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WASHINGTON, D.C. 20460

APR 19 1993

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

MEMORANDUM

SUBJECT: Carcinogenic Risk Assessments for Exposure to  
Hexachlorobenzene and Pentachlorobenzene Through  
Use of Pentachloronitrobenzene

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As requested by SRRD, upper bound estimates of carcinogenic risk for hexachlorobenzene (HCB) and pentachlorobenzene (PCB) resulting from use of the fungicide pentachloronitrobenzene (PCNB) were calculated using the Dietary Risk Evaluation System (DRES). Anticipated residues from CBRS and percent crop treated information from BEAD were included in the analyses.

Background

Concern was raised about carcinogenic risk from pentachlorobenzene (PCB) and hexachlorobenzene (HCB), two impurities of PCNB, in a S. Schaible memo to S. Stanton dated 5/13/91, which addressed a Section 18 Specific Exemption Use of PCNB on potatoes in Washington. In that memo, the combined cancer risk of these two impurities through the proposed use on potatoes and resulting residues in meat and milk was found to be  $2 \times 10^{-3}$ , though 100 percent crop treated was assumed for all commodities in the analysis. Prior to the 5/13/91 analysis, risk assessments for PCNB had only considered HCB residues in addition to PCNB; the 5/13/91 analysis used residue levels supplied by CBRS (D. McNeilly memo dated 4/23/91) for HCB and PCB combined. Since that analysis, CBRS has generated anticipated residue estimates for PCNB, HCB, and PCB residues resulting from use of PCNB on those commodities for which tolerances exist (D. McNeilly memos dated 1/10/92 and 3/3/93). Refinement in the percent of crop treated information for PCNB has also been calculated by



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BEAD and supplied in two S. Smearman memos dated 9/10/91 (PQUA) and 8/7/92. In addition, Toxicology Branch I of HED released a memo (K. Baetcke to W. Smith, 8/21/92) stating that "based on the similarities of the chemical structures and toxicities of HCB and PCB, it is reasonable to assume that the carcinogenic potential of PCB is probably comparable to [that of] HCB". Based on this memo, the Q\* for HCB was applied to PCB so that carcinogenic risk through the diet from PCB could be calculated.

These refinements in residue and percent of crop treated information, as well as the conditional Q\* for PCB, were incorporated into two DRES carcinogenic risk assessments calculating upper bound cancer risk from the impurities in PCNB. Carcinogenicity is the endpoint we are most concerned about with these chemicals.

### Toxicological Endpoints

1. Chronic Non-Cancer: The toxicological endpoint we are most concerned with in this analysis is cancer. However, chronic exposure and risk related to endpoints other than cancer was considered for PCNB and HCB. Since no RfD has been established for PCB, chronic risk from this chemical was not calculated.

Exposure from PCNB and its metabolites was compared to a reference dose (RfD) of 0.003 mg/kg body weight/day, based on a No Observed Effect Level (NOEL) of 0.75 mg/kg bwt/day and an uncertainty factor of 300. This NOEL was taken from a two year feeding study in dogs which demonstrated as effects cholestatic hepatitis and secondary bile nephrosis. This RfD has been approved by both HED (3/17/87) and the Agency (4/15/87).

Exposure from HCB was compared to a RfD of 0.0008 mg/kg bwt/day, based on a NOEL of 0.08 mg/kg bwt/day and an uncertainty factor of 100. The NOEL was taken from a 130 wk feeding study in rats which demonstrated hepatic centrilobular basophilic chromogenesis as an effect. This RfD has also been approved by both HED (5/5/88) and the Agency (5/26/88).

2. Carcinogenicity: PCNB is classified as a Group C possible human carcinogen with quantification of carcinogenic potency inappropriate at this time (HED Cancer Peer Review Document, P. Hurley and E. Rinde to R. Taylor and S. Cerrelli, 12/18/92). HCB has been classified as a Group B2 probable human carcinogen with an upper bound carcinogenic potency factor of 1.7 (mg/kg/day)<sup>-1</sup>.

As was mentioned before, Toxicology Branch I of HED has stated that it is reasonable to assume that the carcinogenic potential of PCB is probably comparable to HCB. However, in K. Baetcke's memo, there is a caveat to this statement pointing out that there is insufficient data presently available in house on the metabolism of HCB to make a valid comparison between HCB and PCB. In the absence of this data and for the purpose of estimating the possible carcinogenic risk attributable to PCB residues resulting from use of PCNB, the upper bound potency factor (Q<sub>1</sub>\*) for HCB of 1.7 is being assumed for PCB in this

analysis. It should be emphasized that this Q\* for PCB is not based on data from a two year bioassay for PCB, but is basically an interim Q\* until such data is supplied, reviewed, and found acceptable.

Since quantification of upper bound carcinogenic potency for PCNB is considered inappropriate at this time, quantifiable cancer risk from the use of PCNB on the crops included in this analysis is assumed only to come from HCB and PCB.

### Residue Information

Food uses evaluated in this analysis were the published tolerances listed in 40 CFR 180.291, interim tolerances for PCNB and its metabolites listed in 40 CFR 180.319, and secondary residues of PCNB, HCB, and PCB in meat, milk, poultry, and eggs resulting from livestock consumption of PCNB-treated feed items.

The interim tolerances included in the analysis were established in 1972, but no date of expiration was designated and use of PCNB has continued on many of these crops. It is expected that this anomaly will be addressed and corrected through the reregistration of PCNB. However, reregistration of this chemical is not scheduled to come up in fiscal years 1993 or 1994.

Apparently the reason PCNB tolerances do not exist for livestock commodities (meat, milk, poultry, and eggs) is that most of the commodities which could potentially be used as feed items have interim instead of permanent tolerances. Of the commodities having permanent or interim tolerances, detectable residues of PCNB are generally found only in potatoes and peanuts. To the extent that either of these items is fed to livestock, residues of HCB and PCB will be in the fat (personal communication with Bart Suhre, 3/24/93). It is expected that tolerances for livestock commodities will be required as part of the reregistration process (personal communication, W. Smith, 3/19/93).

There are no published tolerances for either HCB or PCB on any of the commodities included in these analyses. Anticipated residues (ARs) for PCNB, HCB, and PCB were supplied by CBRS in a D. McNeilly memo dated 1/10/92. Residues were calculated from field trial data generated by the registrants for reregistration purposes. ARs were supplied in the memo for the following commodities: beans, broccoli, brussel sprouts, cabbage, cauliflower, garlic, peppers, potatoes, tomatoes, collards, kale, mustard greens, peanuts, and cottonseed. Secondary residues in meat, milk, poultry, and eggs were also supplied in this memo. An anticipated residue value of 0.008 ppm for PCNB in garlic was used in the analyses instead of the residue value of 0.14 ppm given in the McNeilly memo (which was based on surrogate potato data); the 0.008 ppm value was taken from a B. Cropp-Kohlligian memo dated 5/12/92 addressing an addendum to the PCNB label for garlic. DRES default concentration factors for tomato and potato processed products were turned off because residues (PCNB, HCB, and PCB) are not expected to concentrate in the processed food

items of these commodities (D. McNeilly, 1/10/92).

There was some question of whether to include the commodity bananas in the DRES analyses. It appears that this use has been dropped from most if not all of the PCNB labels (personal communication, D. McNeilly, 5/11/92), and anticipated residues for bananas were not included in the 1/10/92 CBRS memo. However, it is the normal practice of this section to include in chronic analyses all uses for which published tolerances exist; for bananas especially, there is the possibility that imported bananas containing residues of PCNB and its impurities may exist in the food supply. At the request of DRES, CBRS supplied ARs for residues of PCNB, HCB, and PCB in bananas in a D. McNeilly memo dated 3/3/93. Percent of crop treated information for bananas was not requested; the DRES default value of 100% crop treated was assumed.

At the recommendation of CBRS (D. McNeilly, 3/3/93), an AR of 0.14 ppm for PCNB in potatoes was used in the chronic analysis for PCNB, despite the fact that the tolerance for potatoes exists at 0.1 ppm. Data submitted separately from two different manufacturers of PCNB support this value, and one manufacturer has voluntarily dropped its registration on potatoes from the label based on these findings. It is acknowledged that the tolerance on potatoes needs to be revised upwards to reflect this new data, and that unless such a new tolerance is approved, potatoes containing over tolerance residues are in violation of the law and are subject to seizure by the FDA. Since upper bound cancer risks were not calculated for PCNB, the use of this tolerance exceeding AR does not affect cancer risk assessments. Incremental risk posed by using 0.14 ppm value as opposed to the tolerance in the chronic analysis is negligible.

Data were not reported to CBRS for PCB residues in poultry fat and therefore no anticipated residues were generated. So that exposure and risk from PCB residues in poultry fat would be considered in the analysis, a ratio of HCB residues to PCB residues in cattle fat was derived using the values listed in Table 1 of D. McNeilly's memo dated 1/10/92. The value for HCB residues in poultry fat was multiplied by this ratio to get a theoretical residue value of 0.0002 ppm for PCB in poultry fat (this method at the suggestion of D. McNeilly, personal communication, 10/27/92).

Percent crop treated information used in this analysis was supplied by the Biological and Economic Analysis Division (BEAD) in two S. Smearman memos dated 9/10/91 and 8/7/92. Where a range of values was given, the upper end of the range was used in the analysis.

Summaries of the residue information uses in the analyses of PCNB, HCB, and PCB are attached as Tables 1A, 1B, and 1C, respectively.

## Exposure Analysis

The DRES chronic exposure analyses for PCNB, HCB, and PCB used tolerance level residues and 100 percent crop treated to estimate the Theoretical Maximum Residue Contributions (TMRCs) for the overall U.S. population and 22 DRES population subgroups. Anticipated residues and refined percent crop treated information were used to calculate the Anticipated Residue Contributions (ARCs) for those same DRES population groups. The ARC is considered the more accurate estimate of exposure.

The ARC for the overall U.S. population from all uses of PCNB is 0.000010 mg/kg bwt/day, which represents less than 0.4% of the RfD. The subgroup most highly exposed, non-nursing infants less than one year old, has an ARC of 0.000032 mg/kg bwt/day, or 1.1% of the RfD. Based on these exposure and risk values, it appears that chronic risk is minimal.

The ARC for the overall U.S. population from HCB residues resulting from use of PCNB is 0.000002 mg/kg bwt/day, which represents 0.25% of the RfD for HCB. Non-nursing infants less than one year old (the subgroup having the highest dietary exposure to HCB) have an ARC of 0.000005 mg/kg bwt/day, or 0.6% of the RfD; none of the subgroups has an exposure which exceeds one percent of the RfD for HCB. Based on these estimates, it would appear that chronic dietary risk from HCB is minimal. The TMRCs, ARCs, and their representations as percentages of the RfD for PCNB and HCB are attached as Tables 2A (PCNB) and 2B (HCB).

There is not presently an RfD for PCB and chronic risk from PCB for an endpoint other than carcinogenicity was not calculated as part of these analyses. Given that the residue values for PCB are roughly similar to those for HCB and that consumption values are the same, exposure to PCB would be in the same range as HCB exposure. Since it is very unlikely that an RfD for PCB would be much lower than that of HCB, chronic risk from PCB would also probably be minimal if it were able to be calculated.

## Carcinogenic Risk

The upper bound carcinogenic risk for HCB and PCB was calculated for the overall U.S. population using the following relationship:

$$\text{Upper Bound Cancer Risk} = \text{Dietary Exposure (ARC)} \times Q^*$$

An upper bound potency factor of  $1.7 \text{ (mg/kg/day)}^{-1}$  and a 70 year lifetime exposure were assumed in the calculation of the upper bound carcinogenic risk for both impurities. The major contributors of risk by commodity from each chemical are listed in the table on the next page. Because there is some question as to whether bananas should or should not be included in the DRES analyses, total upper bound cancer risk from HCB and PCB was reported both including and excluding cancer risk from bananas.

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Upper Bound Estimates of Cancer Risk for HCB and PCB by Commodity

<u>Commodity</u>	<u>HCB</u>	<u>PCB</u>
Bananas	9.8 E-7	3.9 E-6
Tomatoes	4.1 E-7	5.4 E-7
Potatoes	1.3 E-7	5.4 E-7
Peanuts	2.9 E-8	1.7 E-7
Beans	1.2 E-7	8.7 E-8
Meat	1.8 E-7	1.1 E-7
Milk	1.8 E-7	1.8 E-7
Poultry and Eggs	1.4 E-6	1.6 E-7
Other	3.4 E-8	3.7 E-8
Total*		
- with bananas	3.41 E-6	5.73 E-6
- without bananas	2.44 E-6	1.81 E-6

\* due to rounding error, individual risks from commodities may not add up to the total risks for HCB and PCB  
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The individual upper bound cancer risks for both HCB and PCB either exceed or fall within the range of  $10^{-6}$ , the value the Agency generally considers negligible, depending on whether risks from bananas are included or not. With the exception of bananas, these cancer risks reflect refinements in both the residue and percent of crop treated information. There is possible variability in the risk estimates introduced through the various translations of the residue data to the DRES files for these chemicals (e.g., the derived AR for PCB residues in "poultry, fat").

Cancer risks for HCB and PCB residues on bananas are probably overestimated due to the assumption that all bananas are treated with PCNB (and thus stand the chance of having HCB and PCB residues on them). Any potential exposure to these chemicals would have to come from imported bananas since PCNB is not registered for use on bananas in the United States. To the extent that all bananas are not imported and that all imported bananas are not treated with PCNB, it is likely that cancer risks for bananas are overestimates. FDA monitoring data over the past several years have not detected PCNB or HCB residues in bananas sampled (W.Smith memorandum, 1/22/93).

It should be noted that there is uncertainty surrounding the risk numbers for livestock commodities (meat, milk, poultry, and eggs). According to CBRS (McNeilly memo, 1/10/92), of the feed items listed in Table 39 (pp. 57-8), only peanut meal and cottonseed oil are likely to be used as feed items at the national level. Since Uniroyal residue data for both of these commodities were generated by Craven Laboratories (and therefore not usable for risk assessment) and Amvac data were likewise unsuitable, potato residue data were chosen by CBRS to derive

meat and milk ARs. Potatoes are not likely to be fed to livestock on the national level, and it is therefore unclear how accurate cancer risk estimates are for livestock commodities calculated using ARs based on a diet of potatoes. Though CBRS is not able to calculate ARs based on a likely dietary burden of peanut meal and cottonseed oil, CBRS supports the anticipated residues generated from the potato data as the best values to use in the absence of better data. Given that cancer risk from meat, milk, poultry and eggs accounts for a significant portion of the total risk, especially from HCB ( $1.7 \times 10^{-6}$  for HCB,  $4.5 \times 10^{-6}$  for PCB), the assumptions used in coming up with these anticipated residues should be noted.

The tolerances for PCNB on potatoes and tomatoes are included in a recent list of pesticide uses which have no established §409 tolerances, but have data suggesting that residues in a processed food (in this case, wet and dry pomace of potatoes and tomatoes) may concentrate above the established §408 tolerances (press release, Feb. 2, 1993; EPA Docket # OPP-260053). As such, they are potentially subject to revocation, should EPA be held to a strict interpretation of the Delaney clause. If these tolerances were revoked, the aforementioned cancer risks would be decreased by at least  $5.4 \times 10^{-7}$  for HCB and by  $1.1 \times 10^{-6}$  for PCB. Cancer risk from livestock commodities would not be affected on a national level from these revocations, since neither tomatoes nor potatoes are likely to be used as feed items on a national level (McNeilly, 1/10/92).

Given the similarities in the chemical structures and toxicities of HCB and PCB, it is possible that cancer risks from these two impurities are additive. This is a question to be posed to the Toxicology Branches of HED, but assuming additivity, the upper bound cancer risk from HCB and PCB together is  $9.15 \times 10^{-6}$  including risk from bananas and  $4.25 \times 10^{-6}$  excluding risk from bananas.

Carcinogenic risks by commodity for HCB and PCB are attached as Tables 3A (HCB) and 3B (PCB).

Because there were so many unusual assumptions that affect these cancer risk assessments, the more important ones are summarized as follows:

1. PCB is assumed to have comparable carcinogenic potential to HCB and the same upper bound potency factor.
2. There are no tolerances for HCB or PCB, but residues are expected in some commodities.
3. PCNB residues in potatoes were found to be over tolerance; these higher residues were used in the risk assessment instead of the tolerance.
4. Meat, milk, and poultry residue estimates are based on (over tolerance) potato residues, percent crop treated, and percent of potatoes in the animals' diet, even though potatoes are not expected to be consumed (on a national scale) by these animals.



5. Potato and tomato tolerances may be revoked due to Delaney issues.
6. Possible accumulation of HCB in soil, with consequently higher residues in crops, has not been taken into account in this analysis.
7. All bananas are assumed to be treated with PCNB; though its use on bananas is not allowed in the U.S., PCNB may be applied in other countries who export bananas to the U.S. It is doubtful that this scenario represents 100 percent crop treated.

Attachments

cc: DRES, CBRS, Tox 1, W. Smith, RSB/RD, PM 25 (Taylor),  
Caswell #s 640 and 477

TABLE 1A

CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
PCNB (Quintozene) Caswell #640 CAS No. 82-68-8 A.I. CODE: 056502 CFR No. 180.291	2yr feeding- dog NOEL= 0.7500 mg/kg 30.00 ppm LEL= 4.5000 mg/kg 180.00 ppm OMCO: C (HED)	Cholestatic hepatitis and secondary bile nephrosis. Insufficient data for assessment of oncogenicity.	PADI UF -->300 OPP Rfd= 0.003000 EPA Rfd= 0.003000	Developmental tox- rabbit (core supplementary)  Q* not applicable. (Syn. Pentachloronitrobenzene).	WHO last reviewed 1977. HED complete 07/18/86. EPA verified 08/18/86. HED complete 03/17/87. EPA verified 04/15/87. On IRIS.

FOOD CODE	FOOD	FOOD FORM	PET.#	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR STATISTIC TYPE	% CROP TREATED	RES. VALUE USED IN TAS RUN (ppm)
06002AA	BANANAS-UNSPEC	22 COOKED-FRESH-BAKED	NOURSREG	A 0.100000	0.025000		100.00	0.025000
06002AB	BANANAS-FRESH	10 RAW-FRESH OR NFS	NOURSREG	A 0.100000	0.025000		100.00	0.025000
06002AB	BANANAS-FRESH	21 COOKED-NFS	NOURSREG	A 0.100000	0.025000		100.00	0.025000
06002AB	BANANAS-FRESH	31 COOKED-FRESH OR CANNED	NOURSREG	A 0.100000	0.025000		100.00	0.025000
06002DA	BANANAS-DRIED	10 RAW-FRESH OR NFS	NOURSREG	A 0.100000	0.025000		100.00	0.025000
06002DA	BANANAS-DRIED	21 COOKED-NFS	NOURSREG	A 0.100000	0.025000		100.00	0.025000
06016AA	PLANTAINS	21 COOKED-NFS	NOURSREG	A 0.100000	0.025000		100.00	0.025000
06016AA	PLANTAINS	23 COOKED-FRESH-BOILED	NOURSREG	A 0.100000	0.025000		100.00	0.025000
06016AA	PLANTAINS	25 COOKED-FRESH-FRIED	NOURSREG	A 0.100000	0.025000		100.00	0.025000
08048DA	PAPRIKA	00 NOT SPECIFIED (NO CONSUMPTION)	INTERIM	P 0.100000	0.002500		10.00	0.000250
11003AA	PEPPERS,SWEET	10 RAW-FRESH OR NFS	INTERIM	P 0.100000	0.002500		10.00	0.000250
11003AA	PEPPERS,SWEET	21 COOKED-NFS	INTERIM	P 0.100000	0.002500		10.00	0.000250
11003AB	CHILI PEPPERS	00 NOT SPECIFIED (NO CONSUMPTION)	INTERIM	P 0.100000	0.002500		10.00	0.000250
11003AD	PEPPERS-OTHER	10 RAW-FRESH OR NFS	INTERIM	P 0.100000	0.002500		10.00	0.000250
11003AD	PEPPERS-OTHER	21 COOKED-NFS	INTERIM	P 0.100000	0.002500		10.00	0.000250
11003AD	PEPPERS-OTHER	51 COOKED-CANNED	INTERIM	P 0.100000	0.002500		10.00	0.000250
11004AA	PIMIENTOS	10 RAW-FRESH OR NFS	INTERIM	P 0.100000	0.002500		10.00	0.000250
11004AA	PIMIENTOS	21 COOKED-NFS	INTERIM	P 0.100000	0.002500		10.00	0.000250
11004AA	PIMIENTOS	31 COOKED-FRESH OR CANNED	INTERIM	P 0.100000	0.002500		10.00	0.000250
11005AA	TOMATOES-WHOLE	10 RAW-FRESH OR NFS	INTERIM	P 0.100000	0.006000		10.00	0.000600
11005AA	TOMATOES-WHOLE	21 COOKED-NFS	INTERIM	P 0.100000	0.006000		10.00	0.000600
11005AA	TOMATOES-WHOLE	31 COOKED-FRESH OR CANNED	INTERIM	P 0.100000	0.006000		10.00	0.000600
11005JA	TOMATOES-JUICE	10 RAW-FRESH OR NFS	INTERIM	P 0.100000	0.006000C		10.00	0.000600
11005JA	TOMATOES-JUICE	21 COOKED-NFS	INTERIM	P 0.100000	0.006000C		10.00	0.000600
11005RA	TOMATOES-PUREE	10 RAW-FRESH OR NFS	INTERIM	P 0.100000	0.006000C		10.00	0.000600
11005RA	TOMATOES-PUREE	21 COOKED-NFS	INTERIM	P 0.100000	0.006000C		10.00	0.000600
11005RA	TOMATOES-PUREE	31 COOKED-FRESH OR CANNED	INTERIM	P 0.100000	0.006000C		10.00	0.000600
11005RA	TOMATOES-PUREE	32 COOKED-FRESH OR CANNED-BAKED	INTERIM	P 0.100000	0.006000C		10.00	0.000600
11005TA	TOMATOES-PASTE	21 COOKED-NFS	INTERIM	P 0.100000	0.006000C		10.00	0.000600
11005TA	TOMATOES-PASTE	22 COOKED-FRESH-BAKED	INTERIM	P 0.100000	0.006000C		10.00	0.000600
11005TA	TOMATOES-PASTE	31 COOKED-FRESH OR CANNED	INTERIM	P 0.100000	0.006000C		10.00	0.000600
11005UA	TOMATOES-CATSUP	21 COOKED-NFS	INTERIM	P 0.100000	0.006000C		10.00	0.000600
13005AA	BROCCOLI	21 COOKED-NFS	INTERIM	P 0.100000	0.009000		2.00	0.000180
13005AA	BROCCOLI	31 COOKED-FRESH OR CANNED	INTERIM	P 0.100000	0.009000		2.00	0.000180
13005AA	BROCCOLI	63 COOKED-FRESH OR FROZEN-BOILED	INTERIM	P 0.100000	0.009000		2.00	0.000180
13006AA	BRUSSEL SPROUTS	21 COOKED-NFS	INTERIM	P 0.100000	0.009000		2.00	0.000180
13006AA	BRUSSEL SPROUTS	23 COOKED-FRESH-BOILED	INTERIM	P 0.100000	0.009000		2.00	0.000180
13007AA	CABBAGE	10 RAW-FRESH OR NFS	INTERIM	P 0.100000	0.005000		2.00	0.000100
13007AA	CABBAGE	11 RAW-FRESH-PICKLED,CORNED,OR CURED	INTERIM	P 0.100000	0.005000		2.00	0.000100

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CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
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FOOD CODE	FOOD	FOOD FORM	PET.#	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR STATISTIC TYPE	% CROP TREATED	RES. VALUE USED IN TAS RUN (ppm)
13007AA	CABBAGE	21 COOKED-NFS	INTERIM	P 0.100000	0.005000		2.00	0.000100
13008AA	CAULIFLOWER	10 RAW-FRESH OR NFS	INTERIM	P 0.100000	0.009000		2.00	0.000180
13008AA	CAULIFLOWER	21 COOKED-NFS	INTERIM	P 0.100000	0.009000		2.00	0.000180
13009AA	COLLARDS	51 COOKED-CANNED	9E2249	P 0.200000	0.033000		2.00	0.000660
13009AA	COLLARDS	63 COOKED-FRESH OR FROZEN-BOILED	9E2249	P 0.200000	0.033000		2.00	0.000660
13010AA	CABBAGE-CHINESE	10 RAW-FRESH OR NFS	INTERIM	P 0.100000	0.005000		2.00	0.000100
13010AA	CABBAGE-CHINESE	21 COOKED-NFS	INTERIM	P 0.100000	0.005000		2.00	0.000100
13011AA	KALE	63 COOKED-FRESH OR FROZEN-BOILED	9E2249	P 0.200000	0.033000		2.00	0.000660
13021AA	MUSTARD GREENS	21 COOKED-NFS	9E2249	P 0.200000	0.033000		2.00	0.000660
13021AA	MUSTARD GREENS	63 COOKED-FRESH OR FROZEN-BOILED	9E2249	P 0.200000	0.033000		2.00	0.000660
14007AA	GARLIC	10 RAW-FRESH OR NFS	INTERIM	P 0.100000	0.008000		10.00	0.000800
14007AA	GARLIC	21 COOKED-NFS	INTERIM	P 0.100000	0.008000		10.00	0.000800
14007AA	GARLIC	32 COOKED-FRESH OR CANNED-BAKED	INTERIM	P 0.100000	0.008000		10.00	0.000800
14013AA	POTATO(WH)-WHOLE	10 RAW-FRESH OR NFS	INTERIM	P 0.100000	0.140000	rereg data	1.00	0.001400
14013AA	POTATO(WH)-WHOLE	21 COOKED-NFS	INTERIM	P 0.100000	0.140000	rereg data	1.00	0.001400
14013AA	POTATO(WH)-WHOLE	22 COOKED-FRESH-BAKED	INTERIM	P 0.100000	0.140000	rereg data	1.00	0.001400
14013AB	POTATO(WH)-UNSPLE	22 COOKED-FRESH-BAKED	INTERIM	P 0.100000	0.140000	rereg data	1.00	0.001400
14013AC	POTATO(WH)-PULP	21 COOKED-NFS	INTERIM	P 0.100000	0.140000	rereg data	1.00	0.001400
14013AC	POTATO(WH)-PULP	22 COOKED-FRESH-BAKED	INTERIM	P 0.100000	0.140000	rereg data	1.00	0.001400
14013AC	POTATO(WH)-PULP	23 COOKED-FRESH-BOILED	INTERIM	P 0.100000	0.140000	rereg data	1.00	0.001400
14013AC	POTATO(WH)-PULP	25 COOKED-FRESH-FRIED	INTERIM	P 0.100000	0.140000	rereg data	1.00	0.001400
14013DA	POTATO(WH)-DRY	10 RAW-FRESH OR NFS	INTERIM	P 0.100000	0.140000C	rereg data	1.00	0.001400
14013DA	POTATO(WH)-DRY	31 COOKED-FRESH OR CANNED	INTERIM	P 0.100000	0.140000C	rereg data	1.00	0.001400
14013HA	POTATO(WH)-PEEL	22 COOKED-FRESH-BAKED	INTERIM	P 0.100000	0.002500		5.00	0.000125
15001AA	BEANS-DRY-GRT NO 00 NOT SPECIFIED (NO CONSUMPTION)	21 COOKED-NFS	INTERIM	P 0.100000	0.002500		5.00	0.000125
15001AB	BEANS-DRY-KIDNEY	21 COOKED-FRESH OR CANNED	INTERIM	P 0.100000	0.002500		5.00	0.000125
15001AC	BEANS-DRY-LIMA	21 COOKED-NFS	INTERIM	P 0.100000	0.002500		5.00	0.000125
15001AD	BEANS-DRY-NAVY	21 COOKED-FRESH OR CANNED	INTERIM	P 0.100000	0.002500		5.00	0.000125
15001AE	BEANS-DRY-OTHER	21 COOKED-NFS	INTERIM	P 0.100000	0.002500		5.00	0.000125
15001AE	BEANS-DRY-OTHER	25 COOKED-FRESH-FRIED	INTERIM	P 0.100000	0.002500		5.00	0.000125
15001AF	BEANS-DRY-PINTO	21 COOKED-NFS	INTERIM	P 0.100000	0.002500		5.00	0.000125
15002AA	BEANS-SUCC-LIMA	10 RAW-FRESH OR NFS	INTERIM	P 0.100000	0.017000		5.00	0.000850
15002AA	BEANS-SUCC-LIMA	21 COOKED-NFS	INTERIM	P 0.100000	0.017000		5.00	0.000850
15003AA	BEANS-SUCC-GREEN	21 COOKED-NFS	INTERIM	P 0.100000	0.048000		5.00	0.002400
15003AB	BEANS-SUCC-OTH	10 RAW-FRESH OR NFS	INTERIM	P 0.100000	0.048000		5.00	0.002400
15003AB	BEANS-SUCC-OTH	21 COOKED-NFS	INTERIM	P 0.100000	0.048000		5.00	0.002400
15003AC	BEANS-SUCC-WAX	21 COOKED-NFS	INTERIM	P 0.100000	0.048000		5.00	0.002400

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CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
PCNB (quintozene) Caswell #640 CAS No. 82-68-8 A.I. CODE: 056502 CFR No. 180.291	2yr feeding- dog NOEL= 0.7500 mg/kg 30.00 ppm LEL= 4.5000 mg/kg 180.00 ppm ONCO: C (HED)	Cholestatic hepatitis and secondary bile nephrosis. Insufficient data for assessment of oncogenicity.	PADI UF -->300 OPP Rfd= 0.003000 EPA Rfd= 0.003000	Developmental tox- rabbit (core supplementary) q* not applicable. (Syn. Pentachloronitrobenzene).	WHO last reviewed 1977. HED complete 07/18/86. EPA verified 08/18/86. HED complete 03/17/87. EPA verified 04/15/87. On IRIS.

FOOD CODE	FOOD	FOOD FORM	PET.#	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR STATISTIC TYPE	% CROP TREATED	RES. VALUE USED IN TAS RUN (ppm)
15006AA	PEANUTS-WHOLE	10 RAW-FRESH OR NFS	INTERIM P	1.000000	0.443000		5.00	0.022150
15006AA	PEANUTS-WHOLE	21 COOKED-NFS	INTERIM P	1.000000	0.443000		5.00	0.022150
15006AA	PEANUTS-WHOLE	22 COOKED-FRESH-BAKED	INTERIM P	1.000000	0.443000		5.00	0.022150
15013AA	MUNG BEANS	10 RAW-FRESH OR NFS	INTERIM P	0.100000	0.002500		5.00	0.000125
15013AA	MUNG BEANS	21 COOKED-NFS	INTERIM P	0.100000	0.002500		5.00	0.000125
15022AA	BEANS-DRY-BROAD	00 NOT SPECIFIED (NO CONSUMPTION)	INTERIM P	0.100000	0.002500		5.00	0.000125
15022AB	BEANS-SUCC-BROAD	00 NOT SPECIFIED (NO CONSUMPTION)	INTERIM P	0.100000	0.048000		5.00	0.002400
15023AA	BEANS-DRY-PIGEON	21 COOKED-NFS	INTERIM P	0.100000	0.002500		5.00	0.000125
15027AA	BEANS-UNSPEC	21 COOKED-NFS	INTERIM P	0.100000	0.048000		5.00	0.002400
15030AA	BEANS-DRY-HYAC	00 NOT SPECIFIED (NO CONSUMPTION)	INTERIM P	0.100000	0.002500		5.00	0.000125
15030AB	BEANS-SUCC-HYAC	00 NOT SPECIFIED (NO CONSUMPTION)	INTERIM P	0.100000	0.048000		5.00	0.002400
15031AA	BLKEYE PEAS-DRY	21 COOKED-NFS	INTERIM P	0.100000	0.002500		5.00	0.000125
15032AA	BEANS-DRY	21 COOKED-NFS	INTERIM P	0.100000	0.002500		5.00	0.000125
15032AA	BEANS-DRY	31 COOKED-FRESH OR CANNED	INTERIM P	0.100000	0.003000		10.00	0.000300
270030A	COTTONSEED-OIL	18 PROCESSED OIL	9F0754 P	0.100000	0.003000		10.00	0.000300
27003VA	COTTONSEED-MEAL	18 PROCESSED OIL	9F0754 P	1.000000	0.443000		5.00	0.022150
270070A	PEANUTS-OIL	18 PROCESSED OIL	INTERIM P	1.000000	0.443000		5.00	0.022150
500000B	MILK-NON-FAT SOL	10 RAW-FRESH OR NFS	NO TOL.	N 0.000000	0.000004		100.00	0.000004
500000B	MILK-NON-FAT SOL	21 COOKED-NFS	NO TOL.	N 0.000000	0.000004		100.00	0.000004
500000B	MILK-NON-FAT SOL	51 COOKED-CANNED	NO TOL.	N 0.000000	0.000004		100.00	0.000004
50000FA	MILK-FAT SOLIDS	10 RAW-FRESH OR NFS	NO TOL.	N 0.000000	0.000004		100.00	0.000004
50000FA	MILK-FAT SOLIDS	21 COOKED-NFS	NO TOL.	N 0.000000	0.000004		100.00	0.000004
50000FA	MILK-FAT SOLIDS	51 COOKED-CANNED	NO TOL.	N 0.000000	0.000004		100.00	0.000004
50000SA	MILK SUG (LACT)	21 COOKED-NFS	NO TOL.	N 0.000000	0.000004		100.00	0.000004
50000SA	MILK SUG (LACT)	51 COOKED-CANNED	NO TOL.	N 0.000000	0.000004		100.00	0.000004
53001BA	BEEF-HEAT BYP	21 COOKED-NFS	NO TOL.	N 0.000000	0.000004		100.00	0.000004
53001BA	BEEF-HEAT BYP	26 COOKED-FRESH-PICKLED, CORNED, OR CURED	NO TOL.	N 0.000000	0.000004		100.00	0.000004
53001BB	BEEF-OTH ORGAN	21 COOKED-NFS	NO TOL.	N 0.000000	0.000004		100.00	0.000004
53001BB	BEEF-OTH ORGAN	51 COOKED-CANNED	NO TOL.	N 0.000000	0.000004		100.00	0.000004
53001DA	BEEF-DRIED	21 COOKED-NFS	NO TOL.	N 0.000000	0.000004		100.00	0.000004
53001FA	BEEF-FAT	10 RAW-FRESH OR NFS	NO TOL.	N 0.000000	0.000004		100.00	0.000004
53001FA	BEEF-FAT	21 COOKED-NFS	NO TOL.	N 0.000000	0.000004		100.00	0.000004
53001FA	BEEF-FAT	22 COOKED-FRESH-BAKED	NO TOL.	N 0.000000	0.000004		100.00	0.000004
53001FA	BEEF-FAT	23 COOKED-FRESH-BOILED	NO TOL.	N 0.000000	0.000004		100.00	0.000004
53001FA	BEEF-FAT	24 COOKED-FRESH-BROILED	NO TOL.	N 0.000000	0.000004		100.00	0.000004
53001FA	BEEF-FAT	25 COOKED-FRESH-FRIED	NO TOL.	N 0.000000	0.000004		100.00	0.000004
53001KA	BEEF-KIDNEY	21 COOKED-NFS	NO TOL.	N 0.000000	0.000004		100.00	0.000004
53001LA	BEEF-LIVER	25 COOKED-FRESH-FRIED	NO TOL.	N 0.000000	0.000004		100.00	0.000004
53001LA	BEEF-LIVER	31 COOKED-FRESH OR CANNED	NO TOL.	N 0.000000	0.000004		100.00	0.000004
53001HA	BEEF-LEAN	10 RAW-FRESH OR NFS	NO TOL.	N 0.000000	0.000004		100.00	0.000004

CHEMICAL		STUDY TYPE		EFFECTS		REFERENCE DOSES		DATA GAPS/COMMENTS		STATUS	
PCNB (Quintozene) Caswell #640 CAS No. 82-68-8 A.I. CODE: 056502 CFR No. 180.291	2yr feeding- dog NOEL= 0.7500 mg/kg 30.00 ppm LEL= 4.5000 mg/kg 180.00 ppm ONCO: C (IHD)	Cholestatic hepatitis and secondary bile nephrosis. Insufficient data for assessment of oncogenicity.	PADI UF -->300 OPP Rfd= 0.003000 EPA Rfd= 0.003000	Developmental tox- rabbit (core supplementary) Q* not applicable. (Syn. Pentachloronitrobenzene).	WHO last reviewed 1977. HED complete 07/18/86. EPA verified 08/18/86. HED complete 03/17/87. EPA verified 04/15/87. On IRIS.						

FOOD CODE	FOOD	FOOD FORM	PET.#	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR STATISTIC TYPE	% CROP TREATED	RES. VALUE USED IN TAS RUN (ppm)
53001MA	BEEF-LEAN	21 COOKED-NFS	NO TOL.	N 0.000000	0.000004		100.00	0.000004
53001MA	BEEF-LEAN	22 COOKED-FRESH-BAKED	NO TOL.	N 0.000000	0.000004		100.00	0.000004
53001MA	BEEF-LEAN	23 COOKED-FRESH-BOILED	NO TOL.	N 0.000000	0.000004		100.00	0.000004
53001MA	BEEF-LEAN	24 COOKED-FRESH-BROILED	NO TOL.	N 0.000000	0.000004		100.00	0.000004
53002BA	GOAT-MEAT BYP	00 NOT SPECIFIED (NO CONSUMPTION)	NO TOL.	N 0.000000	0.000004		100.00	0.000004
53002BB	GOAT-OTH ORGAN	00 NOT SPECIFIED (NO CONSUMPTION)	NO TOL.	N 0.000000	0.000004		100.00	0.000004
53002FA	GOAT-FAT	23 COOKED-FRESH-BOILED	NO TOL.	N 0.000000	0.000004		100.00	0.000004
53002FA	GOAT-FAT	25 COOKED-FRESH-FRIED	NO TOL.	N 0.000000	0.000004		100.00	0.000004
53002KA	GOAT-KIDNEY	00 NOT SPECIFIED (NO CONSUMPTION)	NO TOL.	N 0.000000	0.000004		100.00	0.000004
53002LA	GOAT-LIVER	00 NOT SPECIFIED (NO CONSUMPTION)	NO TOL.	N 0.000000	0.000004		100.00	0.000004
53002MA	GOAT-LEAN	23 COOKED-FRESH-BOILED	NO TOL.	N 0.000000	0.000004		100.00	0.000004
53002MA	GOAT-LEAN	25 COOKED-FRESH-FRIED	NO TOL.	N 0.000000	0.000004		100.00	0.000004
53003AA	HORSE	00 NOT SPECIFIED (NO CONSUMPTION)	NO TOL.	N 0.000000	0.000004		100.00	0.000004
53003BA	SHEEP-MEAT BYP	21 COOKED-NFS	NO TOL.	N 0.000000	0.000004		100.00	0.000004
53003BB	SHEEP-OTH ORGAN	21 COOKED-NFS	NO TOL.	N 0.000000	0.000004		100.00	0.000004
53003FA	SHEEP-FAT	21 COOKED-NFS	NO TOL.	N 0.000000	0.000004		100.00	0.000004
53005KA	SHEEP-KIDNEY	21 COOKED-NFS	NO TOL.	N 0.000000	0.000004		100.00	0.000004
53005LA	SHEEP-LIVER	00 NOT SPECIFIED (NO CONSUMPTION)	NO TOL.	N 0.000000	0.000004		100.00	0.000004
53005MA	SHEEP-LEAN	21 COOKED-NFS	NO TOL.	N 0.000000	0.000004		100.00	0.000004
53005MA	SHEEP-LEAN	31 COOKED-FRESH OR CANNED	NO TOL.	N 0.000000	0.000004		100.00	0.000004
53006BA	PORK-MEAT BYP	21 COOKED-NFS	NO TOL.	N 0.000000	0.000004		100.00	0.000004
53006BA	PORK-OTH ORGAN	21 COOKED-NFS	NO TOL.	N 0.000000	0.000004		100.00	0.000004
53006BB	PORK-OTH ORGAN	26 COOKED-FRESH-PICKLED, CORNED, OR CURED	NO TOL.	N 0.000000	0.000004		100.00	0.000004
53006FA	PORK-FAT	21 COOKED-NFS	NO TOL.	N 0.000000	0.000004		100.00	0.000004
53006FA	PORK-FAT	21 COOKED-NFS	NO TOL.	N 0.000000	0.000004		100.00	0.000004
53006FA	PORK-FAT	23 COOKED-FRESH-BOILED	NO TOL.	N 0.000000	0.000004		100.00	0.000004
53006FA	PORK-FAT	25 COOKED-FRESH-FRIED	NO TOL.	N 0.000000	0.000004		100.00	0.000004
53006FA	PORK-FAT	26 COOKED-FRESH-PICKLED, CORNED, OR CURED	NO TOL.	N 0.000000	0.000004		100.00	0.000004
53006KA	PORK-KIDNEY	21 COOKED-NFS	NO TOL.	N 0.000000	0.000004		100.00	0.000004
53006LA	PORK-LIVER	21 COOKED-NFS	NO TOL.	N 0.000000	0.000004		100.00	0.000004
53006LA	PORK-LIVER	25 COOKED-FRESH-FRIED	NO TOL.	N 0.000000	0.000004		100.00	0.000004
53006MA	PORK-LEAN	25 COOKED-NFS	NO TOL.	N 0.000000	0.000004		100.00	0.000004
53006MA	PORK-LEAN	25 COOKED-FRESH-FRIED	NO TOL.	N 0.000000	0.000004		100.00	0.000004
53006MA	PORK-LEAN	26 COOKED-FRESH-PICKLED, CORNED, OR CURED	NO TOL.	N 0.000000	0.000004		100.00	0.000004
55008BA	TURKEY-BYP	21 COOKED-NFS	NO TOL.	N 0.000000	0.001100		100.00	0.000100
55008BA	TURKEY-BYP	26 COOKED-FRESH-PICKLED, CORNED, OR CURED	NO TOL.	N 0.000000	0.001100		100.00	0.000100
55008LA	TURKEY ORGAN	21 COOKED-NFS	NO TOL.	N 0.000000	0.000005		100.00	0.000005
55008LA	TURKEY ORGAN	25 COOKED-FRESH-FRIED	NO TOL.	N 0.000000	0.000005		100.00	0.000005
55008MA	TURKEY W/O SKIN	21 COOKED-NFS	NO TOL.	N 0.000000	0.000005		100.00	0.000005
55008MA	TURKEY W/O SKIN	31 COOKED-FRESH OR CANNED	NO TOL.	N 0.000000	0.000005		100.00	0.000005

CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
PCNB (Quintozene) Caswell #640 CAS No. 82-68-8 A.I. CODE: 056502 CFR No. 180.291	2yr feeding- dog NOEL= 0.7500 mg/kg 30.00 ppm LEL= 4.5000 mg/kg 180.00 ppm ONCO: C (HED)	Cholestatic hepatitis and secondary bile nephrosis. Insufficient data for assessment of oncogenicity.	PADI UF -->500 OPP Rfd= 0.003000 EPA Rfd= 0.003000	Developmental tox- rabbit (core supplementary) Q* not applicable. (Syn. Pentachloronitrobenzene).	WHO last reviewed 1977. HED complete 07/18/86. EPA verified 08/18/86. HED complete 03/17/87. EPA verified 04/15/87. On IRIS.

FOOD CODE	FOOD	FOOD FORM	PET.#	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR STATISTIC TYPE	% CROP TREATED	RES. VALUE USED IN TAS RUN (ppm)
55008MA	TURKEY W/O SKIN	62 COOKED-FRESH OR FROZEN-BAKED	NO TOL.	N 0.000000	0.000005		100.00	0.000005
55008MB	TURKEY+SKIN	21 COOKED-NFS	NO TOL.	N 0.000000	0.000100		100.00	0.000100
55008NB	TURKEY+SKIN	25 COOKED-FRESH-FRIED	NO TOL.	N 0.000000	0.000100		100.00	0.000100
55008NC	TURKEY-UNSPEC	21 COOKED-NFS	NO TOL.	N 0.000000	0.000100		100.00	0.000100
55013BA	POULTRY,OTH-BYP	00 NOT SPECIFIED (NO CONSUMPTION)	NO TOL.	N 0.000000	0.000100		100.00	0.000100
55013LA	POULTRY,ORGAN	25 COOKED-FRESH-FRIED	NO TOL.	N 0.000000	0.000005		100.00	0.000005
55013MA	POULTRY,OTHER	21 COOKED-NFS	NO TOL.	N 0.000000	0.000100		100.00	0.000100
55014AA	EGGS-WHOLE	10 RAW-FRESH OR NFS	NO TOL.	N 0.000000	0.000005		100.00	0.000005
55014AA	EGGS-WHOLE	21 COOKED-NFS	NO TOL.	N 0.000000	0.000005		100.00	0.000005
55014AA	EGGS-WHOLE	22 COOKED-FRESH-BAKED	NO TOL.	N 0.000000	0.000005		100.00	0.000005
55014AA	EGGS-WHOLE	23 COOKED-FRESH-BOILED	NO TOL.	N 0.000000	0.000005		100.00	0.000005
55014AA	EGGS-WHOLE	25 COOKED-FRESH-FRIED	NO TOL.	N 0.000000	0.000005		100.00	0.000005
55014AB	EGGS-WHITE ONLY	10 RAW-FRESH OR NFS	NO TOL.	N 0.000000	0.000005		100.00	0.000005
55014AB	EGGS-WHITE ONLY	21 COOKED-NFS	NO TOL.	N 0.000000	0.000005		100.00	0.000005
55014AB	EGGS-WHITE ONLY	22 COOKED-FRESH-BAKED	NO TOL.	N 0.000000	0.000005		100.00	0.000005
55014AB	EGGS-WHITE ONLY	62 COOKED-FRESH OR FROZEN-BAKED	NO TOL.	N 0.000000	0.000005		100.00	0.000005
55014AB	EGGS-WHITE ONLY	81 COOKED-FROZEN	NO TOL.	N 0.000000	0.000005		100.00	0.000005
55014AC	EGGS-YOLK ONLY	21 COOKED-NFS	NO TOL.	N 0.000000	0.000005		100.00	0.000005
55014AC	EGGS-YOLK ONLY	25 COOKED-FRESH-FRIED	NO TOL.	N 0.000000	0.000005		100.00	0.000005
55014AC	EGGS-YOLK ONLY	31 COOKED-FRESH OR CANNED	NO TOL.	N 0.000000	0.000005		100.00	0.000005
55015BA	CHICKEN-BYP	00 NOT SPECIFIED (NO CONSUMPTION)	NO TOL.	N 0.000000	0.000100		100.00	0.000100
55015LA	CHICKEN-ORGAN	21 COOKED-NFS	NO TOL.	N 0.000000	0.000005		100.00	0.000005
55015LA	CHICKEN-ORGAN	25 COOKED-FRESH-FRIED	NO TOL.	N 0.000000	0.000005		100.00	0.000005
55015LA	CHICKEN-W/O SKIN	26 COOKED-FRESH-PICKLED, CORNED, OR CURED	NO TOL.	N 0.000000	0.000005		100.00	0.000005
55015MA	CHICKEN-W/O SKIN	21 COOKED-NFS	NO TOL.	N 0.000000	0.000005		100.00	0.000005
55015MA	CHICKEN-W/O SKIN	22 COOKED-FRESH-BAKED	NO TOL.	N 0.000000	0.000005		100.00	0.000005
55015MA	CHICKEN-W/O SKIN	25 COOKED-FRESH-FRIED	NO TOL.	N 0.000000	0.000005		100.00	0.000005
55015MA	CHICKEN-W/O SKIN	31 COOKED-FRESH OR CANNED	NO TOL.	N 0.000000	0.000005		100.00	0.000005
55015MA	CHICKEN-W/O SKIN	53 COOKED-CANNED-BOILED	NO TOL.	N 0.000000	0.000005		100.00	0.000005
55015MB	CHICKEN+SKIN	21 COOKED-NFS	NO TOL.	N 0.000000	0.000100		100.00	0.000100
55015MB	CHICKEN+SKIN	25 COOKED-FRESH-FRIED	NO TOL.	N 0.000000	0.000100		100.00	0.000100

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TABLE 10

ANTICIPATED RESIDUE INFORMATION FOR CASWELL NUMBER 99HCB

DATE: 03/09/93

PAGE: 1

CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
HCB from PCB (3/9/93 run) Caswell #99HCB CAS No. A.I. CODE: CFR No. 180.	130 wk feeding- rat NOEL= 0.0800 mg/kg 0.00 ppm LEL= 0.0000 mg/kg 0.00 ppm ONCO: Group B2	hepatic centrilobular basophilic chromogenesis	PLD UF -->100 OPP Rfd= 0.000800 EPA Rfd= 0.000800 q*: 1.70000	Chronic feeding-2 sp. Reproductive-3 sp. Developmental-3 sp. Note: studies listed on Rfd cover sheet have not been Tox reviewed	HED complete 05/05/88 EPA verified 05/26/88

FOOD CODE	FOOD	FOOD FORM	PET.#	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR STATISTIC TYPE	% CROP TREATED	RES. VALUE USED IN TAS RUN (ppm)
06002AA	BANANAS-UNSPEC	22 COOKED-FRESH-BAKED	NOUSREG	A 0.002500	0.002500		100.00	0.002500
06002AB	BANANAS-FRESH	10 RAW-FRESH OR NFS	NOUSREG	A 0.002500	0.002500		100.00	0.002500
06002AB	BANANAS-FRESH	21 COOKED-NFS	NOUSREG	A 0.002500	0.002500		100.00	0.002500
06002AB	BANANAS-FRESH	31 COOKED-FRESH OR CANNED	NOUSREG	A 0.002500	0.002500		100.00	0.002500
06002DA	BANANAS-DRIED	10 RAW-FRESH OR NFS	NOUSREG	A 0.002500	0.002500		100.00	0.002500
06002DA	BANANAS-DRIED	21 COOKED-NFS	NOUSREG	A 0.002500	0.002500		100.00	0.002500
06016AA	PLANTAINS	21 COOKED-NFS	NOUSREG	A 0.002500	0.002500		100.00	0.002500
06016AA	PLANTAINS	23 COOKED-FRESH-BOILED	NOUSREG	A 0.002500	0.002500		100.00	0.002500
06016AA	PLANTAINS	25 COOKED-FRESH-FRIED	NOUSREG	A 0.002500	0.002500		100.00	0.002500
08048DA	PAPRIKA	00 NOT SPECIFIED (NO CONSUMPTION)	INTERIM	P 0.002500	0.002500		10.00	0.000250
11003AA	PEPPERS, SWEET	10 RAW-FRESH OR NFS	INTERIM	P 0.002500	0.002500		10.00	0.000250
11003AA	PEPPERS, SWEET	21 COOKED-NFS	INTERIM	P 0.002500	0.002500		10.00	0.000250
11003AB	CHILI PEPPERS	00 NOT SPECIFIED (NO CONSUMPTION)	INTERIM	P 0.002500	0.002500		10.00	0.000250
11003AD	PEPPERS-OTHER	10 RAW-FRESH OR NFS	INTERIM	P 0.002500	0.002500		10.00	0.000250
11003AD	PEPPERS-OTHER	21 COOKED-NFS	INTERIM	P 0.002500	0.002500		10.00	0.000250
11003AD	PEPPERS-OTHER	51 COOKED-CANNED	INTERIM	P 0.002500	0.002500		10.00	0.000250
11003AD	PEPPERS-OTHER	10 RAW-FRESH OR NFS	INTERIM	P 0.002500	0.002500		10.00	0.000250
11004AA	PIMIENTOS	21 COOKED-NFS	INTERIM	P 0.002500	0.002500		10.00	0.000250
11004AA	PIMIENTOS	31 COOKED-FRESH OR CANNED	INTERIM	P 0.002500	0.002500		10.00	0.000250
11005AA	TOMATOES-WHOLE	10 RAW-FRESH OR NFS	INTERIM	P 0.003000	0.003000		10.00	0.000300
11005AA	TOMATOES-WHOLE	21 COOKED-NFS	INTERIM	P 0.003000	0.003000		10.00	0.000300
11005AA	TOMATOES-WHOLE	31 COOKED-FRESH OR CANNED	INTERIM	P 0.003000	0.003000		10.00	0.000300
11005JA	TOMATOES-JUICE	10 RAW-FRESH OR NFS	INTERIM	P 0.003000	0.003000		10.00	0.000300
11005JA	TOMATOES-JUICE	21 COOKED-NFS	INTERIM	P 0.003000	0.003000		10.00	0.000300
11005RA	TOMATOES-PUREE	10 RAW-FRESH OR NFS	INTERIM	P 0.003000	0.003000		10.00	0.000300
11005RA	TOMATOES-PUREE	21 COOKED-NFS	INTERIM	P 0.003000	0.003000		10.00	0.000300
11005RA	TOMATOES-PUREE	31 COOKED-FRESH OR CANNED	INTERIM	P 0.003000	0.003000		10.00	0.000300
11005RA	TOMATOES-PUREE	32 COOKED-FRESH OR CANNED-BAKED	INTERIM	P 0.003000	0.003000		10.00	0.000300
11005RA	TOMATOES-PUREE	51 COOKED-CANNED	INTERIM	P 0.003000	0.003000		10.00	0.000300
11005TA	TOMATOES-PASTE	21 COOKED-NFS	INTERIM	P 0.003000	0.003000		10.00	0.000300
11005TA	TOMATOES-PASTE	22 COOKED-FRESH-BAKED	INTERIM	P 0.003000	0.003000		10.00	0.000300
11005TA	TOMATOES-PASTE	31 COOKED-FRESH OR CANNED	INTERIM	P 0.003000	0.003000		10.00	0.000300
11005UA	TOMATOES-CATSUP	21 COOKED-NFS	INTERIM	P 0.003000	0.003000		10.00	0.000300
13005AA	BROCCOLI	21 COOKED-NFS	INTERIM	P 0.001000	0.001000		2.00	0.000020
13005AA	BROCCOLI	31 COOKED-FRESH OR CANNED	INTERIM	P 0.001000	0.001000		2.00	0.000020
13006AA	BRUSSEL SPROUTS	63 COOKED-FRESH OR FROZEN-BOILED	INTERIM	P 0.001000	0.001000		2.00	0.000020
13006AA	BRUSSEL SPROUTS	21 COOKED-NFS	INTERIM	P 0.001000	0.001000		2.00	0.000020
13006AA	BRUSSEL SPROUTS	23 COOKED-FRESH-BOILED	INTERIM	P 0.001000	0.001000		2.00	0.000020
13007AA	CABBAGE	10 RAW-FRESH OR NFS	INTERIM	P 0.001000	0.001000		2.00	0.000020
13007AA	CABBAGE	11 RAW-FRESH-PICKLED, CORNED, OR CURED	INTERIM	P 0.001000	0.001000		2.00	0.000020

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CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
HCB from PCNB (3/9/93 run) Caswell #99HCB CAS No. A.I. CODE: CFR No. 180.	130 wk feeding- rat NOEL= 0.0800 mg/kg 0.00 ppm LEL= 0.0000 mg/kg 0.00 ppm ONCO: Group B2	hepatic centrilobular basophilic chromogenesis	PLD UF -->100 Opp Rfd= 0.000800 EPA Rfd= 0.000800 Q*: 1.70000	Chronic feeding-2 sp. Reproductin-rat Developmental-3 sp. Note: studies listed on Rfd cover sheet have not been tox reviewed	HED complete 05/05/88 EPA verified 05/26/88

FOOD CODE	FOOD	FOOD FORM	PET.#	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR STATISTIC TYPE	% CROP TREATED	RES. VALUE USED IN TAS RUN (ppm)
13007AA	CABBAGE	21 COOKED-NFS	INTERIM	P 0.001000	0.001000		2.00	0.000020
13008AA	CAULIFLOWER	10 RAW-FRESH OR NFS	INTERIM	P 0.001000	0.001000		2.00	0.000020
13008BA	CAULIFLOWER	21 COOKED-NFS	INTERIM	P 0.001000	0.001000		2.00	0.000020
13009AA	COLLARDS	51 COOKED-CANNED	9E2249	P 0.005000	0.005000		2.00	0.000100
13009AA	COLLARDS	63 COOKED-FRESH OR FROZEN-BOILED	9E2249	P 0.005000	0.005000		2.00	0.000100
13010AA	CABBAGE-CHINESE	10 RAW-FRESH OR NFS	INTERIM	P 0.001000	0.001000		2.00	0.000020
13010AA	CABBAGE-CHINESE	21 COOKED-NFS	INTERIM	P 0.001000	0.001000		2.00	0.000020
13011AA	KALE	63 COOKED-FRESH OR FROZEN-BOILED	9E2249	P 0.005000	0.005000		2.00	0.000100
13021AA	MUSTARD GREENS	21 COOKED-NFS	9E2249	P 0.005000	0.005000		2.00	0.000100
13021AA	MUSTARD GREENS	63 COOKED-FRESH OR FROZEN-BOILED	9E2249	P 0.005000	0.005000		2.00	0.000100
14007AA	GARLIC	10 RAW-FRESH OR NFS	INTERIM	P 0.007000	0.007000		10.00	0.000700
14007AA	GARLIC	21 COOKED-NFS	INTERIM	P 0.007000	0.007000		10.00	0.000700
14007AA	GARLIC	32 COOKED-FRESH OR CANNED-BAKED	INTERIM	P 0.007000	0.007000		1.00	0.000070
14013AA	POTATO(WH)-WHOLE	10 RAW-FRESH OR NFS	INTERIM	P 0.007000	0.007000		1.00	0.000070
14013AA	POTATO(WH)-WHOLE	21 COOKED-NFS	INTERIM	P 0.007000	0.007000		1.00	0.000070
14013AA	POTATO(WH)-WHOLE	22 COOKED-FRESH-BAKED	INTERIM	P 0.007000	0.007000		1.00	0.000070
14013AB	POTATO(WH)-WHOLE	22 COOKED-FRESH-BAKED	INTERIM	P 0.007000	0.007000		1.00	0.000070
14013AC	POTATO(WH)-PULP	21 COOKED-NFS	INTERIM	P 0.007000	0.007000		1.00	0.000070
14013AC	POTATO(WH)-PULP	22 COOKED-FRESH-BAKED	INTERIM	P 0.007000	0.007000		1.00	0.000070
14013AC	POTATO(WH)-PULP	23 COOKED-FRESH-BOILED	INTERIM	P 0.007000	0.007000		1.00	0.000070
14013AC	POTATO(WH)-PULP	25 COOKED-FRESH-FRIED	INTERIM	P 0.007000	0.007000		1.00	0.000070
14013DA	POTATO(WH)-DRY	10 RAW-FRESH OR NFS	INTERIM	P 0.007000	0.007000C		1.00	0.000070
14013DA	POTATO(WH)-DRY	31 COOKED-FRESH OR CANNED	INTERIM	P 0.007000	0.007000C		1.00	0.000070
14013HA	POTATO(WH)-PEEL	22 COOKED-FRESH-BAKED	INTERIM	P 0.007000	0.007000		1.00	0.000070
15001AA	BEANS-DRY-GRT NO 00 NOT SPECIFIED (NO CONSUMPTION)		INTERIM	P 0.002500	0.002500		5.00	0.000125
15001AB	BEANS-DRY-KIDNEY 31	COOKED-FRESH OR CANNED	INTERIM	P 0.002500	0.002500		5.00	0.000125
15001AC	BEANS-DRY-LIMA 21	COOKED-NFS	INTERIM	P 0.002500	0.002500		5.00	0.000125
15001AD	BEANS-DRY-NAVY 21	COOKED-NFS	INTERIM	P 0.002500	0.002500		5.00	0.000125
15001AD	BEANS-DRY-NAVY 31	COOKED-FRESH OR CANNED	INTERIM	P 0.002500	0.002500		5.00	0.000125
15001AE	BEANS-DRY-OTHER 25	COOKED-FRESH-FRIED	INTERIM	P 0.002500	0.002500		5.00	0.000125
15001AE	BEANS-DRY-OTHER 31	COOKED-FRESH OR CANNED	INTERIM	P 0.002500	0.002500		5.00	0.000125
15001AF	BEANS-DRY-PINTO 21	COOKED-NFS	INTERIM	P 0.002500	0.002500		5.00	0.000125
15002AA	BEANS-SUCC-LIMA 10	RAW-FRESH OR NFS	INTERIM	P 0.003000	0.003000		5.00	0.000150
15002AA	BEANS-SUCC-LIMA 21	COOKED-NFS	INTERIM	P 0.003000	0.003000		5.00	0.000150
15003AA	BEANS-SUCC-GREEN 21	COOKED-NFS	INTERIM	P 0.004000	0.004000		5.00	0.000200
15003AB	BEANS-SUCC-OTH 10	RAW-FRESH OR NFS	INTERIM	P 0.004000	0.004000		5.00	0.000200
15003AB	BEANS-SUCC-OTH 21	COOKED-NFS	INTERIM	P 0.004000	0.004000		5.00	0.000200
15003AC	BEANS-SUCC-WAX 21	COOKED-NFS	INTERIM	P 0.004000	0.004000		5.00	0.000200

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CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
HCB from PCB (3/9/93 run) Caswell #99HCB CAS No. A.I. CODE: CFR No. 180.	130 wk feeding- rat NOEL= 0.0800 mg/kg LEL= 0.0000 mg/kg ONCO: Group B2	hepatic centrilobular basophilic chromogenesis	PLD UF -->100 OPP Rfd= 0.000800 EPA Rfd= 0.000800 q*: 1.70000	Chronic feeding-2 sp. Reproductive-rat Developmental-3 sp. Note: studies listed on Rfd cover sheet have not been Tox reviewed	HED complete 05/05/88 EPA verified 05/26/88

FOOD CODE	FOOD	FOOD FORM	PET.#	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR STATISTIC TYPE	% CROP TREATED	RES. VALUE USED IN TAS RUN (ppm)
15006AA	PEANUTS-WHOLE	10 RAW-FRESH OR NFS	INTERIM	P 0.004700	0.004700		5.00	0.000235
15006AA	PEANUTS-WHOLE	21 COOKED-NFS	INTERIM	P 0.004700	0.004700		5.00	0.000235
15006AA	PEANUTS-WHOLE	22 COOKED-FRESH-BAKED	INTERIM	P 0.004700	0.004700		5.00	0.000235
15013AA	MUNG BEANS	10 RAW-FRESH OR NFS	INTERIM	P 0.002500	0.002500		5.00	0.000125
15013AA	MUNG BEANS	21 COOKED-NFS	INTERIM	P 0.002500	0.002500		5.00	0.000125
15022AA	BEANS-DRY-BROAD	00 NOT SPECIFIED (NO CONSUMPTION)	INTERIM	P 0.002500	0.002500		5.00	0.000125
15022AB	BEANS-SUCC-BROAD	00 NOT SPECIFIED (NO CONSUMPTION)	INTERIM	P 0.004000	0.004000		5.00	0.000125
15023AA	BEANS-DRY-PIGEON	21 COOKED-NFS	INTERIM	P 0.002500	0.002500		5.00	0.000125
15027AA	BEANS-UNSPEC	21 COOKED-NFS	INTERIM	P 0.004000	0.004000		5.00	0.000200
15030AA	BEANS-DRY-HYAC	00 NOT SPECIFIED (NO CONSUMPTION)	INTERIM	P 0.002500	0.002500		5.00	0.000125
15030AB	BEANS-SUCC-HYAC	00 NOT SPECIFIED (NO CONSUMPTION)	INTERIM	P 0.004000	0.004000		5.00	0.000200
15031AA	BLKEYE PEAS-DRY	21 COOKED-NFS	INTERIM	P 0.002500	0.002500		5.00	0.000125
15032AA	BEANS-DRY	21 COOKED-NFS	INTERIM	P 0.002500	0.002500		5.00	0.000125
15032AA	BEANS-DRY	31 COOKED-FRESH OR CANNED	INTERIM	P 0.002500	0.002500		5.00	0.000125
270030A	COTTONSEED-OIL	18 PROCESSED OIL	9F0754	P 0.100000	0.002500		10.00	0.000250
270030A	COTTONSEED-MEAL	18 PROCESSED OIL	9F0754	P 0.100000	0.002500		10.00	0.000250
270070A	PEANUTS-OIL	18 PROCESSED OIL	INTERIM	P 0.004700	0.004700		5.00	0.000235
500000B	MILK-NON-FAT SOL	10 RAW-FRESH OR NFS	NO TOL.	N 0.000010	0.000010		100.00	0.000010
500000B	MILK-NON-FAT SOL	21 COOKED-NFS	NO TOL.	N 0.000010	0.000010		100.00	0.000010
500000B	MILK-NON-FAT SOL	51 COOKED-CANNED	NO TOL.	N 0.000010	0.000010		100.00	0.000010
500000FA	MILK-FAT SOLIDS	10 RAW-FRESH OR NFS	NO TOL.	N 0.000010	0.000010		100.00	0.000010
500000FA	MILK-FAT SOLIDS	21 COOKED-NFS	NO TOL.	N 0.000010	0.000010		100.00	0.000010
500000FA	MILK-FAT SOLIDS	51 COOKED-CANNED	NO TOL.	N 0.000010	0.000010		100.00	0.000010
500000SA	MILK SUG (LACT)	21 COOKED-NFS	NO TOL.	N 0.000010	0.000010		100.00	0.000010
500000SA	MILK SUG (LACT)	51 COOKED-CANNED	NO TOL.	N 0.000010	0.000010		100.00	0.000010
53001BA	BEEF-MEAT BYP	21 COOKED-NFS	NO TOL.	N 0.000140	0.000140		100.00	0.000140
53001BA	BEEF-MEAT BYP	26 COOKED-FRESH-PICKLED, CORNED, OR CURED	NO TOL.	N 0.000140	0.000140		100.00	0.000140
53001BB	BEEF-OTH ORGAN	21 COOKED-NFS	NO TOL.	N 0.000010	0.000010		100.00	0.000010
53001BB	BEEF-OTH ORGAN	51 COOKED-CANNED	NO TOL.	N 0.000010	0.000010		100.00	0.000010
53001DA	BEEF-DRIED	21 COOKED-NFS	NO TOL.	N 0.000010	0.000010		100.00	0.000010
53001FA	BEEF-FAT	10 RAW-FRESH OR NFS	NO TOL.	N 0.000140	0.000140		100.00	0.000140
53001FA	BEEF-FAT	21 COOKED-NFS	NO TOL.	N 0.000140	0.000140		100.00	0.000140
53001FA	BEEF-FAT	22 COOKED-FRESH-BAKED	NO TOL.	N 0.000140	0.000140		100.00	0.000140
53001FA	BEEF-FAT	23 COOKED-FRESH-BOILED	NO TOL.	N 0.000140	0.000140		100.00	0.000140
53001FA	BEEF-FAT	24 COOKED-FRESH-BROILED	NO TOL.	N 0.000140	0.000140		100.00	0.000140
53001FA	BEEF-FAT	25 COOKED-FRESH-FRIED	NO TOL.	N 0.000140	0.000140		100.00	0.000140
53001KA	BEEF-KIDNEY	21 COOKED-NFS	NO TOL.	N 0.000010	0.000010		100.00	0.000010
53001LA	BEEF-LIVER	25 COOKED-FRESH-FRIED	NO TOL.	N 0.000010	0.000010		100.00	0.000010
53001LA	BEEF-LIVER	31 COOKED-FRESH OR CANNED	NO TOL.	N 0.000010	0.000010		100.00	0.000010
53001MA	BEEF-LEAN	10 RAW-FRESH OR NFS	NO TOL.	N 0.000010	0.000010		100.00	0.000010

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CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
HCB from PCB (3/9/93 run) Caswell #99HCB CAS No. A.I. CODE: CFR No. 180.	130 wk feeding- rat NOEL= 0.0800 mg/kg 0.00 ppm LEL= 0.0000 mg/kg 0.00 ppm ONCO: Group B2	hepatic centrilobular basophilic chromogenesis	PLD UF -->100 OPP Rfd= 0.000800 EPA Rfd= 0.000800 q*: 1.70000	Chronic feeding-2 sp. Reproductive-rat Developmental-3 sp. Note: studies listed on Rfd cover sheet have not been Tox reviewed	HED complete 05/05/88 EPA verified 05/26/88

FOOD CODE	FOOD	FOOD FORM	PET.#	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR STATISTIC TYPE	% CROP TREATED	RES. VALUE USED IN TAS RUN (ppm)
53001MA	BEEF-LEAN	21 COOKED-NFS	NO TOL.	N 0.000010	0.000010		100.00	0.000010
53001MA	BEEF-LEAN	22 COOKED-FRESH-BAKED	NO TOL.	N 0.000010	0.000010		100.00	0.000010
53001MA	BEEF-LEAN	23 COOKED-FRESH-BOILED	NO TOL.	N 0.000010	0.000010		100.00	0.000010
53001MA	BEEF-LEAN	24 COOKED-FRESH-BROILED	NO TOL.	N 0.000010	0.000010		100.00	0.000010
53002BA	GOAT-MEAT BYP	00 NOT SPECIFIED (NO CONSUMPTION)	NO TOL.	N 0.000010	0.000010		100.00	0.000010
53002BB	GOAT-OTH ORGAN	00 NOT SPECIFIED (NO CONSUMPTION)	NO TOL.	N 0.000010	0.000010		100.00	0.000010
53002FA	GOAT-FAT	23 COOKED-FRESH-BOILED	NO TOL.	N 0.000140	0.000140		100.00	0.000140
53002FA	GOAT-FAT	25 COOKED-FRESH-FRIED	NO TOL.	N 0.000140	0.000140		100.00	0.000140
53002FA	GOAT-FAT	00 NOT SPECIFIED (NO CONSUMPTION)	NO TOL.	N 0.000010	0.000010		100.00	0.000010
53002LA	GOAT-LIVER	00 NOT SPECIFIED (NO CONSUMPTION)	NO TOL.	N 0.000010	0.000010		100.00	0.000010
53002LA	GOAT-LIVER	23 COOKED-FRESH-BOILED	NO TOL.	N 0.000010	0.000010		100.00	0.000010
53002NA	GOAT-LEAN	25 COOKED-FRESH-FRIED	NO TOL.	N 0.000140	0.000140		100.00	0.000140
53003AA	HORSE	00 NOT SPECIFIED (NO CONSUMPTION)	NO TOL.	N 0.000140	0.000140		100.00	0.000140
53003BA	SHEEP-MEAT BYP	21 COOKED-NFS	NO TOL.	N 0.000010	0.000010		100.00	0.000010
53003BB	SHEEP-OTH ORGAN	21 COOKED-NFS	NO TOL.	N 0.000010	0.000010		100.00	0.000010
53005FA	SHEEP-FAT	21 COOKED-NFS	NO TOL.	N 0.000140	0.000140		100.00	0.000140
53005KA	SHEEP-KIDNEY	21 COOKED-NFS	NO TOL.	N 0.000010	0.000010		100.00	0.000010
53005LA	SHEEP-LIVER	00 NOT SPECIFIED (NO CONSUMPTION)	NO TOL.	N 0.000010	0.000010		100.00	0.000010
53005MA	SHEEP-LEAN	21 COOKED-NFS	NO TOL.	N 0.000010	0.000010		100.00	0.000010
53005MA	SHEEP-LEAN	31 COOKED-FRESH OR CANNED	NO TOL.	N 0.000140	0.000140		100.00	0.000140
53006BA	PORK-MEAT BYP	21 COOKED-NFS	NO TOL.	N 0.000010	0.000010		100.00	0.000010
53006BB	PORK-OTH ORGAN	26 COOKED-FRESH-PICKLED, CORNED, OR CURED	NO TOL.	N 0.000010	0.000010		100.00	0.000010
53006FA	PORK-FAT	10 RAM-FRESH OR NFS	NO TOL.	N 0.000140	0.000140		100.00	0.000140
53006FA	PORK-FAT	21 COOKED-NFS	NO TOL.	N 0.000140	0.000140		100.00	0.000140
53006FA	PORK-FAT	23 COOKED-FRESH-BOILED	NO TOL.	N 0.000140	0.000140		100.00	0.000140
53006FA	PORK-FAT	25 COOKED-FRESH-FRIED	NO TOL.	N 0.000140	0.000140		100.00	0.000140
53006FA	PORK-FAT	26 COOKED-FRESH-PICKLED, CORNED, OR CURED	NO TOL.	N 0.000140	0.000140		100.00	0.000140
53006KA	PORK-KIDNEY	21 COOKED-NFS	NO TOL.	N 0.000010	0.000010		100.00	0.000010
53006LA	PORK-LIVER	21 COOKED-NFS	NO TOL.	N 0.000010	0.000010		100.00	0.000010
53006LA	PORK-LIVER	25 COOKED-FRESH-FRIED	NO TOL.	N 0.000010	0.000010		100.00	0.000010
53006MA	PORK-LEAN	21 COOKED-NFS	NO TOL.	N 0.000010	0.000010		100.00	0.000010
53006MA	PORK-LEAN	25 COOKED-FRESH-FRIED	NO TOL.	N 0.000010	0.000010		100.00	0.000010
53006MA	PORK-LEAN	26 COOKED-FRESH-PICKLED, CORNED, OR CURED	NO TOL.	N 0.000010	0.000010		100.00	0.000010
53008BA	TURKEY-BYP	21 COOKED-NFS	NO TOL.	N 0.000900	0.000900		100.00	0.000900
53008BA	TURKEY-BYP	26 COOKED-FRESH-PICKLED, CORNED, OR CURED	NO TOL.	N 0.000900	0.000900		100.00	0.000900
53008LA	TURKEY ORGAN	25 COOKED-NFS	NO TOL.	N 0.000200	0.000200		100.00	0.000200
53008LA	TURKEY ORGAN	25 COOKED-FRESH-FRIED	NO TOL.	N 0.000200	0.000200		100.00	0.000200
53008MA	TURKEY W/O SKIN	21 COOKED-NFS	NO TOL.	N 0.000010	0.000010		100.00	0.000010
53008MA	TURKEY W/O SKIN	31 COOKED-FRESH OR CANNED	NO TOL.	N 0.000010	0.000010		100.00	0.000010

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CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
HCB from PCB (3/9/93 run) Caswell #99HCB CAS No. A.I. CODE: CFR No. 180.	130 wk feeding- rat NOEL= 0.0800 mg/kg 0.00 ppm LEL= 0.0000 mg/kg 0.00 ppm ONCO: Group B2	hepatic centrilobular basophilic chromogenesis	PLD UF -->100 OPP Rfd= 0.000800 EPA Rfd= 0.000800 q*: 1.70000	Chronic feeding-2 sp. Reproductive-rat Developmental-3 sp. Note: studies listed on Rfd cover sheet have not been Tox reviewed	HED complete 05/05/88 EPA verified 05/26/88

FOOD CODE	FOOD	FOOD FORM	PET.#	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR STATISTIC TYPE	% CROP TREATED	RES. VALUE USED IN TAS RUN (ppm)
55008WA	TURKEY W/O SKIN	62 COOKED-FRESH OR FROZEN-BAKED	NO TOL.	N 0.000010	0.000010		100.00	0.000010
55008WB	TURKEY+SKIN	21 COOKED-NFS	NO TOL.	N 0.000900	0.000900		100.00	0.000900
55008MB	TURKEY+SKIN	25 COOKED-FRESH-FRIED	NO TOL.	N 0.000900	0.000900		100.00	0.000900
55008MC	TURKEY-UNSPEC	21 COOKED-NFS	NO TOL.	N 0.000900	0.000900		100.00	0.000900
55013BA	POULTRY,OTH-BYP	00 NOT SPECIFIED (NO CONSUMPTION)	NO TOL.	N 0.000900	0.000900		100.00	0.000900
55013LA	POULTRY,OTH-BYP	25 COOKED-FRESH-FRIED	NO TOL.	N 0.000200	0.000200		100.00	0.000200
55013MA	POULTRY,OTHER	21 COOKED-NFS	NO TOL.	N 0.000900	0.000900		100.00	0.000900
55014AA	EGGS-WHOLE	10 RAW-FRESH OR NFS	NO TOL.	N 0.000700	0.000700		100.00	0.000700
55014AA	EGGS-WHOLE	21 COOKED-NFS	NO TOL.	N 0.000700	0.000700		100.00	0.000700
55014AA	EGGS-WHOLE	22 COOKED-FRESH-BAKED	NO TOL.	N 0.000700	0.000700		100.00	0.000700
55014AA	EGGS-WHOLE	23 COOKED-FRESH-BOILED	NO TOL.	N 0.000700	0.000700		100.00	0.000700
55014AA	EGGS-WHOLE	25 COOKED-FRESH-FRIED	NO TOL.	N 0.000700	0.000700		100.00	0.000700
55014AB	EGGS-WHOLE ONLY	10 RAW-FRESH OR NFS	NO TOL.	N 0.000700	0.000700		100.00	0.000700
55014AB	EGGS-WHITE ONLY	21 COOKED-NFS	NO TOL.	N 0.000700	0.000700		100.00	0.000700
55014AB	EGGS-WHITE ONLY	22 COOKED-FRESH-BAKED	NO TOL.	N 0.000700	0.000700		100.00	0.000700
55014AB	EGGS-WHITE ONLY	62 COOKED-FRESH OR FROZEN-BAKED	NO TOL.	N 0.000700	0.000700		100.00	0.000700
55014AC	EGGS-YOLK ONLY	81 COOKED-FROZEN	NO TOL.	N 0.000700	0.000700		100.00	0.000700
55014AC	EGGS-YOLK ONLY	10 RAW-FRESH OR NFS	NO TOL.	N 0.000700	0.000700		100.00	0.000700
55014AC	EGGS-YOLK ONLY	21 COOKED-NFS	NO TOL.	N 0.000700	0.000700		100.00	0.000700
55014AC	EGGS-YOLK ONLY	25 COOKED-FRESH-FRIED	NO TOL.	N 0.000700	0.000700		100.00	0.000700
55014AC	EGGS-YOLK ONLY	31 COOKED-FRESH OR CANNED	NO TOL.	N 0.000700	0.000700		100.00	0.000700
55015BA	CHICKEN-BYP	00 NOT SPECIFIED (NO CONSUMPTION)	NO TOL.	N 0.000900	0.000900		100.00	0.000900
55015LA	CHICKEN-ORGAN	21 COOKED-NFS	NO TOL.	N 0.000200	0.000200		100.00	0.000200
55015LA	CHICKEN-ORGAN	25 COOKED-FRESH-FRIED	NO TOL.	N 0.000200	0.000200		100.00	0.000200
55015LA	CHICKEN-ORGAN	26 COOKED-FRESH-PICKLED,CORNE,OR CURED	NO TOL.	N 0.000200	0.000200		100.00	0.000200
55015MA	CHICKEN-W/O SKIN	21 COOKED-NFS	NO TOL.	N 0.000010	0.000010		100.00	0.000010
55015MA	CHICKEN-W/O SKIN	22 COOKED-FRESH-BAKED	NO TOL.	N 0.000010	0.000010		100.00	0.000010
55015MA	CHICKEN-W/O SKIN	25 COOKED-FRESH-FRIED	NO TOL.	N 0.000010	0.000010		100.00	0.000010
55015MA	CHICKEN-W/O SKIN	31 COOKED-FRESH OR CANNED	NO TOL.	N 0.000010	0.000010		100.00	0.000010
55015MA	CHICKEN-W/O SKIN	53 COOKED-CANNED-BOILED	NO TOL.	N 0.000010	0.000010		100.00	0.000010
55015MB	CHICKEN+SKIN	21 COOKED-NFS	NO TOL.	N 0.000900	0.000900		100.00	0.000900
55015MB	CHICKEN+SKIN	25 COOKED-FRESH-FRIED	NO TOL.	N 0.000900	0.000900		100.00	0.000900

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TABLE 1C

DATE: 03/16/93

ANTICIPATED RESIDUE INFORMATION FOR CASWELL NUMBER 99PCB

PAGE: 1

CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
PCB from PCB (3/9/93 run) Caswell #99PCB CAS No. A.I. CODE: CFR No. 180.	130 wk feeding- rat NOEL= 0.0800 mg/kg LEL= 0.0000 mg/kg ONCO: Group B2	hepatic centrilobular basophilic chromogenesis	PLD UF -->100 OPP Rfd= 0.000800 EPA Rfd= 0.000800 Q*: 1.70000	Chronic feeding-2 sp. Reproduction-rat Developmental-3 sp. Note: studies listed on Rfd cover sheet have not been Tox reviewed	HED complete 05/05/88 EPA verified 05/26/88

FOOD CODE	FOOD	FOOD FORM	PET.#	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR STATISTIC TYPE	% CROP TREATED	RES. VALUE USED IN TAS RUN (ppm)
06002AA	BANANAS-UNSPEC	22 COOKED-FRESH-BAKED	NOUSREG	A 0.010000	0.010000		100.00	0.010000
06002AB	BANANAS-FRESH	10 RAW-FRESH OR NFS	NOUSREG	A 0.010000	0.010000		100.00	0.010000
06002AB	BANANAS-FRESH	21 COOKED-NFS	NOUSREG	A 0.010000	0.010000		100.00	0.010000
06002AB	BANANAS-FRESH	31 COOKED-FRESH OR CANNED	NOUSREG	A 0.010000	0.010000		100.00	0.010000
06002BA	BANANAS-DRIED	10 RAW-FRESH OR NFS	NOUSREG	A 0.010000	0.010000		100.00	0.010000
06002DA	BANANAS-DRIED	21 COOKED-NFS	NOUSREG	A 0.010000	0.010000		100.00	0.010000
06016AA	PLANTAINS	23 COOKED-FRESH-BOILED	NOUSREG	A 0.010000	0.010000		100.00	0.010000
06016AA	PLANTAINS	25 COOKED-FRESH-FRIED	NOUSREG	A 0.010000	0.010000		100.00	0.010000
08048DA	PAPRIKA	00 NOT SPECIFIED (NO CONSUMPTION)	INTERIM	P 0.002500	0.002500		10.00	0.000250
11003AA	PEPPERS, SWEET	10 RAW-FRESH OR NFS	INTERIM	P 0.002500	0.002500		10.00	0.000250
11003AA	PEPPERS, SWEET	21 COOKED-NFS	INTERIM	P 0.002500	0.002500		10.00	0.000250
11003AB	CHILI PEPPERS	00 NOT SPECIFIED (NO CONSUMPTION)	INTERIM	P 0.002500	0.002500		10.00	0.000250
11003AD	PEPPERS-OTHER	10 RAW-FRESH OR NFS	INTERIM	P 0.002500	0.002500		10.00	0.000250
11003AD	PEPPERS-OTHER	21 COOKED-NFS	INTERIM	P 0.002500	0.002500		10.00	0.000250
11003AD	PEPPERS-OTHER	51 COOKED-CANNED	INTERIM	P 0.002500	0.002500		10.00	0.000250
11004AA	PIMIENTOS	10 RAW-FRESH OR NFS	INTERIM	P 0.002500	0.002500		10.00	0.000250
11004AA	PIMIENTOS	21 COOKED-NFS	INTERIM	P 0.002500	0.002500		10.00	0.000250
11005AA	TOMATOES-WHOLE	31 COOKED-FRESH OR CANNED	INTERIM	P 0.004000	0.004000		10.00	0.000400
11005AA	TOMATOES-WHOLE	10 RAW-FRESH OR NFS	INTERIM	P 0.004000	0.004000		10.00	0.000400
11005AA	TOMATOES-WHOLE	31 COOKED-FRESH OR CANNED	INTERIM	P 0.004000	0.004000		10.00	0.000400
11005JA	TOMATOES-JUICE	10 RAW-FRESH OR NFS	INTERIM	P 0.004000	0.004000		10.00	0.000400
11005JA	TOMATOES-JUICE	21 COOKED-NFS	INTERIM	P 0.004000	0.004000		10.00	0.000400
11005RA	TOMATOES-PUREE	10 RAW-FRESH OR NFS	INTERIM	P 0.004000	0.004000		10.00	0.000400
11005RA	TOMATOES-PUREE	21 COOKED-NFS	INTERIM	P 0.004000	0.004000		10.00	0.000400
11005RA	TOMATOES-PUREE	31 COOKED-FRESH OR CANNED	INTERIM	P 0.004000	0.004000		10.00	0.000400
11005RA	TOMATOES-PUREE	32 COOKED-FRESH OR CANNED-BAKED	INTERIM	P 0.004000	0.004000		10.00	0.000400
11005RA	TOMATOES-PUREE	51 COOKED-CANNED	INTERIM	P 0.004000	0.004000		10.00	0.000400
11005TA	TOMATOES-PASTE	21 COOKED-NFS	INTERIM	P 0.004000	0.004000		10.00	0.000400
11005TA	TOMATOES-PASTE	22 COOKED-FRESH-BAKED	INTERIM	P 0.004000	0.004000		10.00	0.000400
11005TA	TOMATOES-PASTE	31 COOKED-FRESH OR CANNED	INTERIM	P 0.004000	0.004000		10.00	0.000400
11005UA	TOMATOES-CATSUP	21 COOKED-NFS	INTERIM	P 0.004000	0.004000		10.00	0.000400
13005AA	BROCCOLI	21 COOKED-NFS	INTERIM	P 0.001000	0.001000		2.00	0.000020
13005AA	BROCCOLI	31 COOKED-FRESH OR CANNED	INTERIM	P 0.001000	0.001000		2.00	0.000020
13005AA	BROCCOLI	63 COOKED-FRESH OR FROZEN-BOILED	INTERIM	P 0.001000	0.001000		2.00	0.000020
13006AA	BRUSSEL SPROUTS	21 COOKED-NFS	INTERIM	P 0.001000	0.001000		2.00	0.000020
13006AA	BRUSSEL SPROUTS	23 COOKED-FRESH-BOILED	INTERIM	P 0.001000	0.001000		2.00	0.000020
13007AA	CABBAGE	10 RAW-FRESH OR NFS	INTERIM	P 0.001000	0.001000		2.00	0.000020
13007AA	CABBAGE	11 RAW-FRESH-PICKLED, CORNED, OR CURED	INTERIM	P 0.001000	0.001000		2.00	0.000020

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CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
PCB from PCNB (3/9/93 run) Caswell #99PCB CAS No. A.I. CODE: CFR No. 180.	130 wk feeding- rat NOEL= 0.0800 mg/kg 0.00 ppm LEL= 0.0000 mg/kg 0.00 ppm ONCO: Group B2	hepatic centrilobular basophilic chromogenesis	PLD UF -->100 OPP RfD= 0.000800 EPA RfD= 0.000800  α*: 1.70000	Chronic feeding-2 sp. Reproduction-rat Developmental-3 sp. Note: studies listed on RfD cover sheet have not been Tox reviewed	HED complete 05/05/88 EPA verified 05/26/88

FOOD CODE	FOOD	PET.#	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR STATISTIC TYPE	% CROP TREATED	RES. VALUE USED IN TAS RUN (ppm)
13007AA	CABBAGE	21	COOKED-NFS	0.001000		2.00	0.000020
13008AA	CAULIFLOWER	10	RAW-FRESH OR NFS	0.001000		2.00	0.000020
13008AA	CAULIFLOWER	21	COOKED-NFS	0.001000		2.00	0.000020
13009AA	COLLARDS	51	COOKED-CANNED	0.005000		2.00	0.000100
13009AA	COLLARDS	63	COOKED-FRESH OR FROZEN-BOILED	0.005000		2.00	0.000100
13010AA	CABBAGE-CHINESE	10	RAW-FRESH OR NFS	0.001000		2.00	0.000020
13010AA	CABBAGE-CHINESE	21	COOKED-NFS	0.001000		2.00	0.000020
13011AA	KALE	63	COOKED-FRESH OR FROZEN-BOILED	0.005000		2.00	0.000100
13021AA	MUSTARD GREENS	21	COOKED-NFS	0.005000		2.00	0.000100
13021AA	MUSTARD GREENS	63	COOKED-FRESH OR FROZEN-BOILED	0.005000		2.00	0.000100
14007AA	GARLIC	10	RAW-FRESH OR NFS	0.028000		10.00	0.002800
14007AA	GARLIC	21	COOKED-NFS	0.028000		10.00	0.002800
14007AA	GARLIC	32	COOKED-FRESH OR CANNED-BAKED	0.028000		10.00	0.002800
14013AA	POTATO(WH)-WHOLE	10	RAW-FRESH OR NFS	0.028000		1.00	0.000280
14013AA	POTATO(WH)-WHOLE	21	COOKED-NFS	0.028000		1.00	0.000280
14013AA	POTATO(WH)-WHOLE	22	COOKED-FRESH-BAKED	0.028000		1.00	0.000280
14013AB	POTATO(WH)-UNSP	22	COOKED-FRESH-BAKED	0.028000		1.00	0.000280
14013AC	POTATO(WH)-PULP	21	COOKED-NFS	0.028000		1.00	0.000280
14013AC	POTATO(WH)-PULP	22	COOKED-FRESH-BAKED	0.028000		1.00	0.000280
14013AC	POTATO(WH)-PULP	23	COOKED-FRESH-BOILED	0.028000		1.00	0.000280
14013AC	POTATO(WH)-PULP	25	COOKED-FRESH-FRIED	0.028000		1.00	0.000280
14013DA	POTATO(WH)-DRY	10	RAW-FRESH OR NFS	0.028000		1.00	0.000280
14013DA	POTATO(WH)-DRY	31	COOKED-FRESH OR CANNED	0.028000		1.00	0.000280
14013HA	POTATO(WH)-PEEL	22	COOKED-FRESH-BAKED	0.028000C		1.00	0.000280
15001AA	BEANS-DRY-GRT	NO	NOT SPECIFIED (NO CONSUMPTION)	0.002500		5.00	0.000125
15001AB	BEANS-DRY-KIDNEY	21	COOKED-NFS	0.002500		5.00	0.000125
15001AB	BEANS-DRY-KIDNEY	31	COOKED-FRESH OR CANNED	0.002500		5.00	0.000125
15001AC	BEANS-DRY-LIMA	21	COOKED-NFS	0.002500		5.00	0.000125
15001AD	BEANS-DRY-NAVY	21	COOKED-NFS	0.002500		5.00	0.000125
15001AD	BEANS-DRY-NAVY	31	COOKED-FRESH OR CANNED	0.002500		5.00	0.000125
15001AE	BEANS-DRY-OTHER	21	COOKED-NFS	0.002500		5.00	0.000125
15001AE	BEANS-DRY-OTHER	25	COOKED-FRESH-FRIED	0.002500		5.00	0.000125
15001AE	BEANS-DRY-OTHER	31	COOKED-FRESH OR CANNED	0.002500		5.00	0.000125
15001AF	BEANS-DRY-PINTO	21	COOKED-NFS	0.002500		5.00	0.000125
15002AA	BEANS-SUCC-LIMA	10	RAW-FRESH OR NFS	0.002500		5.00	0.000125
15002AA	BEANS-SUCC-LIMA	21	COOKED-NFS	0.002500		5.00	0.000125
15003AA	BEANS-SUCC-GREEN	21	COOKED-NFS	0.002500		5.00	0.000125
15003AB	BEANS-SUCC-OTH	10	RAW-FRESH OR NFS	0.002500		5.00	0.000125
15003AB	BEANS-SUCC-OTH	21	COOKED-NFS	0.002500		5.00	0.000125
15003AC	BEANS-SUCC-MAX	21	COOKED-NFS	0.002500		5.00	0.000125

CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
PCB from PCB (3/9/93 run) Caswell #99PCB CAS No. A.I. CODE: CFR No. 180.	130 wk feeding- rat NOEL= 0.0800 mg/kg 0.00 ppm LEL= 0.0000 mg/kg 0.00 ppm ONCO: Group B2	hepatic centrilobular basophilic chromogenesis	PLD UF -->100 OPP Rfd= 0.000800 EPA Rfd= 0.000800 Q*: 1.70000	Chronic feeding-2 sp. Reproduction-rat Developmental-3 sp. Note: studies listed on Rfd cover sheet have not been Tox reviewed	HED complete 05/05/88 EPA verified 05/26/88

FOOD CODE	FOOD	FOOD FORM	PET.#	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR STATISTIC TYPE	% CROP TREATED	RES. VALUE USED IN TAS RUN (ppm)
15006AA	PEANUTS-WHOLE	10 RAW-FRESH OR NFS	INTERIM	P 0.026000	0.026000		5.00	0.001300
15006AA	PEANUTS-WHOLE	21 COOKED-NFS	INTERIM	P 0.026000	0.026000		5.00	0.001300
15006AA	PEANUTS-WHOLE	22 COOKED-FRESH-BAKED	INTERIM	P 0.026000	0.026000		5.00	0.001300
15013AA	MUNG BEANS	10 RAW-FRESH OR NFS	INTERIM	P 0.002500	0.002500		5.00	0.000125
15013AA	MUNG BEANS	21 COOKED-NFS	INTERIM	P 0.002500	0.002500		5.00	0.000125
15022AA	BEANS-DRY-BROAD	00 NOT SPECIFIED (NO CONSUMPTION)	INTERIM	P 0.002500	0.002500		5.00	0.000125
15022AB	BEANS-SUCC-BROAD	00 NOT SPECIFIED (NO CONSUMPTION)	INTERIM	P 0.002500	0.002500		5.00	0.000125
15023AA	BEANS-DRY-PIGEON	21 COOKED-NFS	INTERIM	P 0.002500	0.002500		5.00	0.000125
15027AA	BEANS-UNSPEC	21 COOKED-NFS	INTERIM	P 0.002500	0.002500		5.00	0.000125
15030AA	BEANS-DRY-HYAC	00 NOT SPECIFIED (NO CONSUMPTION)	INTERIM	P 0.002500	0.002500		5.00	0.000125
15030AB	BEANS-SUCC-HYAC	00 NOT SPECIFIED (NO CONSUMPTION)	INTERIM	P 0.002500	0.002500		5.00	0.000125
15031AA	BLKEYE PEAS-DRY	21 COOKED-NFS	INTERIM	P 0.002500	0.002500		5.00	0.000125
15032AA	BEANS-DRY	21 COOKED-NFS	INTERIM	P 0.002500	0.002500		5.00	0.000125
15032AA	BEANS-DRY	31 COOKED-FRESH OR CANNED	INTERIM	P 0.002500	0.002500		5.00	0.000125
270030A	COTTONSEED-OIL	18 PROCESSED OIL	9F0754	P 0.100000	0.002500		10.00	0.000250
270030A	COTTONSEED-MEAL	18 PROCESSED OIL	9F0754	P 0.100000	0.002500		10.00	0.000250
270070A	PEANUTS-OIL	18 PROCESSED OIL	INTERIM	P 0.026000	0.026000		5.00	0.001300
50000DB	MILK-NON-FAT SOL	10 RAW-FRESH OR NFS	NO TOL.	N 0.000010	0.000010		100.00	0.000010
50000DB	MILK-NON-FAT SOL	21 COOKED-NFS	NO TOL.	N 0.000010	0.000010		100.00	0.000010
50000DB	MILK-NON-FAT SOL	51 COOKED-CANNED	NO TOL.	N 0.000010	0.000010		100.00	0.000010
50000FA	MILK-FAT SOLIDS	10 RAW-FRESH OR NFS	NO TOL.	N 0.000010	0.000010		100.00	0.000010
50000FA	MILK-FAT SOLIDS	21 COOKED-NFS	NO TOL.	N 0.000010	0.000010		100.00	0.000010
50000FA	MILK-FAT SOLIDS	51 COOKED-CANNED	NO TOL.	N 0.000010	0.000010		100.00	0.000010
50000SA	MILK SUG (LACT)	21 COOKED-NFS	NO TOL.	N 0.000010	0.000010		100.00	0.000010
50000SA	MILK SUG (LACT)	51 COOKED-CANNED	NO TOL.	N 0.000010	0.000010		100.00	0.000010
53001BA	BEEF-MEAT BYP	21 COOKED-NFS	NO TOL.	N 0.000030	0.000030		100.00	0.000030
53001BA	BEEF-MEAT BYP	26 COOKED-FRESH-PICKLED, CORNED, OR CURED	NO TOL.	N 0.000030	0.000030		100.00	0.000030
53001BB	BEEF-OTH ORGAN	21 COOKED-NFS	NO TOL.	N 0.000010	0.000010		100.00	0.000010
53001BB	BEEF-OTH ORGAN	51 COOKED-CANNED	NO TOL.	N 0.000010	0.000010		100.00	0.000010
53001DA	BEEF-DRID	21 COOKED-NFS	NO TOL.	N 0.000030	0.000030		100.00	0.000030
53001FA	BEEF-FAT	10 RAW-FRESH OR NFS	NO TOL.	N 0.000030	0.000030		100.00	0.000030
53001FA	BEEF-FAT	21 COOKED-NFS	NO TOL.	N 0.000030	0.000030		100.00	0.000030
53001FA	BEEF-FAT	22 COOKED-FRESH-BAKED	NO TOL.	N 0.000030	0.000030		100.00	0.000030
53001FA	BEEF-FAT	23 COOKED-FRESH-BOILED	NO TOL.	N 0.000030	0.000030		100.00	0.000030
53001FA	BEEF-FAT	24 COOKED-FRESH-BROILED	NO TOL.	N 0.000030	0.000030		100.00	0.000030
53001FA	BEEF-FAT	25 COOKED-FRESH-FRIED	NO TOL.	N 0.000030	0.000030		100.00	0.000030
53001KA	BEEF-KIDNEY	21 COOKED-NFS	NO TOL.	N 0.000010	0.000010		100.00	0.000010
53001LA	BEEF-LIVER	25 COOKED-FRESH-FRIED	NO TOL.	N 0.000010	0.000010		100.00	0.000010
53001LA	BEEF-LIVER	31 COOKED-FRESH OR CANNED	NO TOL.	N 0.000010	0.000010		100.00	0.000010
53001MA	BEEF-LEAN	10 RAW-FRESH OR NFS	NO TOL.	N 0.000030	0.000030		100.00	0.000030

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CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
PCB from PCB (3/9/93 run) Caswell #99PCB CAS No. A.I. CODE: CFR No. 180.	130 wk feeding- rat NOEL= 0.0800 mg/kg 0.00 ppm LEL= 0.0000 mg/kg 0.00 ppm ONCO: Group B2	hepatic centrilobular basophilic chromogenesis	PLD UF -->100 OPP RfD= 0.000800 EPA RfD= 0.000800 q*: 1.70000	Chronic feeding-2 sp. Reproduction-rat Developmental-3 sp. Note: studies listed on RfD cover sheet have not been Tox reviewed	HED complete 05/05/88 EPA verified 05/26/88

FOOD CODE	FOOD	FOOD FORM	PET.#	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR STATISTIC TYPE	% CROP TREATED	RES. VALUE USED IN TAS RUN (ppm)
53001MA	BEEF-LEAN	21 COOKED-NFS	NO TOL.	N 0.000030	0.000030		100.00	0.000030
53001MA	BEEF-LEAN	22 COOKED-FRESH-BAKED	NO TOL.	N 0.000030	0.000030		100.00	0.000030
53001MA	BEEF-LEAN	23 COOKED-FRESH-BOILED	NO TOL.	N 0.000030	0.000030		100.00	0.000030
53001MA	BEEF-LEAN	24 COOKED-FRESH-BROILED	NO TOL.	N 0.000030	0.000030		100.00	0.000030
53002BA	GOAT-MEAT BYP	00 NOT SPECIFIED (NO CONSUMPTION)	NO TOL.	N 0.000030	0.000030		100.00	0.000030
53002BB	GOAT-OTH ORGAN	00 NOT SPECIFIED (NO CONSUMPTION)	NO TOL.	N 0.000010	0.000010		100.00	0.000010
53002FA	GOAT-FAT	23 COOKED-FRESH-BOILED	NO TOL.	N 0.000030	0.000030		100.00	0.000030
53002FA	GOAT-FAT	25 COOKED-FRESH-FRIED	NO TOL.	N 0.000030	0.000030		100.00	0.000030
53002KA	GOAT-KIDNEY	00 NOT SPECIFIED (NO CONSUMPTION)	NO TOL.	N 0.000010	0.000010		100.00	0.000010
53002LA	GOAT-LIVER	00 NOT SPECIFIED (NO CONSUMPTION)	NO TOL.	N 0.000010	0.000010		100.00	0.000010
53002MA	GOAT-LEAN	23 COOKED-FRESH-BOILED	NO TOL.	N 0.000030	0.000030		100.00	0.000030
53002MA	GOAT-LEAN	25 COOKED-FRESH-FRIED	NO TOL.	N 0.000030	0.000030		100.00	0.000030
53003AA	HORSE	00 NOT SPECIFIED (NO CONSUMPTION)	NO TOL.	N 0.000030	0.000030		100.00	0.000030
53005BA	SHEEP-MEAT BYP	21 COOKED-NFS	NO TOL.	N 0.000030	0.000030		100.00	0.000030
53005BB	SHEEP-OTH ORGAN	21 COOKED-NFS	NO TOL.	N 0.000010	0.000010		100.00	0.000010
53005FA	SHEEP-FAT	21 COOKED-NFS	NO TOL.	N 0.000030	0.000030		100.00	0.000030
53005KA	SHEEP-KIDNEY	21 COOKED-NFS	NO TOL.	N 0.000010	0.000010		100.00	0.000010
53005LA	SHEEP-LIVER	00 NOT SPECIFIED (NO CONSUMPTION)	NO TOL.	N 0.000010	0.000010		100.00	0.000010
53005MA	SHEEP-LEAN	21 COOKED-NFS	NO TOL.	N 0.000030	0.000030		100.00	0.000030
53005MA	SHEEP-LEAN	31 COOKED-FRESH OR CANNED	NO TOL.	N 0.000030	0.000030		100.00	0.000030
53006BA	PORK-MEAT BYP	21 COOKED-NFS	NO TOL.	N 0.000030	0.000030		100.00	0.000030
53006BB	PORK-OTH ORGAN	21 COOKED-NFS	NO TOL.	N 0.000010	0.000010		100.00	0.000010
53006BB	PORK-OTH ORGAN	26 COOKED-FRESH-PICKLED, CORNED, OR CURED	NO TOL.	N 0.000010	0.000010		100.00	0.000010
53006FA	PORK-FAT	10 RAW-FRESH OR NFS	NO TOL.	N 0.000030	0.000030		100.00	0.000030
53006FA	PORK-FAT	21 COOKED-NFS	NO TOL.	N 0.000030	0.000030		100.00	0.000030
53006FA	PORK-FAT	23 COOKED-FRESH-BOILED	NO TOL.	N 0.000030	0.000030		100.00	0.000030
53006FA	PORK-FAT	25 COOKED-FRESH-FRIED	NO TOL.	N 0.000030	0.000030		100.00	0.000030
53006FA	PORK-FAT	26 COOKED-FRESH-PICKLED, CORNED, OR CURED	NO TOL.	N 0.000030	0.000030		100.00	0.000030
53006KA	PORK-KIDNEY	21 COOKED-NFS	NO TOL.	N 0.000010	0.000010		100.00	0.000010
53006LA	PORK-LIVER	21 COOKED-NFS	NO TOL.	N 0.000010	0.000010		100.00	0.000010
53006LA	PORK-LIVER	25 COOKED-FRESH-FRIED	NO TOL.	N 0.000010	0.000010		100.00	0.000010
53006MA	PORK-LEAN	21 COOKED-NFS	NO TOL.	N 0.000030	0.000030		100.00	0.000030
53006MA	PORK-LEAN	25 COOKED-FRESH-FRIED	NO TOL.	N 0.000030	0.000030		100.00	0.000030
53006MA	PORK-LEAN	26 COOKED-FRESH-PICKLED, CORNED, OR CURED	NO TOL.	N 0.000030	0.000030		100.00	0.000030
53008BA	TURKEY-BYP	21 COOKED-NFS	NO TOL.	N 0.000010	0.000010		100.00	0.000010
53008BA	TURKEY-BYP	26 COOKED-FRESH-PICKLED, CORNED, OR CURED	NO TOL.	N 0.000010	0.000010		100.00	0.000010
53008LA	TURKEY ORGAN	21 COOKED-NFS	NO TOL.	N 0.000010	0.000010		100.00	0.000010
53008LA	TURKEY ORGAN	25 COOKED-FRESH-FRIED	NO TOL.	N 0.000010	0.000010		100.00	0.000010
53008MA	TURKEY W/O SKIN	21 COOKED-NFS	NO TOL.	N 0.000010	0.000010		100.00	0.000010
53008MA	TURKEY W/O SKIN	31 COOKED-FRESH OR CANNED	NO TOL.	N 0.000010	0.000010		100.00	0.000010

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CHEMICAL	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
PCB from PCNB (3/9/93 run) Caswell #99PCB CAS No. A.I. CODE: CFR No. 180.	130 wk feeding- rat NOEL= 0.0800 mg/kg 0.00 ppm LEL= 0.0000 mg/kg 0.00 ppm ONCO: Group B2	hepatic centrilobular basophilic chromogenesis	PLD UF -->100 OPP RfD= 0.000800 EPA RfD= 0.000800 Q*: 1.70000	Chronic feeding-2 sp. Reproduction-rat Developmental-3 sp. Note: studies listed on RfD cover sheet have not been Tox reviewed	HED complete 05/05/88 EPA verified 05/26/88

FOOD CODE	FOOD	FOOD FORM	PET.#	TOLERANCE (ppm)	ANTICIPATED RESIDUE (ppm)	AR STATISTIC TYPE	% CROP TREATED	RES. VALUE USED IN TAS RUN (ppm)
55008MA	TURKEY W/O SKIN	62 COOKED-FRESH OR FROZEN-BAKED	NO TOL.	N 0.000010	0.000010		100.00	0.000010
55008MB	TURKEY+SKIN	21 COOKED-NFS	NO TOL.	N 0.000010	0.000200		100.00	0.000200
55008MC	TURKEY-UNSPEC	25 COOKED-FRESH-FRIED	NO TOL.	N 0.000010	0.000200		100.00	0.000200
55013BA	POULTRY,OTH-BYP	21 COOKED-NFS	NO TOL.	N 0.000010	0.000200		100.00	0.000200
55013LA	POULTRY,ORGAN	00 NOT SPECIFIED (NO CONSUMPTION)	NO TOL.	N 0.000010	0.000200		100.00	0.000200
55013MA	POULTRY,OTHER	25 COOKED-FRESH-FRIED	NO TOL.	N 0.000010	0.000010		100.00	0.000010
55014AA	EGGS-WHOLE	21 COOKED-NFS	NO TOL.	N 0.000010	0.000200		100.00	0.000200
55014AB	EGGS-WHOLE	10 RAW-FRESH OR NFS	NO TOL.	N 0.000010	0.000010		100.00	0.000010
55014AA	EGGS-WHOLE	21 COOKED-NFS	NO TOL.	N 0.000010	0.000010		100.00	0.000010
55014AA	EGGS-WHOLE	22 COOKED-FRESH-BAKED	NO TOL.	N 0.000010	0.000010		100.00	0.000010
55014AA	EGGS-WHOLE	23 COOKED-FRESH-BOILED	NO TOL.	N 0.000010	0.000010		100.00	0.000010
55014AA	EGGS-WHOLE	25 COOKED-FRESH-FRIED	NO TOL.	N 0.000010	0.000010		100.00	0.000010
55014AB	EGGS-WHITE ONLY	10 RAW-FRESH OR NFS	NO TOL.	N 0.000010	0.000010		100.00	0.000010
55014AB	EGGS-WHITE ONLY	21 COOKED-NFS	NO TOL.	N 0.000010	0.000010		100.00	0.000010
55014AB	EGGS-WHITE ONLY	22 COOKED-FRESH-BAKED	NO TOL.	N 0.000010	0.000010		100.00	0.000010
55014AC	EGGS-YOLK ONLY	62 COOKED-FRESH OR FROZEN-BAKED	NO TOL.	N 0.000010	0.000010		100.00	0.000010
55014AC	EGGS-YOLK ONLY	81 COOKED-FROZEN	NO TOL.	N 0.000010	0.000010		100.00	0.000010
55014AC	EGGS-YOLK ONLY	10 RAW-FRESH OR NFS	NO TOL.	N 0.000010	0.000010		100.00	0.000010
55014AC	EGGS-YOLK ONLY	25 COOKED-NFS	NO TOL.	N 0.000010	0.000010		100.00	0.000010
55014AC	EGGS-YOLK ONLY	21 COOKED-FRESH-FRIED	NO TOL.	N 0.000010	0.000010		100.00	0.000010
55014AC	EGGS-YOLK ONLY	31 COOKED-FRESH OR CANNED	NO TOL.	N 0.000010	0.000010		100.00	0.000010
55015BA	CHICKEN-BYP	00 NOT SPECIFIED (NO CONSUMPTION)	NO TOL.	N 0.000010	0.000200		100.00	0.000200
55015LA	CHICKEN-ORGAN	21 COOKED-NFS	NO TOL.	N 0.000010	0.000010		100.00	0.000010
55015LA	CHICKEN-ORGAN	25 COOKED-FRESH-FRIED	NO TOL.	N 0.000010	0.000010		100.00	0.000010
55015LA	CHICKEN-W/O SKIN	26 COOKED-FRESH-PICKLED, CORNED, OR CURED	NO TOL.	N 0.000010	0.000010		100.00	0.000010
55015MA	CHICKEN-W/O SKIN	21 COOKED-NFS	NO TOL.	N 0.000010	0.000010		100.00	0.000010
55015MA	CHICKEN-W/O SKIN	22 COOKED-FRESH-BAKED	NO TOL.	N 0.000010	0.000010		100.00	0.000010
55015MA	CHICKEN-W/O SKIN	25 COOKED-FRESH-FRIED	NO TOL.	N 0.000010	0.000010		100.00	0.000010
55015MA	CHICKEN-W/O SKIN	31 COOKED-FRESH OR CANNED	NO TOL.	N 0.000010	0.000010		100.00	0.000010
55015MA	CHICKEN-W/O SKIN	53 COOKED-CANNED-BOILED	NO TOL.	N 0.000010	0.000010		100.00	0.000010
55015MB	CHICKEN+SKIN	21 COOKED-NFS	NO TOL.	N 0.000010	0.000200		100.00	0.000200
55015MB	CHICKEN+SKIN	25 COOKED-FRESH-FRIED	NO TOL.	N 0.000010	0.000200		100.00	0.000200



# TABLE 2A

## TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS

DATE: 03/09/93

PAGE: 1

CHEMICAL INFORMATION	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
PCNB (Quintozene) Caswell #640 CAS No. 82-68-8 A.I. CODE: 056502 CFR No. 180.291	2yr feeding- dog NOEL= 0.7500 mg/kg 30.00 ppm LEL= 4.5000 mg/kg 180.00 ppm ONCO: C (HED)	Cholestatic hepatitis and secondary bile nephrosis. Insufficient data for assessment of oncogenicity.	PADI UF -->300 OPP RfD= 0.003000 EPA RfD= 0.003000	Developmental tox- rabbit (core supplementary) q* not applicable. (Syn. Pentachloronitrobenzene).	WHO last reviewed 1977. HED complete 07/18/86. EPA verified 08/18/86. HED complete 03/17/87. EPA verified 04/15/87. On IRIS.

POPULATION SUBGROUP	TOTAL TMRC (MG/KG BODY WEIGHT/DAY)		NEW TMRC AS PERCENT OF RFD	DIFFERENCE AS PERCENT OF RFD	EFFECT OF ANTICIPATED RESIDUES	
	CURRENT TMRC*	NEW TMRC**			ARC	%RFD
U.S. POPULATION - 48 STATES	0.000338	0.000361	12.021867	0.769100	0.000010	0.34150
U.S. POPULATION - SPRING SEASON	0.000328	0.000350	11.663667	0.728167	0.000010	0.32920
U.S. POPULATION - SUMMER SEASON	0.000350	0.000373	12.438367	0.786433	0.000011	0.35250
U.S. POPULATION - FALL SEASON	0.000336	0.000359	11.982100	0.775867	0.000010	0.34233
U.S. POPULATION - WINTER SEASON	0.000334	0.000358	11.919800	0.786133	0.000010	0.34170
NORTHEAST REGION	0.000322	0.000344	11.475467	0.748467	0.000010	0.33240
NORTH CENTRAL REGION	0.000342	0.000363	12.110833	0.707633	0.000010	0.33270
SOUTHERN REGION	0.000343	0.000363	12.098000	0.674000	0.000009	0.31427
WESTERN REGION	0.000340	0.000371	12.377767	1.052300	0.000012	0.41310
HISPANICS	0.000329	0.000368	12.279867	1.326233	0.000014	0.45230
NON-HISPANIC WHITES	0.000340	0.000363	12.096833	0.766633	0.000010	0.34667
NON-HISPANIC BLACKS	0.000325	0.000339	11.306800	0.481767	0.000007	0.24797
NON-HISPANIC OTHERS	0.000310	0.000344	11.462933	1.122833	0.000012	0.40673
NURSING INFANTS (< 1 YEAR OLD)	0.000095	0.000187	6.234967	3.072600	0.000025	0.82410
NON-NURSING INFANTS (< 1 YEAR OLD)	0.000310	0.000418	13.944200	3.612533	0.000032	1.07040
FEMALES (13+ YEARS, PREGNANT)	0.000252	0.000264	8.811333	0.426433	0.000006	0.21210
FEMALES (13+ YEARS, NURSING)	0.000291	0.000309	10.309467	0.604400	0.000008	0.28243
CHILDREN (1-6 YEARS OLD)	0.000712	0.000785	26.182200	2.438167	0.000029	0.96107
CHILDREN (7-12 YEARS OLD)	0.000543	0.000573	19.096967	0.995133	0.000015	0.51040
MALES (13-19 YEARS OLD)	0.000355	0.000370	12.342033	0.517067	0.000009	0.28850
FEMALES (13-19 YEARS OLD, NOT PREG. OR NURSING)	0.000288	0.000301	10.048400	0.441500	0.000007	0.23450
MALES (20 YEARS AND OLDER)	0.000269	0.000284	9.468167	0.485233	0.000007	0.23410
FEMALES (20 YEARS AND OLDER, NOT PREG. OR NURS)	0.000241	0.000256	8.534567	0.497633	0.000007	0.21960

\*Current TMRC does not include new or pending tolerances.  
\*\*New TMRC includes new, pending, and published tolerances.

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TOLERANCE ASSESSMENT SUMMARY FOR PCNB (Quintozene)  
USING ANTICIPATED RESIDUES  
CASWELL #640

DATE: 03/09/93

ANALYSIS FOR POPULATION SUB-GROUP: U.S. POPULATION - 48 STATES

EXISTING ANTICIPATED RESIDUES (PUBLISHED ONLY)		
RESULT IN AN ARC OF:	0.000004	MG/KG/DAY
THE EXISTING ARC IS EQUIVALENT TO:	0.146	% OF THE ADI.
PROPOSED NEW ANTICIPATED RESIDUES (CURRENT PETITION ONLY)		
RESULT IN AN ARC OF:	<0.000001	MG/KG/DAY
THESE NEW ANTICIPATED RESIDUES WILL OCCUPY:	0.003	% OF THE ADI.
IF THE NEW ANTICIPATED RESIDUES (CURRENT PETITION ONLY)		
ARE APPROVED THE RESULTANT ARC WILL BE:	0.000004	MG/KG/DAY
THE NEW ARC WILL OCCUPY	0.149	% OF THE ADI.
OTHER PENDING ANTICIPATED RESIDUES EXCLUDING THE		
CURRENT NEW PETITION HAVE AN ARC OF:	0.000006	MG/KG/DAY
THIS ARC WILL OCCUPY	0.192	% OF THE ADI.
IF ALL PENDING ANTICIPATED RESIDUES (INCLUDING THE		
CURRENT NEW PETITION) ARE GRANTED		
THE RESULTANT ARC WILL BE:	0.000010	MG/KG/DAY
THE TOTAL ARC WILL OCCUPY	0.342	% OF THE ADI.

ANALYSIS FOR POPULATION SUB-GROUP: NON-NURSING INFANTS (< 1 YEAR OLD)

EXISTING ANTICIPATED RESIDUES (PUBLISHED ONLY)		
RESULT IN AN ARC OF:	0.000005	MG/KG/DAY
THE EXISTING ARC IS EQUIVALENT TO:	0.156	% OF THE ADI.
PROPOSED NEW ANTICIPATED RESIDUES (CURRENT PETITION ONLY)		
RESULT IN AN ARC OF:	<0.000001	MG/KG/DAY
THESE NEW ANTICIPATED RESIDUES WILL OCCUPY:	0.011	% OF THE ADI.
IF THE NEW ANTICIPATED RESIDUES (CURRENT PETITION ONLY)		
ARE APPROVED THE RESULTANT ARC WILL BE:	0.000005	MG/KG/DAY
THE NEW ARC WILL OCCUPY	0.167	% OF THE ADI.
OTHER PENDING ANTICIPATED RESIDUES EXCLUDING THE		
CURRENT NEW PETITION HAVE AN ARC OF:	0.000027	MG/KG/DAY
THIS ARC WILL OCCUPY	0.903	% OF THE ADI.
IF ALL PENDING ANTICIPATED RESIDUES (INCLUDING THE		
CURRENT NEW PETITION) ARE GRANTED		
THE RESULTANT ARC WILL BE:	0.000032	MG/KG/DAY
THE TOTAL ARC WILL OCCUPY	1.070	% OF THE ADI.

ANALYSIS FOR POPULATION SUB-GROUP: CHILDREN (1-6 YEARS OLD)

EXISTING ANTICIPATED RESIDUES (PUBLISHED ONLY)		
RESULT IN AN ARC OF:	0.000010	MG/KG/DAY
THE EXISTING ARC IS EQUIVALENT TO:	0.344	% OF THE ADI.
PROPOSED NEW ANTICIPATED RESIDUES (CURRENT PETITION ONLY)		
RESULT IN AN ARC OF:	<0.000001	MG/KG/DAY
THESE NEW ANTICIPATED RESIDUES WILL OCCUPY:	0.008	% OF THE ADI.
IF THE NEW ANTICIPATED RESIDUES (CURRENT PETITION ONLY)		
ARE APPROVED THE RESULTANT ARC WILL BE:	0.000011	MG/KG/DAY
THE NEW ARC WILL OCCUPY	0.352	% OF THE ADI.
OTHER PENDING ANTICIPATED RESIDUES EXCLUDING THE		
CURRENT NEW PETITION HAVE AN ARC OF:	0.000018	MG/KG/DAY
THIS ARC WILL OCCUPY	0.610	% OF THE ADI.
IF ALL PENDING ANTICIPATED RESIDUES (INCLUDING THE		
CURRENT NEW PETITION) ARE GRANTED		
THE RESULTANT ARC WILL BE:	0.000029	MG/KG/DAY
THE TOTAL ARC WILL OCCUPY	0.961	% OF THE ADI.

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TABLE 26

TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS

DATE: 03/09/93

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CHEMICAL INFORMATION	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
HCB from PCNB (3/9/93 run) Caswell #99HCB CAS No. A.I. CODE: CFR No. 180.	130 wk feeding- rat NOEL= 0.0800 mg/kg 0.00 ppm LEL= 0.0000 mg/kg 0.00 ppm ONCO: Group B2	hepatic centrilobular basophilic chromogenesis	PLD UF -->100 OPP RfD= 0.000800 EPA RfD= 0.000800 q*: 1.70000	Chronic feeding-2 sp. Reproductin-rat developmental-3 sp. Note: studies listed on RfD cover sheet have not been Tox reviewed	HED complete 05/05/88 EPA verified 05/26/88

POPULATION SUBGROUP	TOTAL TMRC (MG/KG BODY WEIGHT/DAY)		NEW TMRC AS PERCENT OF RFD	DIFFERENCE AS PERCENT OF RFD	EFFECT OF ANTICIPATED RESIDUES	
	CURRENT TMRC*	NEW TMRC**			ARC	%RFD
U.S. POPULATION - 48 STATES	0.000013	0.000014	1.760875	0.197750	0.000002	0.25100
U.S. POPULATION - SPRING SEASON	0.000012	0.000014	1.698625	0.193875	0.000002	0.24425
U.S. POPULATION - SUMMER SEASON	0.000013	0.000014	1.765750	0.198250	0.000002	0.25563
U.S. POPULATION - FALL SEASON	0.000013	0.000014	1.786125	0.200500	0.000002	0.25200
U.S. POPULATION - WINTER SEASON	0.000013	0.000014	1.785250	0.199125	0.000002	0.25075
NORTHEAST REGION	0.000012	0.000013	1.648125	0.195000	0.000002	0.24588
NORTH CENTRAL REGION	0.000013	0.000015	1.813750	0.178125	0.000002	0.23000
SOUTHERN REGION	0.000013	0.000015	1.836125	0.198750	0.000002	0.25225
WESTERN REGION	0.000012	0.000014	1.692500	0.228375	0.000002	0.28325
HISPANICS	0.000013	0.000016	1.938750	0.295500	0.000003	0.35750
NON-HISPANIC WHITES	0.000012	0.000014	1.748875	0.187625	0.000002	0.24075
NON-HISPANIC BLACKS	0.000012	0.000014	1.767250	0.210250	0.000002	0.25725
NON-HISPANIC OTHERS	0.000010	0.000012	1.512875	0.267500	0.000003	0.31563
NURSING INFANTS (< 1 YEAR OLD)	0.000004	0.000006	0.807625	0.366250	0.000003	0.38338
NON-NURSING INFANTS (< 1 YEAR OLD)	0.000014	0.000018	2.261250	0.549000	0.000005	0.60600
FEMALES (13+ YEARS, PREGNANT)	0.000009	0.000010	1.235375	0.124125	0.000001	0.16525
FEMALES (13+ YEARS, NURSING CHILDREN (1-6 YEARS OLD))	0.000010	0.000011	1.381500	0.161750	0.000002	0.20825
CHILDREN (7-12 YEARS OLD)	0.000024	0.000028	3.519875	0.505750	0.000005	0.60363
MALES (13-19 YEARS OLD)	0.000018	0.000021	2.569125	0.262750	0.000003	0.33888
FEMALES (13-19 YEARS OLD)	0.000013	0.000015	1.856125	0.173625	0.000002	0.22863
MALES (20 YEARS AND OLDER)	0.000011	0.000012	1.545000	0.144750	0.000002	0.19100
FEMALES (20 YEARS AND OLDER)	0.000011	0.000012	1.474125	0.150875	0.000002	0.19438
FEMALES (20 YEARS AND OLDER, NOT PREG. OR NURS)	0.000009	0.000010	1.310500	0.139500	0.000001	0.18075

\*Current TMRC does not include new or pending tolerances.

\*\*New TMRC includes new, pending, and published tolerances.

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TOLERANCE ASSESSMENT SUMMARY FOR HCB from PCNB (3/9/93 run)  
 USING ANTICIPATED RESIDUES  
 CASWELL #99HCB

DATE: 03/09/93

ANALYSIS FOR POPULATION SUB-GROUP: U.S. POPULATION - 48 STATES

EXISTING ANTICIPATED RESIDUES (PUBLISHED ONLY)		
RESULT IN AN ARC OF:	0.000000	MG/KG/DAY
THE EXISTING ARC IS EQUIVALENT TO:	0.053	% OF THE ADI.
PROPOSED NEW ANTICIPATED RESIDUES (CURRENT PETITION ONLY)		
RESULT IN AN ARC OF:	0.000001	MG/KG/DAY
THESE NEW ANTICIPATED RESIDUES WILL OCCUPY:	0.126	% OF THE ADI.
IF THE NEW ANTICIPATED RESIDUES (CURRENT PETITION ONLY)		
ARE APPROVED THE RESULTANT ARC WILL BE:	0.000001	MG/KG/DAY
THE NEW ARC WILL OCCUPY	0.179	% OF THE ADI.
OTHER PENDING ANTICIPATED RESIDUES EXCLUDING THE		
CURRENT NEW PETITION HAVE AN ARC OF:	0.000001	MG/KG/DAY
THIS ARC WILL OCCUPY	0.072	% OF THE ADI.
IF ALL PENDING ANTICIPATED RESIDUES (INCLUDING THE		
CURRENT NEW PETITION) ARE GRANTED		
THE RESULTANT ARC WILL BE:	0.000002	MG/KG/DAY
THE TOTAL ARC WILL OCCUPY	0.251	% OF THE ADI.

ANALYSIS FOR POPULATION SUB-GROUP: NON-NURSING INFANTS (< 1 YEAR OLD)

EXISTING ANTICIPATED RESIDUES (PUBLISHED ONLY)		
RESULT IN AN ARC OF:	0.000000	MG/KG/DAY
THE EXISTING ARC IS EQUIVALENT TO:	0.057	% OF THE ADI.
PROPOSED NEW ANTICIPATED RESIDUES (CURRENT PETITION ONLY)		
RESULT IN AN ARC OF:	0.000002	MG/KG/DAY
THESE NEW ANTICIPATED RESIDUES WILL OCCUPY:	0.210	% OF THE ADI.
IF THE NEW ANTICIPATED RESIDUES (CURRENT PETITION ONLY)		
ARE APPROVED THE RESULTANT ARC WILL BE:	0.000002	MG/KG/DAY
THE NEW ARC WILL OCCUPY	0.267	% OF THE ADI.
OTHER PENDING ANTICIPATED RESIDUES EXCLUDING THE		
CURRENT NEW PETITION HAVE AN ARC OF:	0.000003	MG/KG/DAY
THIS ARC WILL OCCUPY	0.339	% OF THE ADI.
IF ALL PENDING ANTICIPATED RESIDUES (INCLUDING THE		
CURRENT NEW PETITION) ARE GRANTED		
THE RESULTANT ARC WILL BE:	0.000005	MG/KG/DAY
THE TOTAL ARC WILL OCCUPY	0.606	% OF THE ADI.

ANALYSIS FOR POPULATION SUB-GROUP: CHILDREN (1-6 YEARS OLD)

EXISTING ANTICIPATED RESIDUES (PUBLISHED ONLY)		
RESULT IN AN ARC OF:	0.000001	MG/KG/DAY
THE EXISTING ARC IS EQUIVALENT TO:	0.098	% OF THE ADI.
PROPOSED NEW ANTICIPATED RESIDUES (CURRENT PETITION ONLY)		
RESULT IN AN ARC OF:	0.000002	MG/KG/DAY
THESE NEW ANTICIPATED RESIDUES WILL OCCUPY:	0.277	% OF THE ADI.
IF THE NEW ANTICIPATED RESIDUES (CURRENT PETITION ONLY)		
ARE APPROVED THE RESULTANT ARC WILL BE:	0.000003	MG/KG/DAY
THE NEW ARC WILL OCCUPY	0.375	% OF THE ADI.
OTHER PENDING ANTICIPATED RESIDUES EXCLUDING THE		
CURRENT NEW PETITION HAVE AN ARC OF:	0.000002	MG/KG/DAY
THIS ARC WILL OCCUPY	0.229	% OF THE ADI.
IF ALL PENDING ANTICIPATED RESIDUES (INCLUDING THE		
CURRENT NEW PETITION) ARE GRANTED		
THE RESULTANT ARC WILL BE:	0.000005	MG/KG/DAY
THE TOTAL ARC WILL OCCUPY	0.604	% OF THE ADI.

TABLE 3A

TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS

DATE: 03/09/93

PAGE: 1

CHEMICAL INFORMATION		STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
HCB from PCNB (3/9/93 run) Caswell #99HCB		130 wk feeding- rat NOEL= 0.0800 mg/kg 0.00 ppm	hepatic centrilobular basophilic chromogenesis	PLD UF -->100 OPP RfD= 0.000800 EPA RfD= 0.000800	Chronic feeding-2 sp. Reproductin-rat Developmental-3 sp.	HED complete 05/05/88 EPA verified 05/26/88
CAS No. A.I. CODE: CFR No. 180.		LEL= 0.0000 mg/kg 0.00 ppm ONCO: Group B2		q*: 1.70000	Note: studies listed on RfD cover sheet have not been Tox reviewed	

COMMODITY CONTRIBUTION BY RAC FOR: U.S. POPULATION - 48 STATES

FOOD CODE	FOODNAME/FOODFORM	TOLERANCE (PPM)	EFFECTS		TMRC	ONCO RISK	%RFD	TMRC	ONCO RISK	%RFD	ARC (UG/KG/DAY)	ARC	ONCO RISK				
			TYPE	TMRC (UG/KG/DAY)													
06002AA	BANANAS-UNSPECIFIED 22 COOKED-FRESH-BAKED	0.002	A	0.000008	0.001	0.00000001360	0.001	0.00000001360	0.001	0.000008	0.00000001360	0.00000001360					
06002AB	BANANAS-FRESH 10 RAW-FRESH OR NFS 21 COOKED-NFS 31 COOKED-FRESH OR CANNED	0.002	A	0.000560	0.070	0.000000095200	0.070	0.000000095200	0.062	0.000494	0.00000083980	0.00000083980					
06002DA	BANANAS-DRIED 10 RAW-FRESH OR NFS 21 COOKED-NFS	0.002	A	0.000004	0.001	0.00000000680	0.001	0.00000000680	0.002	0.000013	0.00000002210	0.00000002210					
06016AA	PLANTAINS 21 COOKED-NFS	0.002	A	0.000004	0.001	0.00000000680	0.001	0.00000000680	0.007	0.000052	0.00000008840	0.00000008840					
270030A	COTTONSEED-OIL 18 PROCESSED OIL	0.100	P	0.000051	0.006	0.00000008670	0.006	0.00000008670	0.000	0.000001	0.00000000170	0.00000000170					
27003WA	COTTONSEED-MEAL 18 PROCESSED OIL	0.100	P	0.000000	0.000	0.00000000000	0.000	0.00000000000	0.000	0.000003	0.00000000510	0.00000000510					
CROP GROUP TOTALS FOR UNSPECIFIED:																	
14013AA	POTATOES(WHITE)-WHOLE 10 RAW-FRESH OR NFS 21 COOKED-NFS	0.007	P	0.002380	0.298	0.000000404600	0.298	0.000000404600	0.00007	0.000003	0.0000000510	0.0000000510					
14013AB	POTATOES(WHITE)-UNSPECIFIED 22 COOKED-FRESH-BAKED	0.007	P	0.000001	0.000	0.00000000170	0.000	0.00000000170	0.00007	0.000010	0.0000001700	0.0000001700					
14013AC	POTATOES(WHITE)-PEELED 21 COOKED-NFS	0.007	P	0.005490	0.686	0.00000033300	0.686	0.00000033300	0.00007	0.000000	0.0000000000	0.0000000000					
14013DA	POTATOES(WHITE)-DRY 22 COOKED-FRESH-BAKED 23 COOKED-FRESH-BOILED 25 COOKED-FRESH-FRIED	0.007	P	0.000009	0.001	0.00000001530	0.001	0.00000001530	0.00007	0.000005	0.0000000850	0.0000000850					
14013HA	POTATOES(WHITE)-PEEL ONLY 22 COOKED-FRESH-BAKED	0.007	P	0.000000	0.000	0.00000000000	0.000	0.00000000000	0.00007	0.000000	0.0000000000	0.0000000000					
CROP GROUP TOTALS FOR ROOT AND TUBER VEGETABLES:																	
												0.007880	0.985	0.00001339600	0.000078	0.010	0.00000013260

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CHEMICAL INFORMATION		STUDY TYPE		EFFECTS		REFERENCE DOSES		DATA GAPS/COMMENTS		STATUS	
HCB from PCNB (3/9/93 run) Caswell #99HCB		130 wk feeding- rat NOEL= 0.0800 mg/kg 0.00 ppm		hepatic centrilobular basophilic chromogenesis		PLD UF -->100 OPP Rfd= 0.000800 EPA Rfd= 0.000800		Chronic feeding-2 sp. Reproductin-rat Developmental-3 sp. Note: studies listed on Rfd cover sheet have not been Tox reviewed		HED complete 05/05/88 EPA verified 05/26/88	
A.I. CODE: CFR No. 180.		LEL= 0.0000 mg/kg 0.00 ppm ONCO: Group B2				q*: 1.70000					

COMMODITY CONTRIBUTION BY RAC FOR: U.S. POPULATION - 48 STATES

FOOD CODE	FOODNAME/FOODFORM	TOLERANCE (PPM)	EFFECTS TYPE	TMRC (UG/KG/DAY)	%RFD	TMRC ONCO RISK	ANTICIPATED			
							RESIDUE (PPM)	ARC (UG/KG/DAY)	%RFD	ARC ONCO RISK
14007AA	GARLIC	0.007	P	0.000005	0.001	0.000000000850	0.00070	0.000000	0.000	0.000000000000
	10 RAW-FRESH OR NFS						0.00070	0.000000	0.000	0.000000000000
	21 COOKED-NFS						0.00070	0.000000	0.000	0.000000000000
	32 COOKED-FRESH OR CANNED-BAKED						0.00070	0.000000	0.000	0.000000000000
CROP GROUP TOTALS FOR BULB VEGETABLES:										
				0.000005	0.001	0.000000000850	0.000000	0.000000	0.000	0.000000000000
13005AA	BROCCOLI	0.001	P	0.000049	0.006	0.000000008330	0.00002	0.000000	0.000	0.000000000000
	21 COOKED-NFS						0.00002	0.000001	0.000	0.00000000170
	31 COOKED-FRESH OR CANNED						0.00002	0.000000	0.000	0.000000000000
	63 COOKED-FRESH OR FROZEN-BOILED						0.00002	0.000000	0.000	0.000000000000
13006AA	BRUSSEL SPROUTS	0.001	P	0.000007	0.001	0.00000001190	0.00002	0.000000	0.000	0.000000000000
	21 COOKED-NFS						0.00002	0.000000	0.000	0.000000000000
	23 COOKED-FRESH-BOILED						0.00002	0.000000	0.000	0.000000000000
13007AA	CABBAGE-GREEN AND RED	0.001	P	0.000094	0.012	0.00000015980	0.00002	0.000001	0.000	0.00000000170
	10 RAW-FRESH OR NFS						0.00002	0.000000	0.000	0.000000000000
	11 RAW-FRESH-PICKLED, CORNED, OR CURED						0.00002	0.000001	0.000	0.00000000170
	21 COOKED-NFS						0.00002	0.000000	0.000	0.000000000000
13008AA	CAULIFLOWER	0.001	P	0.000016	0.002	0.00000002720	0.00002	0.000000	0.000	0.000000000000
	10 RAW-FRESH OR NFS						0.00002	0.000000	0.000	0.000000000000
	21 COOKED-NFS						0.00002	0.000000	0.000	0.000000000000
13009AA	COLLARDS	0.005	P	0.000094	0.012	0.00000015980	0.00010	0.000000	0.000	0.000000000000
	51 COOKED-CANNED						0.00010	0.000002	0.000	0.00000000340
	63 COOKED-FRESH OR FROZEN-BOILED						0.00002	0.000000	0.000	0.000000000000
13010AA	CABBAGE-CHINESE/CELERY, INC. BOK CHOY	0.001	P	0.000005	0.001	0.00000000850	0.00002	0.000000	0.000	0.000000000000
	10 RAW-FRESH OR NFS						0.00002	0.000000	0.000	0.000000000000
	21 COOKED-NFS						0.00010	0.000000	0.000	0.000000000000
13011AA	KALE	0.005	P	0.000008	0.001	0.00000001360	0.00010	0.000000	0.000	0.000000000000
	63 COOKED-FRESH OR FROZEN-BOILED						0.00010	0.000000	0.000	0.000000000000
13021AA	MUSTARD GREENS	0.005	P	0.000073	0.009	0.00000012410	0.00010	0.000000	0.000	0.000000000000
	21 COOKED-NFS						0.00010	0.000001	0.000	0.00000000170
	63 COOKED-FRESH OR FROZEN-BOILED						0.00010	0.000000	0.000	0.000000000000
CROP GROUP TOTALS FOR BRASSICA (COLE) LEAFY VEGETABLES:										
				0.000346	0.043	0.00000058820	0.00006	0.000006	0.001	0.00000001020

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TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS

CHEMICAL INFORMATION		STUDY TYPE		EFFECTS		REFERENCE DOSES		DATA GAPS/COMMENTS		STATUS	
HCB from PCB# (3/9/93 run)		130 wk feeding- rat		hepatic centrilobular		PLD UF -->100		Chronic feeding-2 sp.		HED complete 05/05/88	
Caswell #99HCB		NOEL= 0.0800 mg/kg		basophilic chromogenesis		OPP RfD= 0.000800		Reproductin-rat		EPA verified 05/26/88	
CAS No.		0.00 ppm				EPA RfD= 0.000800		Developmental-3 sp.			
A.I. CODE:		LEL= 0.0000 mg/kg						Note: studies listed on			
CFR No. 180.		0.00 ppm						RfD cover sheet have not			
		ONCO: Group B2				Q*: 1.70000		been Tox reviewed			

COMMODITY CONTRIBUTION BY RAC FOR: U.S. POPULATION - 48 STATES

FOOD CODE	FOODNAME/FOODFORM	TOLERANCE (PPM)	EFFECTS TYPE	TMRC (UG/KG/DAY)	%RFD	TMRC ONCO RISK	ANTICIPATED RESIDUE (PPM)	ARC (UG/KG/DAY)	%RFD	ARC ONCO RISK
15001AA	BEANS-DRY-GREAT NORTHERN 00 NOT SPECIFIED (NO CONSUMPTION)	0.002	P	0.000000	0.000	0.000000000000	0.00013	0.000000	0.000	0.000000000000
15001AB	BEANS-DRY-KIDNEY 21 COOKED-NFS 31 COOKED-FRESH OR CANNED	0.002	P	0.000034	0.004	0.00000005780	0.00013	0.000001	0.000	0.00000000170
15001AC	BEANS-DRY-LIMA 21 COOKED-NFS	0.002	P	0.000020	0.003	0.00000003400	0.00013	0.000001	0.000	0.00000000170
15001AD	BEANS-DRY-NAVY (PEA) 21 COOKED-NFS 31 COOKED-FRESH OR CANNED	0.002	P	0.000094	0.012	0.00000015980	0.00013	0.000004	0.001	0.00000000680
15001AE	BEANS-DRY-OTHER 21 COOKED-NFS 25 COOKED-FRESH-FRIED 31 COOKED-FRESH OR CANNED	0.002	P	0.000100	0.013	0.00000017000	0.00013	0.000002	0.000	0.00000000340
15001AF	BEANS-DRY-PINTO 21 COOKED-NFS	0.002	P	0.000091	0.011	0.00000015470	0.00013	0.000001	0.000	0.00000000170
15002AA	BEANS-SUCCULENT-LIMA 10 RAW-FRESH OR NFS 21 COOKED-NFS	0.003	P	0.000077	0.010	0.00000013090	0.00015	0.000000	0.000	0.00000000000
15003AA	BEANS-SUCCULENT-GREEN 21 COOKED-NFS	0.004	P	0.000800	0.100	0.00000136000	0.00015	0.000004	0.001	0.00000000680
15003AB	BEANS-SUCCULENT-OTHER 10 RAW-FRESH OR NFS 21 COOKED-NFS	0.004	P	0.000106	0.013	0.00000018020	0.00020	0.000040	0.005	0.00000006800
15003AC	BEANS-SUCCULENT-YELLOW,WAX 21 COOKED-NFS	0.004	P	0.000022	0.003	0.00000003740	0.00020	0.000001	0.000	0.00000000170
15006AA	PEANUTS-WHOLE +S 10 RAW-FRESH OR NFS 21 COOKED-NFS 22 COOKED-FRESH-BAKED	0.004	P	0.000327	0.041	0.00000055590	0.00024	0.000000	0.000	0.00000000000
15013AA	MUNG BEANS (SPROUTS) 10 RAW-FRESH OR NFS 21 COOKED-NFS	0.002	P	0.000017	0.002	0.00000002890	0.00024	0.000015	0.002	0.00000002550
15022AA	BEANS-DRY-BROADBEANS(MATURE SEED) 00 NOT SPECIFIED (NO CONSUMPTION)	0.002	P	0.000000	0.000	0.000000000000	0.00013	0.000001	0.000	0.00000000170
15022AB	BEANS-SUCCULENT-BROADBEANS(IMMAT. SEED) 00 NOT SPECIFIED (NO CONSUMPTION)	0.004	P	0.000000	0.000	0.000000000000	0.00013	0.000001	0.000	0.00000000000
15023AA	BEANS-DRY-PIGEON BEANS 21 COOKED-NFS	0.002	P	0.000000	0.000	0.000000000000	0.00020	0.000000	0.000	0.00000000000
15027AA	BEANS-UNSPECIFIED 21 COOKED-NFS	0.004	P	0.000021	0.003	0.00000003570	0.00013	0.000000	0.000	0.00000000000

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CHEMICAL INFORMATION		STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
HCB from PCNB (3/9/93 run) Caswell #99HCB CAS No. A.I. CODE: CFR No. 180.		130 wk feeding- rat NOEL= 0.0800 mg/kg 0.00 ppm LEL= 0.0000 mg/kg 0.00 ppm ONCO: Group B2	hepatic centrilobular basophilic chromogenesis	PLD UF -->100 OPP RfD= 0.000800 EPA RfD= 0.000800 Q*: 1.70000	Chronic feeding-2 sp. Reproductin-rat Developmental-3 sp. Note: studies listed on RfD cover sheet have not been Tox reviewed	HED complete 05/05/88 EPA verified 05/26/88

COMMODITY CONTRIBUTION BY RAC FOR: U.S. POPULATION - 48 STATES

FOOD CODE	FOODNAME/FOODFORM	TOLERANCE (PPM)	EFFECTS TYPE	TMRC (UG/KG/DAY)	%RFD	TMRC ONCO RISK	ANTICIPATED			
							RESIDUE (PPM)	ARC (UG/KG/DAY)	%RFD	ARC ONCO RISK
15030AA	BEANS-DRY-HYACINTH(MATURE SEEDS) 00 NOT SPECIFIED (NO CONSUMPTION)	0.002	P	0.000000	0.000	0.000000000000	0.00013	0.000000	0.000	0.000000000000
15030AB	BEANS-SUCCULENT-HYACINTH(YOUNG PODS) 00 NOT SPECIFIED (NO CONSUMPTION)	0.004	P	0.000000	0.000	0.000000000000	0.00020	0.000000	0.000	0.000000000000
15031AA	BEANS-DRY-BLACKEYE PEAS(COMPEAS) 21 COOKED-NFS	0.002	P	0.000006	0.001	0.00000001020	0.00013	0.000000	0.000	0.000000000000
15032AA	BEANS-DRY-GARBANZO(CHICK PEA) 21 COOKED-NFS	0.002	P	0.000001	0.000	0.00000000170	0.00013	0.000000	0.000	0.000000000000
270070A	PEANUTS-OIL 18 PROCESSED OIL	0.004	P	0.000025	0.003	0.00000004250	0.00013	0.000000	0.000	0.000000000000
							0.00024	0.000001	0.000	0.00000000170
CROP GROUP TOTALS FOR LEGUME VEGETABLES:							0.001741	0.0000295970	0.218	0.00000014620

11003AA	PEPPERS, SWEET, GARDEN 10 RAW-FRESH OR NFS	0.002	P	0.000054	0.007	0.00000009180	0.00025	0.000002	0.000	0.00000000340
	21 COOKED-NFS						0.00025	0.000004	0.001	0.00000000680
11003AB	CHILI PEPPERS 00 NOT SPECIFIED (NO CONSUMPTION)	0.002	P	0.000010	0.001	0.00000001700	0.00025	0.000001	0.000	0.00000000170
11003AD	PEPPERS-OTHER 10 RAW-FRESH OR NFS	0.002	P	0.000011	0.001	0.00000001870	0.00025	0.000000	0.000	0.000000000000
	21 COOKED-NFS						0.00025	0.000001	0.000	0.00000000170
	51 COOKED-CANNED						0.00025	0.000000	0.000	0.000000000000
11004AA	PIMIENTOS 10 RAW-FRESH OR NFS	0.002	P	0.000005	0.001	0.00000000850	0.00025	0.000000	0.000	0.000000000000
	21 COOKED-NFS						0.00025	0.000000	0.000	0.000000000000
	31 COOKED-FRESH OR CANNED						0.00025	0.000000	0.000	0.000000000000
11005AA	TOMATOES-WHOLE 10 RAW-FRESH OR NFS	0.003	P	0.001476	0.185	0.00000250920	0.00030	0.000075	0.009	0.00000012750
	21 COOKED-NFS						0.00030	0.000058	0.007	0.00000009860
	31 COOKED-FRESH OR CANNED						0.00030	0.000014	0.002	0.00000002380
11005JA	TOMATOES-JUICE 10 RAW-FRESH OR NFS	0.003	P	0.000165	0.021	0.00000028050	0.00030	0.000001	0.000	0.00000000170
	21 COOKED-NFS						0.00030	0.000016	0.002	0.00000002720
11005RA	TOMATOES-PUREE 10 RAW-FRESH OR NFS	0.003	P	0.000511	0.064	0.00000086870	0.00030	0.000000	0.000	0.000000000000
	21 COOKED-NFS						0.00030	0.000029	0.004	0.00000004930
	31 COOKED-FRESH OR CANNED						0.00030	0.000005	0.001	0.00000000850
	32 COOKED-FRESH OR CANNED-BAKED						0.00030	0.000007	0.001	0.00000001190
	51 COOKED-CANNED						0.00030	0.000011	0.001	0.00000001870
11005TA	TOMATOES-PASTE 21 COOKED-NFS	0.003	P	0.000118	0.015	0.00000020060	0.00030	0.000008	0.001	0.00000001360

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TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS

CHEMICAL INFORMATION		STUDY TYPE		EFFECTS		REFERENCE DOSES		DATA GAPS/COMMENTS		STATUS	
HCB from PCNB (3/9/93 run) Caswell #99HCB CAS No. A.I. CODE: CFR No. 180.		130 wk feeding- rat NOEL= 0.0800 mg/kg 0.00 ppm LEL= 0.0000 mg/kg 0.00 ppm ONCO: Group B2		hepatic centrilobular basophilic chromogenesis		PLD UF -->100 OPP RfD= 0.000800 EPA RfD= 0.000800 q*: 1.70000		Chronic feeding-2 sp. Reproductin-rat Developmental-3 sp. Note: studies listed on Rfd cover sheet have not been Tox reviewed		HED complete 05/05/88 EPA verified 05/26/88	

COMMODITY CONTRIBUTION BY RAC FOR: U.S. POPULATION - 48 STATES

FOOD CODE	FOODNAME/FOODFORM	TOLERANCE (PPM)	EFFECTS TYPE	TMRC (UG/KG/DAY)	%RFD	TMRC ONCO RISK	ANTICIPATED			
							RESIDUE (PPM)	ARC (UG/KG/DAY)	%RFD	ARC ONCO RISK
11005UA	22 COOKED-FRESH-BAKED 31 COOKED-FRESH OR CANNED TOMATOES TOMATOES-CATSUP 21 COOKED-NFS 4099 E-7	0.003	P	0.000126	0.016	0.00000021420	0.00030	0.000002	0.000	0.0000000340
CROP GROUP TOTALS FOR FRUITING VEGETABLES (EXCL. CUCURBITS):										
08048DA	PAPRIKA 00 NOT SPECIFIED (NO CONSUMPTION)	0.002	P	0.000006	0.001	0.0000001020	0.00025	0.000001	0.000	0.0000000170
CROP GROUP TOTALS FOR HERBS AND SPICES:										
53001BA	BEEF-MEAT BYPRODUCTS 21 COOKED-NFS	0.000	N	0.000002	0.000	0.00000000340	0.00014	0.000002	0.000	0.0000000340
53001BB	BEEF(Organ Meats)-OTHER 26 COOKED-FRESH-PICKLED, CORNED, OR CURED 21 COOKED-NFS 51 COOKED-CANNED	0.000	N	0.000000	0.000	0.00000000000	0.00001	0.000000	0.000	0.00000000000
53001DA	BEEF-DRIED 21 COOKED-NFS	0.000	N	0.000000	0.000	0.00000000000	0.00001	0.000000	0.000	0.00000000000
53001FA	BEEF(BONELESS)-FAT (BEEF TALLOW) 10 RAW-FRESH OR NFS 21 COOKED-NFS	0.000	N	0.000052	0.007	0.00000008840	0.00014	0.000000	0.000	0.00000000000
53001KA	BEEF(Organ Meats)-KIDNEY 21 COOKED-NFS	0.000	N	0.000000	0.000	0.00000000000	0.00014	0.000000	0.000	0.00000000000
53001LA	BEEF(Organ Meats)-LIVER 25 COOKED-FRESH-FRIED 31 COOKED-FRESH OR CANNED	0.000	N	0.000000	0.000	0.00000000000	0.00014	0.000021	0.003	0.0000003570
53001MA	BEEF(BONELESS)-LEAN (W/O REMOVABLE FAT) 10 RAW-FRESH OR NFS 21 COOKED-NFS	0.000	N	0.000012	0.002	0.00000002040	0.00014	0.000000	0.000	0.00000000000
53002BA	GOAT-MEAT BYPRODUCTS 00 NOT SPECIFIED (NO CONSUMPTION)	0.000	N	0.000000	0.000	0.00000000000	0.00001	0.000000	0.000	0.00000000000
53002BB	GOAT(Organ Meats)-OTHER 00 NOT SPECIFIED (NO CONSUMPTION)	0.000	N	0.000000	0.000	0.00000000000	0.00001	0.000000	0.000	0.00000000000

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TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS

CHEMICAL INFORMATION		STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
HCB from PCB (3/9/93 run) Caswell #99HCB		130 wk feeding- rat NOEL= 0.0800 mg/kg 0.00 ppm	hepatic centrilobular basophilic chromogenesis	PLD UF -->100 OPP RfD= 0.000800 EPA RfD= 0.000800	Chronic feeding-2 sp. Reproductin-rat Developmental-3 sp. Note: studies listed on Rfd cover sheet have not been Tox reviewed	HED complete 05/05/88 EPA verified 05/26/88
CAS No. A.I. CODE: CFR No. 180.		LEL= 0.0000 mg/kg 0.00 ppm ONCO: Group B2		Q*: 1.70000		

COMMODITY CONTRIBUTION BY RAC FOR: U.S. POPULATION - 48 STATES

FOOD CODE	FOODNAME/FOODFORM	TOLERANCE (PPM)	EFFECTS TYPE	TMRC (UG/KG/DAY)	TMRC ONCO RISK	ANTICIPATED RESIDUE (PPM)	ARC (UG/KG/DAY)	%RFD	ARC	ONCO RISK
53002FA	GOAT(BONELESS)-FAT 23 COOKED-FRESH-BOILED 25 COOKED-FRESH-FRIED	0.000	N	0.000000	0.000 0.000000000000	0.00014 0.00014	0.000000 0.000000	0.000 0.000	0.000000000000 0.000000000000	0.000000000000 0.000000000000
53002KA	GOAT(ORGAN MEATS)-KIDNEY 00 NOT SPECIFIED (NO CONSUMPTION)	0.000	N	0.000000	0.000 0.000000000000	0.00001 0.00001	0.000000 0.000000	0.000 0.000	0.000000000000 0.000000000000	0.000000000000 0.000000000000
53002LA	GOAT(ORGAN MEATS)-LIVER 00 NOT SPECIFIED (NO CONSUMPTION)	0.000	N	0.000000	0.000 0.000000000000	0.00001 0.00001	0.000000 0.000000	0.000 0.000	0.000000000000 0.000000000000	0.000000000000 0.000000000000
53002MA	GOAT(BONELESS)-LEAN (W/O REMOVEABLE FAT) 23 COOKED-FRESH-BOILED 25 COOKED-FRESH-FRIED	0.000	N	0.000000	0.000 0.000000000000	0.00014 0.00014	0.000000 0.000000	0.000 0.000	0.000000000000 0.000000000000	0.000000000000 0.000000000000
53003AA	HORSE 00 NOT SPECIFIED (NO CONSUMPTION)	0.000	N	0.000000	0.000 0.000000000000	0.00001 0.00001	0.000000 0.000000	0.000 0.000	0.000000000000 0.000000000000	0.000000000000 0.000000000000
53005BA	SHEEP-MEAT BYPRODUCTS 21 COOKED-NFS	0.000	N	0.000000	0.000 0.000000000000	0.00001 0.00001	0.000000 0.000000	0.000 0.000	0.000000000000 0.000000000000	0.000000000000 0.000000000000
53005BB	SHEEP(ORGAN MEATS)-OTHER 21 COOKED-NFS	0.000	N	0.000000	0.000 0.000000000000	0.00001 0.00001	0.000000 0.000000	0.000 0.000	0.000000000000 0.000000000000	0.000000000000 0.000000000000
53005FA	SHEEP(BONELESS)-FAT 21 COOKED-NFS	0.000	N	0.000000	0.000 0.000000000000	0.00001 0.00001	0.000000 0.000000	0.000 0.000	0.000000000000 0.000000000000	0.000000000000 0.000000000000
53005KA	SHEEP(ORGAN MEATS)-KIDNEY 21 COOKED-NFS	0.000	N	0.000000	0.000 0.000000000000	0.00001 0.00001	0.000000 0.000000	0.000 0.000	0.000000000000 0.000000000000	0.000000000000 0.000000000000
53005LA	SHEEP(ORGAN MEATS)-LIVER 00 NOT SPECIFIED (NO CONSUMPTION)	0.000	N	0.000000	0.000 0.000000000000	0.00001 0.00001	0.000000 0.000000	0.000 0.000	0.000000000000 0.000000000000	0.000000000000 0.000000000000
53005MA	SHEEP(BONELESS)-LEAN (W/O REMOVEABLE FAT) 21 COOKED-NFS 31 COOKED-FRESH OR CANNED	0.000	N	0.000000	0.000 0.000000000000	0.00014 0.00014	0.000000 0.000004	0.000 0.001	0.000000000000 0.000000000000	0.000000000000 0.000000000000
53006BA	PORK-MEAT BYPRODUCTS 21 COOKED-NFS	0.000	N	0.000000	0.000 0.000000000000	0.00001 0.00001	0.000000 0.000000	0.000 0.000	0.000000000000 0.000000000000	0.000000000000 0.000000000000
53006BB	PORK(ORGAN MEATS)-OTHER 21 COOKED-NFS	0.000	N	0.000000	0.000 0.000000000000	0.00001 0.00001	0.000000 0.000000	0.000 0.000	0.000000000000 0.000000000000	0.000000000000 0.000000000000
53006FA	PORK(BONELESS)-FAT (INCLUDING LARD) 10 RAW-FRESH OR NFS 21 COOKED-NFS	0.000	N	0.000029	0.004 0.000000004930	0.00014 0.00014	0.000000 0.000014	0.001 0.002	0.000000000000 0.000000002380	0.000000000000 0.00000000510
53006KA	PORK(ORGAN MEATS)-KIDNEY 21 COOKED-NFS	0.000	N	0.000000	0.000 0.000000000000	0.00001 0.00001	0.000000 0.000000	0.000 0.001	0.000000000000 0.000000001530	0.000000000000 0.000000000000
53006LA	PORK(ORGAN MEATS)-LIVER 21 COOKED-NFS 25 COOKED-FRESH-FRIED	0.000	N	0.000000	0.000 0.000000000000	0.00001 0.00001	0.000000 0.000000	0.000 0.000	0.000000000000 0.000000000000	0.000000000000 0.000000000000

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CHEMICAL INFORMATION		STUDY TYPE		EFFECTS		REFERENCE DOSES		DATA GAPS/COMMENTS		STATUS	
HCB from PCNB (3/9/93 run) Caswell #99HCB CAS No. A.I. CODE: CFR No. 180.		130 wk feeding- rat NOEL= 0.0800 mg/kg 0.00 ppm LEL= 0.0000 mg/kg 0.00 ppm ONCO: Group B2		hepatic centrilobular basophilic chromogenesis		PLD UF -->100 OPP RfD= 0.000800 EPA RfD= 0.000800 Q*: 1.70000		Chronic feeding-2 sp. Reproductin-rat Developmental-3 sp. Note: studies listed on Rfd cover sheet have not been Tox reviewed		HED complete 05/05/88 EPA verified 05/26/88	

COMMODITY CONTRIBUTION BY RAC FOR: U.S. POPULATION - 48 STATES

FOOD CODE	FOODNAME/FOODFORM	TOLERANCE (PPM)	EFFECTS TYPE	TMRC (UG/KG/DAY)	TMRC ONCO RISK	ANTICIPATED			ARC ONCO RISK	
						RESIDUE (PPM)	ARC (UG/KG/DAY)	%RFD		
53006MA	PORK(BONELESS)-LEAN (W/O REMOVEABLE FAT) 21 COOKED-NFS 25 COOKED-FRESH-FRIED 26 COOKED-FRESH-PICKLED,CORNEDED,OR CURED	0.000	N	0.000004	0.001 0.00000000680	0.00001 0.000002	0.000 0.0000000340	0.00001 0.00000000000	0.00000000000	
CROP GROUP TOTALS FOR RED MEAT:										
		0.000104		0.00000017680	0.013 0.00000017680	0.000103	0.00000017510	0.000103	0.00000017510	
55008BA	TURKEY-BYPRODUCTS 21 COOKED-NFS 26 COOKED-FRESH-PICKLED,CORNEDED,OR CURED	0.000	N	0.000000	0.000 0.00000000000	0.00090 0.000000	0.00000000000	0.00090 0.000000	0.00000000000	
55008LA	TURKEY-GIBLETS (LIVER) 21 COOKED-NFS 25 COOKED-FRESH-FRIED	0.000	N	0.000000	0.000 0.00000000000	0.00020 0.000000	0.00000000000	0.00020 0.000000	0.00000000000	
55008MA	TURKEY-FLESH(W/O SKIN, W/O BONES) 21 COOKED-NFS 31 COOKED-FRESH OR CANNED 62 COOKED-FRESH OR FROZEN-BAKED	0.000	N	0.000000	0.000 0.00000000000	0.00001 0.000000	0.00000000000	0.00001 0.000000	0.00000000000	
55008MB	TURKEY-FLESH(+SKIN,W/O BONES) 21 COOKED-NFS 25 COOKED-FRESH-FRIED	0.000	N	0.000043	0.005 0.00000007310	0.00090 0.000041	0.00000006970	0.00090 0.000003	0.00000000510	
55008MC	TURKEY-UNSPECIFIED 21 COOKED-NFS	0.000	N	0.000000	0.000 0.00000000000	0.00090 0.000000	0.00000000000	0.00090 0.000000	0.00000000000	
55013BA	POULTRY,OTHER-BYPRODUCTS 00 NOT SPECIFIED (NO CONSUMPTION)	0.000	N	0.000000	0.000 0.00000000000	0.00090 0.000000	0.00000000000	0.00090 0.000000	0.00000000000	
55013LA	POULTRY,OTHER-GIBLETS(LIVER) 25 COOKED-FRESH-FRIED	0.000	N	0.000000	0.000 0.00000000000	0.00020 0.000000	0.00000000000	0.00020 0.000000	0.00000000000	
55013MA	POULTRY,OTHER-FLESH (+SKIN,W/O BONES) 21 COOKED-NFS	0.000	N	0.000005	0.001 0.00000000850	0.00090 0.000005	0.00000000850	0.00090 0.000005	0.00000000850	
55015BA	CHICKEN-BYPRODUCTS 00 NOT SPECIFIED (NO CONSUMPTION)	0.000	N	0.000000	0.000 0.00000000000	0.00090 0.000000	0.00000000000	0.00090 0.000000	0.00000000000	
55015LA	CHICKEN-GIBLETS(LIVER) 21 COOKED-NFS 25 COOKED-FRESH-FRIED	0.000	N	0.000001	0.000 0.00000000170	0.00020 0.000000	0.00000000000	0.00020 0.000001	0.00000000170	
55015MA	CHICKEN-FLESH(W/O SKIN,W/O BONES) 21 COOKED-NFS 22 COOKED-FRESH-BAKED 25 COOKED-FRESH-FRIED 31 COOKED-FRESH OR CANNED 53 COOKED-CANNED-BOILED	0.000	N	0.000001	0.000 0.00000000170	0.00020 0.000000	0.00000000000	0.00020 0.000000	0.00000000000	
55015MB	CHICKEN-FLESH(+SKIN,W/O BONES) 21 COOKED-NFS	0.000	N	0.000341	0.043 0.00000057970	0.00090 0.000186	0.00000000000	0.00090 0.000186	0.00000000000	

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CHEMICAL INFORMATION	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
HCB from PCNB (3/9/93 run) Caswell #99HCB CAS No. A.I. CODE: CFR No. 180.	130 wk feeding- rat NOEL= 0.0800 mg/kg 0.00 ppm LEL= 0.0000 mg/kg 0.00 ppm ONCO: Group B2	hepatic centrilobular basophilic chromogenesis	PLD UF -->100 OPP RfD= 0.000800 EPA RfD= 0.000800 q*: 1.70000	Chronic feeding-2 sp. Reproductin-rat Developmental-3 sp. Note: studies listed on Rfd cover sheet have not been Tox reviewed	HED complete 05/05/88 EPA verified 05/26/88

COMMODITY CONTRIBUTION BY RAC FOR: U.S. POPULATION - 48 STATES

FOOD CODE	FOODNAME/FOODFORM	TOLERANCE (PPM)	TYPE	TMRC (UG/KG/DAY)	%RFD	TMRC ONCO RISK	ANTICIPATED RESIDUE (PPM)	ARC (UG/KG/DAY)	%RFD	ARC ONCO RISK
CROP GROUP TOTALS FOR POULTRY:										
50000DB	MILK-NON-FAT SOLIDS	0.000	N	0.0000391	0.049	0.00000066470	0.00090	0.000156	0.020	0.00000026520
	10 RAW-FRESH OR NFS				0.009	0.00000012070	0.00001	0.000057	0.007	0.0000009690
	21 COOKED-NFS						0.00001	0.000012	0.002	0.0000002040
	51 COOKED-CANNED						0.00001	0.000003	0.000	0.0000000510
50000FA	MILK-FAT SOLIDS	0.000	N	0.0000034	0.004	0.00000005780	0.00001	0.000027	0.003	0.00000004590
	10 RAW-FRESH OR NFS						0.00001	0.000007	0.001	0.00000001190
	21 COOKED-NFS						0.00001	0.000000	0.000	0.00000000000
	51 COOKED-CANNED						0.00001	0.000000	0.000	0.00000000000
50000SA	MILK SUGAR (LACTOSE)	0.000	N	0.0000000	0.000	0.00000000000	0.00001	0.000000	0.000	0.00000000000
	21 COOKED-NFS						0.00001	0.000000	0.000	0.00000000000
	51 COOKED-CANNED						0.00001	0.000000	0.000	0.00000000000
55014AA	EGGS-WHOLE	0.000	N	0.0000395	0.049	0.00000067150	0.00070	0.000003	0.000	0.00000000510
	10 RAW-FRESH OR NFS						0.00070	0.000218	0.027	0.00000037060
	21 COOKED-NFS						0.00070	0.000042	0.005	0.00000007140
	22 COOKED-FRESH-BAKED						0.00070	0.000017	0.002	0.00000002890
	23 COOKED-FRESH-BOILED						0.00070	0.000115	0.014	0.00000019550
	25 COOKED-FRESH-FRIED									
55014AB	EGGS-WHITE ONLY	0.000	N	0.0000006	0.001	0.00000001020	0.00070	0.000000	0.000	0.00000000000
	10 RAW-FRESH OR NFS						0.00070	0.000001	0.000	0.00000000170
	21 COOKED-NFS						0.00070	0.000001	0.000	0.00000000170
	22 COOKED-FRESH-BAKED						0.00070	0.000005	0.001	0.00000000850
	62 COOKED-FRESH OR FROZEN-BAKED						0.00070	0.000000	0.000	0.00000000000
	81 COOKED-FROZEN						0.00070	0.000001	0.000	0.00000000170
55014AC	EGGS-YOLK ONLY	0.000	N	0.0000005	0.001	0.00000000850	0.00070	0.000001	0.000	0.00000000170
	10 RAW-FRESH OR NFS						0.00070	0.000001	0.000	0.00000000170
	21 COOKED-NFS						0.00070	0.000002	0.000	0.00000000340
	25 COOKED-FRESH-FRIED						0.00070	0.000001	0.000	0.00000000170
	31 COOKED-FRESH OR CANNED									
CROP GROUP TOTALS FOR DAIRY PRODUCTS:										
		0.000511		0.000511	0.064	0.00000086870	0.000513	0.000513	0.064	0.00000087210

1.802 E-7

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CHEMICAL INFORMATION	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
HCB from PCNB (3/9/93 run) Caswell #99HCB CAS No. A.I. CODE: CFR No. 180.	130 wk feeding- rat NOEL= 0.0800 mg/kg 0.00 ppm LEL= 0.0000 mg/kg 0.00 ppm ONCO: Group B2	hepatic centrilobular basophilic chromogenesis	PLD UF -->100 OPP RfD= 0.000800 EPA RfD= 0.000800 q*: 1.70000	Chronic feeding-2 sp. Reproductin-rat Developmental-3 sp. Note: studies listed on Rfd cover sheet have not been Tox reviewed	HED complete 05/05/88 EPA verified 05/26/88

COMMODITY CONTRIBUTION BY RAC FOR: U.S. POPULATION - 48 STATES

FOOD CODE	FOODNAME/FOODFORM	TOLERANCE (PPM)	TYPE (UG/KG/DAY)	TMRC	%RFD	TMRC ONCO RISK	ARC RESIDUE (PPM)	ARC (UG/KG/DAY)	%RFD	ONCO RISK
			0.014087		1.761	0.00002394790	0.002008		0.251	0.00000341360

GRAND TOTALS FOR U.S. POPULATION - 48 STATES

TOLERANCE TYPE: N=NEW; A=PENDING; P=PUBLISHED  
 TMRC=THEORETICAL MAXIMUM RESIDUE CONTRIBUTION  
 ARC = ANTICIPATED RESIDUE CONTRIBUTION  
 RFD = REFERENCE DOSE

TABLE 3B

TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS

DATE: 05/16/93

PAGE: 1

CHEMICAL INFORMATION		STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
PCB from PCB (3/9/93 run) Caswell #99PCB CAS No. A.I. CODE: CFR No. 180.	130 wk feeding- rat NOEL= 0.0800 mg/kg 0.00 ppm LEL= 0.0000 mg/kg 0.00 ppm ONCO: Group B2	hepatic centrilobular basophilic chromogenes	PLD UF -->100 OPP RfD= 0.000800 EPA RfD= 0.000800 Q*: 1.70000	Chronic feeding-2 sp. Reproduction-fat Developmental-3 sp. Note: studies listed on RfD cover sheet have not been Tox reviewed	HED complete 05/05/88 EPA verified 05/26/88	

COMMODITY CONTRIBUTION BY RAC FOR: U.S. POPULATION - 48 STATES

FOOD CODE	FOODNAME/FOODFORM	TOLERANCE (PPM)	EFFECTS		REFERENCE DOSES		ANTICIPATED RESIDUE		ARC (UG/KG/DAY)	%RFD	ARC ONCO RISK
			TYPE (UG/KG/DAY)	TMRC	%RFD	TMRC ONCO RISK	(PPM)	ONCO RISK			
06002AA	BANANAS-UNSPECIFIED	0.010	A	0.000033	0.004	0.00000005610	0.01000	0.000033	0.004	0.00000005610	
	22 COOKED-FRESH-BAKED										
06002AB	BANANAS-FRESH	0.010	A	0.002240	0.280	0.00000380800	0.01000	0.001978	0.247	0.00000336260	
	10 RAW-FRESH OR NFS						0.01000	0.000054	0.007	0.0000009180	
	21 COOKED-NFS						0.01000	0.000209	0.026	0.00000035530	
	31 COOKED-FRESH OR CANNED										
06002DA	BANANAS-DRIED	0.010	A	0.000018	0.002	0.00000003060	0.01000	0.000005	0.001	0.00000008850	
	10 RAW-FRESH OR NFS						0.01000	0.000012	0.002	0.00000002040	
	21 COOKED-NFS										
06016AA	PLANTAINS	0.010	A	0.000016	0.002	0.00000002720	0.01000	0.000000	0.000	0.00000000000	
	21 COOKED-NFS						0.01000	0.000008	0.001	0.00000001360	
	23 COOKED-FRESH-BOILED						0.01000	0.000008	0.001	0.00000001360	
	25 COOKED-FRESH-FRIED						0.01000	0.000008	0.001	0.00000001360	
270030A	COTTONSEED-OIL	0.100	P	0.002041	0.255	0.00000346970	0.00025	0.000005	0.001	0.00000000850	
	18 PROCESSED OIL										
27003WA	COTTONSEED-MEAL	0.100	P	0.000012	0.002	0.00000002040	0.00025	0.000000	0.000	0.00000000000	
	18 PROCESSED OIL										
CROP GROUP TOTALS FOR UNSPECIFIED:											
				0.004360	0.545	0.00000741200		0.002312	0.289	0.00000393040	
14013AA	POTATOES(WHITE)-WHOLE	0.028	P	0.009522	1.190	0.00001618740	0.00028	0.000013	0.002	0.00000002210	
	10 RAW-FRESH OR NFS						0.00028	0.000042	0.005	0.00000007140	
	21 COOKED-NFS						0.00028	0.000040	0.005	0.00000006800	
14013AB	POTATOES(WHITE)-UNSPECIFIED	0.028	P	0.000002	0.000	0.00000000340	0.00028	0.000000	0.000	0.00000000000	
	22 COOKED-FRESH-BAKED										
14013AC	POTATOES(WHITE)-PEELED	0.028	P	0.021959	2.745	0.00003733030	0.00028	0.000020	0.003	0.00000003400	
	21 COOKED-NFS						0.00028	0.000012	0.002	0.00000002040	
	22 COOKED-FRESH-BAKED						0.00028	0.000121	0.015	0.00000002070	
	23 COOKED-FRESH-BOILED						0.00028	0.000066	0.008	0.00000011220	
	25 COOKED-FRESH-FRIED										
14013DA	POTATOES(WHITE)-DRY	0.028	P	0.000036	0.005	0.00000006120	0.00028	0.000000	0.000	0.00000000000	
	10 RAW-FRESH OR NFS						0.00028	0.000000	0.000	0.00000000000	
	31 COOKED-FRESH OR CANNED						0.00028	0.000000	0.000	0.00000000000	
14013HA	POTATOES(WHITE)-PEEL ONLY	0.028	P	0.000001	0.000	0.000000000170	0.00028	0.000000	0.000	0.00000000000	
	22 COOKED-FRESH-BAKED										
CROP GROUP TOTALS FOR ROOT AND TUBER VEGETABLES:											
				0.031520	3.940	0.00005358400		0.000314	0.039	0.00000053380	

\* DRES anomaly - in a 3/9/93 run using the same AR values for "potatoes-dry", a risk of 1.7E-9 resulted instead of zero; the overall risk from potatoes was 0.00000053550. These higher F's were used in the write-up of these analyses.

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poultry-fat AR @ 0.0002 ppm

CHEMICAL INFORMATION		STUDY TYPE		EFFECTS		REFERENCE DOSES		DATA GAPS/COMMENTS		STATUS	
PCB from PCB (3/9/93 run) Caswell #99PCB CAS No. A.I. CODE: CFR No. 180.		130 wk feeding- rat NOEL= 0.0800 mg/kg 0.00 ppm LEL= 0.0000 mg/kg 0.00 ppm ONCO: Group B2		hepatic centrilobular basophilic chromogenesis		PLD UF -->100 OPP RfD= 0.000800 EPA RfD= 0.000800 q*: 1.70000		Chronic feeding-2 sp. Reproduction-rat Developmental-3 sp. Note: studies listed on RfD cover sheet have not been Tox reviewed		HED complete 05/05/88 EPA verified 05/26/88	

COMMODITY CONTRIBUTION BY RAC FOR: U.S. POPULATION - 48 STATES

FOOD CODE	FOODNAME/FOODFORM	TOLERANCE (PPM)	EFFECTS TYPE	TMRC (UG/KG/DAY)	%RFD	TMRC ONCO_RISK	ANTICIPATED		ARC (UG/KG/DAY)	%RFD	ARC ONCO RISK
							RESIDUE (PPM)	ARC			
14007AA	GARLIC	0.028	P	0.000021	0.003	0.00000003570	0.00280	0.000000	0.000002	0.000	0.000000000000
	10 RAW-FRESH OR NFS						0.00280	0.000001		0.000	0.00000000170
	21 COOKED-NFS						0.00280	0.000001		0.000	0.00000000170
	32 COOKED-FRESH OR CANNED-BAKED										
CROP GROUP TOTALS FOR BULB VEGETABLES:											
		0.000021		0.000021	0.003	0.00000003570	0.00002	0.000000	0.000002	0.000	0.00000000340
13005AA	BROCCOLI	0.001	P	0.000049	0.006	0.00000008330	0.00002	0.000000	0.000000	0.000	0.000000000000
	21 COOKED-NFS						0.00002	0.000001		0.000	0.00000000170
	31 COOKED-FRESH OR CANNED						0.00002	0.000000		0.000	0.000000000000
	63 COOKED-FRESH OR FROZEN-BOILED										
13006AA	BRUSSEL SPROUTS	0.001	P	0.000007	0.001	0.00000001190	0.00002	0.000000	0.000000	0.000	0.000000000000
	21 COOKED-NFS						0.00002	0.000000		0.000	0.000000000000
	23 COOKED-FRESH-BOILED										
13007AA	CABBAGE-GREEN AND RED	0.001	P	0.000094	0.012	0.00000015980	0.00002	0.000001	0.000000	0.000	0.00000000170
	10 RAW-FRESH OR NFS						0.00002	0.000000		0.000	0.000000000000
	11 RAW-FRESH-PICKLED,CORNED,OR CURED						0.00002	0.000001		0.000	0.00000000170
	21 COOKED-NFS										
13008AA	CAULIFLOWER	0.001	P	0.000016	0.002	0.00000002720	0.00002	0.000000	0.000000	0.000	0.000000000000
	10 RAW-FRESH OR NFS						0.00002	0.000000		0.000	0.000000000000
	21 COOKED-NFS										
13009AA	COLLARDS	0.005	P	0.000094	0.012	0.00000015980	0.00010	0.000000	0.000000	0.000	0.000000000000
	51 COOKED-CANNED						0.00010	0.000002		0.000	0.00000000340
	63 COOKED-FRESH OR FROZEN-BOILED										
13010AA	CABBAGE-CHINESE/CELERY, INC. BOK CHOY	0.001	P	0.000005	0.001	0.00000000850	0.00002	0.000000	0.000000	0.000	0.000000000000
	10 RAW-FRESH OR NFS						0.00002	0.000000		0.000	0.000000000000
	21 COOKED-NFS										
13011AA	KALE	0.005	P	0.000008	0.001	0.00000001360	0.00010	0.000000	0.000000	0.000	0.000000000000
	63 COOKED-FRESH OR FROZEN-BOILED										
13021AA	MUSTARD GREENS	0.005	P	0.000073	0.009	0.00000012410	0.00010	0.000000	0.000000	0.000	0.000000000000
	21 COOKED-NFS						0.00010	0.000001		0.000	0.00000000170
	63 COOKED-FRESH OR FROZEN-BOILED										
CROP GROUP TOTALS FOR BRASSICA (COLE) LEAFY VEGETABLES:											
		0.000346		0.000346	0.043	0.00000058820	0.00006	0.000000	0.000006	0.001	0.00000001020

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TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS

CHEMICAL INFORMATION		STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
PCB from PCNB (3/9/93 run)	130 wk feeding- rat	hepatic centrilobular	PLD UF -->100	Chronic feeding-2 sp.	HED complete 05/05/88	
Caswell #99PCB	NOEL= 0.0800 mg/kg	basophilic chromogenesis	OPP RFD= 0.000800	Reproduction-rat	EPA verified 05/26/88	
CAS No.	0.00 ppm		EPA RFD= 0.000800	Developmental-3 sp.		
A.I. CODE:	LEL= 0.0000 mg/kg			Note: studies listed on		
CFR No. 180.	0.00 ppm			Rfd cover sheet have not		
	ONCO: Group B2			been Tox reviewed		

COMMODITY CONTRIBUTION BY RAC FOR: U.S. POPULATION - 48 STATES

FOOD CODE	FOODNAME/FOODFORM	TOLERANCE (PPM)	EFFECTS		REFERENCE DOSES		ANTICIPATED		ARC	ONCO RISK
			TYPE (UG/KG/DAY)	TMRC	%RFD	TMRC	RESIDUE (PPM)	(UG/KG/DAY)		
15001AA	BEANS-DRY-GREAT NORTHERN 00 NOT SPECIFIED (NO CONSUMPTION)	0.002	P	0.000000	0.000	0.000000000000	0.00013	0.000000	0.000	0.000000000000
15001AB	BEANS-DRY-KIDNEY 21 COOKED-NFS	0.002	P	0.000034	0.004	0.00000005780	0.00013	0.000001	0.000	0.00000000170
15001AC	BEANS-DRY-LIMA 31 COOKED-FRESH OR CANNED	0.002	P	0.000020	0.003	0.00000003400	0.00013	0.000001	0.000	0.000000000000
15001AD	BEANS-DRY-NAVY (PEA) 21 COOKED-NFS	0.002	P	0.000094	0.012	0.00000015980	0.00013	0.000001	0.000	0.00000000170
15001AE	BEANS-DRY-OTHER 31 COOKED-FRESH OR CANNED	0.002	P	0.000100	0.013	0.00000017000	0.00013	0.000004	0.001	0.00000000680
15001AF	BEANS-DRY-PINTO 21 COOKED-NFS	0.002	P	0.000091	0.011	0.00000015470	0.00013	0.000002	0.000	0.00000000340
15002AA	BEANS-SUCCULENT-LIMA 10 RAW-FRESH OR NFS	0.002	P	0.000064	0.008	0.00000010880	0.00013	0.000000	0.000	0.00000000000
15003AA	BEANS-SUCCULENT-GREEN 21 COOKED-NFS	0.002	P	0.000500	0.063	0.00000085000	0.00013	0.000003	0.000	0.00000000510
15003AB	BEANS-SUCCULENT-OTHER 10 RAW-FRESH OR NFS	0.002	P	0.000066	0.008	0.00000011220	0.00013	0.000001	0.000	0.00000000170
15003AC	BEANS-SUCCULENT-YELLOW,WAX 21 COOKED-NFS	0.002	P	0.000014	0.002	0.00000002380	0.00013	0.000001	0.000	0.00000000170
15006AA	PEANUTS-WHOLE 10 RAW-FRESH OR NFS	0.026	P	0.001809	0.226	0.00000307530	0.00013	0.000001	0.000	0.00000000170
15013AA	MUNG BEANS (SPROUTS) 10 RAW-FRESH OR NFS	0.002	P	0.000017	0.002	0.00000002890	0.00013	0.000000	0.000	0.00000000000
15022AA	BEANS-DRY-BROADBEANS(MATURE SEED) 00 NOT SPECIFIED (NO CONSUMPTION)	0.002	P	0.000000	0.000	0.000000000000	0.00013	0.000001	0.000	0.00000000170
15022AB	BEANS-SUCCULENT-BROADBEANS(IMMAT. SEED) 00 NOT SPECIFIED (NO CONSUMPTION)	0.002	P	0.000000	0.000	0.000000000000	0.00013	0.000000	0.000	0.00000000000
15023AA	BEANS-DRY-PIGEON BEANS 21 COOKED-NFS	0.002	P	0.000000	0.000	0.000000000000	0.00013	0.000000	0.000	0.00000000000
15027AA	BEANS-UNSPECIFIED 21 COOKED-NFS	0.002	P	0.000013	0.002	0.00000002210	0.00013	0.000001	0.000	0.00000000170

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TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS

CHEMICAL INFORMATION		STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
PCB from PCNB (3/9/93 run) Caswell #99PCB CAS No. A.I. CODE: CFR No. 180.	130 wk feeding- rat NOEL= 0.0800 mg/kg 0.00 ppm LEL= 0.0000 mg/kg 0.00 ppm ONCO: Group B2	hepatic centrilobular basophilic chromogenesis	PLD UF -->100 Chronic feeding-2 sp. Reproduction-rat Developmental-3 sp. Note: studies listed on Rfd cover sheet have not been Tox reviewed	HED complete 05/05/88 EPA verified 05/26/88		

COMMODITY CONTRIBUTION BY RAC FOR: U.S. POPULATION - 48 STATES

FOOD CODE	FOODNAME/FOODFORM	TOLERANCE (PPM)	EFFECTS		REFERENCE DOSES		ANTICIPATED		ARC (UG/KG/DAY)	%RFD	ARC	ONCO RISK
			TYPE	TMRC (UG/KG/DAY)	%RFD	TMRC	RESIDUE (PPM)					
15030AA	BEANS-DRY-HYACINTH(MATURE SEEDS) 00 NOT SPECIFIED (NO CONSUMPTION)	0.002	P	0.000000	0.000	0.000000000000	0.00013	0.000000	0.000	0.000000000000	0.000000000000	
15030AB	BEANS-SUCCULENT-HYACINTH(YOUNG PODS) 00 NOT SPECIFIED (NO CONSUMPTION)	0.002	P	0.000000	0.000	0.000000000000	0.00013	0.000000	0.000	0.000000000000	0.000000000000	
15031AA	BEANS-DRY-BLACKEYE PEAS(COMPEAS) 21 COOKED-NFS	0.002	P	0.000006	0.001	0.00000001020	0.00013	0.000000	0.000	0.000000000000	0.000000000000	
15032AA	BEANS-DRY-GARBANZO(CHICK PEA) 21 COOKED-NFS	0.002	P	0.000001	0.000	0.000000000170	0.00013	0.000000	0.000	0.000000000000	0.000000000000	
270070A	PEANUTS-OIL 18 PROCESSED OIL	0.026	P	0.000136	0.017	0.00000023120	0.00013	0.000000	0.000	0.000000000000	0.000000000000	
CROP GROUP TOTALS FOR LEGUME VEGETABLES:												
11003AA	PEPPERS, SWEET, GARDEN 10 RAW-FRESH OR NFS	0.002	P	0.000054	0.007	0.00000009180	0.00025	0.000002	0.000	0.00000000340	0.00000000340	
11003AB	CHILI PEPPERS 00 NOT SPECIFIED (NO CONSUMPTION)	0.002	P	0.000010	0.001	0.00000001700	0.00025	0.000004	0.001	0.00000000680	0.00000000680	
11003AD	PEPPERS-OTHER 10 RAW-FRESH OR NFS 21 COOKED-NFS 51 COOKED-CANNED	0.002	P	0.000011	0.001	0.00000001870	0.00025	0.000001	0.000	0.00000000170	0.00000000170	
11004AA	PIMIENTOS 10 RAW-FRESH OR NFS 21 COOKED-NFS 31 COOKED-FRESH OR CANNED	0.002	P	0.000005	0.001	0.00000000850	0.00025	0.000000	0.000	0.00000000000	0.00000000000	
11005AA	TOMATOES-WHOLE 10 RAW-FRESH OR NFS 21 COOKED-NFS 31 COOKED-FRESH OR CANNED	0.004	P	0.001968	0.246	0.000000334560	0.00040	0.000100	0.013	0.00000017000	0.00000017000	
11005JA	TOMATOES-JUICE 10 RAW-FRESH OR NFS 21 COOKED-NFS 31 COOKED-FRESH OR CANNED	0.004	P	0.000221	0.028	0.000000037570	0.00040	0.000077	0.010	0.00000013090	0.00000013090	
11005RA	TOMATOES-PUREE 10 RAW-FRESH OR NFS 21 COOKED-NFS 31 COOKED-FRESH OR CANNED	0.004	P	0.000681	0.085	0.00000115770	0.00040	0.000021	0.003	0.00000000170	0.00000000170	
11005TA	TOMATOES-PASTE 21 COOKED-NFS	0.004	P	0.000158	0.020	0.00000026860	0.00040	0.000011	0.001	0.000000001870	0.000000001870	

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CHEMICAL INFORMATION		STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
PCB from PCNB (3/9/93 run)	130 wk feeding- rat	hepatic centrilobular	PLD UF -->100	Chronic feeding-2 sp.	HED complete 05/05/88	
Caswell #99PCB	NOEL= 0.0800 mg/kg	basophilic chromogenesis	OPP RfD= 0.000800	Reproduction-rat	EPA verified 05/26/88	
CAS No.	0.00 ppm		EPA RfD= 0.000800	Developmental-3 sp.		
A.I. CODE:	LEL= 0.0000 mg/kg		Q*: 1.70000	Note: studies listed on RfD cover sheet have not been Tox reviewed		
CFR No. 180.	ONCO: Group B2					

COMMODITY CONTRIBUTION BY RAC FOR: U.S. POPULATION - 48 STATES

FOOD CODE	FOODNAME/FOODFORM	TOLERANCE (PPM)	EFFECTS TYPE	TMRC (UG/KG/DAY)	%RFD	TMRC ONCO RISK	ANTICIPATED		
							RESIDUE (PPM)	ARC (UG/KG/DAY)	ARC ONCO RISK
11005UA	22 COOKED-FRESH-BAKED 31 COOKED-FRESH OR CANNED TOMATOES-CATSUP 21 COOKED-NFS	0.004	P	0.000168	0.021	0.00000028560	0.00040	0.000002	0.0000000340
CROP GROUP TOTALS FOR FRUITING VEGETABLES (EXCL. CUCURBITS):									
		0.002	P	0.000006	0.001	0.0000001020	0.00040	0.000003	0.0000000510
08048DA	PAPRIKA	0.002	P	0.000006	0.001	0.0000001020	0.00040	0.000003	0.00000002890
CROP GROUP TOTALS FOR HERBS AND SPICES:									
		0.000	N	0.000001	0.000	0.0000000170	0.00003	0.000000	0.00000000000
53001BA	BEEF-MEAT BYPRODUCTS 21 COOKED-NFS	0.000	N	0.000001	0.000	0.0000000170	0.00003	0.000000	0.00000000000
53001BB	BEEF(ORGAN MEATS)-OTHER 21 COOKED-NFS 51 COOKED-CANNED	0.000	N	0.000000	0.000	0.00000000000	0.00001	0.000000	0.00000000000
53001DA	BEEF-DRIED 21 COOKED-NFS	0.000	N	0.000000	0.000	0.00000000000	0.00003	0.000000	0.00000000000
53001FA	BEEF(BONELESS)-FAT (BEEF TALLOW) 10 RAW-FRESH OR NFS 21 COOKED-NFS	0.000	N	0.000011	0.001	0.00000001870	0.00003	0.000000	0.00000000000
53001KA	BEEF(ORGAN MEATS)-KIDNEY 21 COOKED-NFS	0.000	N	0.000000	0.000	0.00000000000	0.00001	0.000000	0.00000000000
53001LA	BEEF(ORGAN MEATS)-LIVER 25 COOKED-FRESH-FRIED 31 COOKED-FRESH OR CANNED	0.000	N	0.000000	0.000	0.00000000000	0.00001	0.000000	0.00000000000
53001MA	BEEF(BONELESS)-LEAN (W/O REMOVEABLE FAT) 10 RAW-FRESH OR NFS 21 COOKED-NFS	0.000	N	0.000035	0.004	0.00000005950	0.00003	0.000000	0.00000000000
53002BA	GOAT-MEAT BYPRODUCTS 00 NOT SPECIFIED (NO CONSUMPTION)	0.000	N	0.000000	0.000	0.00000000000	0.00003	0.000000	0.00000000000
53002BB	GOAT(ORGAN MEATS)-OTHER 00 NOT SPECIFIED (NO CONSUMPTION)	0.000	N	0.000000	0.000	0.00000000000	0.00001	0.000000	0.00000000000

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TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS

CHEMICAL INFORMATION	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
PCB from PCB (3/9/93 run) Caswell #99PCB CAS No. A.I. CODE: CFR No. 180.	130 wk feeding- rat NOEL= 0.0800 mg/kg 0.00 ppm LEL= 0.0000 mg/kg 0.00 ppm ONCO: Group B2	hepatic centrilobular basophilic chromogenesis	PLD UF -->100 OPP RfD= 0.000800 EPA RfD= 0.000800 q*: 1.70000	Chronic feeding-2 sp. Reproduction-rat Developmental-3 sp. Note: studies listed on RfD cover sheet have not been Tox reviewed	HED complete 05/05/88 EPA verified 05/26/88

COMMODITY CONTRIBUTION BY RAC FOR: U.S. POPULATION - 48 STATES

FOOD CODE	FOODNAME/FOODFORM	TOLERANCE (PPM)	EFFECTS TYPE	TMRC (UG/KG/DAY)	%RFD	TMRC ONCO RISK	ANTICIPATED			
							RESIDUE (PPM)	ARC (UG/KG/DAY)	%RFD	ARC ONCO RISK
53002FA	GOAT(BONELESS)-FAT 23 COOKED-FRESH-BOILED	0.000	N	0.000000	0.000	0.000000000000	0.00003	0.000000	0.000	0.000000000000
53002KA	25 COOKED-FRESH-FRIED GOAT(ORGAN MEATS)-KIDNEY	0.000	N	0.000000	0.000	0.000000000000	0.00003	0.000000	0.000	0.000000000000
53002LA	00 NOT SPECIFIED (NO CONSUMPTION) GOAT(ORGAN MEATS)-LIVER	0.000	N	0.000000	0.000	0.000000000000	0.00001	0.000000	0.000	0.000000000000
53002MA	00 NOT SPECIFIED (NO CONSUMPTION) GOAT(BONELESS)-LEAN (W/O REMOVEABLE FAT)	0.000	N	0.000000	0.000	0.000000000000	0.00001	0.000000	0.000	0.000000000000
53003AA	23 COOKED-FRESH-BOILED HORSE	0.000	N	0.000000	0.000	0.000000000000	0.00003	0.000000	0.000	0.000000000000
53005BA	00 NOT SPECIFIED (NO CONSUMPTION) SHEEP-MEAT BYPRODUCTS	0.000	N	0.000000	0.000	0.000000000000	0.00003	0.000000	0.000	0.000000000000
53005BB	21 COOKED-NFS SHEEP(ORGAN MEATS)-OTHER	0.000	N	0.000000	0.000	0.000000000000	0.00001	0.000000	0.000	0.000000000000
53005FA	21 COOKED-NFS SHEEP(BONELESS)-FAT	0.000	N	0.000000	0.000	0.000000000000	0.00003	0.000000	0.000	0.000000000000
53005KA	21 COOKED-NFS SHEEP(ORGAN MEATS)-KIDNEY	0.000	N	0.000000	0.000	0.000000000000	0.00001	0.000000	0.000	0.000000000000
53005LA	21 COOKED-NFS SHEEP(ORGAN MEATS)-LIVER	0.000	N	0.000000	0.000	0.000000000000	0.00001	0.000000	0.000	0.000000000000
53005MA	00 NOT SPECIFIED (NO CONSUMPTION) SHEEP(BONELESS)-LEAN (W/O REMOVEABLE FAT)	0.000	N	0.000000	0.000	0.000000000000	0.00003	0.000000	0.000	0.000000000000
53006BA	21 COOKED-NFS PORK-MEAT BYPRODUCTS	0.000	N	0.000001	0.000	0.000000000170	0.00003	0.000001	0.000	0.00000000170
53006BB	21 COOKED-NFS PORK(ORGAN MEATS)-OTHER	0.000	N	0.000000	0.000	0.000000000000	0.00001	0.000000	0.000	0.000000000000
53006FA	21 COOKED-NFS PORK(BONELESS)-FAT (INCLUDING LARD)	0.000	N	0.000006	0.001	0.00000001020	0.00003	0.000000	0.000	0.000000000000
53006KA	10 RAW-FRESH OR NFS PORK(ORGAN MEATS)-KIDNEY	0.000	N	0.000000	0.000	0.000000000000	0.00003	0.000000	0.000	0.000000000000
53006LA	21 COOKED-NFS PORK(ORGAN MEATS)-LIVER	0.000	N	0.000000	0.000	0.000000000000	0.00003	0.000000	0.000	0.000000000000
	25 COOKED-FRESH-FRIED	0.000	N	0.000000	0.000	0.000000000000	0.00003	0.000000	0.000	0.000000000000

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TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS

CHEMICAL INFORMATION		STUDY TYPE		EFFECTS		REFERENCE DOSES		DATA GAPS/COMMENTS		STATUS	
PCB from PCNB (3/9/93 run) Caswell #99PCB CAS No. A.I. CODE: CFR No. 180.		130 wk feeding- rat NOEL= 0.0800 mg/kg 0.00 ppm LEL= 0.0000 mg/kg 0.00 ppm ONCO: Group B2		hepatic centrilobular basophilic chromogenesis		PLD UF -->100 OPP RfD= 0.000800 EPA RfD= 0.000800 q*: 1.70000		Chronic feeding-2 sp. Reproduction-rat Developmental-3 sp. Note: studies listed on RfD cover sheet have not been Tox reviewed		HED complete 05/05/88 EPA verified 05/26/88	

COMMODITY CONTRIBUTION BY RAC FOR: U.S. POPULATION - 48 STATES

FOOD CODE	FOODNAME/FOODFORM	TOLERANCE (PPM)	EFFECTS TYPE	TMRC (UG/KG/DAY)	%RFD	TMRC ONCO RISK	ANTICIPATED RESIDUE (PPM)	ARC (UG/KG/DAY)	%RFD	ARC ONCO RISK
53006MA	PORK(BONELESS)-LEAN (W/O REMOVEABLE FAT) 21 COOKED-NFS 25 COOKED-FRESH-FRIED 26 COOKED-FRESH-PICKLED,CORNEDED,OR CURED	0.000	N	0.000012	0.002	0.00000002040	0.00003 0.00003 0.00003	0.000005 0.000001 0.000005	0.001 0.000 0.001	0.00000000850 0.00000000170 0.00000000850
CROP GROUP TOTALS FOR RED MEAT:										
55008BA	TURKEY-BYPRODUCTS 21 COOKED-NFS 26 COOKED-FRESH-PICKLED,CORNEDED,OR CURED	0.000	N	0.000000	0.000	0.000000000000	0.00020 0.00020	0.000000 0.000000	0.000 0.000	0.00000000000 0.00000000000
55008LA	TURKEY-GIBLETS (LIVER) 21 COOKED-NFS	0.000	N	0.000000	0.000	0.000000000000	0.00001 0.00001	0.000000 0.000000	0.000 0.000	0.00000000000 0.00000000000
55008MA	TURKEY-FRESH-FRIED 25 COOKED-FRESH(W/O SKIN, W/O BONES)	0.000	N	0.000000	0.000	0.000000000000	0.00001 0.00001	0.000000 0.000000	0.000 0.000	0.00000000000 0.00000000000
55008MB	TURKEY-FRESH-FRIED 21 COOKED-NFS 62 COOKED-FRESH OR CANNED 25 COOKED-FRESH(+SKIN,W/O BONES)	0.000	N	0.000010	0.001	0.00000001700	0.00020 0.00020	0.000009 0.000001	0.001 0.000	0.00000001530 0.00000000170
55008MC	TURKEY-UNSPECIFIED 21 COOKED-NFS	0.000	N	0.000000	0.000	0.000000000000	0.00020	0.000000	0.000	0.00000000000
55013BA	POULTRY,OTHER-BYPRODUCTS 00 NOT SPECIFIED (NO CONSUMPTION)	0.000	N	0.000000	0.000	0.000000000000	0.00020	0.000000	0.000	0.00000000000
55013LA	POULTRY,OTHER-GIBLETS(LIVER) 25 COOKED-FRESH-FRIED	0.000	N	0.000000	0.000	0.000000000000	0.00001	0.000000	0.000	0.00000000000
55013MA	POULTRY,OTHER-FLESH (+SKIN,W/O BONES) 21 COOKED-NFS	0.000	N	0.000001	0.000	0.000000000170	0.00020	0.000001	0.000	0.00000000170
55015BA	CHICKEN-BYPRODUCTS 00 NOT SPECIFIED (NO CONSUMPTION)	0.000	N	0.000000	0.000	0.000000000000	0.00020	0.000000	0.000	0.00000000000
55015LA	CHICKEN-GIBLETS(LIVER) 21 COOKED-NFS 25 COOKED-FRESH-FRIED	0.000	N	0.000000	0.000	0.000000000000	0.00001 0.00001 0.00001	0.000000 0.000000 0.000000	0.000 0.000 0.000	0.00000000000 0.00000000000 0.00000000000
55015MA	CHICKEN-FLESH(W/O SKIN,W/O BONES) 21 COOKED-NFS 22 COOKED-FRESH-BAKED 25 COOKED-FRESH-FRIED 31 COOKED-FRESH OR CANNED 53 COOKED-CANNED-BOILED	0.000	N	0.000001	0.000	0.000000000170	0.00001 0.00001 0.00001 0.00001 0.00001	0.000000 0.000000 0.000000 0.000000 0.000000	0.000 0.000 0.000 0.000 0.000	0.00000000000 0.00000000000 0.00000000000 0.00000000000 0.00000000000
55015MB	CHICKEN-FLESH(+SKIN,W/O BONES) 21 COOKED-NFS	0.000	N	0.000076	0.010	0.00000012920	0.00020	0.000041	0.005	0.000000006970

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TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS

CHEMICAL INFORMATION	STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
PCB from PCNB (3/9/93 run) Caswell #99PCB CAS No. A.I. CODE: CFR No. 180.	130 wk feeding- fat NOEL= 0.0800 mg/kg 0.00 ppm LEL= 0.0000 mg/kg 0.00 ppm ONCO: Group B2	hepatic centrilobular basophilic chromogenesis	PLD UF -->100 OPP RfD= 0.000800 EPA RfD= 0.000800 Q*: 1.70000	Chronic feeding-2 sp. Reproduction-rat Developmental-3 sp. Note: studies listed on RfD cover sheet have not been Tox reviewed	HED complete 05/05/88 EPA verified 05/26/88

COMMODITY CONTRIBUTION BY RAC FOR: U.S. POPULATION - 48 STATES

FOOD CODE	FOODNAME/FOODFORM	TOLERANCE (PPM)	TYPE	TMRC (UG/KG/DAY)	TMRC ONCO RISK	ANTICIPATED RESIDUE (PPM)	ARC (UG/KG/DAY)	%RFD	ARC ONCO RISK
CROP GROUP TOTALS FOR POULTRY:									
	25 COOKED-FRESH-FRIED	0.000	N	0.000088	0.011	0.00000014950	0.000087	0.004	0.00000005950
CROP GROUP TOTALS FOR DAIRY PRODUCTS:									
50000DB	MILK-NON-FAT SOLIDS	0.000	N	0.000071	0.009	0.00000012070	0.000057	0.007	0.00000009690
	10 RAW-FRESH OR NFS						0.000012	0.002	0.00000002040
	21 COOKED-NFS						0.000003	0.000	0.00000000510
50000FA	MILK-FAT SOLIDS	0.000	N	0.000034	0.004	0.000000005780	0.000027	0.003	0.00000004590
	10 RAW-FRESH OR NFS						0.000007	0.001	0.00000001190
	21 COOKED-NFS						0.000000	0.000	0.00000000000
50000SA	MILK SUGAR (LACTOSE)	0.000	N	0.000000	0.000	0.000000000000	0.000000	0.000	0.00000000000
	21 COOKED-NFS						0.000000	0.000	0.00000000000
	51 COOKED-CANNED						0.000000	0.000	0.00000000000
55014AA	EGGS-WHOLE	0.000	N	0.000006	0.001	0.00000001020	0.000000	0.000	0.00000000000
	10 RAW-FRESH OR NFS						0.000000	0.000	0.00000000000
	21 COOKED-NFS						0.000003	0.000	0.00000000510
	22 COOKED-FRESH-BAKED						0.000001	0.000	0.00000000170
	23 COOKED-FRESH-BOILED						0.000001	0.000	0.00000000000
	25 COOKED-FRESH-FRIED						0.000002	0.000	0.00000000340
55014AB	EGGS-WHITE ONLY	0.000	N	0.000000	0.000	0.000000000000	0.000000	0.000	0.00000000000
	10 RAW-FRESH OR NFS						0.000000	0.000	0.00000000000
	21 COOKED-NFS						0.000000	0.000	0.00000000000
	22 COOKED-FRESH-BAKED						0.000000	0.000	0.00000000000
	62 COOKED-FRESH OR FROZEN-BAKED						0.000000	0.000	0.00000000000
	81 COOKED-FROZEN						0.000000	0.000	0.00000000000
55014AC	EGGS-YOLK ONLY	0.000	N	0.000000	0.000	0.000000000000	0.000000	0.000	0.00000000000
	10 RAW-FRESH OR NFS						0.000000	0.000	0.00000000000
	21 COOKED-NFS						0.000000	0.000	0.00000000000
	25 COOKED-FRESH-FRIED						0.000000	0.000	0.00000000000
	31 COOKED-FRESH OR CANNED						0.000000	0.000	0.00000000000
CROP GROUP TOTALS FOR DAIRY PRODUCTS:									
		0.000	N	0.000111	0.014	0.00000018870	0.000112	0.014	0.00000019040

1.8 E-7

1.02 E-8

poultry eggs 1.5810 E-7

(1.6)

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TOLERANCE ASSESSMENT SYSTEM ROUTINE CHRONIC ANALYSIS

CHEMICAL INFORMATION		STUDY TYPE	EFFECTS	REFERENCE DOSES	DATA GAPS/COMMENTS	STATUS
PCB from PCNB (3/9/93 run) Cashell #99PCB CAS No. A.I. CODE: CFR No. 180.		130 wk feeding- rat NOEL= 0.0800 mg/kg 0.00 ppm LEL= 0.0000 mg/kg 0.00 ppm ONCO: Group B2	hepatic centrilobular basophilic chromogenesis	PLD UF -->100 OPP Rfd= 0.000800 EPA Rfd= 0.000800 Q*: 1.70000	Chronic feeding-2 sp. Reproduction-rat Developmental-3 sp. Note: studies listed on Rfd cover sheet have not been Tox reviewed	HED complete 05/05/88 EPA verified 05/26/88

COMMODITY CONTRIBUTION BY RAC FOR: U.S. POPULATION - 48 STATES

FOOD CODE	FOODNAME/FOODFORM	TOLERANCE (PPM)	TMRC TYPE (UG/KG/DAY)	TMRC ONCO RISK	%RFD	ANTICIPATED RESIDUE (PPM)	ARC (UG/KG/DAY)	%RFD	ARC ONCO RISK
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GRAND TOTALS FOR U.S. POPULATION - 48 STATES

0.042759 5.345 0.00007269030

0.003373 0.422 0.00000573410

TOLERANCE TYPE: N=NEW; A=PENDING; P=PUBLISHED  
 TMRC=THEORETICAL MAXIMUM RESIDUE CONTRIBUTION  
 ARC = ANTICIPATED RESIDUE CONTRIBUTION  
 RFD = REFERENCE DOSE

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