90E-01
9.00E+01	1.93E-03	8.33E-05	5.91E-01
1.00E+02	9.66E-04	4.16E-05	5.90E-01
2.00E+02	9.30E-07	4.01E-08	5.89E-01

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7. BIOLOGICAL AND RADIOLOGICAL PARAMETERS USED IN THIS STUDY

ELEMENT DATA SHEET

ELEMENT: HYDROGEN

PHYSICAL STATE: VAPOUR OR LIQUID, HTO or T₂O

LUNG DEPOSITION: 1.0

SYSTEMIC UPTAKE: 1.0

<u>SYSTEMIC RETENTION:</u>	<u>COEFFICIENT</u>	<u>RATE CONSTANT, 1/DAYS</u>
	1.00E+00	6.93E-02

FRACTION FROM GI TRACT TO BLOOD (f₁): 1.00E+00 INGESTION

FRACTION OF SYSTEMIC UPTAKE EXCRETED THROUGH URINE (f_u): 6.00E-01

FRACTION OF SYSTEMIC UPTAKE EXCRETED THROUGH FECES (f_f): NO DATA

<u>THE COMMON ISOTOPES OF HYDROGEN:</u>	<u>MASS NUMBER</u>	<u>HALFLIFE, DAYS</u>
	3	4.51E+03
	1	STABLE

ELEMENT DATA SHEET

ELEMENT: BERYLLIUM

PARTICLE SIZE: 1.0E+00 MICRONS

LUNG DEPOSITION:	NASAL	TRACHEA AND	PULMONARY
-----	PASSAGES	BRONCHIAL TREE	PARENCHYMA
	3.10E-01	8.00E-02	2.49E-01

SYSTEMIC RETENTION:		COEFFICIENT	RATE CONSTANT, 1/DAYS

		4.40E-01	4.62E-04
		1.60E-01	4.62E-02
		4.00E-01	2.77E+00

FRACTION FROM GI TRACT TO BLOOD (f_1): 5.00E-03 INGESTION

0.00E+00 CLASS D 5.00E-03 CLASS W 5.00E-03 CLASS Y

EXCRETION PATHWAYS ARE NOT DEFINED:

THE COMMON ISOTOPES OF BERYLLIUM:	MASS NUMBER	HALFLIFE, DAYS
-----	-----	-----
	7	5.33E+01
	9	STABLE
	10	5.84E+08

ELEMENT DATA SHEET

ELEMENT: CARBON

PHYSICAL STATE: GAS, MONOXIDE

LUNG DEPOSITION: 1.0

SYSTEMIC UPTAKE: 1.0

SYSTEMIC RETENTION:

<u>COEFFICIENT</u>	<u>RATE CONSTANT, 1/DAYS</u>
6.00E-01	1.39E-01
4.00E-01	1.00E+07

EXCRETION PATHWAYS ARE NOT DEFINED

THE COMMON ISOTOPES OF CARBON:

<u>MASS NUMBER</u>	<u>HALFLIFE, DAYS</u>
11	1.41E-02
14	2.09E+06
12	STABLE

ELEMENT DATA SHEET

ELEMENT: CARBON

PHYSICAL STATE: GAS, DIOXIDE

LUNG DEPOSITION: 1.0

SYSTEMIC UPTAKE: 1.0

SYSTEMIC RETENTION:

<u>COEFFICIENT</u>	<u>RATE CONSTANT, 1/DAYS</u>
1.80E-01	2.00E+02
8.10E-01	1.66E+01
1.00E-03	1.66E-02

EXCRETION PATHWAYS ARE NOT DEFINED

THE COMMON ISOTOPES OF CARBON:

<u>MASS NUMBER</u>	<u>HALFLIFE, DAYS</u>
11	1.41E-02
14	2.09E+06
12	STABLE

ELEMENT DATA SHEET

ELEMENT: FLUORINE

PARTICLE SIZE: 1.0E+00 MICRONS

LUNG DEPOSITION:	NASAL	TRACHEA AND	PULMONARY
-----	PASSAGES	BRONCHIAL TREE	PARENCHYMA
	3.10E-01	8.00E-02	2.49E-01

SYSTEMIC RETENTION:		COEFFICIENT	RATE CONSTANT, 1/DAYS
-----		1.00E+00	0.00E-00

FRACTION FROM GI TRACT TO BLOOD (f_1): 1.00E+00 INGESTION

1.00E+00 CLASS D 1.00E+00 CLASS W 1.00E+00 CLASS Y

EXCRETION PATHWAYS ARE NOT DEFINED

THE COMMON ISOTOPES OF FLUORINE:	MASS NUMBER	HALFLIFE, DAYS
-----	-----	-----
	18	7.62E-02
	19	STABLE

ELEMENT DATA SHEET

ELEMENT: SODIUM

PARTICLE SIZE: 1.0E+00 MICRONS

<u>LUNG DEPOSITION:</u>	NASAL PASSAGES	TRACHEA AND BRONCHIAL TREE	PULMONARY PARENCHYMA
	3.10E-01	8.00E-02	2.49E-01

<u>SYSTEMIC RETENTION:</u>	COEFFICIENT	RATE CONSTANT, 1/DAYS
	2.97E-01	6.93E-02
	3.00E-03	1.39E-03
	7.00E-01	6.93E-02

FRACTION FROM GI TRACT TO BLOOD (f_1): 1.00E+00 INGESTION

1.00E+00 CLASS D 0.00E+00 CLASS W 0.00E+00 CLASS Y

FRACTION OF SYSTEMIC BURDEN EXCRETED THROUGH URINE (f_u): ~1.0E+00

FRACTION OF SYSTEMIC UPTAKE EXCRETED THROUGH FECES (f_f): 1.0E-02

<u>THE COMMON ISOTOPES OF SODIUM:</u>	<u>MASS NUMBER</u>	<u>HALFLIFE, DAYS</u>
	22	9.50E+02
	23	STABLE
	24	6.25E-01

ELEMENT DATA SHEET

ELEMENT: MAGNESIUM

PARTICLE SIZE: 1.0E+00 MICRONS

LUNG DEPOSITION:	NASAL	TRACHEA AND	PULMONARY
-----	PASSAGES	BRONCHIAL TREE	PARENCHYMA
	3.10E-01	8.00E-02	2.49E-01

SYSTEMIC RETENTION:		COEFFICIENT	RATE CONSTANT, 1/DAYS

		2.00E-01	2.77E+00
		8.00E-01	6.93E-03

FRACTION FROM GI TRACT TO BLOOD (f_1): 5.00E-01 INGESTION

5.00E-01 CLASS D 5.00E-01 CLASS W 0.00E+00 CLASS Y

EXCRETION PATHWAYS ARE NOT DEFINED

THE COMMON ISOTOPES OF MAGNESIUM:	MASS NUMBER	HALFLIFE, DAYS
-----	-----	-----
	24	STABLE
	28	8.71E-01

ELEMENT DATA SHEET

ELEMENT: ALUMINUM

PARTICLE SIZE: 1.0E+00 MICRONS

LUNG DEPOSITION:	NASAL	TRACHEA AND	PULMONARY
-----	PASSAGES	BRONCHIAL TREE	PARENCHYMA
	3.10E-01	8.00E-02	2.49E-01

SYSTEMIC RETENTION:		COEFFICIENT	RATE CONSTANT, 1/DAYS
-----		1.00E+00	6.93E-03

FRACTION FROM GI TRACT TO BLOOD (f_1): 1.00E-02 INGESTION

1.00E-02 CLASS D 1.00E-02 CLASS W 0.00E+00 CLASS Y

EXCRETION PATHWAYS ARE NOT DEFINED

THE COMMON ISOTOPES OF ALUMINUM:	MASS NUMBER	HALFLIFE, DAYS
-----	-----	-----
	26	2.61E+08
	27	STABLE

ELEMENT DATA SHEET

ELEMENT: SILICON

PARTICLE SIZE: 1.0E+00 MICRONS

<u>LUNG DEPOSITION:</u>	NASAL PASSAGES	TRACHEA AND BRONCHIAL TREE	PULMONARY PARENCHYMA
	3.10E-01	8.00E-02	2.49E-01

<u>SYSTEMIC RETENTION:</u>	COEFFICIENT	RATE CONSTANT, 1/DAYS
	4.00E-01	1.39E-01
	6.00E-01	6.93E-03

FRACTION FROM GI TRACT TO BLOOD (f_1): 1.00E-02 INGESTION

1.00E-02 CLASS D 1.00E-02 CLASS W 1.00E-02 CLASS Y

EXCRETION PATHWAYS ARE NOT DEFINED

<u>THE COMMON ISOTOPES OF SILICON:</u>	<u>MASS NUMBER</u>	<u>HALFLIFE, DAYS</u>
	28	STABLE
	31	1.09E-01
	32	1.64E+05

ELEMENT DATA SHEET

ELEMENT: PHOSPHORUS

PARTICLE SIZE: 1.0E+00 MICRONS

LUNG DEPOSITION:	NASAL	TRACHEA AND	PULMONARY
-----	PASSAGES	BRONCHIAL TREE	PARENCHYMA
	3.10E-01	8.00E-02	2.49E-01

SYSTEMIC RETENTION:		COEFFICIENT	RATE CONSTANT, 1/DAYS
-----		1.50E-01	1.39E+00
		1.50E-01	3.47E-01
		4.00E-01	3.65E-02
		3.00E-01	4.62E-04

FRACTION FROM GI TRACT TO BLOOD (f_1): 8.00E-01 INGESTION

8.00E-01 CLASS D 8.00E-01 CLASS W 0.00E+00 CLASS Y

FRACTION OF SYSTEMIC UPTAKE EXCRETED THROUGH URINE (f_u): 9.00E-01

FRACTION OF SYSTEMIC UPTAKE EXCRETED THROUGH FECES (f_f): 1.00E-01

THE COMMON ISOTOPES OF PHOSPHORUS:	MASS NUMBER	HALFLIFE, DAYS
-----	-----	-----
	31	STABLE
	32	1.43E+01
	33	2.54E+01

ELEMENT DATA SHEET

ELEMENT: SULPHUR

PARTICLE SIZE: 1.0E+00 MICRONS

<u>LUNG DEPOSITION:</u>	NASAL PASSAGES	TRACHEA AND BRONCHIAL TREE	PULMONARY PARENCHYMA
	3.10E-01	8.00E-02	2.49E-01

<u>SYSTEMIC RETENTION:</u>	COEFFICIENT	RATE CONSTANT, 1/DAYS
	1.50E-01	3.47E-02
	5.00E-02	3.47E-04
	8.00E-01	2.77E+00

FRACTION FROM GI TRACT TO BLOOD (f_1): 8.00E-01 INGESTION

8.00E-01 CLASS D 8.00E-01 CLASS W 0.00E+00 CLASS Y

FRACTION OF SYSTEMIC UPTAKE EXCRETED THROUGH URINE (f_u): 9.00E-01

FRACTION OF SYSTEMIC UPTAKE EXCRETED THROUGH FECES (f_f): 1.00E-01

<u>THE COMMON ISOTOPES OF SULPHUR:</u>	<u>MASS NUMBER</u>	<u>HALFLIFE, DAYS</u>
	32	STABLE
	35	8.74E+01

ELEMENT DATA SHEET

ELEMENT: CHLORINE

PARTICLE SIZE: 1.0E+00 MICRONS

<u>LUNG DEPOSITION:</u>	NASAL PASSAGES	TRACHEA AND BRONCHIAL TREE	PULMONARY PARENCHYMA
	3.10E-01	8.00E-02	2.49E-01

<u>SYSTEMIC RETENTION:</u>		COEFFICIENT	RATE CONSTANT, 1/DAYS
		1.00E+00	6.93E-02

FRACTION FROM GI TRACT TO BLOOD (f_1): 1.00E+00 INGESTION

1.00E+00 CLASS D 1.00E+00 CLASS W 0.00E+00 CLASS Y

EXCRETION PATHWAYS ARE NOT DEFINED:

<u>THE COMMON ISOTOPES OF CHLORINE:</u>	<u>MASS NUMBER</u>	<u>HALFLIFE, DAYS</u>
	35	STABLE
	36	1.10E+08
	38	2.58E-02
	39	3.86E-02

ELEMENT DATA SHEET

ELEMENT: POTASSIUM

PARTICLE SIZE: 1.0E+00 MICRONS

<u>LUNG DEPOSITION:</u>	NASAL PASSAGES	TRACHEA AND BRONCHIAL TREE	PULMONARY PARENCHYMA
	3.10E-01	8.00E-02	2.49E-01

<u>SYSTEMIC RETENTION:</u>	COEFFICIENT	RATE CONSTANT, 1/DAYS
	1.00E+00	2.30E-02

FRACTION FROM GI TRACT TO BLOOD (f_1): 1.00E+00 INGESTION

1.00E+00 CLASS D 0.00E+00 CLASS W 0.00E+00 CLASS Y

EXCRETION PATHWAYS ARE NOT DEFINED:

<u>THE COMMON ISOTOPES OF POTASSIUM:</u>	<u>MASS NUMBER</u>	<u>HALFLIFE, DAYS</u>
	39	STABLE
	40	4.67E+11
	42	5.15E-01
	43	9.42E-01
	44	1.54E-02
	45	1.39E-02

ELEMENT DATA SHEET

ELEMENT: CALCIUM

PARTICLE SIZE: 1.0E+00 MICRONS

LUNG DEPOSITION:	NASAL	TRACHEA AND	PULMONARY
-----	PASSAGES	BRONCHIAL TREE	PARENCHYMA
	3.10E-01	8.00E-02	2.49E-01

SYSTEMIC RETENTION:		COEFFICIENT	RATE CONSTANT, 1/DAYS

		3.56E-02	2.46E+01
		3.14E-03	1.21E+00
		4.31E-01	8.80E-02
		9.00E-02	6.86E-03
		7.02E-02	1.90E-03
		1.29E-01	3.70E-04
		2.41E-01	7.86E-05

FRACTION FROM GI TRACT TO BLOOD (f_1): 3.00E-01 INGESTION

0.00E+00 CLASS D 3.00E-01 CLASS W 0.00E+00 CLASS Y

FRACTION OF SYSTEMIC UPTAKE EXCRETED THROUGH URINE (f_u): 5.00E-01

FRACTION OF SYSTEMIC UPTAKE EXCRETED THROUGH FECES (f_f): 5.00E-01

THE COMMON ISOTOPES OF CALCIUM:	MASS NUMBER	HALFLIFE, DAYS
-----	-----	-----
	40	STABLE
	41	5.11E+07
	45	1.63E+02
	47	4.53E+00

ELEMENT DATA SHEET

ELEMENT: SCANDIUM

PARTICLE SIZE: 1.0E+00 MICRONS

LUNG DEPOSITION:	NASAL	TRACHEA AND	PULMONARY
-----	PASSAGES	BRONCHIAL TREE	PARENCHYMA
	3.10E-01	8.00E-02	2.49E-01

SYSTEMIC RETENTION:		COEFFICIENT	RATE CONSTANT, 1/DAYS

		1.00E-01	1.39E-01
		9.00E-01	4.62E-04

FRACTION FROM GI TRACT TO BLOOD (f_1): 1.00E-04 INGESTION

0.00E+00 CLASS D 0.00E+00 CLASS W 1.00E-04 CLASS Y

EXCRETION PATHWAYS ARE NOT DEFINED:

THE COMMON ISOTOPES OF SCANDIUM:	MASS NUMBER	HALFLIFE, DAYS
-----	-----	-----
	43	1.62E-01
	44	1.64E-01
	44m	2.44E+00
	45	STABLE
	46	8.38E+01
	47	3.35E+00
	48	1.82E+00
	49	3.98E-02

ELEMENT DATA SHEET

ELEMENT: TITANIUM

PARTICLE SIZE: 1.0E+00 MICRONS

LUNG DEPOSITION:	NASAL	TRACHEA AND	PULMONARY
-----	PASSAGES	BRONCHIAL TREE	PARENCHYMA
	3.10E-01	8.00E-02	2.49E-01

SYSTEMIC RETENTION:		COEFFICIENT	RATE CONSTANT, 1/DAYS
-----		1.00E+00	1.16E-03

FRACTION FROM GI TRACT TO BLOOD (f_1): 1.00E-02 INGESTION

1.00E-02 CLASS D 1.00E-02 CLASS W 1.00E-02 CLASS Y

EXCRETION PATHWAYS ARE NOT DEFINED:

THE COMMON ISOTOPES OF TITANIUM:	MASS NUMBER	HALFLIFE, DAYS
-----	-----	-----
	44	1.73E-02
	45	1.28E-01
	48	STABLE

ELEMENT DATA SHEET

ELEMENT: VANADIUM

PARTICLE SIZE: 1.0E+00 MICRONS

LUNG DEPOSITION:	NASAL	TRACHEA AND	PULMONARY
-----	PASSAGES	BRONCHIAL TREE	PARENCHYMA
	3.10E-01	8.00E-02	2.49E-01

SYSTEMIC RETENTION:		COEFFICIENT	RATE CONSTANT, 1/DAYS

		7.00E-01	2.77E+00
		3.00E-01	6.93E-05

FRACTION FROM GI TRACT TO BLOOD (f_1): 1.00E-02 INGESTION

1.00E-02 CLASS D 1.00E-02 CLASS W 0.00E+00 CLASS Y

EXCRETION PATHWAYS ARE NOT DEFINED:

THE COMMON ISOTOPES OF VANADIUM:	MASS NUMBER	HALFLIFE, DAYS
-----	-----	-----
	47	2.26E-02
	48	1.62E+01
	49	3.30E+02
	51	STABLE

ELEMENT DATA SHEET

ELEMENT: CHROMIUM

PARTICLE SIZE: 1.0E+00 MICRONS

<u>LUNG DEPOSITION:</u>	<u>NASAL</u>	<u>TRACHEA AND</u>	<u>PULMONARY</u>
<u>PASSAGES</u>		<u>BRONCHIAL TREE</u>	<u>PARENCHYMA</u>
	3.10E-01	8.00E-02	2.49E-01

<u>SYSTEMIC RETENTION:</u>	<u>COEFFICIENT</u>	<u>RATE CONSTANT,</u>
		<u>1/DAYS</u>
	5.00E-02	6.93E-04
	4.00E-01	1.16E-01
	2.50E-01	8.66E-03
	3.00E-01	1.39E+00

FRACTION FROM GI TRACT TO BLOOD (f_1): 1.00E-01 INGESTION

1.00E-01 CLASS D 1.00E-01 CLASS W 1.00E-01 CLASS Y

EXCRETION PATHWAYS ARE NOT DEFINED:

<u>THE COMMON ISOTOPES OF CHROMIUM:</u>	<u>MASS NUMBER</u>	<u>HALFLIFE, DAYS</u>
	48	9.57E-01
	49	2.92E-02
	51	2.77E+01
	52	STABLE

ELEMENT DATA SHEET

ELEMENT: MANGANESE

PARTICLE SIZE: 1.0E+00 MICRONS

<u>LUNG DEPOSITION:</u>	NASAL PASSAGES	TRACHEA AND BRONCHIAL TREE	PULMONARY PARENCHYMA
	3.10E-01	8.00E-02	2.49E-01

<u>SYSTEMIC RETENTION:</u>	COEFFICIENT	RATE CONSTANT, 1/DAYS
	7.00E-01	1.73E-02
	3.00E-01	1.73E-01

FRACTION FROM GI TRACT TO BLOOD (f_1): 1.00E-01 INGESTION

1.00E-01 CLASS D 1.00E-01 CLASS W 0.00E+00 CLASS Y

EXCRETION PATHWAYS ARE NOT DEFINED:

<u>THE COMMON ISOTOPES OF MANGANESE:</u>	<u>MASS NUMBER</u>	<u>HALFLIFE, DAYS</u>
	51	3.21E-02
	52	5.59E+00
	52M	1.47E-02
	53	1.35E+09
	54	3.13E+02
	55	STABLE
	56	1.07E-01

ELEMENT DATA SHEET

ELEMENT: IRON

PARTICLE SIZE: 1.0E+00 MICRONS

<u>LUNG DEPOSITION:</u>	NASAL PASSAGES	TRACHEA AND BRONCHIAL TREE	PULMONARY PARENCHYMA
	3.10E-01	8.00E-02	2.49E-01

<u>SYSTEMIC RETENTION:</u>		COEFFICIENT	RATE CONSTANT, 1/DAYS
		1.00E+00	3.47E-04

FRACTION FROM GI TRACT TO BLOOD (f_1): 1.00E-01 INGESTION

1.00E-01 CLASS D 1.00E-01 CLASS W 0.00E+00 CLASS Y

EXCRETION PATHWAYS ARE NOT DEFINED:

<u>THE COMMON ISOTOPES OF IRON:</u>	<u>MASS NUMBER</u>	<u>HALFLIFE, DAYS</u>
	52	3.45E-01
	55	9.86E+02
	56	STABLE
	59	4.45E+01
	60	3.65E+07

ELEMENT DATA SHEET

ELEMENT: COBALT

PARTICLE SIZE: 1.0E+00 MICRONS

LUNG DEPOSITION:	NASAL	TRACHEA AND	PULMONARY
-----	PASSAGES	BRONCHIAL TREE	PARENCHYMA
	3.10E-01	8.00E-02	2.49E-01

SYSTEMIC RETENTION:		COEFFICIENT	RATE CONSTANT, 1/DAYS

		5.00E-01	1.39E+00
		3.00E-01	1.16E-01
		1.00E-01	1.16E-02
		1.00E-01	8.66E-04

FRACTION FROM GI TRACT TO BLOOD (f_1): 5.00E-02 INGESTION

0.00E+00 CLASS D 5.00E-02 CLASS W 5.00E-02 CLASS Y

FRACTION OF SYSTEMIC UPTAKE EXCRETED THROUGH URINE (f_u): 8.00E-01

FRACTION OF SYSTEMIC UPTAKE EXCRETED THROUGH FECES (f_f): 2.00E-01

THE COMMON ISOTOPES OF COBALT:	MASS NUMBER	HALFLIFE, DAYS
-----	-----	-----
	55	7.30E-01
	56	7.88E+01
	57	2.71E+02
	58	7.08E+01
	58m	3.81E-01
	59	STABLE
	60	1.92E+03
	60m	7.27E-03
	61	6.88E-02

ELEMENT DATA SHEET

ELEMENT: NICKEL

PARTICLE SIZE: 1.0E+00 MICRONS

LUNG DEPOSITION:	NASAL	TRACHEA AND	PULMONARY
-----	PASSAGES	BRONCHIAL TREE	PARENCHYMA
	3.10E-01	8.00E-02	2.49E-01

SYSTEMIC RETENTION:		COEFFICIENT	RATE CONSTANT, 1/DAYS

		2.00E-02	3.47E+00
		6.80E-01	2.77E+00
		3.00E-01	5.77E-04

FRACTION FROM GI TRACT TO BLOOD (f_1): 5.00E-02 INGESTION

5.00E-02 CLASS D 5.00E-02 CLASS W 0.00E+00 CLASS Y

EXCRETION PATHWAYS ARE NOT DEFINED:

THE COMMON ISOTOPES OF NICKEL:	MASS NUMBER	HALFLIFE, DAYS
-----	-----	-----
	56	6.10E+00
	57	1.50E+00
	58	STABLE
	59	2.74E+07
	63	3.50E+04
	65	1.05E-01
	66	2.28E+00

ELEMENT DATA SHEET

ELEMENT: COPPER

PARTICLE SIZE: 1.0E+00 MICRONS

LUNG DEPOSITION: NASAL ----- PASSAGES	TRACHEA AND BRONCHIAL TREE	PULMONARY PARENCHYMA
3.10E-01	8.00E-02	2.49E-01

SYSTEMIC RETENTION: -----	COEFFICIENT	RATE CONSTANT, 1/DAYS
	1.00E+00	1.73E-02

FRACTION FROM GI TRACT TO BLOOD (f_1): 5.00E-01 INGESTION

5.00E-01 CLASS D 5.00E-01 CLASS W 5.00E-01 CLASS Y

EXCRETION PATHWAYS ARE NOT DEFINED:

THE COMMON ISOTOPES OF COPPER: -----	MASS NUMBER -----	HALFLIFE, DAYS -----
	60	1.61E-02
	61	1.42E-01
	63	STABLE
	64	5.29E-01
	67	2.58E+00

ELEMENT DATA SHEET

ELEMENT: ZINC

PARTICLE SIZE: 1.0E+00 MICRONS

LUNG DEPOSITION:	NASAL	TRACHEA AND	PULMONARY
-----	PASSAGES	BRONCHIAL TREE	PARENCHYMA
	3.10E-01	8.00E-02	2.49E-01

SYSTEMIC RETENTION:			RATE CONSTANT,
-----		COEFFICIENT	1/DAYS
		7.60E-01	1.73E-03
		2.40E-01	3.47E-02

FRACTION FROM GI TRACT TO BLOOD (f_1): 5.00E-01 INGESTION

0.00E+00 CLASS D 0.00E+00 CLASS W 5.00E-01 CLASS Y

FRACTION OF SYSTEMIC UPTAKE EXCRETED THROUGH URINE (f_u): 2.50E-01

FRACTION OF SYSTEMIC UPTAKE EXCRETED THROUGH FECES (f_f): 7.50E-01

<u>THE COMMON ISOTOPES OF ZINC:</u>	<u>MASS NUMBER</u>	<u>HALFLIFE, DAYS</u>
	62	3.86E-01
	63	2.65E-02
	65	2.44E+02
	66	STABLE
	69	3.96E-02
	69m	5.73E-01
	71m	1.63E-01
	72	1.94E+00

ELEMENT DATA SHEET

ELEMENT: GALLIUM

PARTICLE SIZE: 1.0E+00 MICRONS

LUNG DEPOSITION:	NASAL	TRACHEA AND	PULMONARY
-----	PASSAGES	BRONCHIAL TREE	PARENCHYMA
	3.10E-01	8.00E-02	2.49E-01

SYSTEMIC RETENTION:			RATE CONSTANT,
-----		COEFFICIENT	1/DAYS
		3.00E-01	6.93E-01
		7.00E-01	1.39E-02

FRACTION FROM GI TRACT TO BLOOD (f_1): 1.00E-03 INGESTION

1.00E-03 CLASS D 1.00E-03 CLASS W 0.00E+00 CLASS Y

EXCRETION PATHWAYS ARE NOT DEFINED:

THE COMMON ISOTOPES OF GALLIUM:	MASS NUMBER	HALFLIFE, DAYS
-----	-----	-----
	65	1.06E-02
	66	3.92E-01
	67	3.26E+00
	68	4.72E-02
	69	STABLE
	70	1.47E-02
	72	5.88E-01
	73	2.05E-01

ELEMENT DATA SHEET

ELEMENT: GERMANIUM

PARTICLE SIZE: 1.0E+00 MICRONS

LUNG DEPOSITION:	NASAL	TRACHEA AND	PULMONARY
-----	PASSAGES	BRONCHIAL TREE	PARENCHYMA
	3.10E-01	8.00E-02	2.49E-01

SYSTEMIC RETENTION:		COEFFICIENT	RATE CONSTANT, 1/DAYS
-----		5.00E-01	2.77E+00
		5.00E-01	6.93E-01

FRACTION FROM GI TRACT TO BLOOD (f_1): 1.00E+00 INGESTION

1.00E+00 CLASS D 1.00E+00 CLASS W 0.00E+00 CLASS Y

EXCRETION PATHWAYS ARE NOT DEFINED:

THE COMMON ISOTOPES OF GERMANIUM:	MASS NUMBER	HALFLIFE, DAYS
-----	-----	-----
	66	9.46E-02
	67	1.30E-02
	68	2.88E+02
	69	1.63E+00
	71	1.18E+01
	73	STABLE
	75	5.75E-02
	77	4.71E-01
	78	6.04E-02

ELEMENT DATA SHEET

ELEMENT: ARSENIC

PARTICLE SIZE: 1.0E+00 MICRONS

<u>LUNG DEPOSITION:</u>	NASAL	TRACHEA AND	PULMONARY
<u>-----</u>	PASSAGES	BRONCHIAL TREE	PARENCHYMA
	3.10E-01	8.00E-02	2.49E-01

<u>SYSTEMIC RETENTION:</u>		COEFFICIENT	RATE CONSTANT, 1/DAYS
		3.50E-01	2.77E+00
		2.60E-01	6.93E-01
		3.90E-01	6.93E-02

FRACTION FROM GI TRACT TO BLOOD (f_1): 5.00E-01 INGESTION

0.00E+00 CLASS D 5.00E-01 CLASS W 0.00E+00 CLASS Y

EXCRETION PATHWAYS ARE NOT DEFINED:

<u>THE COMMON ISOTOPES OF ARSENIC:</u>	<u>MASS NUMBER</u>	<u>HALFLIFE, DAYS</u>
	69	1.06E-02
	70	3.65E-02
	71	2.70E+00
	72	1.08E+00
	73	8.03E+01
	74	1.78E+01
	75	STABLE
	76	1.10E+00
	77	1.62E+00

ELEMENT DATA SHEET

ELEMENT: SELENIUM

PARTICLE SIZE: 1.0E+00 MICRONS

LUNG DEPOSITION:	NASAL	TRACHEA AND	PULMONARY
-----	PASSAGES	BRONCHIAL TREE	PARENCHYMA
	3.10E-01	8.00E-02	2.49E-01

SYSTEMIC RETENTION:		COEFFICIENT	RATE CONSTANT, 1/DAYS

		1.00E-01	2.31E-01
		4.00E-01	2.31E-02
		5.00E-01	4.62E-03

FRACTION FROM GI TRACT TO BLOOD (f_1): 8.00E-01 INGESTION

8.00E-01 CLASS D 8.00E-01 CLASS W 0.00E+00 CLASS Y

EXCRETION PATHWAYS ARE NOT DEFINED:

THE COMMON ISOTOPES OF SELENIUM:	MASS NUMBER	HALFLIFE, DAYS
-----	-----	-----
	70	2.85E-02
	73	2.98E-01
	73m	2.71E-02
	75	1.20E+02
	78	STABLE
	79	2.37E+07
	81	1.29E-02
	81m	3.98E-02
	83	1.56E-02

ELEMENT DATA SHEET

ELEMENT: BROMINE

PARTICLE SIZE: 1.0E+00 MICRONS

LUNG DEPOSITION:	NASAL	TRACHEA AND	PULMONARY
-----	PASSAGES	BRONCHIAL TREE	PARENCHYMA
	3.10E-01	8.00E-02	2.49E-01

SYSTEMIC RETENTION:			RATE CONSTANT,
-----		COEFFICIENT	1/DAYS
		1.00E+00	6.93E-02

FRACTION FROM GI TRACT TO BLOOD (f_1): 1.00E+00 INGESTION

1.00E+00 CLASS D 1.00E+00 CLASS W 0.00E+00 CLASS Y

EXCRETION PATHWAYS ARE NOT DEFINED:

THE COMMON ISOTOPES OF BROMINE:	MASS NUMBER	HALFLIFE, DAYS
-----	-----	-----
	74	1.76E-02
	74m	2.88E-02
	75	6.81E-02
	76	6.75E-01
	77	2.33E+00
	79	STABLE
	80	1.21E-02
	80m	1.84E-01
	82	1.47E+00
	83	9.96E-02
	84	2.21E-02

ELEMENT DATA SHEET

ELEMENT: RUBIDIUM

PARTICLE SIZE: 1.0E+00 MICRONS

LUNG DEPOSITION:	NASAL	TRACHEA AND	PULMONARY
-----	PASSAGES	BRONCHIAL TREE	PARENCHYMA
	3.10E-01	8.00E-02	2.49E-01

SYSTEMIC RETENTION:			RATE CONSTANT,
-----		COEFFICIENT	1/DAYS
		1.00E+00	1.58E-02

FRACTION FROM GI TRACT TO BLOOD (f_1): 1.00E+00 INGESTION

1.00E+00 CLASS D 0.00E+00 CLASS W 0.00E+00 CLASS Y

FRACTION OF SYSTEMIC UPTAKE EXCRETED THROUGH URINE (f_u): 7.50E-01

FRACTION OF SYSTEMIC UPTAKE EXCRETED THROUGH FECES (f_f): 2.50E-01

THE COMMON ISOTOPES OF RUBIDIUM:	MASS NUMBER	HALFLIFE, DAYS
-----	-----	-----
	79	1.59E-02
	81	1.91E-01
	81m	2.22E-02
	82m	2.58E-01
	83	8.62E+01
	84	3.28E+01
	85	STABLE
	86	1.87E+01
	87	1.72E+13
	88	1.24E-02
	89	1.06E-02

ELEMENT DATA SHEET

ELEMENT: STRONTIUM

PARTICLE SIZE: 1.0E+00 MICRONS

LUNG DEPOSITION: NASAL ----- PASSAGES	TRACHEA AND BRONCHIAL TREE	PULMONARY PARENCHYMA
3.10E-01	8.00E-02	2.49E-01

SYSTEMIC RETENTION: -----	COEFFICIENT	RATE CONSTANT, 1/DAYS
	1.29E-01	2.56E+01
	6.99E-02	5.57E-01
	5.89E-01	1.59E-01
	2.71E-02	1.23E-02
	6.65E-02	3.30E-03
	5.80E-02	3.72E-04
	6.03E-02	8.43E-05

FRACTION FROM GI TRACT TO BLOOD (f_1): 3.00E-01 INGESTION

3.00E-01 CLASS D 0.00E+00 CLASS W 1.00E-02 CLASS Y

FRACTION OF SYSTEMIC UPTAKE EXCRETED THROUGH URINE (f_u): 8.50E-01

FRACTION OF SYSTEMIC UPTAKE EXCRETED THROUGH FECES (f_f): 1.50E-01

THE COMMON ISOTOPES OF STRONTIUM: -----	MASS NUMBER -----	HALFLIFE, DAYS -----
	83	1.35E+00
	85	6.48E+01
	85m	4.83E-02
	88	STABLE
	89	5.05E+01
	90	1.06E+04

ELEMENT DATA SHEET

ELEMENT: YTTTRIUM

PARTICLE SIZE: 1.0E+00 MICRONS

LUNG DEPOSITION:	NASAL	TRACHEA AND	PULMONARY
-----	PASSAGES	BRONCHIAL TREE	PARENCHYMA
	3.10E-01	8.00E-02	2.49E-01

SYSTEMIC RETENTION:			RATE CONSTANT,
-----		COEFFICIENT	1/DAYS
		7.50E-01	1.00E-10
		2.50E-01	2.77E+00

FRACTION FROM GI TRACT TO BLOOD (f_1): 1.00E-04 INGESTION

0.00E+00 CLASS D 1.00E-04 CLASS W 1.00E-04 CLASS Y

EXCRETION PATHWAYS ARE NOT DEFINED:

THE COMMON ISOTOPES OF YTTTRIUM:	MASS NUMBER	HALFLIFE, DAYS
-----	-----	-----
	86	6.14E-01
	86m	3.33E-02
	87	3.35E+00
	88	1.07E+02
	89	STABLE
	90	2.67E+00
	90m	1.33E-01
	91	5.85E+01
	92	1.47E-01
	93	4.21E-01
	94	1.33E-02

ELEMENT DATA SHEET

ELEMENT: ZIRCONIUM

PARTICLE SIZE: 1.0E+00 MICRONS

LUNG DEPOSITION: NASAL ----- PASSAGES	TRACHEA AND BRONCHIAL TREE	PULMONARY PARENCHYMA
3.10E-01	8.00E-02	2.49E-01

SYSTEMIC RETENTION: -----	COEFFICIENT	RATE CONSTANT, 1/DAYS
	5.00E-01	8.66E-05
	5.00E-01	9.90E-02

FRACTION FROM GI TRACT TO BLOOD (f_1): 2.00E-03 INGESTION

2.00E-03 CLASS D 2.00E-03 CLASS W 2.00E-03 CLASS Y

EXCRETION PATHWAYS ARE NOT DEFINED:

THE COMMON ISOTOPES OF ZIRCONIUM: -----	MASS NUMBER -----	HALFLIFE, DAYS -----
	86	6.88E-01
	88	8.34E+01
	89	3.27E+00
	91	STABLE
	93	5.59E+08
	95	6.40E+01
	97	7.04E-01

ELEMENT DATA SHEET

ELEMENT: NIOBIUM

PARTICLE SIZE: 1.0E+00 MICRONS

LUNG DEPOSITION: <u>MASAL</u>	TRACHEA AND	PULMONARY
----- PASSAGES	BRONCHIAL TREE	PARENCHYMA
3.10E-01	8.00E-02	2.49E-01

SYSTEMIC RETENTION: <u>-----</u>	COEFFICIENT	RATE CONSTANT, 1/DAYS
	5.00E-01	1.16E-01
	5.00E-01	3.47E-03

FRACTION FROM GI TRACT TO BLOOD (f₁): 1.00E-02 INGESTION

0.00E+00 CLASS D 1.00E-02 CLASS W 1.00E-02 CLASS Y

EXCRETION PATHWAYS ARE NOT DEFINED:

<u>THE COMMON ISOTOPES OF NIOBIUM:</u>	<u>MASS NUMBER</u>	<u>HALFLIFE, DAYS</u>
	88	9.93E-03
	89	4.58E-02
	89	8.47E-02
	90	6.08E-01
	93	STABLE
	93m	4.96E+03
	94	7.41E+06
	95	3.52E+01
	95m	3.61E+00
	96	9.73E-01
	97	5.01E-02

ELEMENT DATA SHEET

ELEMENT: MOLYBDENUM

PARTICLE SIZE: 1.0E+00 MICRONS

LUNG DEPOSITION:	NASAL	TRACHEA AND	PULMONARY
-----	PASSAGES	BRONCHIAL TREE	PARENCHYMA
	3.10E-01	8.00E-02	2.49E-01

SYSTEMIC RETENTION:			RATE CONSTANT,
-----		COEFFICIENT	1/DAYS
		1.00E-01	6.93E-01
		9.00E-01	1.39E-02

FRACTION FROM GI TRACT TO BLOOD (f_1): 8.00E-01 INGESTION

8.00E-01 CLASS D 0.00E+00 CLASS W 5.00E-02 CLASS Y

EXCRETION PATHWAYS ARE NOT DEFINED:

THE COMMON ISOTOPES OF MOLYBDENUM:	MASS NUMBER	HALFLIFE, DAYS
-----	-----	-----
	90	2.36E-01
	93	1.28E+06
	93m	2.85E-01
	96	STABLE
	99	2.75E+00
	101	1.02E-02

ELEMENT DATA SHEET

ELEMENT: TECHNETIUM

PARTICLE SIZE: 1.0E+00 MICRONS

LUNG DEPOSITION:	NASAL	TRACHEA AND	PULMONARY
-----	PASSAGES	BRONCHIAL TREE	PARENCHYMA
	3.10E-01	8.00E-02	2.49E-01

SYSTEMIC RETENTION:		COEFFICIENT	RATE CONSTANT, 1/DAYS

		4.00E-02	1.39E+00
		7.20E-01	4.33E-01
		1.92E-01	1.87E-01
		4.80E-02	3.15E-02

FRACTION FROM GI TRACT TO BLOOD (f_1): 8.00E-01 INGESTION

8.00E-01 CLASS D 8.00E-01 CLASS W 0.00E+00 CLASS Y

EXCRETION PATHWAYS ARE NOT DEFINED:

THE COMMON ISOTOPES OF TECHNETIUM:	MASS NUMBER	HALFLIFE, DAYS
-----	-----	-----
	93	1.15E-01
	93m	3.02E-02
	94	2.03E-01
	94m	3.61E-02
	96	4.28E+00
	97	9.49E+08
	98	1.53E+09
	99	7.77E+07
	101	9.86E-03
	104	1.26E-02

ELEMENT DATA SHEET

ELEMENT: RUTHENIUM

PARTICLE SIZE: 1.0E+00 MICRONS

<u>LUNG DEPOSITION:</u>	NASAL PASSAGES	TRACHEA AND BRONCHIAL TREE	PULMONARY PARENCHYMA
	3.10E-01	8.00E-02	2.49E-01

<u>SYSTEMIC RETENTION:</u>	COEFFICIENT	RATE CONSTANT, 1/DAYS
	3.50E-01	8.66E-02
	3.00E-01	1.98E-02
	2.00E-01	6.93E-04
	1.50E-01	2.31E+00

FRACTION FROM GI TRACT TO BLOOD (f_1): 5.00E-02 INGESTION

5.00E-02 CLASS D 5.00E-02 CLASS W 5.00E-02 CLASS Y

EXCRETION PATHWAYS ARE NOT DEFINED:

<u>THE COMMON ISOTOPES OF RUTHENIUM:</u>	<u>MASS NUMBER</u>	<u>HALFLIFE, DAYS</u>
	94	3.60E-02
	97	2.90E+00
	101	STABLE
	103	3.93E+01
	105	1.85E-01
	106	3.68E+02

ELEMENT DATA SHEET

ELEMENT: RHODIUM

PARTICLE SIZE: 1.0E+00 MICRONS

<u>LUNG DEPOSITION:</u>	NASAL PASSAGES	TRACHEA AND BRONCHIAL TREE	PULMONARY PARENCHYMA
	3.10E-01	8.00E-02	2.49E-01

<u>SYSTEMIC RETENTION:</u>		COEFFICIENT	RATE CONSTANT, 1/DAYS
		3.50E-01	8.66E-02
		3.00E-01	1.98E-02
		2.00E-01	6.93E-04
		1.50E-01	2.31E+00

FRACTION FROM GI TRACT TO BLOOD (f_1): 5.00E-02 INGESTION

5.00E-02 CLASS D 5.00E-02 CLASS W 5.00E-02 CLASS Y

EXCRETION PATHWAYS ARE NOT DEFINED:

<u>THE COMMON ISOTOPES OF RHODIUM:</u>	<u>MASS NUMBER</u>	<u>HALFLIFE, DAYS</u>
	99	1.60E+01
	99m	1.96E-01
	100	8.67E-01
	101	1.17E+03
	101m	4.34E+00
	102	1.06E+03
	103	STABLE
	105	1.47E+00
	107	1.51E-02

ELEMENT DATA SHEET

ELEMENT: PALLADIUM

PARTICLE SIZE: 1.0E+00 MICRONS

LUNG DEPOSITION: NASAL ----- PASSAGES	TRACHEA AND BRONCHIAL TREE	PULMONARY PARENCHYMA
3.10E-01	8.00E-02	2.49E-01

SYSTEMIC RETENTION: -----	COEFFICIENT	RATE CONSTANT, 1/DAYS
	3.00E-01	2.77E+00
	7.00E-01	4.62E-02

FRACTION FROM GI TRACT TO BLOOD (f_1): 5.00E-03 INGESTION

5.00E-03 CLASS D 5.00E-03 CLASS W 5.00E-03 CLASS Y

EXCRETION PATHWAYS ARE NOT DEFINED:

THE COMMON ISOTOPES OF PALLADIUM: -----	MASS NUMBER -----	HALFLIFE, DAYS -----
	100	3.63E+00
	101	3.45E-01
	103	1.70E+01
	106	STABLE
	107	2.37E+09
	109	5.60E-01

ELEMENT DATA SHEET

ELEMENT: SILVER

PARTICLE SIZE: 1.0E+00 MICRONS

<u>LUNG DEPOSITION:</u>	NASAL PASSAGES	TRACHEA AND BRONCHIAL TREE	PULMONARY PARENCHYMA
	3.10E-01	8.00E-02	2.49E-01

<u>SYSTEMIC RETENTION:</u>		COEFFICIENT	RATE CONSTANT, 1/DAYS
		1.00E-01	1.98E-01
		9.00E-01	1.39E-02

FRACTION FROM GI TRACT TO BLOOD (f_1): 5.00E-02 INGESTION

5.00E-02 CLASS D 5.00E-02 CLASS W 5.00E-02 CLASS Y

EXCRETION PATHWAYS ARE NOT DEFINED:

<u>THE COMMON ISOTOPES OF SILVER:</u>	<u>MASS NUMBER</u>	<u>HALFLIFE, DAYS</u>
	102	8.96E-03
	103	4.56E-02
	104	4.81E-02
	104m	2.33E-02
	105	4.10E+01
	106	1.66E-02
	106m	8.41E+00
	108	STABLE
	111	7.45E+00
	112	1.30E-01
	115	1.39E-02

ELEMENT DATA SHEET

ELEMENT: CADMIUM

PARTICLE SIZE: 1.0E+00 MICRONS

<u>LUNG DEPOSITION:</u>	NASAL PASSAGES	TRACHEA AND BRONCHIAL TREE	PULMONARY PARENCHYMA
	3.10E-01	8.00E-02	2.49E-01

<u>SYSTEMIC RETENTION:</u>	COEFFICIENT	RATE CONSTANT, 1/DAYS
	1.00E+00	7.60E-05

FRACTION FROM GI TRACT TO BLOOD (f_1): 5.00E-02 INGESTION

5.00E-02 CLASS D 5.00E-02 CLASS W 5.00E-02 CLASS Y

EXCRETION PATHWAYS ARE NOT DEFINED:

<u>THE COMMON ISOTOPES OF CADMIUM:</u>	<u>MASS NUMBER</u>	<u>HALFLIFE, DAYS</u>
	104	4.00E-02
	107	2.70E-01
	109	4.64E+02
	112	STABLE
	113	3.40E+18
	113m	4.96E+03
	115	2.23E+00
	115m	4.46E+01
	117	1.04E-01

ELEMENT DATA SHEET

ELEMENT: INDIUM

PARTICLE SIZE: 1.0E+00 MICRONS

<u>LUNG DEPOSITION:</u>	NASAL PASSAGES	TRACHEA AND BRONCHIAL TREE	PULMONARY PARENCHYMA
	3.10E-01	8.00E-02	2.49E-01

<u>SYSTEMIC RETENTION:</u>		COEFFICIENT	RATE CONSTANT, 1/DAYS
		1.00E+00	1.00E-10

FRACTION FROM GI TRACT TO BLOOD (f_1): 2.00E-02 INGESTION

2.00E-02 CLASS D 2.00E-02 CLASS W 0.00E+00 CLASS Y

EXCRETION PATHWAYS ARE NOT DEFINED:

<u>THE COMMON ISOTOPES OF INDIUM:</u>	<u>MASS NUMBER</u>	<u>HALFLIFE, DAYS</u>
	109	1.75E-01
	110	4.80E-02
	110	2.04E-01
	111	2.83E+00
	112	1.00E-02
	113m	6.91E-02
	114	STABLE
	114m	4.95E+01
	115	1.86E+18
	117	3.04E-02

ELEMENT DATA SHEET

ELEMENT: TIN

PARTICLE SIZE: 1.0E+00 MICRONS

<u>LUNG DEPOSITION:</u>	NASAL	TRACHEA AND	PULMONARY
	PASSAGES	BRONCHIAL TREE	PARENCHYMA
	3.10E-01	8.00E-02	2.49E-01

<u>SYSTEMIC RETENTION:</u>		COEFFICIENT	RATE CONSTANT, 1/DAYS
		5.00E-01	2.77E+00
		1.00E-01	1.73E-01
		1.00E-01	2.77E-02
		3.00E-01	1.73E-03

FRACTION FROM GI TRACT TO BLOOD (f_1): 2.00E-02 INGESTION

2.00E-02 CLASS D 2.00E-02 CLASS W 0.00E+00 CLASS Y

EXCRETION PATHWAYS ARE NOT DEFINED:

<u>THE COMMON ISOTOPES OF TIN:</u>	<u>MASS NUMBER</u>	<u>HALFLIFE, DAYS</u>
	110	1.67E-01
	111	2.45E-02
	113	1.15E+02
	119	STABLE
	121	1.13E+00
	125	9.64E+00
	126	3.65E+07
	127	8.75E-02
	128	4.10E-02

ELEMENT DATA SHEET

ELEMENT: ANTIMONY

PARTICLE SIZE: 1.0E+00 MICRONS

LUNG DEPOSITION:	NASAL	TRACHEA AND	PULMONARY
-----	PASSAGES	BRONCHIAL TREE	PARENCHYMA
	3.10E-01	8.00E-02	2.49E-01

SYSTEMIC RETENTION:		COEFFICIENT	RATE CONSTANT, 1/DAYS

		2.00E-01	2.77E+00
		7.60E-01	1.39E-01
		4.00E-02	6.93E-03

FRACTION FROM GI TRACT TO BLOOD (f_1): 1.00E-01 INGESTION

1.00E-01 CLASS D 1.00E-02 CLASS W 0.00E+00 CLASS Y

EXCRETION PATHWAYS ARE NOT DEFINED:

THE COMMON ISOTOPES OF ANTIMONY:	MASS NUMBER	HALFLIFE, DAYS
-----	-----	-----
	115	2.21E-02
	116	1.10E-02
	116m	4.19E-02
	117	1.17E-01
	118m	2.08E-01
	119	1.59E+00
	120	1.10E-02
	120	5.76E+00
	121	STABLE
	122	2.70E+00
	124	6.02E+01

ELEMENT DATA SHEET

ELEMENT: TELLURIUM

PARTICLE SIZE: 1.0E+00 MICRONS

LUNG DEPOSITION:	NASAL	TRACHEA AND	PULMONARY
-----	PASSAGES	BRONCHIAL TREE	PARENCHYMA
	3.10E-01	8.00E-02	2.49E-01

SYSTEMIC RETENTION:		COEFFICIENT	RATE CONSTANT, 1/DAYS

		5.00E-01	8.66E-01
		2.50E-01	1.39E-04
		2.50E-01	3.47E-02

FRACTION FROM GI TRACT TO BLOOD (f_1): 2.00E-01 INGESTION

2.00E-01 CLASS D 2.00E-01 CLASS W 0.00E+00 CLASS Y

FRACTION OF SYSTEMIC UPTAKE EXCRETED THROUGH URINE (f_u): 7.50E-01

FRACTION OF SYSTEMIC UPTAKE EXCRETED THROUGH FECES (f_f): 2.50E-01

THE COMMON ISOTOPES OF TELLURIUM:	MASS NUMBER	HALFLIFE, DAYS
-----	-----	-----
	116	1.04E-01
	121	1.70E+01
	121m	1.54E+02
	123	3.65E+15
	123m	1.20E+02
	127	3.90E-01
	128	STABLE
	129	4.83E-02
	131	1.74E-02
	132	3.26E+00
	133	8.65E-03

ELEMENT DATA SHEET

ELEMENT: IODINE

PARTICLE SIZE: 1.0E+00 MICRONS

LUNG DEPOSITION:	NASAL	TRACHEA AND	PULMONARY
-----	PASSAGES	BRONCHIAL TREE	PARENCHYMA
	3.10E-01	8.00E-02	2.49E-01

SYSTEMIC RETENTION:		COEFFICIENT	RATE CONSTANT, 1/DAYS

		7.00E-01	2.77E+00
		- 3.47E-02	6.02E-02
		3.35E-01	6.05E-03

THYROID RETENTION:		COEFFICIENT	RATE CONSTANT, 1/DAYS

		- 3.01E-01	2.77E+00
		1.50E-02	6.02E-02
		2.86E-01	6.05E-03

FRACTION FROM GI TRACT TO BLOOD (f_1): 1.00E+00 INGESTION

1.00E+00 CLASS D 0.00E+00 CLASS W 0.00E+00 CLASS Y

FRACTION OF SYSTEMIC UPTAKE EXCRETED THROUGH URINE (f_u): 9.7E-01

FRACTION OF SYSTEMIC UPTAKE EXCRETED THROUGH FECES (f_f): 3.0E-02

<u>THE COMMON ISOTOPES OF IODINE:</u>	<u>MASS NUMBER</u>	<u>HALFLIFE, DAYS</u>
	120	5.63E-02
	120m	3.68E-02
	121	8.83E-02
	123	5.50E-01
	124	4.18E+00
	125	6.01E+01
	126	1.30E+01
	127	STABLE
	128	1.74E-02
	129	5.73E+09
	131	8.04E+00
	132	9.58E-02
	133	8.67E-01
	134	3.65E-02
	135	2.74E-01

ELEMENT DATA SHEET

ELEMENT: CESIUM

PARTICLE SIZE: 1.0E+00 MICRONS

LUNG DEPOSITION:	NASAL	TRACHEA AND	PULMONARY
-----	PASSAGES	BRONCHIAL TREE	PARENCHYMA
	3.10E-01	8.00E-02	2.49E-01

SYSTEMIC RETENTION:		COEFFICIENT	RATE CONSTANT, 1/DAYS

		1.00E-01	3.47E-01
		9.00E-01	6.30E-03

FRACTION FROM GI TRACT TO BLOOD (f_1): 1.00E+00 INGESTION

1.00E+00 CLASS D 0.00E+00 CLASS W 0.00E+00 CLASS Y

FRACTION OF SYSTEMIC UPTAKE EXCRETED THROUGH URINE (f_u): 8.00E-01

FRACTION OF SYSTEMIC UPTAKE EXCRETED THROUGH FECES (f_f): 2.00E-01

THE COMMON ISOTOPES OF CESIUM:	MASS NUMBER	HALFLIFE, DAYS
-----	-----	-----
	125	3.13E-02
	127	2.60E-01
	129	1.34E+00
	130	2.08E-02
	131	9.69E+00
	132	6.48E+00
	133	STABLE
	134	7.53E+02
	134m	1.21E-01
	135	8.40E+08
	135m	3.68E-02

ELEMENT DATA SHEET

ELEMENT: BARIUM

PARTICLE SIZE: 1.0E+00 MICRONS

LUNG DEPOSITION:	NASAL	TRACHEA AND	PULMONARY
-----	PASSAGES	BRONCHIAL TREE	PARENCHYMA
	3.10E-01	8.00E-02	2.49E-01

SYSTEMIC RETENTION:		COEFFICIENT	RATE CONSTANT, 1/DAYS

		5.63E-01	5.46E+01
		2.62E-01	6.21E-01
		1.15E-01	2.38E-01
		2.10E-02	7.92E-03
		1.02E-02	1.82E-03
		1.35E-02	5.05E-04
		1.60E-02	1.29E-04

FRACTION FROM GI TRACT TO BLOOD (f_1): 1.00E-01 INGESTION

1.00E-01 CLASS D 0.00E+00 CLASS W 0.00E+00 CLASS Y

FRACTION OF SYSTEMIC UPTAKE EXCRETED THROUGH URINE (f_u): 1.00E-01

FRACTION OF SYSTEMIC UPTAKE EXCRETED THROUGH FECES (f_f): 9.00E-01

THE COMMON ISOTOPES OF BARIUM:	MASS NUMBER	HALFLIFE, DAYS
-----	-----	-----
	128	2.43E+00
	131	1.18E+01
	133	3.92E+03
	133 _m	1.62E+00
	137	STABLE
	140	1.27E+01

ELEMENT DATA SHEET

ELEMENT: LANTHANUM

PARTICLE SIZE: 1.0E+00 MICRONS

LUNG DEPOSITION:	NASAL	TRACHEA AND	PULMONARY
-----	PASSAGES	BRONCHIAL TREE	PARENCHYMA
	3.10E-01	8.00E-02	2.49E-01

SYSTEMIC RETENTION:			RATE CONSTANT,
-----		COEFFICIENT	1/DAYS
		1.00E+00	1.98E-04

FRACTION FROM GI TRACT TO BLOOD (f_1): 1.00E-03 INGESTION

1.00E-03 CLASS D 1.00E-03 CLASS W 0.00E+00 CLASS Y

EXCRETION PATHWAYS ARE NOT DEFINED:

<u>THE COMMON ISOTOPES OF LANTHANUM:</u>	<u>MASS NUMBER</u>	<u>HALFLIFE, DAYS</u>
	131	4.10E-02
	132	2.00E-01
	135	8.13E-01
	137	2.19E+07
	138	4.93E+13
	139	STABLE
	140	1.68E+00
	141	1.64E-01
	142	6.42E-02

ELEMENT DATA SHEET

ELEMENT: CERIUM

PARTICLE SIZE: 1.0E+00 MICRONS

LUNG DEPOSITION:	NASAL	TRACHEA AND	PULMONARY
-----	PASSAGES	BRONCHIAL TREE	PARENCHYMA
	3.10E-01	8.00E-02	2.49E-01

SYSTEMIC RETENTION:		COEFFICIENT	RATE CONSTANT,
-----			1/DAYS
		1.00E+00	1.98E-04

FRACTION FROM GI TRACT TO BLOOD (f_1): 3.00E-04 INGESTION

0.00E+00 CLASS D 3.00E-04 CLASS W 3.00E-04 CLASS Y

EXCRETION PATHWAYS ARE NOT DEFINED:

THE COMMON ISOTOPES OF CERIUM:	MASS NUMBER	HALFLIFE, DAYS
-----	-----	-----
	134	3.00E+00
	135	7.33E-01
	137	3.75E-01
	137 _m	1.43E+00
	139	1.38E+02
	140	STABLE
	141	3.25E+01
	143	1.38E+00
	144	2.84E+02

ELEMENT DATA SHEET

ELEMENT: PRASEODYMIUM

PARTICLE SIZE: 1.0E+00 MICRONS

LUNG DEPOSITION:	NASAL	TRACHEA AND	PULMONARY
-----	PASSAGES	BRONCHIAL TREE	PARENCHYMA
	3.10E-01	8.00E-02	2.49E-01

SYSTEMIC RETENTION:		COEFFICIENT	RATE CONSTANT, 1/DAYS

		8.50E-01	1.98E-04
		5.00E-02	6.93E-02
		1.00E-01	2.77E+00

FRACTION FROM GI TRACT TO BLOOD (f_1): 3.00E-04 INGESTION

0.00E+00 CLASS D 3.00E-04 CLASS W 3.00E-04 CLASS Y

EXCRETION PATHWAYS ARE NOT DEFINED:

THE COMMON ISOTOPES OF PRASEODYMIUM:	MASS NUMBER	HALFLIFE, DAYS
-----	-----	-----
	136	9.10E-03
	137	5.32E-02
	138m	8.75E-02
	139	1.88E-01
	141	STABLE
	142	7.98E-01
	142m	1.01E-02
	143	1.36E+01
	144	1.20E-02
	145	2.49E-01
	147	9.44E-03

ELEMENT DATA SHEET

ELEMENT: NEODYMIUM

PARTICLE SIZE: 1.0E+00 MICRONS

LUNG DEPOSITION:	NASAL	TRACHEA AND	PULMONARY
-----	PASSAGES	BRONCHIAL TREE	PARENCHYMA
	3.10E-01	8.00E-02	2.49E-01

SYSTEMIC RETENTION:		COEFFICIENT	RATE CONSTANT, 1/DAYS

		9.00E-01	1.98E-04
		1.00E-01	2.77E+00

FRACTION FROM GI TRACT TO BLOOD (f_1): 3.00E-04 INGESTION

0.00E+00 CLASS D 3.00E-04 CLASS W 3.00E-04 CLASS Y

EXCRETION PATHWAYS ARE NOT DEFINED:

THE COMMON ISOTOPES OF NEODYMIUM:	MASS NUMBER	HALFLIFE, DAYS
-----	-----	-----
	136	3.52E-02
	138	2.10E-01
	139	2.06E-02
	141	1.04E-01
	144	STABLE
	147	1.10E+01
	149	7.21E-02
	151	8.64E-03

ELEMENT DATA SHEET

ELEMENT: PROMETHIUM

PARTICLE SIZE: 1.0E+00 MICRONS

LUNG DEPOSITION:	NASAL	TRACHEA AND	PULMONARY
-----	PASSAGES	BRONCHIAL TREE	PARENCHYMA
	3.10E-01	8.00E-02	2.49E-01

SYSTEMIC RETENTION:			RATE CONSTANT,
-----		COEFFICIENT	1/DAYS
		1.00E-01	2.77E+00
		9.00E-01	1.98E-04

FRACTION FROM GI TRACT TO BLOOD (f_1): 3.00E-04 INGESTION

0.00E+00 CLASS D 3.00E-04 CLASS W 3.00E-04 CLASS Y

EXCRETION PATHWAYS ARE NOT DEFINED:

THE COMMON ISOTOPES OF PROMETHIUM:	MASS NUMBER	HALFLIFE, DAYS
-----	-----	-----
	141	1.45E-02
	143	2.65E+02
	144	3.63E+02
	145	6.46E+03
	146	2.02E+03
	147	9.58E+02
	148	5.37E+00
	148m	4.13E+01
	149	2.21E+00

ELEMENT DATA SHEET

ELEMENT: SAMARIUM

PARTICLE SIZE: 1.0E+00 MICRONS

LUNG DEPOSITION:	NASAL	TRACHEA AND	PULMONARY
-----	PASSAGES	BRONCHIAL TREE	PARENCHYMA
	3.10E-01	8.00E-02	2.49E-01

SYSTEMIC RETENTION:		COEFFICIENT	RATE CONSTANT, 1/DAYS

		9.00E-01	1.98E-04
		1.00E-01	2.77E+00

FRACTION FROM GI TRACT TO BLOOD (f_1): 3.00E-04 INGESTION

0.00E+00 CLASS D 3.00E-04 CLASS W 0.00E+00 CLASS Y

EXCRETION PATHWAYS ARE NOT DEFINED:

THE COMMON ISOTOPES OF SAMARIUM:	MASS NUMBER	HALFLIFE, DAYS
-----	-----	-----
	141	7.08E-03
	141m	1.57E-02
	142	5.03E-02
	145	3.40E+02
	146	3.76E+10
	147	3.87E+13
	150	STABLE
	151	3.29E+04
	153	1.95E+00
	155	1.54E-02

ELEMENT DATA SHEET

ELEMENT: EUROPIUM

PARTICLE SIZE: 1.0E+00 MICRONS

LUNG DEPOSITION:	NASAL	TRACHEA AND	PULMONARY
-----	PASSAGES	BRONCHIAL TREE	PARENCHYMA
	3.10E-01	8.00E-02	2.49E-01

SYSTEMIC RETENTION:		COEFFICIENT	RATE CONSTANT, 1/DAYS

		8.00E-01	1.98E-04
		6.00E-02	6.93E-02
		1.40E-01	2.77E+00

FRACTION FROM GI TRACT TO BLOOD (f_1): 1.00E-03 INGESTION

0.00E+00 CLASS D 1.00E-03 CLASS W 0.00E+00 CLASS Y

EXCRETION PATHWAYS ARE NOT DEFINED:

THE COMMON ISOTOPES OF EUROPIUM:	MASS NUMBER	HALFLIFE, DAYS
-----	-----	-----
	145	5.94E+00
	146	4.61E+00
	147	2.40E+01
	148	5.45E+01
	149	9.31E+01
	150	5.26E-01
	150	1.25E+04
	151	STABLE
	152	4.87E+03
	152m	3.88E-01

ELEMENT DATA SHEET

ELEMENT: GADOLINIUM

PARTICLE SIZE: 1.0E+00 MICRONS

<u>LUNG DEPOSITION:</u>	NASAL PASSAGES	TRACHEA AND BRONCHIAL TREE	PULMONARY PARENCHYMA
	3.10E-01	8.00E-02	2.49E-01

<u>SYSTEMIC RETENTION:</u>		COEFFICIENT	RATE CONSTANT, 1/DAYS
		7.50E-01	1.98E-04
		3.00E-02	6.93E-02
		2.20E-01	2.77E+00

FRACTION FROM GI TRACT TO BLOOD (f_1): 3.00E-04 INGESTION

3.00E-04 CLASS D 3.00E-04 CLASS W 0.00E+00 CLASS Y

EXCRETION PATHWAYS ARE NOT DEFINED:

<u>THE COMMON ISOTOPES OF GADOLINIUM:</u>	<u>MASS NUMBER</u>	<u>HALFLIFE, DAYS</u>
	145	1.59E-02
	146	4.83E+01
	147	1.59E+00
	148	3.39E+04
	149	9.40E+00
	151	1.20E+02
	152	3.94E+16
	153	2.42E+02
	157	STABLE

ELEMENT DATA SHEET

ELEMENT: TERBIUM

PARTICLE SIZE: 1.0E+00 MICRONS

LUNG DEPOSITION:	NASAL	TRACHEA AND	PULMONARY
-----	PASSAGES	BRONCHIAL TREE	PARENCHYMA
	3.10E-01	8.00E-02	2.49E-01

SYSTEMIC RETENTION:			RATE CONSTANT,
-----		COEFFICIENT	1/DAYS
		7.50E-01	1.98E-04
		5.00E-02	6.93E-02
		2.00E-01	2.77E+00

FRACTION FROM GI TRACT TO BLOOD (f_1): 3.00E-04 INGESTION

0.00E+00 CLASS D 3.00E-04 CLASS W 0.00E+00 CLASS Y

EXCRETION PATHWAYS ARE NOT DEFINED:

THE COMMON ISOTOPES OF TERBIUM:	MASS NUMBER	HALFLIFE, DAYS
-----	-----	-----
	147	6.88E-02
	149	1.73E-01
	150	1.36E-01
	151	7.33E-01
	153	2.34E+00
	154	8.92E-01
	155	5.32E+00
	156	5.34E+00
	156m	1.02E+00
	156m	2.08E-01
	159	STABLE

ELEMENT DATA SHEET

ELEMENT: DYSPROSIUM

PARTICLE SIZE: 1.0E+00 MICRONS

LUNG DEPOSITION:	NASAL	TRACHEA AND	PULMONARY
-----	PASSAGES	BRONCHIAL TREE	PARENCHYMA
	3.10E-01	8.00E-02	2.49E-01

SYSTEMIC RETENTION:		COEFFICIENT	RATE CONSTANT, 1/DAYS

		7.00E-01	1.98E-04
		2.00E-02	6.93E-02
		2.80E-01	2.77E+00

FRACTION FROM GI TRACT TO BLOOD (f_1): 3.00E-04 INGESTION

0.00E+00 CLASS D 3.00E-04 CLASS W 0.00E+00 CLASS Y

EXCRETION PATHWAYS ARE NOT DEFINED:

THE COMMON ISOTOPES OF DYSPROSIUM:	MASS NUMBER	HALFLIFE, DAYS
-----	-----	-----
	155	4.17E-01
	157	3.38E-01
	159	1.44E+02
	162	STABLE
	165	9.73E-02
	166	3.40E+00

ELEMENT DATA SHEET

ELEMENT: HOLMIUM

PARTICLE SIZE: 1.0E+00 MICRONS

<u>LUNG DEPOSITION:</u>	NASAL PASSAGES	TRACHEA AND BRONCHIAL TREE	PULMONARY PARENCHYMA
	3.10E-01	8.00E-02	2.49E-01

<u>SYSTEMIC RETENTION:</u>	COEFFICIENT	RATE CONSTANT, 1/DAYS
	8.50E-01	1.98E-04
	1.50E-01	2.77E+00

FRACTION FROM GI TRACT TO BLOOD (f_1): 3.00E-04 INGESTION

0.00E+00 CLASS D 3.00E-04 CLASS W 0.00E+00 CLASS Y

EXCRETION PATHWAYS ARE NOT DEFINED:

<u>THE COMMON ISOTOPES OF HOLMIUM:</u>	<u>MASS NUMBER</u>	<u>HALFLIFE, DAYS</u>
	155	3.33E-02
	157	8.75E-03
	159	2.29E-02
	161	1.04E-01
	162	1.04E-02
	162m	4.72E-02
	164	2.01E-02
	164m	2.60E-02
	165	STABLE
	166	1.12E+00

ELEMENT DATA SHEET

ELEMENT: ERBIUM

PARTICLE SIZE: 1.0E+00 MICRONS

LUNG DEPOSITION:	NASAL	TRACHEA AND	PULMONARY
-----	PASSAGES	BRONCHIAL TREE	PARENCHYMA
	3.10E-01	8.00E-02	2.49E-01

SYSTEMIC RETENTION:		COEFFICIENT	RATE CONSTANT, 1/DAYS
-----		7.50E-01	1.98E-04
		2.50E-01	2.77E+00

FRACTION FROM GI TRACT TO BLOOD (f_1): 3.00E-04 INGESTION

0.00E+00 CLASS D 3.00E-04 CLASS W 0.00E+00 CLASS Y

EXCRETION PATHWAYS ARE NOT DEFINED:

THE COMMON ISOTOPES OF ERBIUM:	MASS NUMBER	HALFLIFE, DAYS
-----	-----	-----
	161	1.35E-01
	165	4.32E-01
	167	STABLE
	169	9.30E+00
	171	3.13E-01
	172	2.05E+00

ELEMENT DATA SHEET

ELEMENT: THULIUM

PARTICLE SIZE: 1.0E+00 MICRONS

<u>LUNG DEPOSITION:</u>	NASAL PASSAGES	TRACHEA AND BRONCHIAL TREE	PULMONARY PARENCHYMA
	3.10E-01	8.00E-02	2.49E-01

<u>SYSTEMIC RETENTION:</u>	COEFFICIENT	RATE CONSTANT, 1/DAYS
	7.90E-01	1.98E-04
	2.10E-01	2.77E+00

FRACTION FROM GI TRACT TO BLOOD (f_1): 3.00E-04 INGESTION

0.00E+00 CLASS D 3.00E-04 CLASS W 0.00E+00 CLASS Y

EXCRETION PATHWAYS ARE NOT DEFINED:

<u>THE COMMON ISOTOPES OF THULIUM:</u>	<u>MASS NUMBER</u>	<u>HALFLIFE, DAYS</u>
	162	1.51E-02
	166	3.21E-01
	167	9.24E+00
	169	STABLE
	170	1.29E+02
	171	7.01E+02
	172	2.65E+00
	173	3.43E-01
	175	1.06E-02

ELEMENT DATA SHEET

ELEMENT: YTTERBIUM

PARTICLE SIZE: 1.0E+00 MICRONS

LUNG DEPOSITION:	NASAL	TRACHEA AND	PULMONARY
-----	PASSAGES	BRONCHIAL TREE	PARENCHYMA
	3.10E-01	8.00E-02	2.49E-01

SYSTEMIC RETENTION:		COEFFICIENT	RATE CONSTANT, 1/DAYS

		5.35E-01	1.98E-04
		2.00E-02	6.93E-02
		4.45E-01	2.27E+00

FRACTION FROM GI TRACT TO BLOOD (f_1): 3.00E-04 INGESTION

0.00E+00 CLASS D 3.00E-04 CLASS W 3.00E-04 CLASS Y

EXCRETION PATHWAYS ARE NOT DEFINED:

THE COMMON ISOTOPES OF YTTERBIUM:	MASS NUMBER	HALFLIFE, DAYS
-----	-----	-----
	162	1.31E-02
	166	2.36E+00
	167	1.22E-02
	169	3.20E+01
	173	STABLE
	175	4.19E+00
	177	7.92E-02
	178	5.14E-02

ELEMENT DATA SHEET

ELEMENT: LUTETIUM

PARTICLE SIZE: 1.0E+00 MICRONS

LUNG DEPOSITION:	NASAL	TRACHEA AND	PULMONARY
-----	PASSAGES	BRONCHIAL TREE	PARENCHYMA
	3.10E-01	8.00E-02	2.49E-01

SYSTEMIC RETENTION:			RATE CONSTANT,
-----		COEFFICIENT	1/DAYS
		6.20E-01	1.98E-04
		5.00E-03	6.93E-02
		3.75E-01	2.27E+00

FRACTION FROM GI TRACT TO BLOOD (f_1): 3.00E-04 INGESTION

0.00E+00 CLASS D 3.00E-04 CLASS W 3.00E-04 CLASS Y

EXCRETION PATHWAYS ARE NOT DEFINED:

THE COMMON ISOTOPES OF LUTETIUM:	MASS NUMBER	HALFLIFE, DAYS
-----	-----	-----
	169	1.42E+00
	170	2.00E+00
	171	8.22E+00
	172	6.70E+00
	173	5.00E+02
	174	1.21E+03
	174m	1.42E+02
	175	STABLE
	176	1.31E+13
	176m	1.53E-01

ELEMENT DATA SHEET

ELEMENT: HAFNIUM

PARTICLE SIZE: 1.0E+00 MICRONS

LUNG DEPOSITION:	NASAL	TRACHEA AND	PULMONARY
-----	PASSAGES	BRONCHIAL TREE	PARENCHYMA
	3.10E-01	8.00E-02	2.49E-01

SYSTEMIC RETENTION:		COEFFICIENT	RATE CONSTANT, 1/DAYS
-----		5.00E-01	8.66E-05
		5.00E-01	9.90E-02

FRACTION FROM GI TRACT TO BLOOD (f_1): 2.00E-03 INGESTION

2.00E-03 CLASS D 2.00E-03 CLASS W 0.00E+00 CLASS Y

EXCRETION PATHWAYS ARE NOT DEFINED:

THE COMMON ISOTOPES OF HAFNIUM:	MASS NUMBER	HALFLIFE, DAYS
-----	-----	-----
	170	6.67E-01
	172	6.83E+02
	173	1.00E+00
	175	7.00E+01
	177m	3.57E-02
	178m	1.13E+04
	179	STABLE
	181	4.24E+01
	182	3.29E+09
	183	4.44E-02

ELEMENT DATA SHEET

ELEMENT: TANTALUM

PARTICLE SIZE: 1.0E+00 MICRONS

LUNG DEPOSITION:	NASAL	TRACHEA AND	PULMONARY
-----	PASSAGES	BRONCHIAL TREE	PARENCHYMA
	3.10E-01	8.00E-02	2.49E-01

SYSTEMIC RETENTION:			RATE CONSTANT,
-----		COEFFICIENT	1/DAYS
		3.50E-01	1.73E-01
		6.50E-01	6.93E-03

FRACTION FROM GI TRACT TO BLOOD (f_1): 1.00E-03 INGESTION

0.00E+00 CLASS D 1.00E-03 CLASS W 1.00E-03 CLASS Y

EXCRETION PATHWAYS ARE NOT DEFINED:

THE COMMON ISOTOPES OF TANTALUM:	MASS NUMBER	HALFLIFE, DAYS
-----	-----	-----
	172	2.56E-02
	173	1.52E-01
	174	5.00E-02
	175	4.38E-01
	176	3.37E-01
	177	2.36E+00
	178	9.20E-02
	180m	3.38E-01
	181	STABLE
	182m	1.10E-02

ELEMENT DATA SHEET

ELEMENT: TUNGSTEN

PARTICLE SIZE: 1.0E+00 MICRONS

LUNG DEPOSITION:	NASAL	TRACHEA AND	PULMONARY
-----	PASSAGES	BRONCHIAL TREE	PARENCHYMA
	3.10E-01	8.00E-02	2.49E-01

SYSTEMIC RETENTION:		COEFFICIENT	RATE CONSTANT, 1/DAYS

		9.50E-01	2.77E+00
		2.25E-02	1.39E-01
		1.00E-02	6.93E-03
		1.75E-02	6.93E-04

FRACTION FROM GI TRACT TO BLOOD (f_1): 1.00E-02 INGESTION

3.00E-01 CLASS D 0.00E+00 CLASS W 0.00E+00 CLASS Y

EXCRETION PATHWAYS ARE NOT DEFINED:

THE COMMON ISOTOPES OF TUNGSTEN:	MASS NUMBER	HALFLIFE, DAYS
-----	-----	-----
	176	9.59E-02
	177	9.38E-02
	178	2.17E+01
	179	2.60E-02
	181	1.21E+02
	184	STABLE
	185	7.51E+01
	187	9.96E-01
	188	6.94E+01

ELEMENT DATA SHEET

ELEMENT: RHENIUM

PARTICLE SIZE: 1.0E+00 MICRONS

<u>LUNG DEPOSITION:</u>	<u>NASAL</u>	<u>TRACHEA AND</u>	<u>PULMONARY</u>
	<u>PASSAGES</u>	<u>BRONCHIAL TREE</u>	<u>PARENCHYMA</u>
	3.10E-01	8.00E-02	2.49E-01

<u>SYSTEMIC RETENTION:</u>	<u>COEFFICIENT</u>	<u>RATE CONSTANT,</u>
		<u>1/DAYS</u>
	4.00E-02	1.39E+00
	7.20E-01	4.33E-01
	1.92E-01	1.87E-01
	4.80E-02	3.15E-02

FRACTION FROM GI TRACT TO BLOOD (f_1): 8.00E-01 INGESTION

8.00E-01 CLASS D 8.00E-01 CLASS W 0.00E+00 CLASS Y

EXCRETION PATHWAYS ARE NOT DEFINED:

<u>THE COMMON ISOTOPES OF RHENIUM:</u>	<u>MASS NUMBER</u>	<u>HALFLIFE, DAYS</u>
	177	9.72E-03
	178	9.17E-03
	181	8.33E-01
	182	2.67E+00
	182	5.53E-01
	184	3.80E+01
	184m	1.65E+02
	186	3.78E+00
	186m	7.30E+07
	187	1.83E+13

ELEMENT DATA SHEET

ELEMENT: OSMIUM

PARTICLE SIZE: 1.0E+00 MICRONS

LUNG DEPOSITION:	NASAL	TRACHEA AND	PULMONARY
-----	PASSAGES	BRONCHIAL TREE	PARENCHYMA
	3.10E-01	8.00E-02	2.49E-01

SYSTEMIC RETENTION:		COEFFICIENT	RATE CONSTANT, 1/DAYS

		1.60E-01	8.66E-02
		6.40E-01	3.47E-03
		2.00E-01	2.77E+00

FRACTION FROM GI TRACT TO BLOOD (f_1): 1.00E-02 INGESTION

1.00E-02 CLASS D 1.00E-02 CLASS W 1.00E-02 CLASS Y

EXCRETION PATHWAYS ARE NOT DEFINED:

THE COMMON ISOTOPES OF OSMIUM:	MASS NUMBER	HALFLIFE, DAYS
-----	-----	-----
	180	1.53E-02
	181	7.29E-02
	182	9.17E-01
	185	9.40E+01
	189m	2.50E-01
	190	STABLE
	191	1.54E+01
	191m	5.43E-01
	193	1.25E+00
	194	2.19E+03

ELEMENT DATA SHEET

ELEMENT: IRIDIUM

PARTICLE SIZE: 1.0E+00 MICRONS

<u>LUNG DEPOSITION:</u>	NASAL PASSAGES	TRACHEA AND BRONCHIAL TREE	PULMONARY PARENCHYMA
	3.10E-01	8.00E-02	2.49E-01

<u>SYSTEMIC RETENTION:</u>	COEFFICIENT	RATE CONSTANT, 1/DAYS
	1.60E-01	8.66E-02
	6.40E-01	3.47E-03
	2.00E-01	2.77E+00

FRACTION FROM GI TRACT TO BLOOD (f_1): 1.00E-02 INGESTION

1.00E-02 CLASS D 1.00E-02 CLASS W 1.00E-02 CLASS Y

EXCRETION PATHWAYS ARE NOT DEFINED:

<u>THE COMMON ISOTOPES OF IRIDIUM:</u>	<u>MASS NUMBER</u>	<u>HALFLIFE, DAYS</u>
	182	1.04E-02
	184	1.26E-01
	185	5.83E-01
	186	6.58E-01
	187	4.38E-01
	188	1.73E+00
	189	1.33E+01
	190	1.21E+01
	190m	5.00E-02
	192m	8.80E+04
	193	STABLE

ELEMENT DATA SHEET

ELEMENT: PLATINUM

PARTICLE SIZE: 1.0E+00 MICRONS

LUNG DEPOSITION:	NASAL	TRACHEA AND	PULMONARY
-----	PASSAGES	BRONCHIAL TREE	PARENCHYMA
	3.10E-01	8.00E-02	2.49E-01

SYSTEMIC RETENTION:			RATE CONSTANT,
-----		COEFFICIENT	1/DAYS
		2.00E-01	2.77E+00
		7.60E-01	8.66E-02
		4.00E-02	3.47E-03

FRACTION FROM GI TRACT TO BLOOD (f_1): 1.00E-02 INGESTION

1.00E-02 CLASS D 0.00E+00 CLASS W 0.00E+00 CLASS Y

EXCRETION PATHWAYS ARE NOT DEFINED:

THE COMMON ISOTOPES OF PLATINUM:	MASS NUMBER	HALFLIFE, DAYS
-----	-----	-----
	186	8.33E-02
	188	1.02E+01
	189	4.53E-01
	191	2.80E+00
	193	1.83E+04
	193m	4.33E+00
	195	STABLE
	195m	4.02E+00
	197	7.63E-01
	199	2.14E-02
	200	5.21E-01

ELEMENT DATA SHEET

ELEMENT: GOLD

PARTICLE SIZE: 1.0E+00 MICRONS

<u>LUNG DEPOSITION:</u>	NASAL PASSAGES	TRACHEA AND BRONCHIAL TREE	PULMONARY PARENCHYMA
	3.10E-01	8.00E-02	2.49E-01

<u>SYSTEMIC RETENTION:</u>		COEFFICIENT	RATE CONSTANT, 1/DAYS
		1.00E+00	2.31E-01

FRACTION FROM GI TRACT TO BLOOD (f_1): 1.00E-01 INGESTION

1.00E-01 CLASS D 1.00E-01 CLASS W 1.00E-01 CLASS Y

EXCRETION PATHWAYS ARE NOT DEFINED:

<u>THE COMMON ISOTOPES OF GOLD:</u>	<u>MASS NUMBER</u>	<u>HALFLIFE, DAYS</u>
	193	7.35E-01
	194	1.65E+00
	195	1.83E+02
	197	STABLE
	198	2.70E+00
	198m	2.30E+00
	199	3.14E+00
	200	3.36E-02
	200m	7.79E-01
	201	1.83E-02

ELEMENT DATA SHEET

ELEMENT: MERCURY (ORG.)

PARTICLE SIZE: 1.0E+00 MICRONS

LUNG DEPOSITION:	NASAL	TRACHEA AND	PULMONARY
-----	PASSAGES	BRONCHIAL TREE	PARENCHYMA
	3.10E-01	8.00E-02	2.49E-01

SYSTEMIC RETENTION:		COEFFICIENT	RATE CONSTANT, 1/DAYS

		9.50E-01	8.66E-03
		5.00E-02	6.93E-05

FRACTION FROM GI TRACT TO BLOOD (f_1): 4.00E-01 INGESTION

1.00E+00 CLASS D 0.00E+00 CLASS W 0.00E+00 CLASS Y

EXCRETION PATHWAYS ARE NOT DEFINED:

THE COMMON ISOTOPES OF MERCURY(ORG.)	MASS NUMBER	HALFLIFE, DAYS
-----	-----	-----
	193	1.46E-01
	193m	4.63E-01
	194	9.49E+04
	195	4.13E-01
	195m	1.73E+00
	197	2.67E+00
	200	STABLE
	203	4.66E+01

ELEMENT DATA SHEET

ELEMENT: THALLIUM

PARTICLE SIZE: 1.0E+00 MICRONS

LUNG DEPOSITION:	NASAL	TRACHEA AND	PULMONARY
-----	PASSAGES	BRONCHIAL TREE	PARENCHYMA
	3.10E-01	8.00E-02	2.49E-01

SYSTEMIC RETENTION:			RATE CONSTANT,
-----		COEFFICIENT	1/DAYS
		1.00E+00	6.93E-02

FRACTION FROM GI TRACT TO BLOOD (f_1): 1.00E+00 INGESTION

1.00E+00 CLASS D 0.00E+00 CLASS W 0.00E+00 CLASS Y

EXCRETION PATHWAYS ARE NOT DEFINED:

THE COMMON ISOTOPES OF THALLIUM:	MASS NUMBER	HALFLIFE, DAYS
-----	-----	-----
	194	2.30E-02
	194 _m	2.28E-02
	195	4.83E-02
	197	1.18E-01
	198	2.21E-01
	198 _m	7.79E-02
	199	3.10E-01
	200	1.09E+00
	201	3.04E+00
	202	1.22E+01
	205	STABLE

ELEMENT DATA SHEET

ELEMENT: LEAD

PARTICLE SIZE: 1.0E+00 MICRONS

<u>LUNG DEPOSITION:</u>	NASAL PASSAGES	TRACHEA AND BRONCHIAL TREE	PULMONARY PARENCHYMA
	3.10E-01	8.00E-02	2.49E-01

<u>SYSTEMIC RETENTION:</u>	COEFFICIENT	RATE CONSTANT, 1/DAYS
	6.90E-01	5.78E-02
	1.91E-01	3.85E-03
	1.19E-01	6.93E-05

FRACTION FROM GI TRACT TO BLOOD (f_1): 2.00E-01 INGESTION

2.00E-01 CLASS D 0.00E+00 CLASS W 0.00E+00 CLASS Y

EXCRETION PATHWAYS ARE NOT DEFINED:

<u>THE COMMON ISOTOPES OF LEAD:</u>	<u>MASS NUMBER</u>	<u>HALFLIFE, DAYS</u>
	195m	1.10E-02
	198	1.00E-01
	199	6.25E-02
	200	8.96E-01
	201	3.92E-01
	202	1.10E+08
	202m	1.51E-01
	203	2.17E+00
	205	5.22E+09
	207	STABLE
	209	1.36E-01

ELEMENT DATA SHEET

ELEMENT: BISMUTH

PARTICLE SIZE: 1.0E+00 MICRONS

LUNG DEPOSITION: NASAL ----- PASSAGES	TRACHEA AND BRONCHIAL TREE	PULMONARY PARENCHYMA
3.10E-01	8.00E-02	2.49E-01

SYSTEMIC RETENTION: -----	COEFFICIENT	RATE CONSTANT, 1/DAYS
	4.20E-01	1.16E+00
	2.80E-01	1.39E-01
	3.00E-01	2.77E+00

FRACTION FROM GI TRACT TO BLOOD (f_1): 5.00E-02 INGESTION

5.00E-02 CLASS D 5.00E-02 CLASS W 0.00E+00 CLASS Y

EXCRETION PATHWAYS ARE NOT DEFINED:

THE COMMON ISOTOPES OF BISMUTH: -----	MASS NUMBER -----	HALFLIFE, DAYS -----
	200	2.53E-02
	201	7.50E-02
	202	6.96E-02
	203	4.90E-01
	205	1.53E+01
	206	6.24E+00
	207	1.39E+04
	209	STABLE
	210	5.01E+00
	210m	1.10E+09

ELEMENT DATA SHEET

ELEMENT: POLONIUM

PARTICLE SIZE: 1.0E+00 MICRONS

<u>LUNG DEPOSITION:</u>	NASAL PASSAGES	TRACHEA AND BRONCHIAL TREE	PULMONARY PARENCHYMA
	3.10E-01	8.00E-02	2.49E-01

<u>SYSTEMIC RETENTION:</u>	COEFFICIENT	RATE CONSTANT, 1/DAYS
	1.00E+00	1.39E-02

FRACTION FROM GI TRACT TO BLOOD (f_1): 1.00E-01 INGESTION

1.00E-01 CLASS D 1.00E-01 CLASS W 0.00E+00 CLASS Y

FRACTION OF SYSTEMIC UPTAKE EXCRETED THROUGH URINE (f_u): 1.00E-01

FRACTION OF SYSTEMIC UPTAKE EXCRETED THROUGH FECES (f_f): 9.00E-01

<u>THE COMMON ISOTOPES OF BERYLLIUM:</u>	<u>MASS NUMBER</u>	<u>HALFLIFE, DAYS</u>
	203	2.55E-02
	205	7.50E-02
	207	2.43E-01
	210	1.38E+02

ELEMENT DATA SHEET

ELEMENT: ASTATINE

PARTICLE SIZE: 1.0E+00 MICRONS

LUNG DEPOSITION:	NASAL	TRACHEA AND	PULMONARY
-----	PASSAGES	BRONCHIAL TREE	PARENCHYMA
	3.10E-01	8.00E-02	2.49E-01

SYSTEMIC RETENTION:			RATE CONSTANT,
-----		COEFFICIENT	1/DAYS
		1.00E+00	6.93E-02

FRACTION FROM GI TRACT TO BLOOD (f_1): 1.00E+00 INGESTION

1.00E+00 CLASS D 1.00E+00 CLASS W 0.00E+00 CLASS Y

EXCRETION PATHWAYS ARE NOT DEFINED:

THE COMMON ISOTOPES OF ASTATINE:	MASS NUMBER	HALFLIFE, DAYS
-----	-----	-----
	207	7.50E-02
	209	STABLE
	211	3.01E-01

ELEMENT DATA SHEET

ELEMENT: FRANCIUM

PARTICLE SIZE: 1.0E+00 MICRONS

<u>LUNG DEPOSITION:</u>	NASAL PASSAGES	TRACHEA AND BRONCHIAL TREE	PULMONARY PARENCHYMA
	3.10E-01	8.00E-02	2.49E-01

<u>SYSTEMIC RETENTION:</u>		COEFFICIENT	RATE CONSTANT, 1/DAYS
		1.00E+00	1.00E-10

FRACTION FROM GI TRACT TO BLOOD (f_1): 1.00E+00 INGESTION

1.00E+00 CLASS D 0.00E+00 CLASS W 0.00E+00 CLASS Y

EXCRETION PATHWAYS ARE NOT DEFINED:

<u>THE COMMON ISOTOPES OF FRANCIUM:</u>	<u>MASS NUMBER</u>	<u>HALFLIFE, DAYS</u>
	222	1.00E-02
	223	1.51E-02

ELEMENT DATA SHEET

ELEMENT: RADIUM

PARTICLE SIZE: 1.0E+00 MICRONS

LUNG DEPOSITION:	NASAL	TRACHEA AND	PULMONARY
-----	PASSAGES	BRONCHIAL TREE	PARENCHYMA
	3.10E-01	8.00E-02	2.49E-01

SYSTEMIC RETENTION:		COEFFICIENT	RATE CONSTANT, 1/DAYS

		5.14E-01	5.20E+01
		2.04E-01	7.56E-01
		2.58E-01	1.67E-01
		9.83E-03	2.88E-03
		5.64E-03	6.11E-04
		3.15E-03	1.88E-04
		5.83E-03	7.76E-05

FRACTION FROM GI TRACT TO BLOOD (f_1): 2.00E-01 INGESTION

0.00E+00 CLASS D 2.00E-01 CLASS W 0.00E+00 CLASS Y

FRACTION OF SYSTEMIC UPTAKE EXCRETED THROUGH URINE (f_u): 5.00E-02

FRACTION OF SYSTEMIC UPTAKE EXCRETED THROUGH FECES (f_f): 9.50E-01

THE COMMON ISOTOPES OF RADIUM:	MASS NUMBER	HALFLIFE, DAYS
-----	-----	-----
	223	1.14E+01
	224	3.66E+00
	225	1.48E+01
	226	5.84E+05
	227	2.93E-02
	228	2.10E+03

ELEMENT DATA SHEET

ELEMENT: ACTINIUM

PARTICLE SIZE: 1.0E+00 MICRONS

LUNG DEPOSITION:	NASAL	TRACHEA AND	PULMONARY
-----	PASSAGES	BRONCHIAL TREE	PARENCHYMA
	3.10E-01	8.00E-02	2.49E-01

SYSTEMIC RETENTION:		COEFFICIENT	RATE CONSTANT, 1/DAYS

		4.50E-01	1.90E-05
		4.50E-01	4.75E-05
		3.50E-04	1.00E-10
		9.97E-02	2.77E+00

FRACTION FROM GI TRACT TO BLOOD (f_1): 1.00E-03 INGESTION

1.00E-03 CLASS D 1.00E-03 CLASS W 1.00E-03 CLASS Y

EXCRETION PATHWAYS ARE NOT DEFINED:

THE COMMON ISOTOPES OF ACTINIUM:	MASS NUMBER	HALFLIFE, DAYS
-----	-----	-----
	224	1.21E-01
	225	1.00E+01
	226	1.21E+00
	227	7.95E+03

ELEMENT DATA SHEET

ELEMENT: THORIUM

PARTICLE SIZE: 1.0E+00 MICRONS

LUNG DEPOSITION:	NASAL	TRACHEA AND	PULMONARY
-----	PASSAGES	BRONCHIAL TREE	PARENCHYMA
	3.10E-01	8.00E-02	2.49E-01

SYSTEMIC RETENTION:		COEFFICIENT	RATE CONSTANT, 1/DAYS

		7.00E-01	8.66E-05
		4.00E-02	9.90E-04
		1.60E-01	9.90E-04
		1.00E-01	1.39E+00

FRACTION FROM GI TRACT TO BLOOD (f_1): 2.00E-04 INGESTION

0.00E+00 CLASS D 2.00E-04 CLASS W 2.00E-04 CLASS Y

FRACTION OF SYSTEMIC UPTAKE EXCRETED THROUGH URINE (f_u): 1.0E+00

FRACTION OF SYSTEMIC UPTAKE EXCRETED THROUGH FECES (f_f): 1.0E-02

THE COMMON ISOTOPES OF THORIUM:	MASS NUMBER	HALFLIFE, DAYS
-----	-----	-----
	226	2.15E-02
	227	1.87E+01
	228	6.98E+02
	229	2.68E+06
	230	2.81E+07
	231	1.06E+00
	232	5.13E+12
	234	2.41E+01

ELEMENT DATA SHEET

ELEMENT: PROTACTINIUM

PARTICLE SIZE: 1.0E+00 MICRONS

LUNG DEPOSITION:	NASAL	TRACHEA AND	PULMONARY
-----	PASSAGES	BRONCHIAL TREE	PARENCHYMA
	3.10E-01	8.00E-02	2.49E-01

SYSTEMIC RETENTION:			RATE CONSTANT,
-----		COEFFICIENT	1/DAYS
		4.00E-01	1.90E-05
		1.09E-01	6.93E-02
		6.10E-02	1.16E-02
		4.30E-01	2.77E+00

FRACTION FROM GI TRACT TO BLOOD (f_1): 1.00E-03 INGESTION

0.00E+00 CLASS D 1.00E-03 CLASS W 1.00E-03 CLASS Y

EXCRETION PATHWAYS ARE NOT DEFINED:

THE COMMON ISOTOPES OF PROTACTINIUM:	MASS NUMBER	HALFLIFE, DAYS
-----	-----	-----
	227	2.66E-02
	228	9.17E-01
	230	1.74E+01
	231	1.20E+07
	232	1.31E+00
	233	2.70E+01
	234	2.79E-01

ELEMENT DATA SHEET

ELEMENT: URANIUM

PARTICLE SIZE: 1.0E+00 MICRONS

<u>LUNG DEPOSITION:</u>	NASAL PASSAGES	TRACHEA AND BRONCHIAL TREE	PULMONARY PARENCHYMA
	3.10E-01	8.00E-02	2.49E-01

<u>SYSTEMIC RETENTION:</u>	COEFFICIENT	RATE CONSTANT, 1/DAYS
	2.00E-01	3.47E-02
	2.30E-02	1.39E-04
	2.40E-01	1.16E-01
	1.04E-03	4.62E-04
	5.36E-01	2.27E+00

FRACTION FROM GI TRACT TO BLOOD (f_1): 5.00E-02 INGESTION

5.00E-02 CLASS D 5.00E-02 CLASS W 2.00E-03 CLASS Y

FRACTION OF SYSTEMIC UPTAKE EXCRETED THROUGH URINE (f_u): 1.0E+00

<u>THE COMMON ISOTOPES OF URANIUM:</u>	<u>MASS NUMBER</u>	<u>HALFLIFE, DAYS</u>
	230	2.08E+01
	231	4.20E+00
	232	2.63E+04
	233	5.79E+07
	234	8.92E+07
	235	2.57E+11
	236	8.55E+09
	237	6.75E+00

ELEMENT DATA SHEET

ELEMENT: NEPTUNIUM

PARTICLE SIZE: 1.0E+00 MICRONS

LUNG DEPOSITION:	NASAL	TRACHEA AND	PULMONARY
-----	PASSAGES	BRONCHIAL TREE	PARENCHYMA
	3.10E-01	8.00E-02	2.49E-01

SYSTEMIC RETENTION:		COEFFICIENT	RATE CONSTANT, 1/DAYS

		4.50E-01	4.75E-05
		4.50E-01	1.90E-05
		9.97E-02	2.77E+00
		3.50E-04	1.00E-10

FRACTION FROM GI TRACT TO BLOOD (f_1): 1.00E-02 INGESTION

0.00E+00 CLASS D 1.00E-02 CLASS W 0.00E+00 CLASS Y

FRACTION OF SYSTEMIC UPTAKE EXCRETED THROUGH URINE (f_u): 5.00E-01

FRACTION OF SYSTEMIC UPTAKE EXCRETED THROUGH FECES (f_f): 5.00E-01

THE COMMON ISOTOPES OF NEPTUNIUM:	MASS NUMBER	HALFLIFE, DAYS
-----	-----	-----
	232	1.02E-02
	233	2.51E-02
	234	4.40E+00
	235	3.96E+02
	236	4.20E+07
	236	9.38E-01
	237	7.81E+08
	238	2.12E+00

ELEMENT DATA SHEET

ELEMENT: PLUTONIUM

PARTICLE SIZE: 1.0E+00 MICRONS

<u>LUNG DEPOSITION:</u>	NASAL	TRACHEA AND	PULMONARY
<u>PASSAGES</u>	PASSAGES	BRONCHIAL TREE	PARENCHYMA
	3.10E-01	8.00E-02	2.49E-01

<u>SYSTEMIC RETENTION:</u>	COEFFICIENT	RATE CONSTANT, 1/DAYS
	1.59E-02	5.59E-01
	1.01E-02	4.41E-02
	4.19E-02	3.18E-03
	9.32E-01	2.84E-05

FRACTION FROM GI TRACT TO BLOOD (f_1): 1.00E-04 INGESTION

0.00E+00 CLASS D 1.00E-04 CLASS W 1.00E-05 CLASS Y

FRACTION OF SYSTEMIC UPTAKE EXCRETED THROUGH URINE (f_u): 5.40E-01

FRACTION OF SYSTEMIC UPTAKE EXCRETED THROUGH FECES (f_f): 4.60E-01

<u>THE COMMON ISOTOPES OF PLUTONIUM:</u>	<u>MASS NUMBER</u>	<u>HALFLIFE, DAYS</u>
	234	3.67E-01
	235	1.76E-02
	236	1.04E+03
	237	4.53E+01
	238	3.20E+04
	239	8.78E+06
	240	2.39E+06
	241	5.26E+03

ELEMENT DATA SHEET

ELEMENT: AMERICIUM

PARTICLE SIZE: 1.0E+00 MICRONS

LUNG DEPOSITION:	NASAL	TRACHEA AND	PULMONARY
-----	PASSAGES	BRONCHIAL TREE	PARENCHYMA
	3.10E-01	8.00E-02	2.49E-01

SYSTEMIC RETENTION:		COEFFICIENT	RATE CONSTANT, 1/DAYS

		4.50E-01	4.75E-05
		4.50E-01	1.90E-05
		9.97E-02	2.77E+00
		3.50E-04	1.00E-10

FRACTION FROM GI TRACT TO BLOOD (f_1): 5.00E-04 INGESTION

0.00E+00 CLASS D 5.00E-04 CLASS W 5.00E-04 CLASS Y

EXCRETION PATHWAYS ARE NOT DEFINED:

THE COMMON ISOTOPES OF AMERICIUM:	MASS NUMBER	HALFLIFE, DAYS
-----	-----	-----
	237	5.07E-02
	238	6.81E-02
	239	4.96E-01
	240	2.12E+00
	241	1.58E+05
	242	6.68E-01
	242m	5.55E+04
	243	2.69E+06
	244	4.21E-01
	244m	1.81E-02

ELEMENT DATA SHEET

ELEMENT: CURIUM

PARTICLE SIZE: 1.0E+00 MICRONS

LUNG DEPOSITION:	NASAL	TRACHEA AND	PULMONARY
-----	PASSAGES	BRONCHIAL TREE	PARENCHYMA
	3.10E-01	8.00E-02	2.49E-01

SYSTEMIC RETENTION:			RATE CONSTANT,
-----		COEFFICIENT	1/DAYS
		4.50E-01	4.75E-05
		4.50E-01	1.90E-05
		9.97E-02	2.77E+00
		3.50E-04	1.00E-10

FRACTION FROM GI TRACT TO BLOOD (f_1): 5.00E-04 INGESTION

0.00E+00 CLASS D 5.00E-04 CLASS W 0.00E+00 CLASS Y

EXCRETION PATHWAYS ARE NOT DEFINED:

THE COMMON ISOTOPES OF CURIUM:	MASS NUMBER	HALFLIFE, DAYS
-----	-----	-----
	238	1.00E-01
	240	2.70E+01
	241	3.28E+01
	242	1.63E+02
	243	1.04E+04
	244	6.61E+03
	245	3.10E+06
	246	1.73E+06

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8. RETENTION FRACTIONS FOR SIZE DISTRIBUTIONS OTHER THAN 1 AMAD

After a short time post single intake, the following approximate relation exists between the total body IRFs for different aerosol sizes between 0.1 and 10 μm .

$$\frac{\text{IRF(AMAD)}}{\text{IRF}(1\mu\text{m})} = \sum_T \left[f_{\text{N-P}} \times \frac{H_{50\text{T}}^{W_{\text{T}}}}{\sum_T H_{50\text{T}}^{W_{\text{T}}}} \times \frac{D_{\text{N-P}}(\text{AMAD})}{D_{\text{N-P}}(1\mu\text{m})} + f_{\text{T-B}} \times \frac{H_{50\text{T}}^{W_{\text{T}}}}{\sum_T H_{50\text{T}}^{W_{\text{T}}}} \times \frac{D_{\text{T-B}}(\text{AMAD})}{D_{\text{T-B}}(1\mu\text{m})} + f_{\text{P}} \times \frac{H_{50\text{T}}^{W_{\text{T}}}}{\sum_T H_{50\text{T}}^{W_{\text{T}}}} \times \frac{D_{\text{P}}(\text{AMAD})}{D_{\text{P}}(1\mu\text{m})} \right] \quad (\text{B.8.1})$$

where:

IRF(AMAD) = total body intake retention fraction for inhalation of Class D, W or Y compounds for AMAD of interest,

IRF(1 μm) = total body intake retention fraction for inhalation of 1 μm AMAD aerosols, and these IRFs are given in Appendix B,

$f_{\text{N-P}}$, $f_{\text{T-B}}$ and f_{P} = the fraction of committed dose equivalent in the tissue T resulting from deposition in the N-P, T-B and P regions respectively,

$H_{50\text{T}}^{W_{\text{T}}}$ = the weighted committed dose equivalent in tissue T per unit intake,

$D_{\text{N-P}}$, $D_{\text{T-B}}$ and D_{P} = regional deposition fractions for an aerosol entering the respiratory system.

The time at which equation B.8.1 is valid is a time post intake which is variable between classes of compounds. For Class D, the time at which the equation yields satisfactory results is less than 1 day, for Class W, the time is about 7 days post intake and for Class Y, the time is about 9 days post intake. Values for $f_{\text{N-P}}$, $f_{\text{T-B}}$, f_{P} and $H_{50\text{T}}^{W_{\text{T}}}$, which are to be used in equation B.8.1, are listed in Supplements to ICRP Publication 30 (ICRP79). Values for $D_{\text{N-P}}$, $D_{\text{T-B}}$ and D_{P} are given in Table B.8.1.

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Table B.8.1 Regional Deposition Fractions for Aerosols with AMADs Between 0.2 and 10 μm .

	Aerosol AMAD, μm			
	0.2	0.5	0.7	1
D_{N-P}	4.98E-02	1.61E-01	2.27E-01	3.10E-01
D_{T-B}	8.00E-02	8.00E-02	8.00E-02	8.00E-02
D_P	5.00E-01	3.50E-01	2.99E-01	1.67E-01
Total Deposition	6.30E-01	5.91E-01	6.06E-01	6.68E-01

	Aerosol AMAD, μm			
	2	5	7	10
D_{N-P}	5.00E-01	7.44E-01	8.14E-01	8.75E-01
D_{T-B}	8.00E-02	8.00E-02	8.00E-02	8.00E-02
D_P	1.67E-01	8.80E-02	6.74E-02	4.98E-02
Total Deposition	6.68E-01	9.12E-01	9.61E-01	1.00E-00

A plot of total body IRF versus time post intake for Class D Cs-137, Class W Co-60 and Class Y Pu-239 is given as Figure B.8.1. The values for IRFs were computed for different aerosol sizes as described in Section 2 and not from equation B.8.1. After some time post intake, the curves for a given nuclide for different AMADs are parallel, and it is at these times that equation B.8.1 applies. For example, at 100 days post intake of 0.2 μm AMAD Co-60, the IRF obtained from equation B.8.1 is 9.7E-02 for the total body. The IRF from computation in the manner described in Section 2 is 1.0E-01. The approximate method relies on a summation over all tissues, but only those tissues contributing greater than 10% to the effective dose equivalent are listed in ICRP Publication 30 Supplements. Thus, the IRFs derived from equation B.8.1 are a few % less than the IRFs derived by the method described in Section 2.

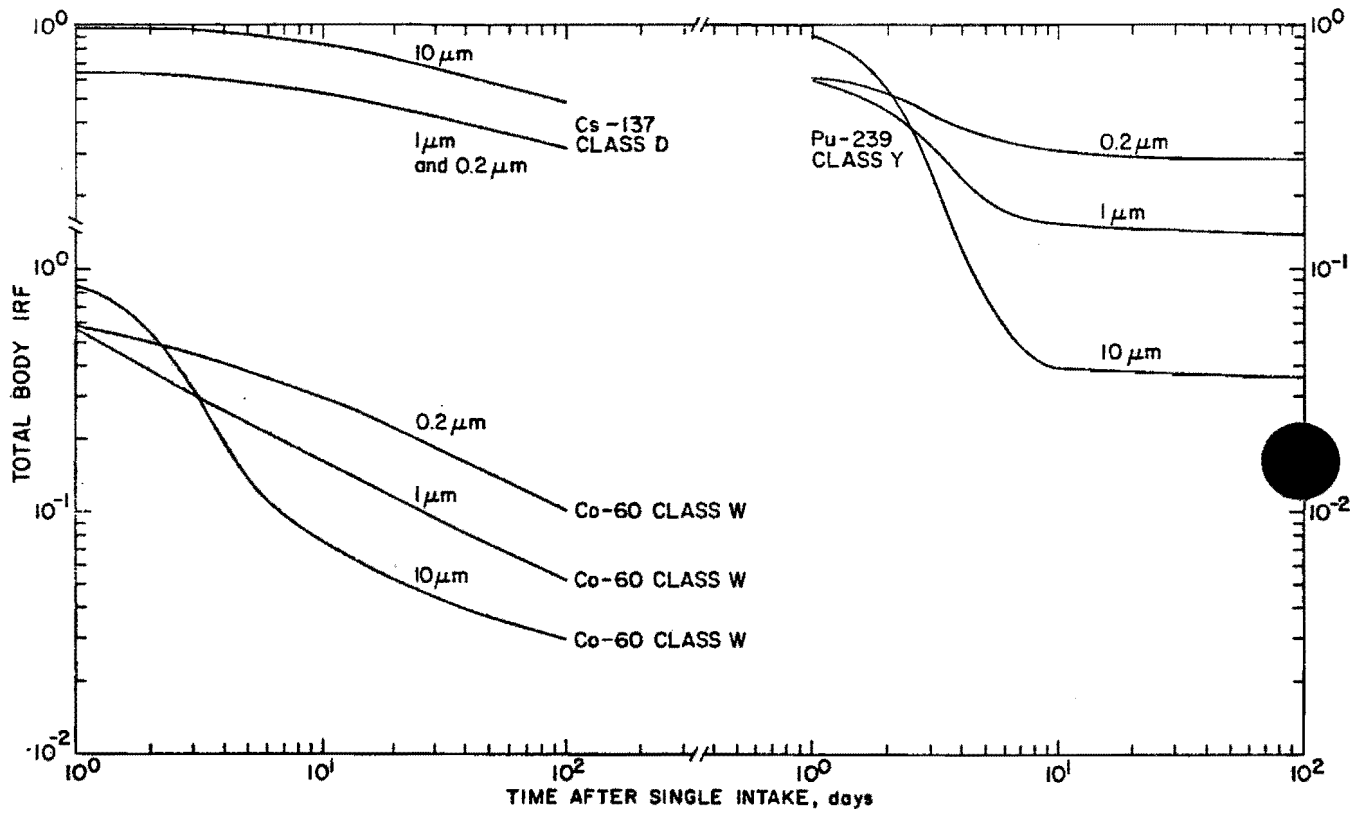


Figure B.8.1 Inhalation intake retention functions for 0.2, 1 and 10 micrometer aerosols of Class D Cs-137, Class W Co-60 and Class Y Pu-239

9. RETENTION FRACTIONS FOR MULTIPLE AND CONTINUOUS INTAKES OF SELECTED NUCLIDES

Single intake tabulations may also be applied to prolonged or continuous intake satisfactorily. In practice, a worker may receive repeated exposures to the same radionuclide during a controlled period. If these intakes are separated by not less than three or four effective half-lives, each one can be treated as a single intake, evaluated with the help of these tabulations, and the individual exposures added together to estimate total dose. If they are not so separated, they should be treated as a prolonged or continuous intake. Although there are special methods (Sk81) to estimate prolonged and continuous intake, it may be done by using the relevant Intake Retention Fraction for single intake which is given in this manual. Estimates of intake obtained by either method will differ by only a few percent.

A model adopted by Muller et al. (Mu66) projects a total intake of $A \mu\text{Ci}$ evenly distributed over T days, that is, an average of $A/T \mu\text{Ci}$ per day. This is a reasonable model for irregularly repeated intakes of different magnitudes. As long as the intakes are not asymmetrically distributed in size and time, then the IRFs which are derived by using Muller's approximation will be reasonably accurate.

The expression which describes the expected content $\langle q(t) \rangle$ of a radionuclide for constant continuous intake is given by:

$$\langle q(t) \rangle = \frac{A}{T} \int_0^t r(u) du \quad \text{for } t < T \quad (\text{B.9.1})$$

$$\langle q(t) \rangle = \frac{A}{T} \int_{t-T}^t r(u) du \quad \text{for } t \geq T \quad (\text{B.9.2})$$

where:

- u = variable time between integration limits,
- $r(u)$ = intake retention fraction in compartment or whole body for a single intake of radionuclide, which can be found in this manual,
- $q(t)$ = amount or activity of radionuclide in question in the compartment or whole body at time t post the onset of intake,
- A = total amount of activity intake during the period of T .

The equations B.9.1 and B.9.2 are suitable for estimating the intake based on the in vitro measurements by substituting the fraction of intake for 24-hour excretion or accumulated excretion in place of the retention fraction for compartments or the whole body.

The single intake retention functions $r(u)$ in this report all can be expressed as a sum of exponential terms with constant coefficients (Sk83):

$$r(u) = \sum_{j=1}^n C_j e^{-k_j t},$$

where $k_j = K_j + \lambda =$ total removal rate constant for compartment j . When this expression for $r(u)$ is substituted into the expression on the right hand side of equations B.9.1 and B.9.2, the expected contents $\langle q(t) \rangle$ are respectively expressed:

$$\langle q(t) \rangle = \frac{A}{T} \sum_{j=1}^n C_j \frac{(1 - e^{-k_j t})}{k_j}, \quad (\text{B.9.3})$$

for $t < T$, and

$$\langle q(t) \rangle = \frac{A}{T} \sum_{j=1}^n C_j \frac{(1 - e^{-k_j T})}{k_j} e^{-k_j (t - T)}, \quad (\text{B.9.4})$$

for $t > T$.

These expressions can be used to define a continuous intake retention function $p(t)$, which gives the fraction of the total intake expected to be present at times t post the onset of continuous intake: $p(t) = \langle q(t) \rangle / A$ or $p(t) = \langle q(t) \rangle / (A/T)t$, which shows that the continuous intake retention function $p(t)$ can be obtained from the single intake retention function by simply replacing $e^{-k_j t}$ in equation 2.5.1 by:

$$\frac{(1 - e^{-k_j T})}{k_j T} e^{-k_j (t - T)}, \quad \text{for } t > T,$$

or by:

$$\frac{(1 - e^{-k_j t})}{k_j t}, \quad \text{for } t < T.$$

In the later case $p(t) = \langle q(t) \rangle / (At/T)$, the fraction of the total intake present at the end of the intake interval t .

Except for the case where $t < T$, these same replacement functions are applicable to converting a single intake type incremental excreta function to a continuous intake type. Replace $e^{-k_j t}$ in the single intake incremental excreta function by:

$$\frac{(1 - e^{-k_j T})}{k_j T} e^{-k_j T}, \quad \text{for } t > T + \Delta t,$$

or replace $e^{-k_j t}$ in the single intake accumulated excreta function by:

$$\frac{-e^{-\lambda \Delta t} (1 - e^{-k_j T}) e^{-k_j (t - \Delta t - T)} (1 - e^{-(k_j - \lambda) \Delta t})}{k_j T},$$

for $t > T + \Delta t$.

The integration of the equations above also can be obtained by numerical methods as follows:

$$\int_a^b f(x)dx = h \left[\frac{f(X_0) + f(X_n)}{2} + f(X_1) + \dots + f(X_{n-1}) \right] \quad (\text{B.9.5})$$

where:

$$h = \frac{b-a}{n}, \quad X_0 = a, \quad X_n = b, \quad X_i = a + ih, \quad i = \text{the } i\text{th increment and } n = \text{the number of increments.}$$

As long as one divides the integration region a to b into appropriate increments, the accuracy of the result is good.

IRF values can be obtained for any time t of interest by interpolating the data in the manual. The best method is by plotting as done in Figure B.9.1. For example, whole-body counting for person A and urine sampling for person B were performed on March 1, 1982, and they showed both workers were internally contaminated with cobalt-60. They worked with cobalt-60 from January 5, 1981 to December 25, 1981. The mode of exposure was assumed to be constant continuous inhalation.

The whole-body counting result was 1.2 E+04 Bq (0.33 µCi), and the urine result was 3.4 E+01 Bq (0.91 nCi). In this case, the intake period T is 350 days, and the time of interest post onset of intake is 420 days. The integration region was divided into seven intervals and each is 50 days. Estimated constant continuous IRF values were as follows:

Table B.9.1. IRFs and Time Post Single Intake

Time Post Intake(Days)	IRF (Total Body)	IRF 24-Hour Urine
70	7.87×10^{-2}	2.17×10^{-4}
120	4.60×10^{-2}	1.30×10^{-4}
170	3.05×10^{-2}	8.20×10^{-5}
220	2.15×10^{-2}	5.25×10^{-5}
270	1.62×10^{-2}	3.40×10^{-5}
320	1.33×10^{-2}	2.22×10^{-5}
370	1.13×10^{-2}	1.40×10^{-5}
420	1.00×10^{-2}	1.00×10^{-5}

thus, for the total body,

$$\int_{70}^{420} r(\bar{u}) du = 50 \times \left[\frac{7.87 + 1.00}{2} + 4.60 + 3.05 + 2.15 + 1.62 + 1.33 + 1.13 \right] \times 10^{-2}$$
$$= 9.16,$$

and for 24-hour urine

$$\int_{70}^{420} r(u) du = 50 \times \left[\frac{21.7 + 1.00}{2} + 13.0 + 8.20 + 5.25 + 3.40 + 2.22 + 1.40 \right] \times 10^{-5}$$
$$= 2.24 \times 10^{-2}.$$

Substituting the whole-body counting data into equation B.9.2 yields:

$$1.2 \text{ E}04 \text{ Bq} = \frac{A}{T} \int_{70}^{420} r(u) du = \frac{A}{350} (9.16)$$

Thus, the intake A is $4.7 \text{ E}+05 \text{ Bq}$ ($12.6 \text{ } \mu\text{Ci}$).

Substituting the one-day urine data into equation B.9.2. yields:

$$3.4 \text{ E}01 \text{ Bq} = \frac{A}{T} \int_{70}^{420} r(\bar{u}) du = \frac{A}{350} (2.24 \times 10^{-2})$$

Thus, the intake is $5.3 \text{ E}+05 \text{ Bq}$ ($14.2 \text{ } \mu\text{Ci}$).

If exact analytical solutions are used for this example rather than numerical integration methods, the IRF for the total body is $2.58 \text{ E}-02$ and the IRF for a 24-hour urinary sample is $6.19 \text{ E}-05$. Thus, for a 350 day interval of continuous intake followed by a 70 day interval of no exposure, the intake based on whole-body counting is $4.7 \text{ E}+05 \text{ Bq}$ ($12.8 \text{ } \mu\text{Ci}$) and for a urinary sample measurement, the intake is estimated to be $5.4 \text{ E}+05 \text{ Bq}$ ($14.7 \text{ } \mu\text{Ci}$). These values compare closely to values obtained by using the numerical integration technique given above.

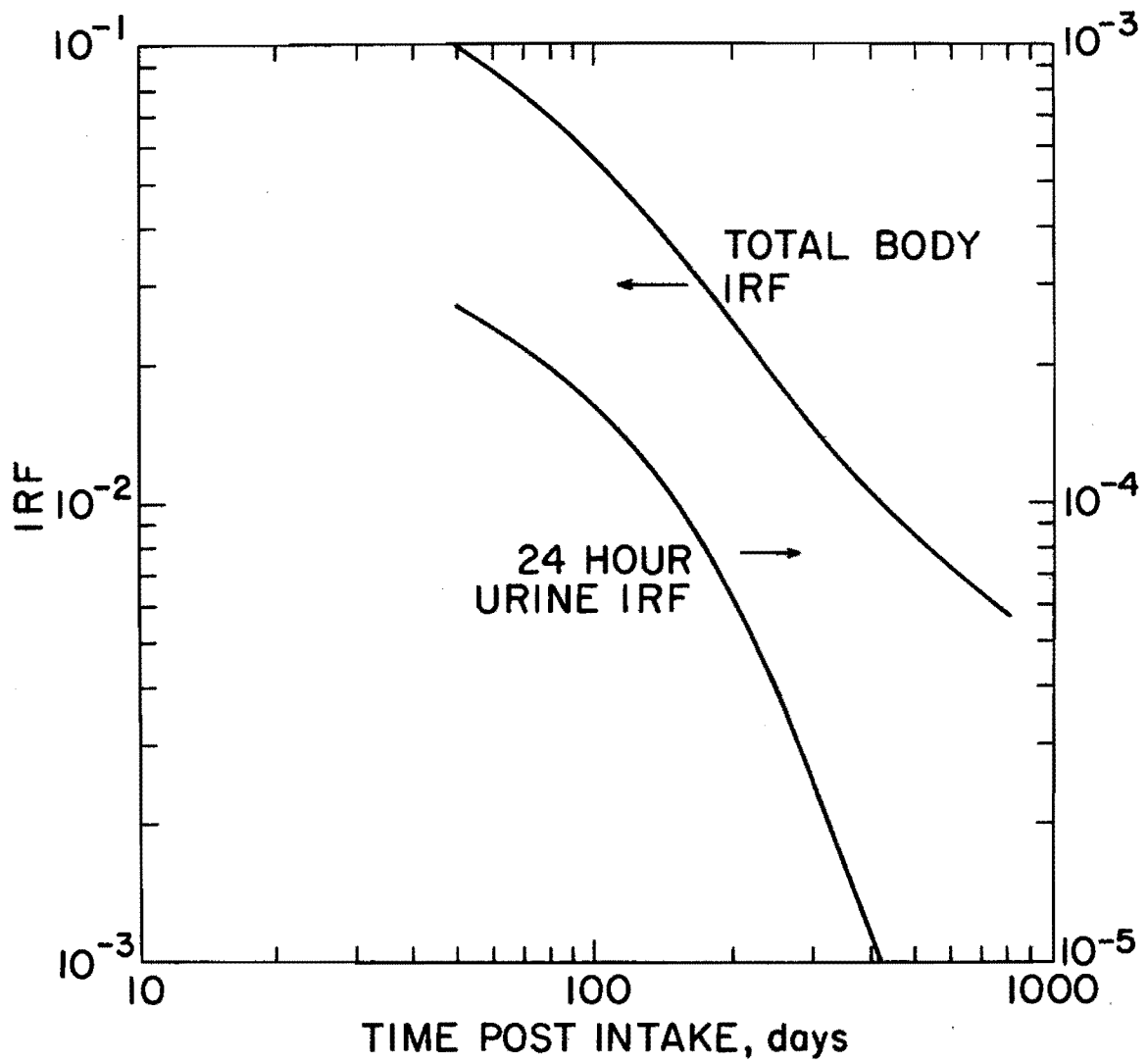


FIGURE B.9.1 Total Body and 24-hour Urine IRF for Co-60 Class W aerosols.

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3. ABSTRACT (200 words or less)

This is a comprehensive manual describing how to compute intakes from both in-vivo and in-vitro bioassay measurements. To date, interpretations of intake have been inconsistent, particularly in the early phases after an accidental intake. This manual is aimed at completely describing a consistent approach and instructing others on how to compute intakes and committed organ dose equivalents. Tables for the interpretation of bioassay results are compiled for several hundred radionuclides. Measurements which employ a whole-body counter, a thyroid counter, a lung counter, or measurements on excreta can be converted into estimates of intake based on the tables presented in the appendices. The values in the tables were determined by using lung, gastrointestinal tract and systemic retention models published by the International Commission on Radiological Protection (ICRP79). In a few cases, pseudo-retention functions, organ retention functions, and excretion functions were used to generate the tabulated values. The biological and radiological input parameters are included in an appendix, and a description of the mathematical approach that was used to derive the tabulated data is included in the methods section. Calculations for various particle sizes are addressed along with methods to interpret multiple or continuous exposures. Examples of use are based on actual bioassay measurements following accidental intakes, including tritium, Mn-54, Co-60, Sr-90, Nb-95, radioiodines, Cs-137, Ce-141, Ce-144, U-233, U-Nat, and Am-241.

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